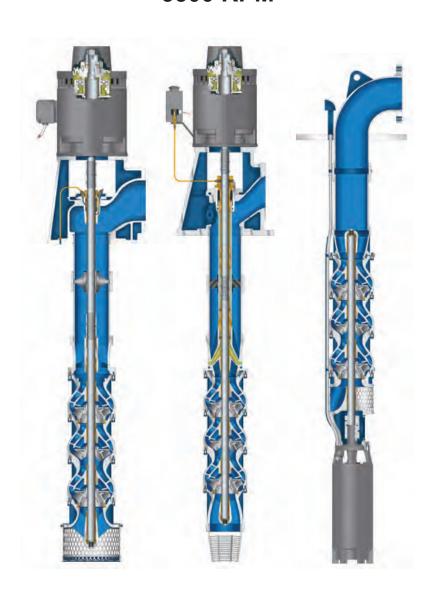


PERFORMANCE CURVES

LINESHAFT & SUBMERSIBLE

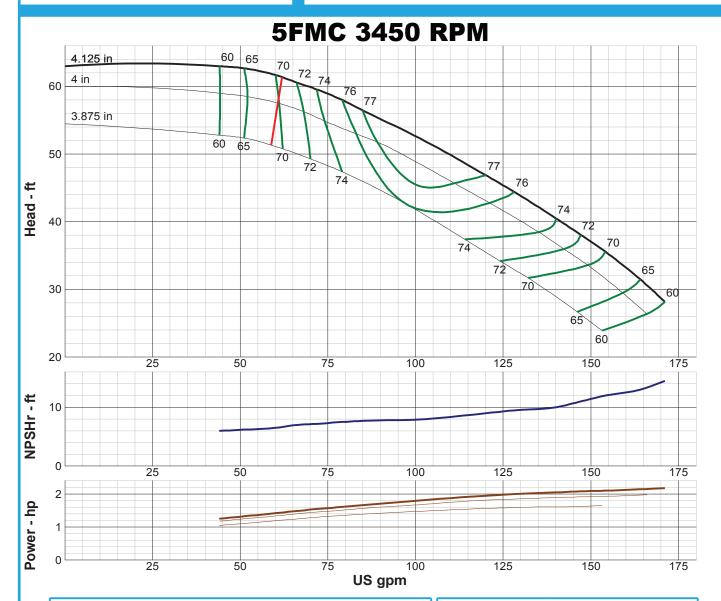
3500 RPM





SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER DATA IMPELLER NUMBER TYPE THRUST FACTOR EYE AREA WEIGHT IMPELLER DATA O189 ENCLOSED K=2.30 K=2.30 S.82 SQ. IN. 1.70 LB. TRIM ANGLE: 20° Minimum submergence above eye of bottom impeller: 10 IN.

EFFICIENCY CORRECTION						
NUMBER OF BOWLS:	1	2	3	4	5	
CHANGE AS FOLLOWS:	-4	-3	-2	-1	0	
CHANGE IN EFFICIENCY MAY	Y AFFECT	BOTH HE	EAD AND	HORSEPO	WER.	

PUMP MATERIAL EFFICIENCY CORRECTION						
	DUCTILE	BRONZE	NI-R	STAINLESS		
IMPELLER MATERIAL:	-1	0	-1	-4		
BOWL MATERIAL:	-1	-1	-1	-8		

THREADED BOWL DATA

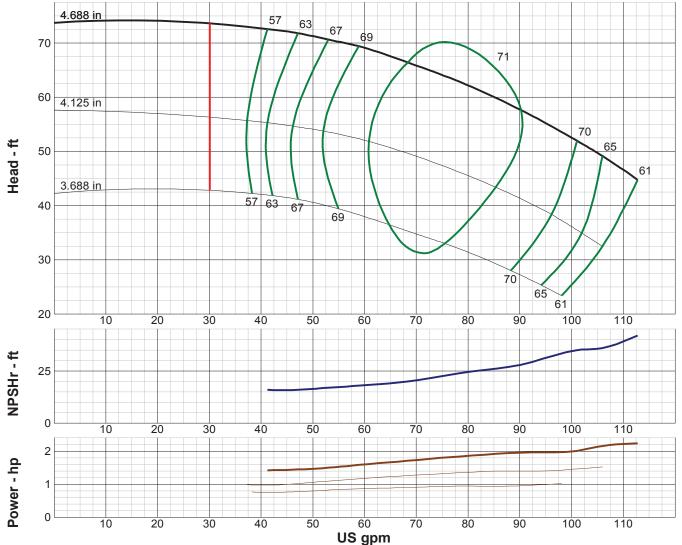
MAX. NO. STAGES ONE STAGE WEIGHT ADD STAGE WEIGHT STD. SHAFT DIA. DISCHARGE SIZE DISCHARGE CONNECTION SUCTION SIZE SUCTION CONNECTION MAX. SPHERE SIZE MAX. OPERATIONAL P.S.I. 28 DISCHARGE WEIGHT 12 LB. D.250 IN. D.250 IN. D.250 IN. THD - FLG SUCTION SIZE 4 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 0.375 IN. MAX. OPERATIONAL P.S.I. 360 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020





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IMPELLER NUMBER6404TYPEENCLOSEDTHRUST FACTORK=1.56EYE AREA2.41 SQ. IN.WEIGHT1.80 LB.

TRIM ANGLE: 0°

Minimum submergence above eye of bottom impeller: 10 IN.

NUMBER OF BOWLS: 1 2 3 4

NUMBER OF BOWLS: 1 2 3 4

CHANGE AS FOLLOWS: -4 -2 -1 0

CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

DUMP MATERIAL EFFICIENCY CORRECTION

PUMP MATERIAL EFFICIENCY CORRECTION						
	DUCTILE	BRONZE	NI-R	STAINLESS		
IMPELLER MATERIAL:	-2	0	-1	-6		
BOWL MATERIAL:	1	1	1	4		

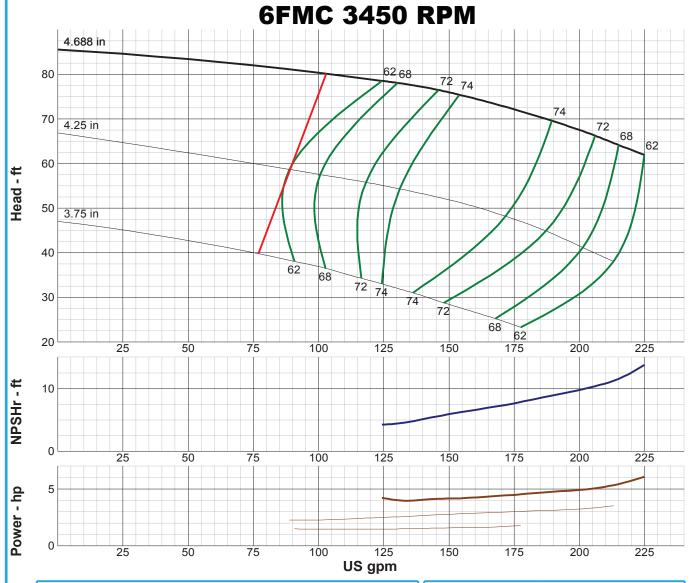
FLANGED BOWL DATA

BOWL NUMBER BOWL MAX. DIAMETER 5.875 IN. **BOWL MIN. DIAMETER** 5.563 IN. MAX. NO. STAGES 75 LB. ONE STAGE WEIGHT ADD STAGE WEIGHT 15 LB. STD. SHAFT DIA. 0.750 IN. 0.375 IN. STD. LATERAL DISCHARGE SIZE 4 IN. DISCHARGE CONNECTION THD SUCTION SIZE 4 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 0.125 IN. MAX. OPERATIONAL P.S.I. 360 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER DATA				
IMPELLER NUMBER TYPE THRUST FACTOR EYE AREA WEIGHT	6707 ENCLOSED K=2.24 3.20 SQ. IN. 2.15 LB.	TRIM ANGLE: 27° Minimum submergence above eye of bottom impeller: 12 IN.		

EFFICIENCY CORRECTION						
NUMBER OF BOWLS:	1	2	3	4		
CHANGE AS FOLLOWS:	-4	-2	-1	0		
CHANGE IN EFFICIENCY MAY	Y AFFECT	BOTH HE	EAD AND	HORSEPO	OWER.	

PUMP MATERIAL EFFICIENCY CORRECTION						
	DUCTILE	BRONZE	NI-R	STAINLESS		
IMPELLER MATERIAL:	-2	0	-1	-6		
BOWL MATERIAL:	-1	-1	-1	-4		

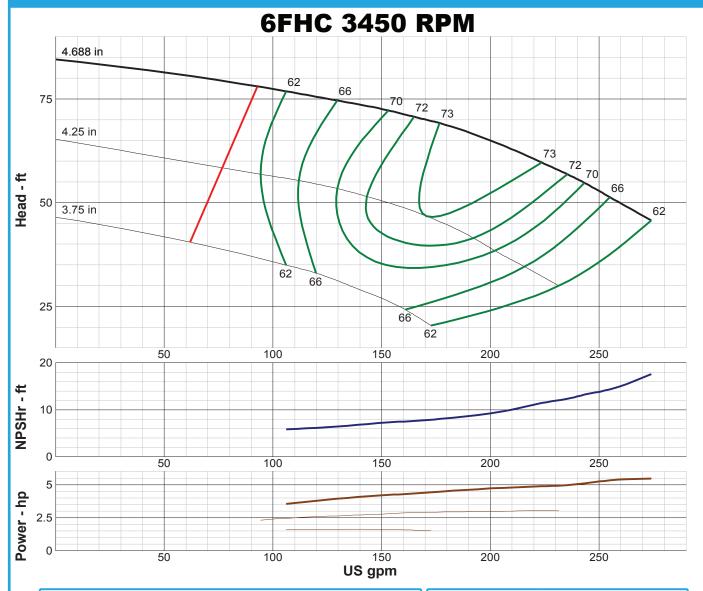
FLANGED BOWL DATA

BOWL NUMBER	6616
BOWL MAX. DIAMETER	5.813 IN.
BOWL MIN. DIAMETER	5.563 IN.
MAX. NO. STAGES	26
ONE STAGE WEIGHT	75 LB.
ADD STAGE WEIGHT	15 LB.
STD. SHAFT DIA.	1.000 IN.
STD. LATERAL	0.438 IN.
DISCHARGE SIZE	4 IN.
DISCHARGE CONNECTION	THD
SUCTION SIZE	4 IN.
SUCTION CONNECTION	THD
MAX. SPHERE SIZE	0.188 IN.
MAX. OPERATIONAL P.S.I.	360 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER DATA					
IMPELLER NUMBER TYPE THRUST FACTOR EYE AREA WEIGHT	6606 ENCLOSED K=2.24 3.65 SQ. IN. 2.38 LB.	TRIM ANGLE: 20° Minimum submergence above eye of bottom impeller: 12 IN.			
EEI	FICIENCY C	OPPECTION			

EFFICIENCY CORRECTION						
NUMBER OF BOWLS:	1	2	3	4		
CHANGE AS FOLLOWS:	-4	-2	-1	0		
CHANGE IN EFFICIENCY MAY	Y AFFECT	BOTH HE	AD AND	HORSEPO	WER.	

PUMP MATERIAL EFFICIENCY CORRECTION						
	DUCTILE	BRONZE	NI-R	STAINLESS		
IMPELLER MATERIAL:	-2	0	-1	-6		
BOWL MATERIAL:	-1	-1	-1	-4		

FLANGED BOWL DATA

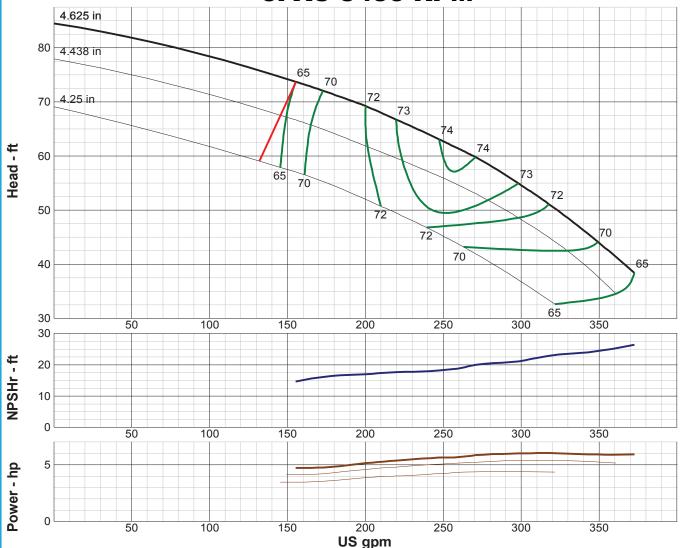
BOWL NUMBER BOWL MAX. DIAMETER 5.813 IN. **BOWL MIN. DIAMETER** 5.563 IN. MAX. NO. STAGES ONE STAGE WEIGHT 75 LB. ADD STAGE WEIGHT 15 LB. STD. SHAFT DIA. 1.000 IN. 0.375IN. STD. LATERAL DISCHARGE SIZE 4 IN. DISCHARGE CONNECTION THD SUCTION SIZE 4 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 0.188 IN. MAX. OPERATIONAL P.S.I. 360 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020





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IMPELLER NUMBER6909TYPEENCLOSEDTHRUST FACTORK=2.83EYE AREA4.01 SQ. IN.WEIGHT2.15 LB.

TRIM ANGLE: 30°

Minimum submergence above eye of bottom impeller: 20 IN.

EFFICIENCY CORRECTION

NUMBER OF BOWLS:	1	2	3	4	
CHANGE AS FOLLOWS:	-4	-2	-1	0	

CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-6
BOWL MATERIAL:	-1	-1	-1	-4

FLANGED BOWL DATA

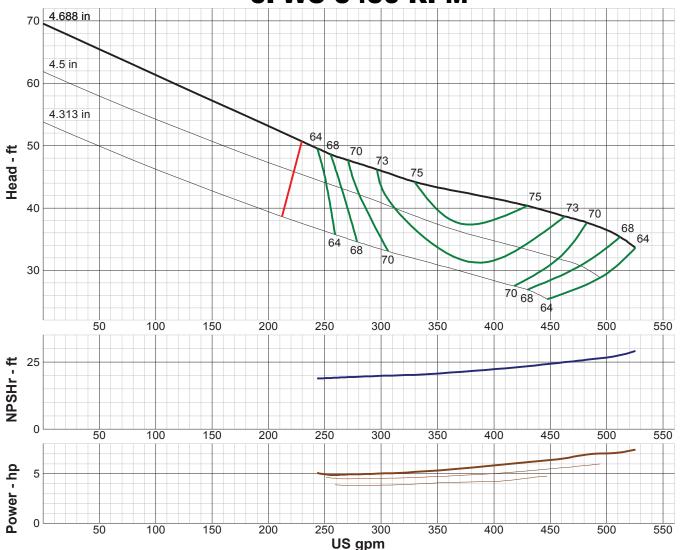
BOWL NUMBER BOWL MAX. DIAMETER 5.813 IN. **BOWL MIN. DIAMETER** 5.563 IN. MAX. NO. STAGES 75 LB. ONE STAGE WEIGHT ADD STAGE WEIGHT 15 LB. STD. SHAFT DIA. 1.000 IN. 0.625 IN. STD. LATERAL DISCHARGE SIZE 4 IN. DISCHARGE CONNECTION THD SUCTION SIZE 4 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 0.188 IN. MAX. OPERATIONAL P.S.I. 360 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020





IMPELLER DATA

TRIM ANGLE: 35°

Minimum submergence above eye of bottom impeller: 20 IN.

EFFICIENCY CORRECTION NUMBER OF BOWLS: 2 3 4 CHANGE AS FOLLOWS:

CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTION					
	DUCTILE	BRONZE	NI-R	STAINLESS	
IMPELLER MATERIAL:	-2	0	-1	-6	
BOWL MATERIAL:	-1	-1	-1	-4	

FLANGED BOWL DATA

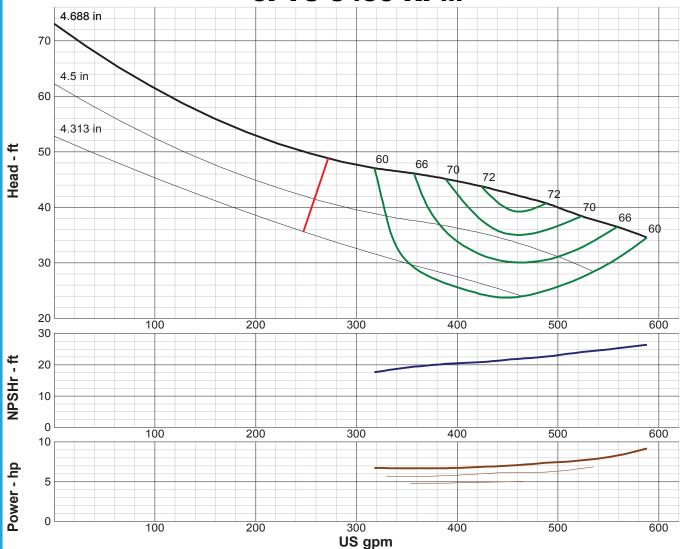
BOWL NUMBER 6818 **BOWL MAX. DIAMETER** 5.875 IN. **BOWL MIN. DIAMETER** 5.563 IN. MAX. NO. STAGES 75 LB. ONE STAGE WEIGHT ADD STAGE WEIGHT 15 LB. STD. SHAFT DIA. 1.000 IN. 0.438 IN. STD. LATERAL DISCHARGE SIZE 4 IN. DISCHARGE CONNECTION THD SUCTION SIZE 4 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 0.500 IN. MAX. OPERATIONAL P.S.I. 360 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020





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IMPELLER NUMBER6414TYPEENCLOSEDTHRUST FACTORK=4.10EYE AREA7.51 SQ. IN.WEIGHT2.35 LB.

TRIM ANGLE: 30°

Minimum submergence above eye of bottom impeller: 20 IN.

EFFICIENCY CORRECTION

NUMBER OF BOWLS:	1	2	3	4	
CHANGE AS FOLLOWS:	-4	-2	-1	0	

CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS	
IMPELLER MATERIAL:	-2	0	-1	-6	
BOWL MATERIAL:	-1	-1	-1	-4	

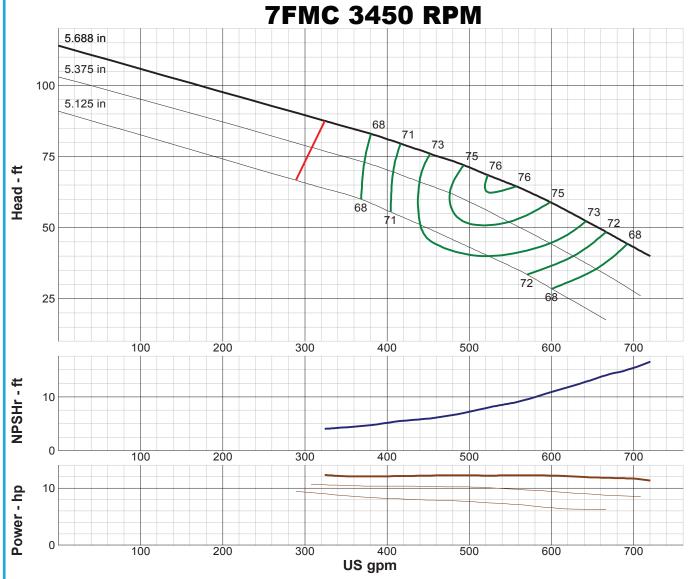
FLANGED BOWL DATA

BOWL NUMBER 6818 **BOWL MAX. DIAMETER** 5.875 IN. **BOWL MIN. DIAMETER** 5.563 IN. MAX. NO. STAGES 75 LB. ONE STAGE WEIGHT ADD STAGE WEIGHT 15 LB. STD. SHAFT DIA. 1.000 IN. 0.250 IN. STD. LATERAL DISCHARGE SIZE 4 IN. DISCHARGE CONNECTION THD SUCTION SIZE 4 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 0.500 IN. MAX. OPERATIONAL P.S.I. 360 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020



	IMPELLE	R DATA			
IMPELLER NUMBER TYPE THRUST FACTOR EYE AREA WEIGHT	7647 ENCLOSED K=4.5 11.3 SQ. IN. 5.0 LB.	TRIM ANGLE: 18° Minimum submergence above eye of bottom impeller: 18 IN.			

EFFICIENCY CORRECTION					
NUMBER OF BOWLS:	1	2	3		
CHANGE AS FOLLOWS: -2 -1 0					
CHANGE IN FEFICIENCY MAY	Y AFFFCT	BOTH HE	AD AND	HORSEPO)WFR

PUMP MATERIAL EFFICIENCY CORRECTION					
	DUCTILE	BRONZE	NI-R	STAINLESS	
IMPELLER MATERIAL:	-2	0	-1	-6	
BOWL MATERIAL:	-2	-2	-2	-3	

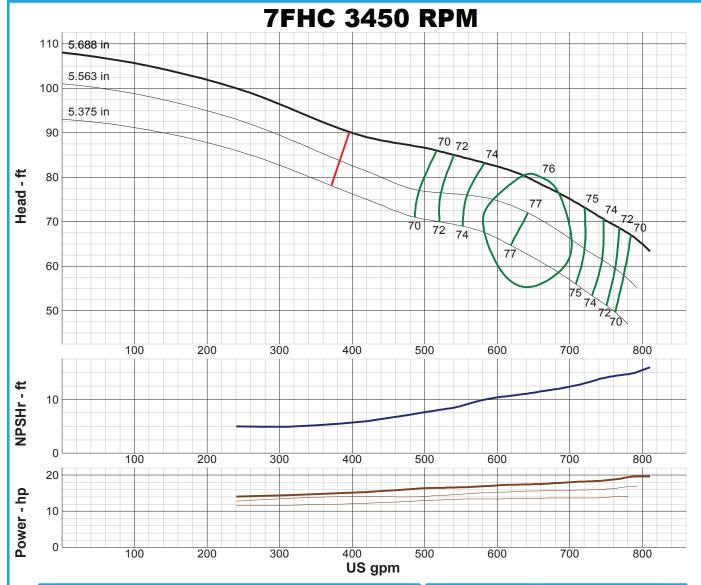
FLANGED BOWL DATA

BOWL NUMBER 6947 **BOWL MAX. DIAMETER** 7.313 IN. **BOWL MIN. DIAMETER** 7.125 IN. MAX. NO. STAGES ONE STAGE WEIGHT 102 LB. ADD STAGE WEIGHT 37 LB. STD. SHAFT DIA. 1.188 IN. STD. LATERAL 0.625 IN. DISCHARGE SIZE 5 - 6 IN. DISCHARGE CONNECTION THD SUCTION SIZE 5 - 6 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 0.750 IN. MAX. OPERATIONAL P.S.I. 695 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER NUMBER TYPE THRUST FACTOR EYE AREA WEIGHT TRIM ANGLE: 18' Minimum submergence above eye of bottom impeller: 18 IN. TRIM ANGLE: 18' Minimum submergence above eye of bottom impeller: 18 IN.	IMPELLER DATA					
	TYPE THRUST FACTOR EYE AREA	ENCLOSED K=4.56 11.3 SQ. IN.	Minimum submergence above			

EFFICIENCY CORRECTION						
NUMBER OF BOWLS:	1	2	3			
CHANGE AS FOLLOWS:	-2	-1	0			
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.						

PUMP MATERIAL EFFICIENCY CORRECTION						
	DUCTILE	BRONZE	NI-R	STAINLESS		
IMPELLER MATERIAL:	-2	0	-1	-6		
BOWL MATERIAL:	-2	-1	-2	-3		

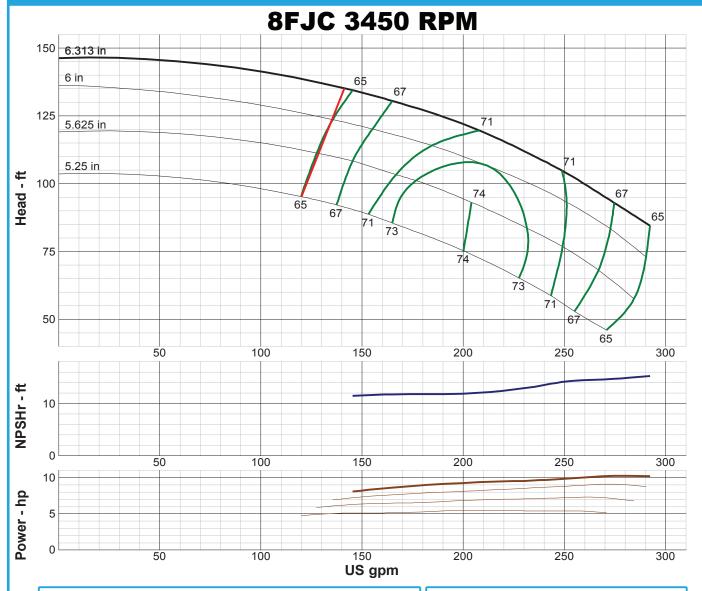
FLANGED BOWL DATA

BOWL NUMBER	6947
BOWL MAX. DIAMETER	7.313 IN.
BOWL MIN. DIAMETER	7.125 IN.
MAX. NO. STAGES	13
ONE STAGE WEIGHT	102 LB.
ADD STAGE WEIGHT	37 LB.
STD. SHAFT DIA.	1.188 IN.
STD. LATERAL	0.625 IN.
DISCHARGE SIZE	5 - 6 IN.
DISCHARGE CONNECTION	THD
SUCTION SIZE	5 - 6 IN.
SUCTION CONNECTION	THD
MAX. SPHERE SIZE	0.750 IN.
MAX. OPERATIONAL P.S.I.	692 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER	R DATA

IMPELLER NUMBER3628TYPEENCLOSEDTHRUST FACTORK=2.98EYE AREA3.65 SQ. IN.WEIGHT5.75 LB.

TRIM ANGLE: 0°

Minimum submergence above eye of bottom impeller: 18 IN.

NUMBER OF BOWLS: 1 2 3

CHANGE AS FOLLOWS: -4 -2 0 CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTIONDUCTILEBRONZENI-RSTAINLESSIMPELLER MATERIAL:-20-1-5BOWL MATERIAL:-2-2-2-4

FLANGED BOWL DATA

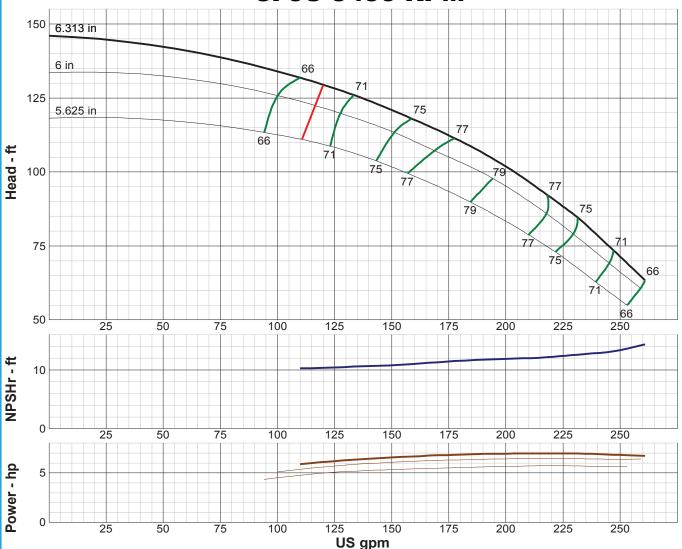
BOWL NUMBER 3629 **BOWL MAX. DIAMETER** 7.813 IN. **BOWL MIN. DIAMETER** 7.500 IN. MAX. NO. STAGES 130 LB. ONE STAGE WEIGHT 30 LB. ADD STAGE WEIGHT STD. SHAFT DIA. 1.000 IN. STD. LATERAL 0.438 IN. DISCHARGE SIZE 5 - 6 IN. DISCHARGE CONNECTION THD SUCTION SIZE 5 - 6 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 0.250 IN. MAX. OPERATIONAL P.S.I. 692 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020

8FJS 3450 RPM



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IMPELLER NUMBER3692TYPESEMI-OPENTHRUST FACTORK=3.52EYE AREA3.18 SQ. IN.WEIGHT3.55 LB.

TRIM ANGLE: 0°

Minimum submergence above eye of bottom impeller: 18 IN.

EFFICIENCY CORRECTION						
NUMBER OF BOWLS:	1	2	3	4		
CHANGE AS FOLLOWS:	-4	-2	0	0		

CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTION						
	DUCTILE	BRONZE	NI-R	STAINLESS		
IMPELLER MATERIAL:	-2	0	-1	-5		
BOWL MATERIAL:	-2	-2	-2	-4		

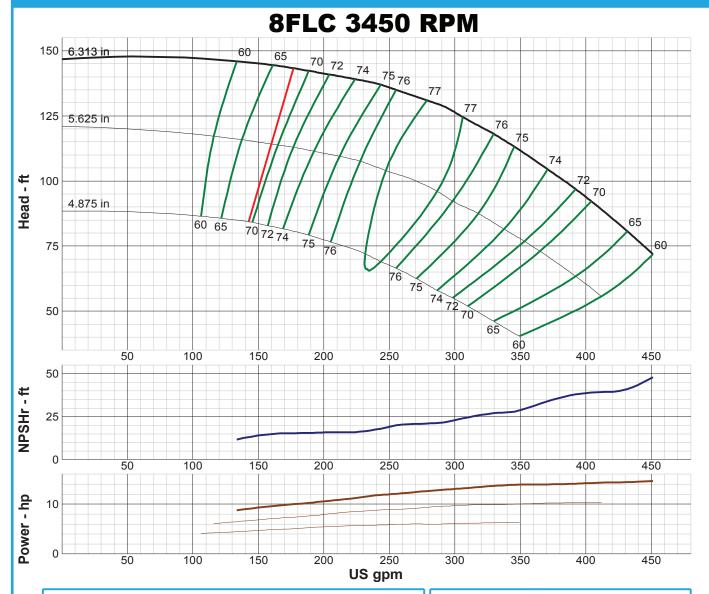
FLANGED BOWL DATA

BOWL NUMBER 3629 **BOWL MAX. DIAMETER** 7.813 IN. **BOWL MIN. DIAMETER** 7.500 IN. MAX. NO. STAGES ONE STAGE WEIGHT 130 LB. ADD STAGE WEIGHT 30 LB. STD. SHAFT DIA. 1.000 IN. STD. LATERAL 0.438 IN. DISCHARGE SIZE 5 - 6 IN. DISCHARGE CONNECTION THD SUCTION SIZE 5 - 6 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 0.250 IN. 692 (SPECIAL) MAX. OPERATIONAL P.S.I.



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER DATA							
IMPELLER NUMBER TYPE THRUST FACTOR EYE AREA WEIGHT	3630 ENCLOSED K=2.98 4.64 SQ. IN. 5.75 LB.	Minimum submergence above					

EFFICIENCY CORRECTION							
NUMBER OF BOWLS:	1	2	3				
CHANGE AS FOLLOWS:	-4	-2	0				
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.							

PUMP MATERIAL EFFICIENCY CORRECTION							
	DUCTILE	BRONZE	NI-R	STAINLESS			
IMPELLER MATERIAL:	-2	0	-1	-5			
BOWL MATERIAL:	-2	-2	-2	-4			

FLANGED BOWL DATA

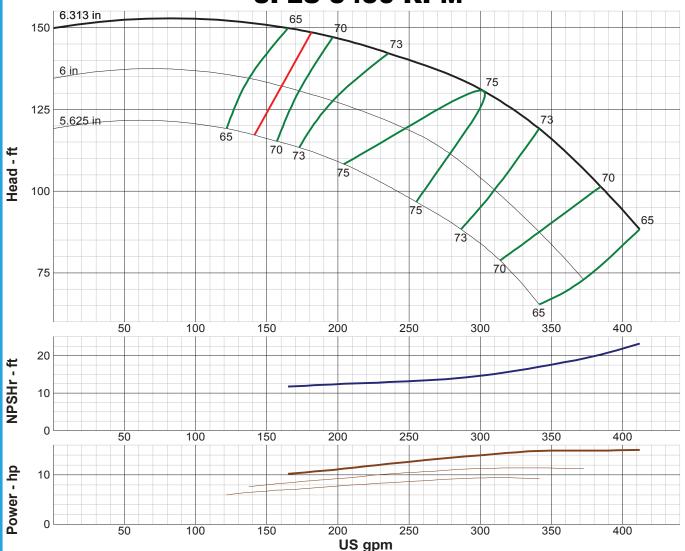
BOWL NUMBER 3629 **BOWL MAX. DIAMETER** 7.813 IN. BOWL MIN. DIAMETER 7.500 IN. MAX. NO. STAGES ONE STAGE WEIGHT 130 LB. ADD STAGE WEIGHT 30 LB. STD. SHAFT DIA. 1.000 IN. STD. LATERAL 0.438 IN. DISCHARGE SIZE 5 - 6 IN. DISCHARGE CONNECTION THD SUCTION SIZE 5 - 6 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 0.250 IN. 692 (SPECIAL) MAX. OPERATIONAL P.S.I.



SINGLE STAGE PERFORMANCE

APRIL 2020





IMPELLER DATA

IMPELLER NUMBER 3641
TYPE SEMI-OPEN
THRUST FACTOR K=3.34
EYE AREA 4.64 SQ. IN.
WEIGHT 4.25 LB.

TRIM ANGLE: 0°

Minimum submergence above eye of bottom impeller: 18 IN.

EFFICIENCY CORRECTION

NUMBER OF BOWLS:	1	2	3	4	
CHANGE AS FOLLOWS:	-4	-2	0	0	

CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTION

_				
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-5
BOWL MATERIAL:	-2	-2	-2	-4

FLANGED BOWL DATA

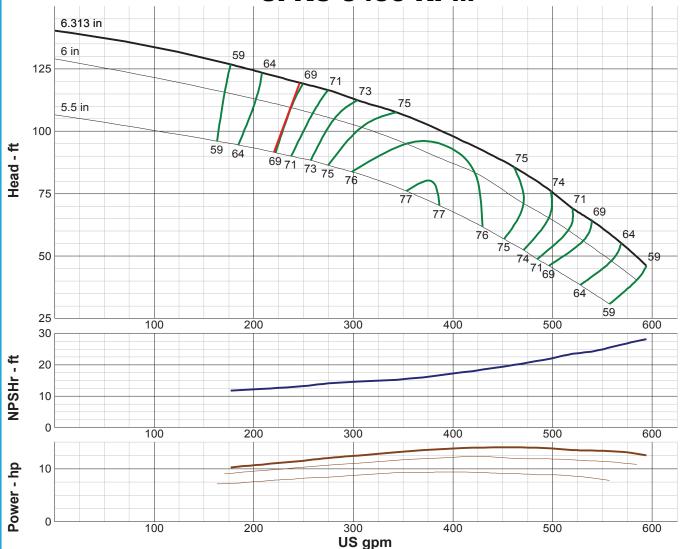
BOWL NUMBER 3629 **BOWL MAX. DIAMETER** 7.813 IN. **BOWL MIN. DIAMETER** 7.500 IN. MAX. NO. STAGES 130 LB. ONE STAGE WEIGHT ADD STAGE WEIGHT 30 LB. STD. SHAFT DIA. 1.000 IN. STD. LATERAL 0.438 IN. DISCHARGE SIZE 5 - 6 IN. DISCHARGE CONNECTION THD SUCTION SIZE 5 - 6 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 0.250 IN. MAX. OPERATIONAL P.S.I. 692 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020





IMPELLER DATA

IMPELLER NUMBER3680TYPEENCLOSEDTHRUST FACTORK=3.93EYE AREA5.72 SQ. IN.WEIGHT5.50 LB.

TRIM ANGLE: 18°

Minimum submergence above eye of bottom impeller: 18 IN.

EFFICIENCY CORRECTION

NUMBER OF BOWLS:	1	2	3	
CHANGE AS FOLLOWS:	-4	-2	0	

CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-5
BOWL MATERIAL:	-2	-2	-2	-4

FLANGED BOWL DATA

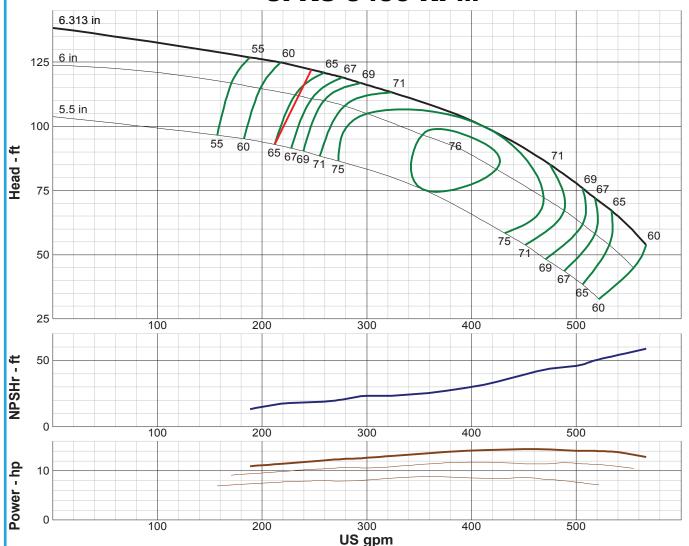
BOWL NUMBER 3591 **BOWL MAX. DIAMETER** 7.938 IN. **BOWL MIN. DIAMETER** 7.500 IN. MAX. NO. STAGES 130 LB. ONE STAGE WEIGHT 30 LB. ADD STAGE WEIGHT STD. SHAFT DIA. 1.000 IN. STD. LATERAL 0.438 IN. DISCHARGE SIZE 5 - 6 IN. DISCHARGE CONNECTION THD SUCTION SIZE 5 - 6 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 0.375 IN. MAX. OPERATIONAL P.S.I. 692 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020

8FKS 3450 RPM



IMPELLER DATA

IMPELLER NUMBER3693TYPESEMI-OPENTHRUST FACTORK=4.42EYE AREA6.60 SQ. IN.WEIGHT3.75 LB.

TRIM ANGLE: 18°

Minimum submergence above eye of bottom impeller: 20 IN.

EFFICIENCY CORRECTION

NUMBER OF BOWLS:	1	2	3	
CHANGE AS FOLLOWS:	-4	-2	0	

CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTION

_				
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-5
BOWL MATERIAL:	-2	-2	-2	-4

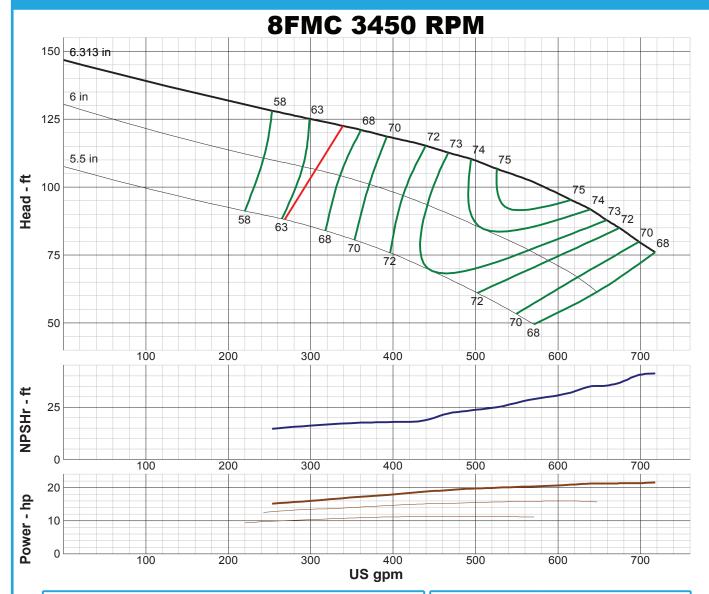
FLANGED BOWL DATA

BOWL NUMBER 3591 **BOWL MAX. DIAMETER** 7.938 IN. **BOWL MIN. DIAMETER** 7.500 IN. MAX. NO. STAGES ONE STAGE WEIGHT 130 LB. ADD STAGE WEIGHT 30 LB. STD. SHAFT DIA. 1.000 IN. STD. LATERAL 0.438 IN. DISCHARGE SIZE 5 - 6 IN. DISCHARGE CONNECTION THD SUCTION SIZE 5 - 6 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 0.375 IN. MAX. OPERATIONAL P.S.I. 692 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER DATA					
IMPELLER NUMBER TYPE THRUST FACTOR EYE AREA WEIGHT	3589 ENCLOSED K=3.93 6.50 SQ. IN. 5.00 LB.	Minimum submergence above			

EFFICIENCY CORRECTION					
NUMBER OF BOWLS:	1	2	3	4	
CHANGE AS FOLLOWS:	-4	-2	-1	0	
CHANGE IN EFFICIENCY MAY	Y AFFECT	BOTH HE	EAD AND	HORSEPO	WER.

PUMP MATERIAL EFFICIENCY CORRECTION				
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-5
BOWL MATERIAL:	-2	-2	-2	-4

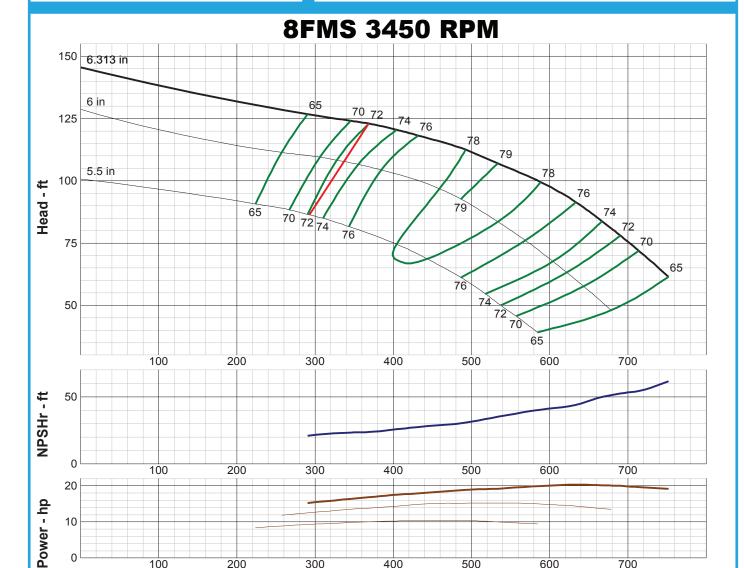
FLANGED BOWL DATA

BOWL NUMBER 3591 **BOWL MAX. DIAMETER** 7.938 IN. BOWL MIN. DIAMETER 7.500 IN. MAX. NO. STAGES 130 LB. ONE STAGE WEIGHT ADD STAGE WEIGHT 30 LB. STD. SHAFT DIA. 1.000 IN. STD. LATERAL 0.438 IN. DISCHARGE SIZE 5 - 6 IN. DISCHARGE CONNECTION THD SUCTION SIZE 5 - 6 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 0.375 IN. 692 (SPECIAL) MAX. OPERATIONAL P.S.I.



SINGLE STAGE PERFORMANCE

APRIL 2020



	IMPELLE	R DATA
IMPELLER NUMBER TYPE THRUST FACTOR EYE AREA WEIGHT	3590 SEMI-OPEN K=4.28 6.60 SQ. IN. 4.125 LB.	TRIM ANGLE: 27.5° Minimum submergence above eye of bottom impeller: 24 IN.

200

100

300

EFFICIENCY CORRECTION					
NUMBER OF BOWLS:	1	2	3	4	5
CHANGE AS FOLLOWS:	-4	-3	-2	-1	0
CHANGE IN EFFICIENCY MA	Y AFFECT	BOTH HE	AD AND	HORSEPO)WFR

PUMP MATERIAL EFFICIENCY CORRECTION				
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-5
BOWL MATERIAL:	-2	-2	-2	-4

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MGED	BUTT	

700

600

BOWL NUMBER	3591
BOWL MAX. DIAMETER	7.938 IN.
BOWL MIN. DIAMETER	7.500 IN.
MAX. NO. STAGES	7
ONE STAGE WEIGHT	130 LB.
ADD STAGE WEIGHT	30 LB.
STD. SHAFT DIA.	1.000 IN.
STD. LATERAL	0.438 IN.
DISCHARGE SIZE	5 - 6 IN.
DISCHARGE CONNECTION	THD
SUCTION SIZE	5 - 6 IN.
SUCTION CONNECTION	THD
MAX. SPHERE SIZE	0.375 IN.
MAX. OPERATIONAL P.S.I.	692 (SPECIAL)

Performance based on pumping clear, fresh water at a temperature not over 85° F., free of gas, air or abrasives and with bowls properly adjusted and submerged. Performance curve reflects Hydraulic Institute tolerances and guidelines.

400

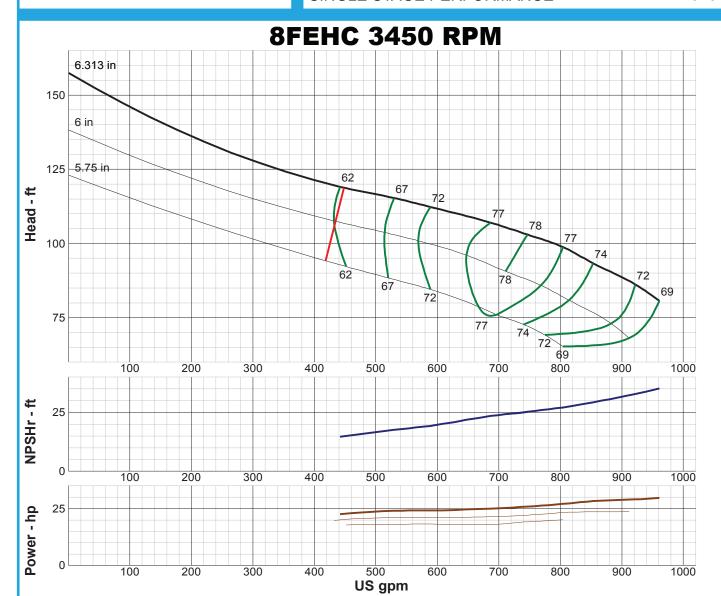
US gpm

500



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER DATA IMPELLER NUMBER TYPE THRUST FACTOR EYE AREA WEIGHT EMPELLER DATA 2978 ENCLOSED K=5.40 Minimum submergence above eye of bottom impeller: 22 IN.

EFFICIENCY CORRECTION					
NUMBER OF BOWLS:	1	2	3	4	
CHANGE AS FOLLOWS:	-3	-2	-1	0	
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.					

PUMP MATERIAL EFFICIENCY CORRECTION						
	DUCTILE	BRONZE	NI-R	STAINLESS		
IMPELLER MATERIAL:	-2	0	-1	-5		
BOWL MATERIAL:	-2	-2	-2	-4		

FLANGED BOWL DATA

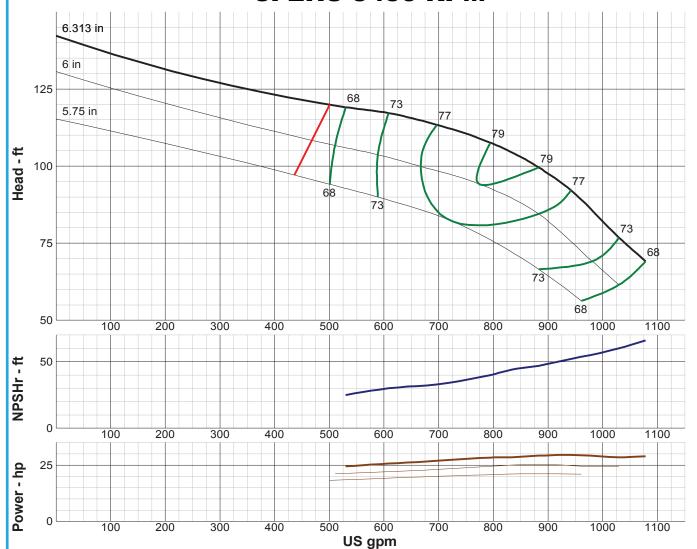
BOWL NUMBER	2883
BOWL MAX. DIAMETER	7.938 IN.
BOWL MIN. DIAMETER	7.500 IN.
MAX. NO. STAGES	5
ONE STAGE WEIGHT	130 LB.
ADD STAGE WEIGHT	30 LB.
STD. SHAFT DIA.	1.188 IN.
STD. LATERAL	0.375 IN.
DISCHARGE SIZE	5 - 6 IN.
DISCHARGE CONNECTION	THD
SUCTION SIZE	5 - 6 IN.
SUCTION CONNECTION	THD
MAX. SPHERE SIZE	0.625 IN.
MAX. OPERATIONAL P.S.I.	692 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020

8FEHS 3450 RPM



IMPELLER NUMBER 2981 **TYPE** SEMI-OPEN THRUST FACTOR K=5.40 **EYE AREA** 8.48 SQ. IN. WEIGHT 3.25 LB.

TRIM ANGLE: 29.5°

Minimum submergence above eye of bottom impeller: 24 IN.

EFFICIENCY CORRECTION

NUMBER OF BOWLS:	1	2	3	4	
CHANGE AS FOLLOWS:	-3	-2	-1	0	

CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-5
BOWL MATERIAL:	-2	-2	-2	-4

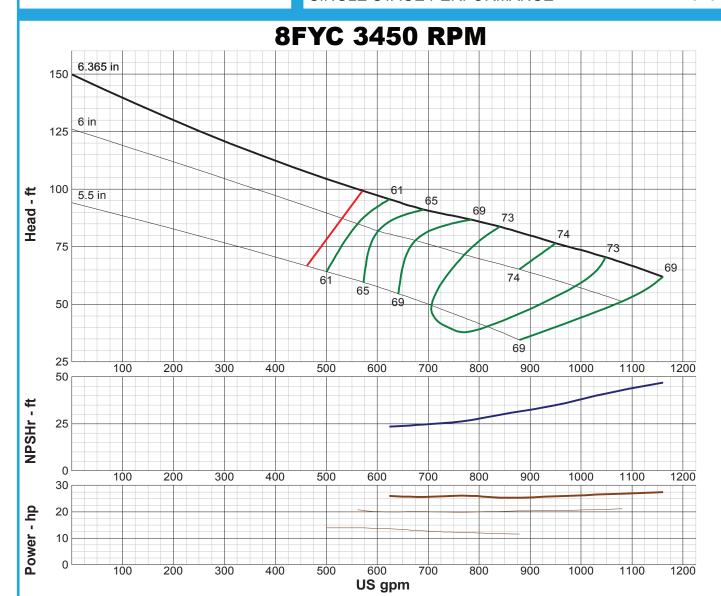
FLANGED BOWL DATA

BOWL NUMBER 2883 **BOWL MAX. DIAMETER** 7.938 IN. **BOWL MIN. DIAMETER** 7.500 IN. MAX. NO. STAGES ONE STAGE WEIGHT 130 LB. ADD STAGE WEIGHT 30 LB. STD. SHAFT DIA. 1.188 IN. 0.375 IN. STD. LATERAL DISCHARGE SIZE 5 - 6 IN. DISCHARGE CONNECTION THD SUCTION SIZE 5 - 6 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 0.625 IN. MAX. OPERATIONAL P.S.I. 692 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER DATA IMPELLER NUMBER TYPE THRUST FACTOR EYE AREA WEIGHT IMPELLER DATA TRIM ANGLE: 37' Minimum submergence above eye of bottom impeller: 28 IN.

EFFICIENCY CORRECTION					
NUMBER OF BOWLS:	1	2	3	4	
CHANGE AS FOLLOWS:	-3	-2	-1	0	
CHANGE IN FEFICIENCY MAY	Y AFFFCT	BOTH HE	AD AND	HORSEPO	WFR

PUMP MATERIAL EFFICIENCY CORRECTION						
	DUCTILE	BRONZE	NI-R	STAINLESS		
IMPELLER MATERIAL:	-2	0	-1	-5		
BOWL MATERIAL:	-2	-2	-2	-4		

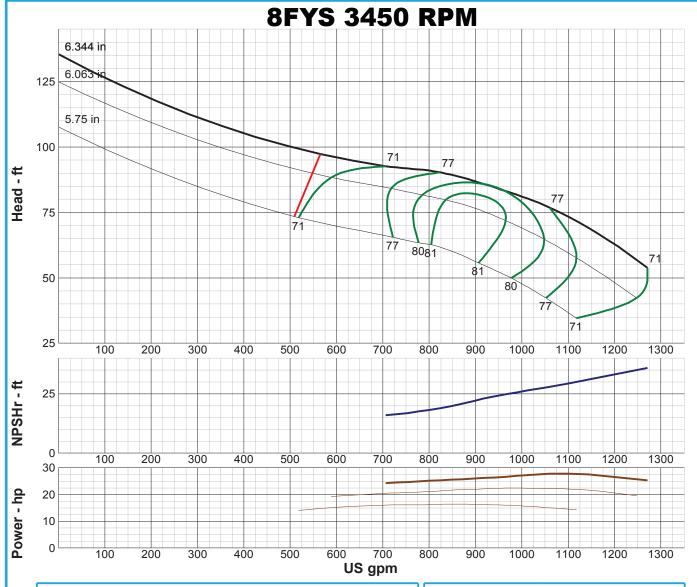
FLANGED BOWL DATA

BOWL NUMBER 5503 **BOWL MAX. DIAMETER** 7.938 IN. **BOWL MIN. DIAMETER** 7.500 IN. MAX. NO. STAGES 139 LB. ONE STAGE WEIGHT 39 LB. ADD STAGE WEIGHT STD. SHAFT DIA. 1.188 IN. STD. LATERAL 0.375 IN. DISCHARGE SIZE 5 - 6 IN. DISCHARGE CONNECTION THD SUCTION SIZE 5 - 6 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 1.125 IN. MAX. OPERATIONAL P.S.I. 692 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER DATA						
IMPELLER NUMBER TYPE THRUST FACTOR EYE AREA WEIGHT	5506 SEMI-OPEN K=8.00 15.9 SQ. IN. 5.00 LB.	TRIM ANGLE: 37° Minimum submergence above eye of bottom impeller: 30 IN.				

EFFIC	IENCY	CORRI	ECTION	1	
NUMBER OF BOWLS:	1	2	3	4	
CHANGE AS FOLLOWS:	-3	-2	-1	0	
CHANGE IN EFFICIENCY MA	Y AFFECT	BOTH HE	AD AND	HORSEPO)WFR

PUMP MATERIAL EFFICIENCY CORRECTION						
	DUCTILE	BRONZE	NI-R	STAINLESS		
IMPELLER MATERIAL:	-2	0	-1	-5		
BOWL MATERIAL:	-2	-2	-2	-4		

BOWL NUMBER	5503
BOWL MAX. DIAMETER	7.938 IN.
BOWL MIN. DIAMETER	7.500 IN.
MAX. NO. STAGES	9
ONE STAGE WEIGHT	139 LB.
ADD STAGE WEIGHT	39 LB.
STD. SHAFT DIA.	1.188 IN.
STD. LATERAL	0.375 IN.
DISCHARGE SIZE	5 - 6 IN.
DISCHARGE CONNECTION	THD
SUCTION SIZE	5 - 6 IN.
SUCTION CONNECTION	THD
MAX. SPHERE SIZE	1.125 IN.

MAX. OPERATIONAL P.S.I. 692 (SPECIAL)

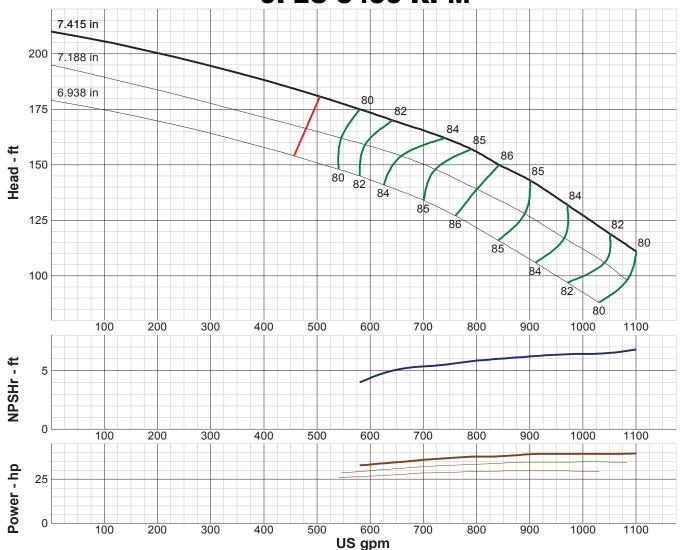
FLANGED BOWL DATA



SINGLE STAGE PERFORMANCE

APRIL 2020





IMPELLER DATA

IMPELLER NUMBER 7747 **TYPE ENCLOSED** THRUST FACTOR K=4.90 **EYE AREA** 12.4 SQ. IN. WEIGHT 8.20 LB.

TRIM ANGLE: 17°

Minimum submergence above eye of bottom impeller: 30 IN.

EFFICIENCY CORRECTION

NUMBER OF BOWLS:	1	2	3	4	
CHANGE AS FOLLOWS:	-2	-1	-0.5	0	

CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-3
BOWL MATERIAL:	-2	-2	-2	-3

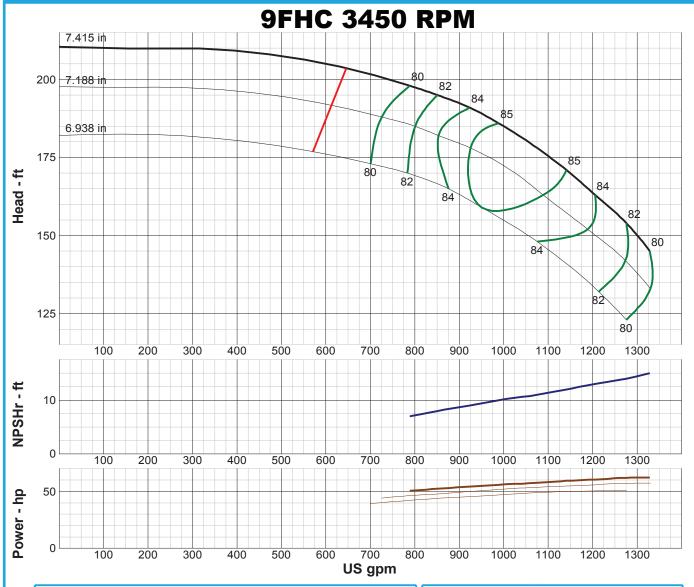
FLANGED BOWL DATA

BOWL NUMBER 7038 **BOWL MAX. DIAMETER** 9.438 IN. **BOWL MIN. DIAMETER** 9.250 IN. MAX. NO. STAGES ONE STAGE WEIGHT 145 LB. ADD STAGE WEIGHT 50 LB. STD. SHAFT DIA. 1.500 IN. STD. LATERAL 0.875 IN. DISCHARGE SIZE 6 -8 IN. DISCHARGE CONNECTION THD - FLG SUCTION SIZE 6 - 8 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 0.750 IN. 595 (SPECIAL) MAX. OPERATIONAL P.S.I.



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER DATA						
IMPELLER NUMBER TYPE THRUST FACTOR EYE AREA WEIGHT	7756 ENCLOSED K=3.10 12.4 SQ. IN. 8.20 LB.	TRIM ANGLE: 17° Minimum submergence above eye of bottom impeller: 30 IN.				
FEFICIENCY CORRECTION						

EFFIC	IENCY	CORRI	ECTION	1	
NUMBER OF BOWLS:	1	2	3	4	
CHANGE AS FOLLOWS:	-2	-1	-0.5	0	
CHANGE IN EFFICIENCY MAY	CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER				

PUMP MATERIAL EFFICIENCY CORRECTION					
DUCTILE BRONZE NI-R STAINLESS					
IMPELLER MATERIAL:	-2	0	-1	-3	
BOWL MATERIAL:	-2	-2	-2	-3	

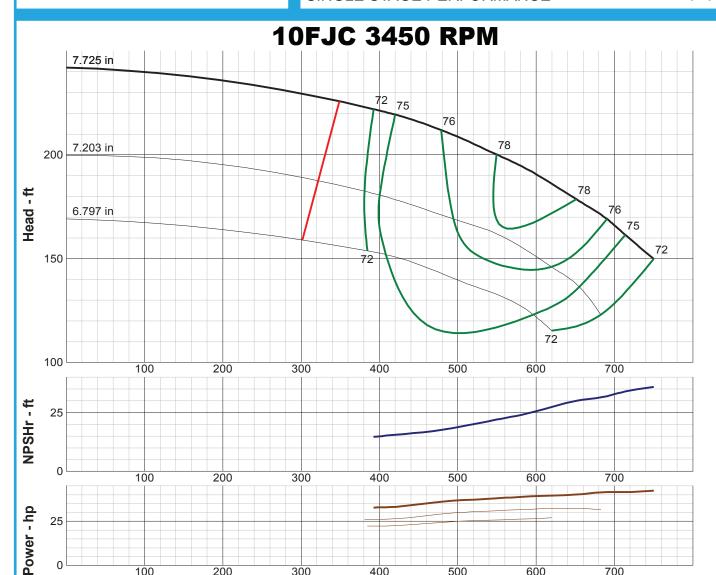
FLANGED BOWL DATA

BOWL NUMBER 7038 **BOWL MAX. DIAMETER** 9.438 IN. **BOWL MIN. DIAMETER** 9.250 IN. MAX. NO. STAGES 145 LB. ONE STAGE WEIGHT ADD STAGE WEIGHT 50 LB. STD. SHAFT DIA. 1.500 IN. 0.875 IN. STD. LATERAL DISCHARGE SIZE 6 - 8 IN. DISCHARGE CONNECTION THD - FLG SUCTION SIZE 6 - 8 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 0.750 IN. 595 (SPECIAL) MAX. OPERATIONAL P.S.I.



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER DATA						
IMPELLER NUMBER TYPE THRUST FACTOR EYE AREA WEIGHT	3094 ENCLOSED K=3.98 7.89 SQ. IN. 9.25 LB.	TRIM ANGLE: 25.5° Minimum submergence above eye of bottom impeller: 32 IN.				

200

300

100

EFFICIENCY CORRECTION						
NUMBER OF BOWLS:	1	2	3	4	5	
CHANGE AS FOLLOWS:	-5	-4	-3	-2	-1	
CHANGE IN FEFICIENCY MAY	Y AFFFCT	BOTH HE	AD AND	HORSEPO	WFR	

PUMP MATERIAL EFFICIENCY CORRECTION						
DUCTILE BRONZE NI-R STAINLESS						
IMPELLER MATERIAL:	-2	0	-1	-2		
BOWL MATERIAL:	-2	-2	-2	-3		

NGED	BOWI	DATA
MGED	BUTT	

700

600

BOWL NUMBER	3096
BOWL MAX. DIAMETER	9.875 IN.
BOWL MIN. DIAMETER	9.500 IN.
MAX. NO. STAGES	13
ONE STAGE WEIGHT	230 LB.
ADD STAGE WEIGHT	55 LB.
STD. SHAFT DIA.	1.500 IN.
STD. LATERAL	0.500 IN.
DISCHARGE SIZE	6 - 8 IN.
DISCHARGE CONNECTION	THD - FLG
SUCTION SIZE	6 - 8 IN.
SUCTION CONNECTION	THD
MAX. SPHERE SIZE	0.438 IN.
MAX. OPERATIONAL P.S.I.	595 (SPECIAL)

Performance based on pumping clear, fresh water at a temperature not over 85° F., free of gas, air or abrasives and with bowls properly adjusted and submerged. Performance curve reflects Hydraulic Institute tolerances and guidelines.

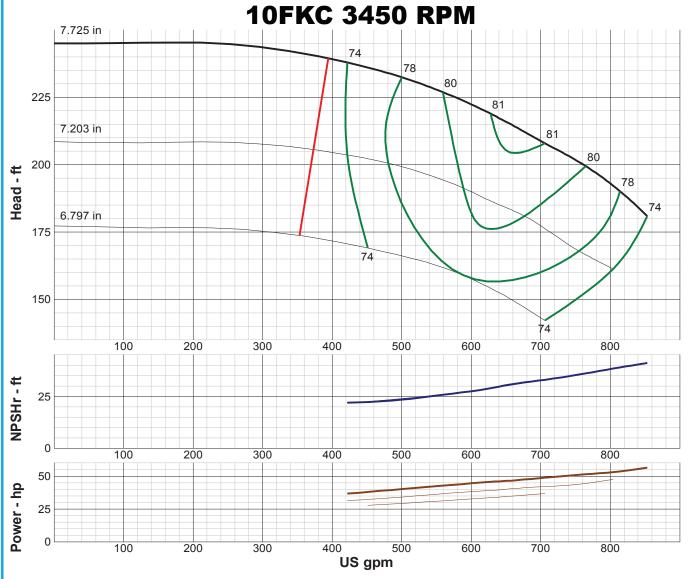
400 US gpm

500



SINGLE STAGE PERFORMANCE

APRIL 2020



	IMPELLE	R DATA
IMPELLER NUMBER TYPE THRUST FACTOR EYE AREA WEIGHT	3095 ENCLOSED K=4.20 7.89 SQ. IN. 9.50 LB.	TRIM ANGLE: 25.5° Minimum submergence above eye of bottom impeller: 32 IN.

EFFICIENCY CORRECTION						
NUMBER OF BOWLS:	1	2	3	4	5	
CHANGE AS FOLLOWS:	-5	-4	-3	-2	-1	
CHANGE IN EFFICIENCY MAY	γ ΔΕΕΕCΙ	BOTH HE		HORSEPO)WEB	

PUMP MATERIAL EFFICIENCY CORRECTION						
	DUCTILE	BRONZE	NI-R	STAINLESS		
IMPELLER MATERIAL:	-2	0	-1	-2		
BOWL MATERIAL:	-2	-2	-2	-3		

BOWL NUMBER	3096
BOWL MAX. DIAMETER	9.875 IN.
BOWL MIN. DIAMETER	9.500 IN.
MAX. NO. STAGES	9
ONE STAGE WEIGHT	230 LB.
ADD STAGE WEIGHT	55 LB.
STD. SHAFT DIA.	1.500 IN.
STD. LATERAL	0.500 IN.
DISCHARGE SIZE	6 - 8 IN.
DISCHARGE CONNECTION	THD - FLG
SUCTION SIZE	6 - 8 IN.
SUCTION CONNECTION	THD
MAX. SPHERE SIZE	0.438 IN.

595 (SPECIAL)

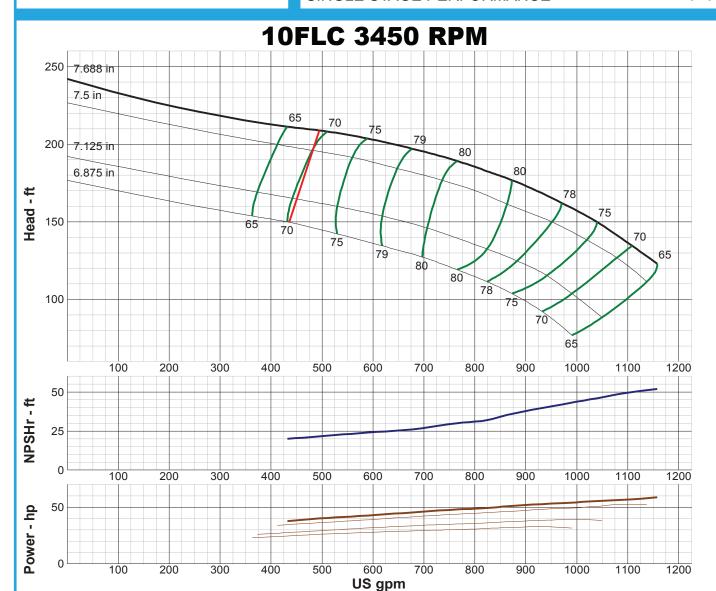
MAX. OPERATIONAL P.S.I.

FLANGED BOWL DATA



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER DATA					
IMPELLER NUMBER TYPE THRUST FACTOR EYE AREA WEIGHT	3102 ENCLOSED K=6.60 10.2 SQ. IN. 9.75 LB.	TRIM ANGLE: 20° Minimum submergence above eye of bottom impeller: 36 IN.			

EFFICIENCY CORRECTION						
NUMBER OF BOWLS:	1	2	3	4		
CHANGE AS FOLLOWS:	-4	-2	-1	0		
CHANGE IN EFFICIENCY MAY	Y AFFECT	ВОТН НЕ	EAD AND	HORSEPO	WER.	

PUMP MATERIAL EFFICIENCY CORRECTION						
	DUCTILE	BRONZE	NI-R	STAINLESS		
IMPELLER MATERIAL:	-2	0	-1	-2		
BOWL MATERIAL:	-2	-2	-2	-3		

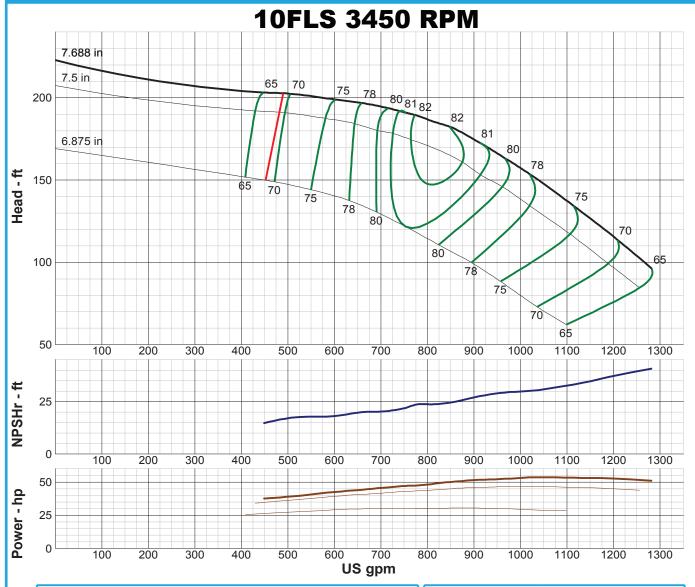
FLANGED BOWL DATA

BOWL NUMBER 3098 **BOWL MAX. DIAMETER** 9.500 IN. **BOWL MIN. DIAMETER** 9.250 IN. MAX. NO. STAGES 230 LB. ONE STAGE WEIGHT ADD STAGE WEIGHT 55 LB. STD. SHAFT DIA. 1.500 IN. STD. LATERAL 0.563 IN. DISCHARGE SIZE 6 - 8 IN. DISCHARGE CONNECTION THD - FLG SUCTION SIZE 6 - 8 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 0.500 IN. 595 (SPECIAL) MAX. OPERATIONAL P.S.I.



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER DATA					
IMPELLER NUMBER TYPE THRUST FACTOR EYE AREA WEIGHT	3103 SEMI-OPEN K=7.50 11.7 SQ. IN. 6.25 LB.	TRIM ANGLE: 20° Minimum submergence above eye of bottom impeller: 38 IN.			

EFFICIENCY CORRECTION						
NUMBER OF BOWLS:	1	2	3	4		
CHANGE AS FOLLOWS: -4 -2 -1 0						
CHANGE IN EFFICIENCY MAY	Y AFFECT	BOTH HE	AD AND	HORSEPO)WFR	

PUMP MATERIAL EFFICIENCY CORRECTION						
	DUCTILE	BRONZE	NI-R	STAINLESS		
IMPELLER MATERIAL:	-2	0	-1	-2		
BOWL MATERIAL:	-2	-2	-2	-3		

BOWL NUMBER	3098
BOWL MAX. DIAMETER	9.500 IN.
BOWL MIN. DIAMETER	9.250 IN.
MAX. NO. STAGES	10
ONE STAGE WEIGHT	230 LB.
ADD STAGE WEIGHT	55 LB.
STD. SHAFT DIA.	1.500 IN.
STD. LATERAL	0.500 IN.
DISCHARGE SIZE	6 - 8 IN.
DISCHARGE CONNECTION	THD - FLG
SUCTION SIZE	6 - 8 IN.
SUCTION CONNECTION	THD
MAX_SPHERE SIZE	0.500 IN.

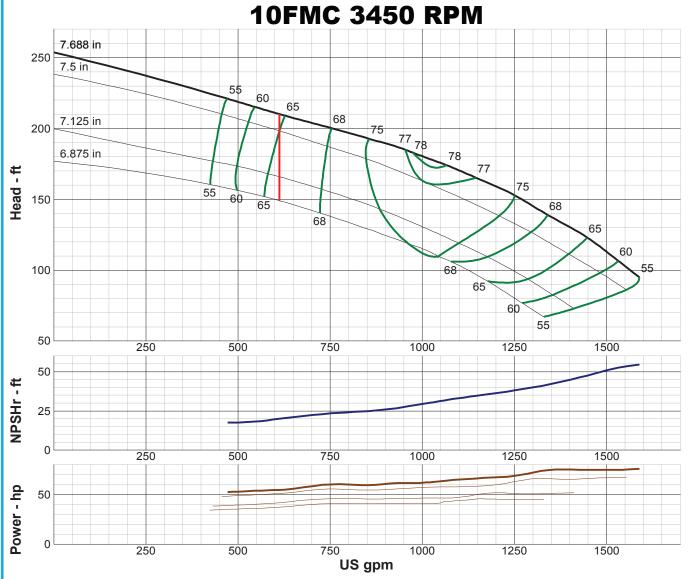
MAX. OPERATIONAL P.S.I. 595 (SPECIAL)

FLANGED BOWL DATA



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER DATA					
TYPE E THRUST FACTOR K EYE AREA 1	8097 ENCLOSED <=6.60 11.7 SQ. IN. 8.50 LB.	TRIM ANGLE: 26° Minimum submergence above eye of bottom impeller: 36 IN.			

EFFICIENCY CORRECTION						
NUMBER OF BOWLS:	1	2	3	4		
CHANGE AS FOLLOWS:	-5	-2	-1	0		
CHANGE IN EFFICIENCY MAY	Y AFFECT	BOTH HE		HORSEPO)WFR	

PUMP MATERIAL EFFICIENCY CORRECTION						
	DUCTILE BRONZE NI-R STAINLESS					
IMPELLER MATERIAL:	-2	0	-1	-2		
BOWL MATERIAL:	-2	-2	-2	-3		

FLANGED BOWL DATA

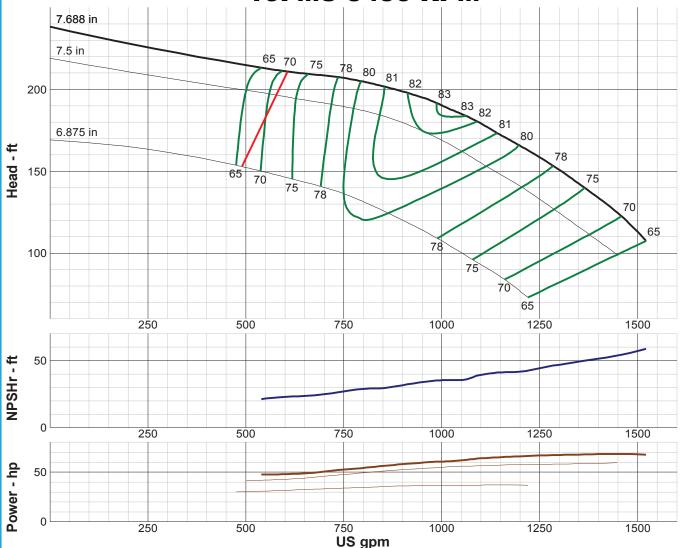
BOWL NUMBER BOWL MAX. DIAMETER 9.500 IN. **BOWL MIN. DIAMETER** 9.250 IN. MAX. NO. STAGES 230 LB. ONE STAGE WEIGHT ADD STAGE WEIGHT 55 LB. STD. SHAFT DIA. 1.500 IN. 0.625 IN. STD. LATERAL DISCHARGE SIZE 6 - 8 IN. DISCHARGE CONNECTION THD - FLG SUCTION SIZE 6 - 8 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 0.625 IN. 595 (SPECIAL) MAX. OPERATIONAL P.S.I.



SINGLE STAGE PERFORMANCE

APRIL 2020





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IMPELLER NUMBER 3099 **TYPE** SEMI-OPEN THRUST FACTOR K=7.50 **EYE AREA** 11.7 SQ. IN. WEIGHT 5.75 LB.

TRIM ANGLE: 26°

Minimum submergence above eye of bottom impeller: 38 IN.

EFFICIENCY CORRECTION

	NUMBER OF BOWLS:	1	2	3	4	
	CHANGE AS FOLLOWS:	-4	-2	-1	0	

CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTION

_				
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-2
BOWL MATERIAL:	-2	-2	-2	-3

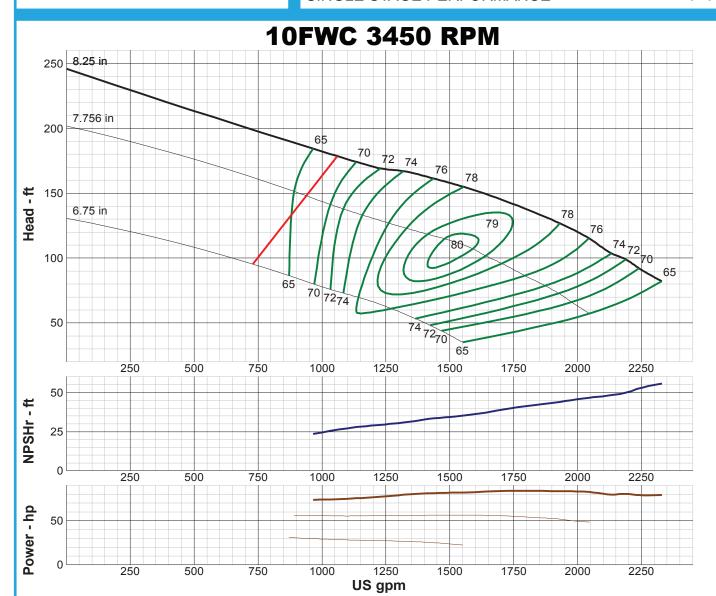
FLANGED BOWL DATA

BOWL NUMBER BOWL MAX. DIAMETER 9.500 IN. **BOWL MIN. DIAMETER** 9.250 IN. MAX. NO. STAGES 230 LB. ONE STAGE WEIGHT ADD STAGE WEIGHT 55 LB. STD. SHAFT DIA. 1.500 IN. STD. LATERAL 0.625 IN. DISCHARGE SIZE 6 - 8 IN. DISCHARGE CONNECTION THD - FLG SUCTION SIZE 6 - 8 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 0.625 IN. MAX. OPERATIONAL P.S.I. 595 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER DATA							
IMPELLER NUMBER TYPE THRUST FACTOR EYE AREA WEIGHT	3577 ENCLOSED K=10.30 19.4 SQ. IN. 11.50 LB.	TRIM ANGLE: 33.25° Minimum submergence above eye of bottom impeller: 28 IN.					
EEI	EFFICIENCY CORRECTION						

EFFICIENCY CORRECTION						
NUMBER OF BOWLS:	1	2	3	4		
CHANGE AS FOLLOWS:	-4	-2	-1	0		
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.						

PUMP MATERIAL EFFICIENCY CORRECTION						
	DUCTILE	BRONZE	NI-R	STAINLESS		
IMPELLER MATERIAL:	-2	0	-1	-2		
BOWL MATERIAL:	-2	-2	-2	-3		

FLANGED BOWL DATA

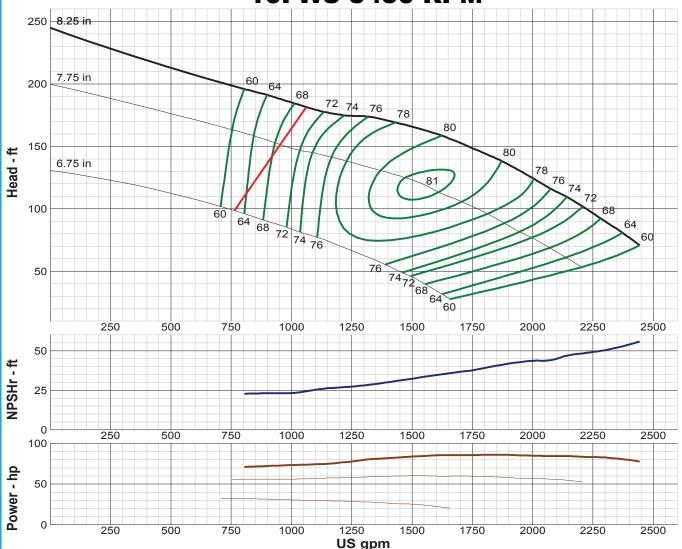
BOWL NUMBER BOWL MAX. DIAMETER 9.875 IN. **BOWL MIN. DIAMETER** 9.500 IN. MAX. NO. STAGES 250 LB. ONE STAGE WEIGHT ADD STAGE WEIGHT 60 LB. STD. SHAFT DIA. 1.688 IN. 0.875 IN. STD. LATERAL DISCHARGE SIZE 6 - 8 IN. DISCHARGE CONNECTION THD - FLG SUCTION SIZE 6 - 8 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 0.875 IN. 455 (SPECIAL) MAX. OPERATIONAL P.S.I.



SINGLE STAGE PERFORMANCE

APRIL 2020





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	 	K I	141	4

IMPELLER NUMBER3542TYPESEMI-OPENTHRUST FACTORK=11.40EYE AREA19.4 SQ. IN.WEIGHT7.25 LB.

TRIM ANGLE: 33.25°

Minimum submergence above eye of bottom impeller: 28 IN.

EFFICIENCY CORRECTION

NUMBER OF BOWLS:	1	2	3	4	
CHANGE AS FOLLOWS:	-4	-2	-1	0	

CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS		
IMPELLER MATERIAL:	-2	0	-1	-2		
BOWL MATERIAL:	-2	-2	-2	-3		

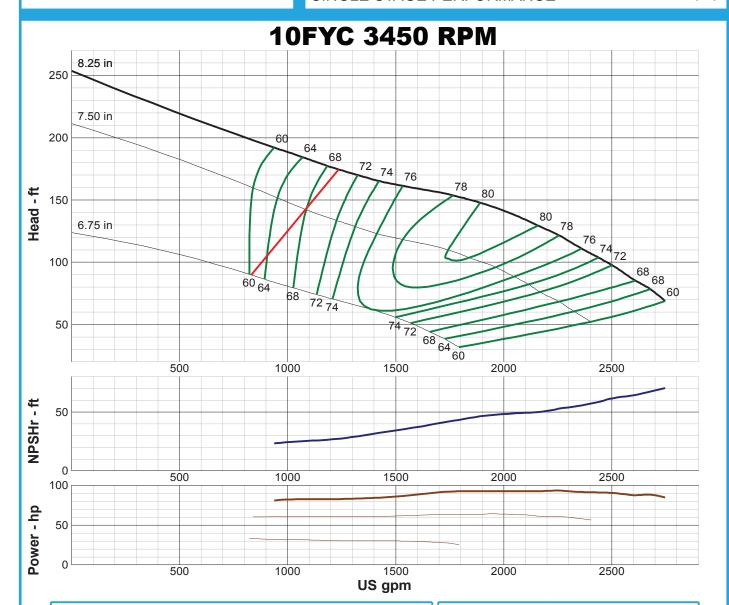
FLANGED BOWL DATA

BOWL NUMBER 3541 **BOWL MAX. DIAMETER** 9.875 IN. **BOWL MIN. DIAMETER** 9.500 IN. MAX. NO. STAGES 250 LB. ONE STAGE WEIGHT 60 LB. ADD STAGE WEIGHT STD. SHAFT DIA. 1.688 IN. STD. LATERAL 0.875 IN. DISCHARGE SIZE 6 - 8 IN. DISCHARGE CONNECTION THD - FLG SUCTION SIZE 6 - 8 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 0.875 IN. MAX. OPERATIONAL P.S.I. 455 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER NUMBER 3540 TRIM ANGLE: 33.2	IMPELLER DATA						
THRUSTEACTOR KEID 3D	ENCLOSED K=10.30 Minimum submergence above eye of bottom impeller: 40 IN.						

EFFICIENCY CORRECTION						
NUMBER OF BOWLS:	1	2	3	4		
CHANGE AS FOLLOWS:	-4	-2	-1	0		
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.						

PUMP MATERIAL EFFICIENCY CORRECTION						
	DUCTILE	BRONZE	NI-R	STAINLESS		
IMPELLER MATERIAL:	-2	0	-1	-2		
BOWL MATERIAL:	-2	-2	-2	-3		

FLANGED BOWL DATA

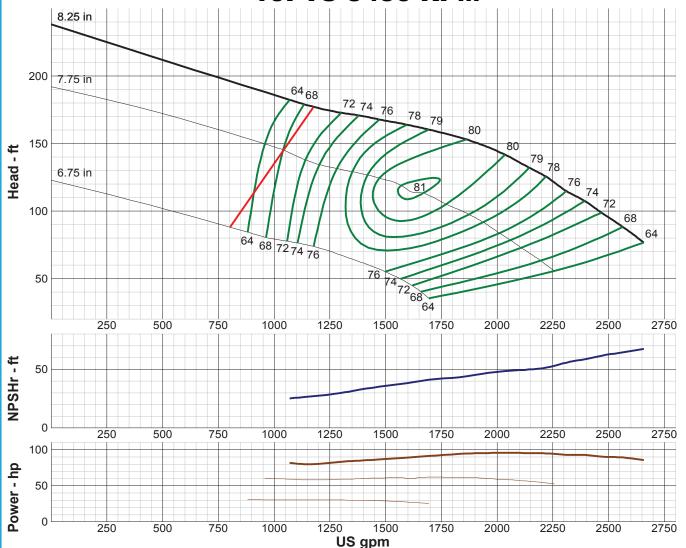
BOWL NUMBER BOWL MAX. DIAMETER 9.875 IN. BOWL MIN. DIAMETER 9.500 IN. MAX. NO. STAGES 250 LB. ONE STAGE WEIGHT ADD STAGE WEIGHT 60 LB. STD. SHAFT DIA. 1.688 IN. STD. LATERAL 0.750 IN. DISCHARGE SIZE 6 - 8 IN. DISCHARGE CONNECTION THD - FLG SUCTION SIZE 6 - 8 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 0.875 IN. 455 (SPECIAL) MAX. OPERATIONAL P.S.I.



SINGLE STAGE PERFORMANCE

APRIL 2020





IMPELLER DATA

IMPELLER NUMBER3542TYPESEMI-OPENTHRUST FACTORK=11.40EYE AREA19.4 SQ. IN.WEIGHT7.25 LB.

TRIM ANGLE: 33.25°

Minimum submergence above eye of bottom impeller: 40 IN.

EFFICIENCY CORRECTION

NUMBER OF BOWLS:	1	2	3	4	
CHANGE AS FOLLOWS:	-4	-2	-1	0	

CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-2
BOWL MATERIAL:	-2	-2	-2	-3

FLANGED BOWL DATA

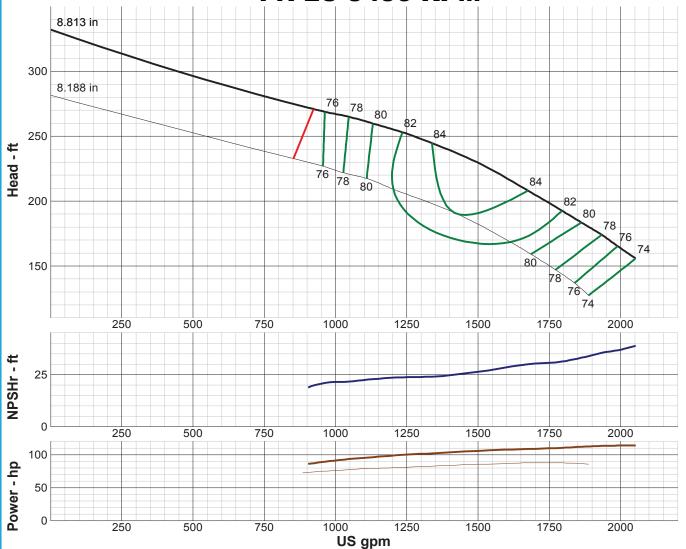
BOWL NUMBER 3541 **BOWL MAX. DIAMETER** 9.875 IN. **BOWL MIN. DIAMETER** 9.500 IN. MAX. NO. STAGES 250 LB. ONE STAGE WEIGHT 60 LB. ADD STAGE WEIGHT STD. SHAFT DIA. 1.688 IN. STD. LATERAL 0.750 IN. DISCHARGE SIZE 6 - 8 IN. DISCHARGE CONNECTION THD - FLG SUCTION SIZE 6 - 8 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 0.875 IN. MAX. OPERATIONAL P.S.I. 455 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020





IMPELLER DATA

IMPELLER NUMBER0183TYPEENCLOSEDTHRUST FACTORK=7.90EYE AREA17.7 SQ. IN.WEIGHT13.30 LB.

TRIM ANGLE: 23°

Minimum submergence above eye of bottom impeller: 30 IN.

EFFICIENCY CORRECTION

NUMBER OF BOWLS:	1	2	3	4	
CHANGE AS FOLLOWS:	-3	-2	-1	0	

CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS		
IMPELLER MATERIAL:	-2	0	-1	-2		
BOWL MATERIAL:	-2	-2	-1	-2		

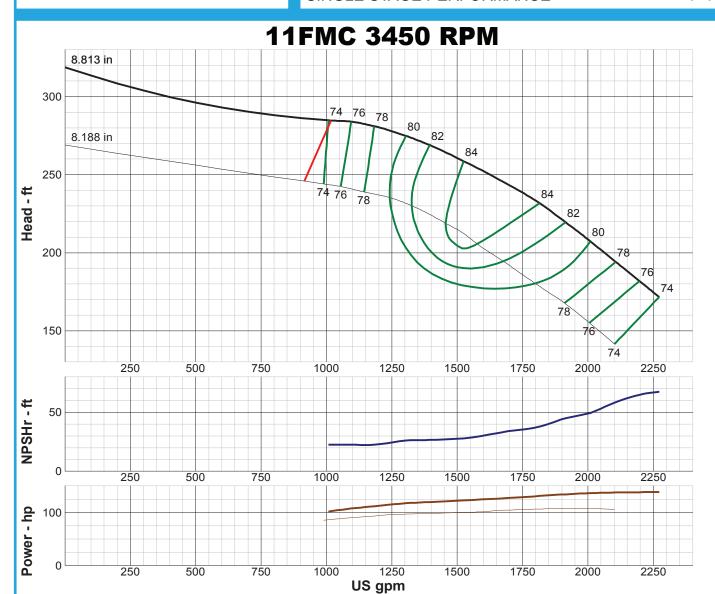
FLANGED BOWL DATA

BOWL NUMBER BOWL MAX. DIAMETER 11.188 IN. **BOWL MIN. DIAMETER** 11.000 IN. MAX. NO. STAGES 25 235 LB. ONE STAGE WEIGHT ADD STAGE WEIGHT 105 LB. STD. SHAFT DIA. 1.688 IN. 0.750 IN. STD. LATERAL DISCHARGE SIZE 8 IN. DISCHARGE CONNECTION THD - FLG SUCTION SIZE 8 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 0.750 IN. MAX. OPERATIONAL P.S.I. 380 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER DATA						
IMPELLER NUMBER TYPE THRUST FACTOR EYE AREA WEIGHT	0184 ENCLOSED K=7.80 17.7 SQ. IN. 13.30 LB.	TRIM ANGLE: 23° Minimum submergence above eye of bottom impeller: 30 IN.				

EFFICIENCY CORRECTION						
NUMBER OF BOWLS:	1	2	3	4		
CHANGE AS FOLLOWS:	-3	-2	-1	0		
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.						

PUMP MATERIAL EFFICIENCY CORRECTION					
	DUCTILE	BRONZE	NI-R	STAINLESS	
IMPELLER MATERIAL:	-2	0	-1	-2	
BOWL MATERIAL:	-2	-2	-1	-2	

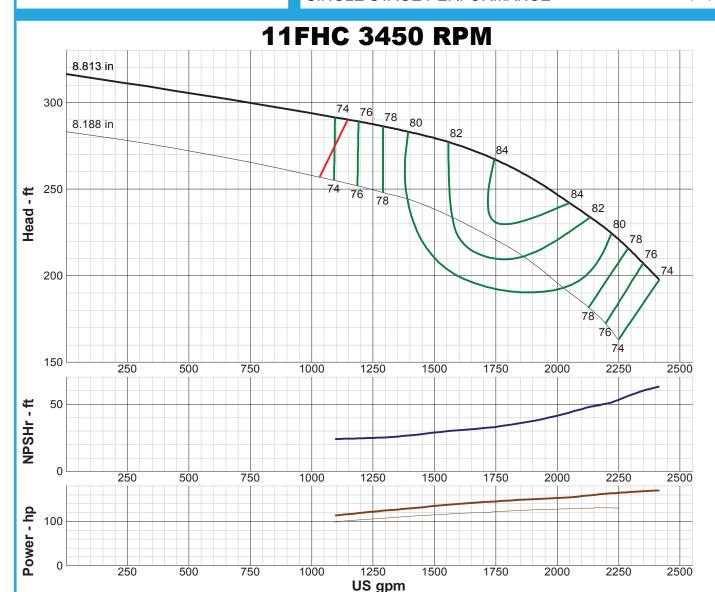
FLANGED BOWL DATA

BOWL NUMBER BOWL MAX. DIAMETER 11.188 IN. BOWL MIN. DIAMETER 11.000 IN MAX. NO. STAGES ONE STAGE WEIGHT 235 LB. ADD STAGE WEIGHT 105 LB. STD. SHAFT DIA. 1.688 IN. 0.750 IN. STD. LATERAL DISCHARGE SIZE 8 IN. DISCHARGE CONNECTION THD - FLG SUCTION SIZE 8 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 0.750 IN. 380 (SPECIAL) MAX. OPERATIONAL P.S.I.



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER DATA IMPELLER NUMBER 0185 TYPE ENCLOSED THRUST FACTOR K=7.40 EYE AREA 17.7 SQ. IN. WEIGHT 13.30 LB. TRIM ANGLE: 23° Minimum submergence above eye of bottom impeller: 30 IN.

		001111		•	
NUMBER OF BOWLS:	1	2	3	4	
CHANGE AS FOLLOWS:	-3	-2	-1	0	
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.					

PUMP MATERIAL EFFICIENCY CORRECTION					
	DUCTILE	BRONZE	NI-R	STAINLESS	
IMPELLER MATERIAL:	-2	0	-1	-2	
BOWL MATERIAL:	-2	-2	-1	-2	

FLANGED BOWL DATA

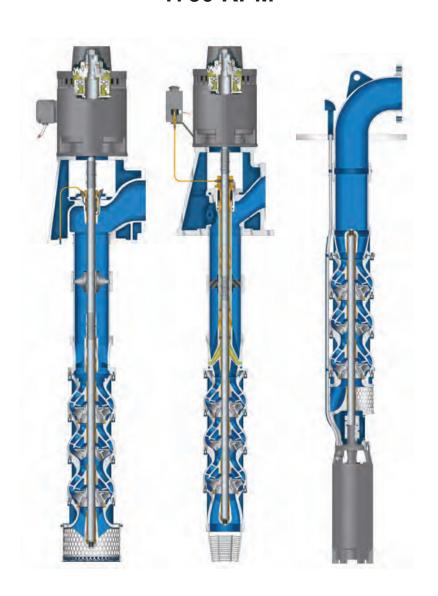
BOWL NUMBER BOWL MAX. DIAMETER 11.188 IN. **BOWL MIN. DIAMETER** 11.000 IN. MAX. NO. STAGES 235 LB. ONE STAGE WEIGHT ADD STAGE WEIGHT 105 LB. STD. SHAFT DIA. 1.688 IN. STD. LATERAL 0.750 IN. DISCHARGE SIZE 8 IN. DISCHARGE CONNECTION THD - FLG SUCTION SIZE 8 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 0.750 IN. 380 (SPECIAL) MAX. OPERATIONAL P.S.I.



PERFORMANCE CURVES

LINESHAFT & SUBMERSIBLE

1750 RPM

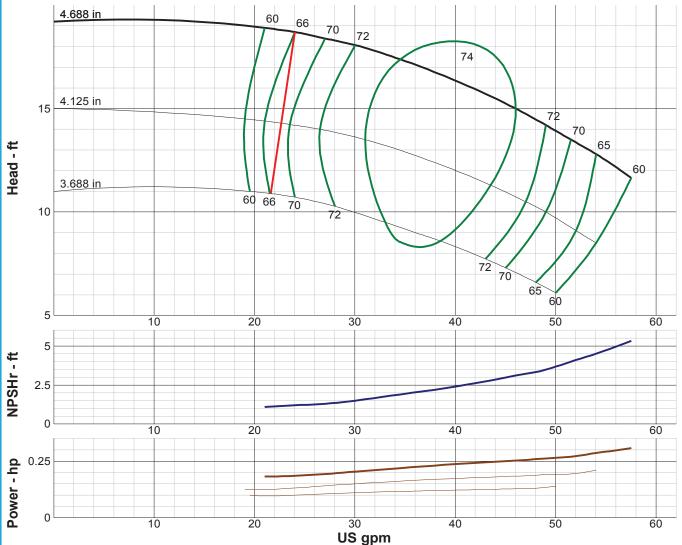




SINGLE STAGE PERFORMANCE

APRIL 2020





IMPELLER NUMBER6404TYPEENCLOSEDTHRUST FACTORK=1.56EYE AREA2.41 SQ. IN.WEIGHT1.80 LB.

TRIM ANGLE: 0°

Minimum submergence above eye of bottom impeller: 10 IN.

EFFICIENCY CORRECTION

NUMBER OF BOWLS:	1	2	3	4	
CHANGE AS FOLLOWS:	-5	-3	-1	0	

CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTION

_				
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-3
BOWL MATERIAL:	-1	-1	-1	-6

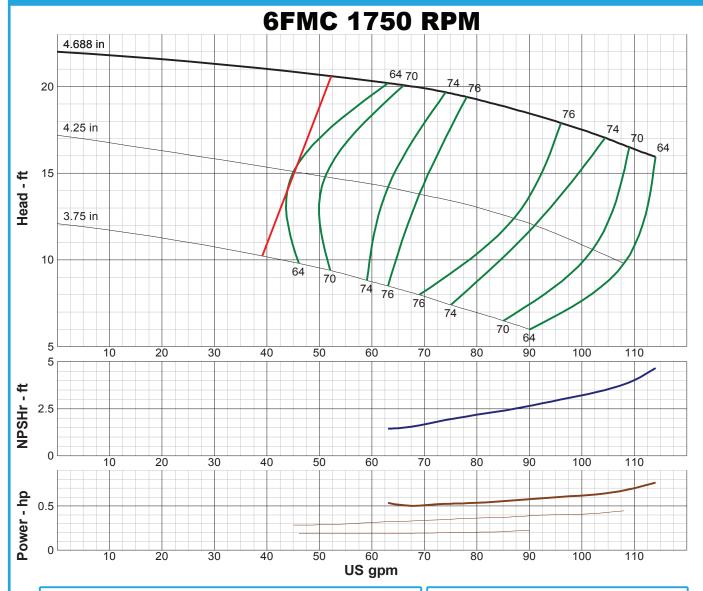
FLANGED BOWL DATA

BOWL NUMBER BOWL MAX. DIAMETER 5.875 IN. **BOWL MIN. DIAMETER** 5.563 IN. MAX. NO. STAGES 55 75 LB. ONE STAGE WEIGHT ADD STAGE WEIGHT 15 LB. STD. SHAFT DIA. 0.750 IN. 0.375 IN. STD. LATERAL DISCHARGE SIZE 4 IN. DISCHARGE CONNECTION THD - FLG SUCTION SIZE 4 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 0.125 IN. 360 (SPECIAL) MAX. OPERATIONAL P.S.I.



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER DATA					
IMPELLER NUMBER TYPE THRUST FACTOR EYE AREA WEIGHT	6707 ENCLOSED K=2.24 3.20 SQ. IN. 2.15 LB.	TRIM ANGLE: 27° Minimum submergence above eye of bottom impeller: 12 IN.			

EFFICIENCY CORRECTION					
NUMBER OF BOWLS:	1	2	3	4	
CHANGE AS FOLLOWS:	-4	-2	-1	0	
CHANGE IN FEFICIENCY MAY	Y AFFECT	BOTH HE	AD AND	HORSEPO	WFR

PUMP MATERIAL EFFICIENCY CORRECTION				
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-3
BOWL MATERIAL:	-1	-1	-1	-6

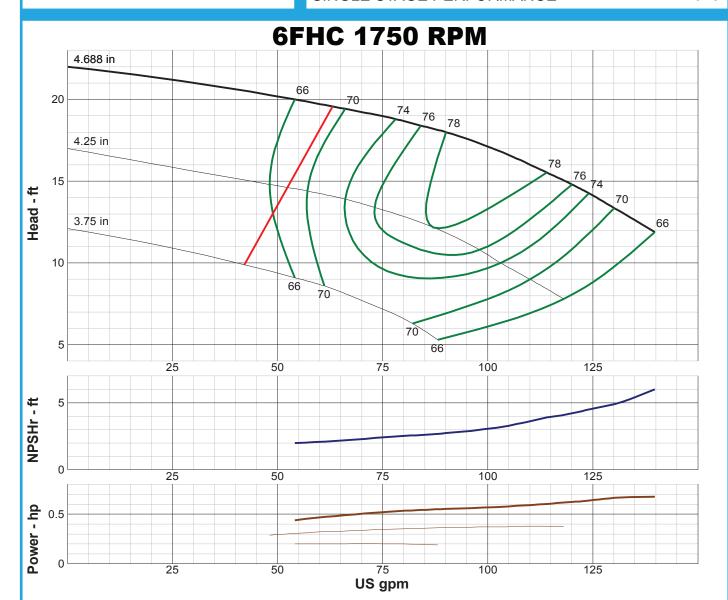
FLANGED BOWL DATA

BOWL NUMBER BOWL MAX. DIAMETER 5.813 IN. BOWL MIN. DIAMETER 5.563 IN. MAX. NO. STAGES 75 LB. ONE STAGE WEIGHT ADD STAGE WEIGHT 15 LB. STD. SHAFT DIA. 1.000 IN. STD. LATERAL 0.438 IN. DISCHARGE SIZE 4 IN. DISCHARGE CONNECTION THD - FLG SUCTION SIZE 4 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 0.188 IN. 360 (SPECIAL) MAX. OPERATIONAL P.S.I.



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER DATA					
IMPELLER NUMBER TYPE THRUST FACTOR EYE AREA WEIGHT	6606 ENCLOSED K=2.24 3.65 SQ. IN. 2.38 LB.	TRIM ANGLE: 20° Minimum submergence above eye of bottom impeller: 12 IN.			

EFFICIENCY CORRECTION					
NUMBER OF BOWLS:	1	2	3	4	
CHANGE AS FOLLOWS:	-4	-2	-1	0	
CHANGE IN EFFICIENCY MAY	CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.				

PUMP MATERIAL EFFICIENCY CORRECTION					
	DUCTILE	BRONZE	NI-R	STAINLESS	
IMPELLER MATERIAL:	-2	0	-1	-3	
BOWL MATERIAL:	-1	-1	-1	-6	

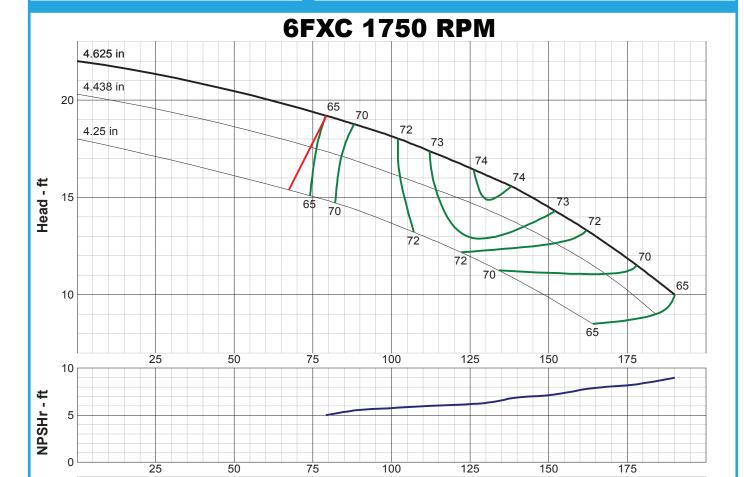
FLANGED BOWL DATA

BOWL NUMBER BOWL MAX. DIAMETER 5.813 IN. **BOWL MIN. DIAMETER** 5.563 IN. MAX. NO. STAGES ONE STAGE WEIGHT 75 LB. ADD STAGE WEIGHT 15 LB. STD. SHAFT DIA. 1.000 IN. 0.375 IN. STD. LATERAL DISCHARGE SIZE 4 IN. DISCHARGE CONNECTION THD - FLG SUCTION SIZE 4 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 0.188 IN. MAX. OPERATIONAL P.S.I. 360 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020



	IMPELL	ER DATA
MOELLED MUMBER	0000	

IMPELLER NUMBER 6909
TYPE ENCLOSED
THRUST FACTOR K=2.83
EYE AREA 4.01 SQ. IN.
WEIGHT 2.15 LB.

25

Power - hp

0.5

TRIM ANGLE: 30°

75

Minimum submergence above eye of bottom impeller: 20 IN.

100

US gpm

125

NUMBER OF BOWLS: 1 2 3 4 CHANGE AS FOLLOWS: -4 -2 -1 0

50

CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTION				
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-3
BOWL MATERIAL:	-1	-1	-1	-6

FLANGED BOWL DATA

175

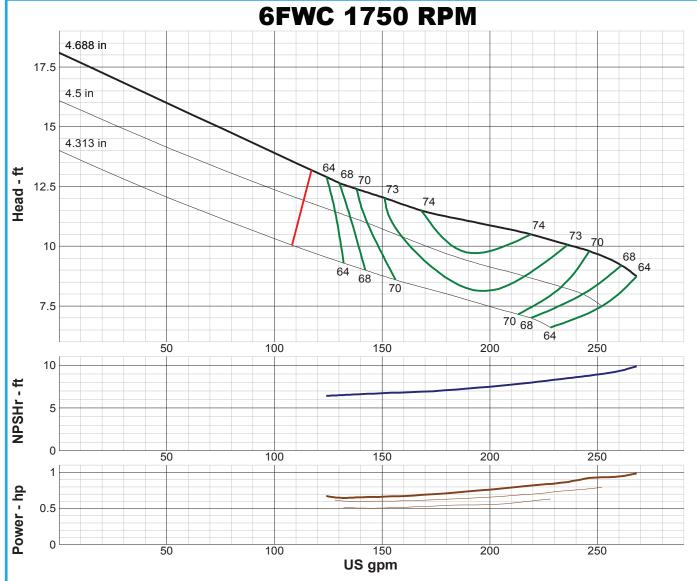
150

BOWL NUMBER BOWL MAX. DIAMETER 5.813 IN. **BOWL MIN. DIAMETER** 5.563 IN. MAX. NO. STAGES 75 LB. ONE STAGE WEIGHT ADD STAGE WEIGHT 15 LB. STD. SHAFT DIA. 1.000 IN. 0.625 IN. STD. LATERAL DISCHARGE SIZE 4 IN. DISCHARGE CONNECTION THD - FLG SUCTION SIZE 4 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 0.188 IN. 360 (SPECIAL) MAX. OPERATIONAL P.S.I.



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER DATA				
IMPELLER NUMBER TYPE THRUST FACTOR EYE AREA WEIGHT	6808 ENCLOSED K=4.13 6.88 SQ. IN. 2.65 LB.	TRIM ANGLE: 35° Minimum submergence above eye of bottom impeller: 20 IN.		

EFFICIENCY CORRECTION					
NUMBER OF BOWLS:	1	2	3	4	
CHANGE AS FOLLOWS:	-4	-2	-1	0	
CHANGE IN EFFICIENCY MAY	Y AFFECT	BOTH HE	EAD AND	HORSEPO	WER.

PUMP MATERIAL EFFICIENCY CORRECTION				
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-3
BOWL MATERIAL:	-1	-1	-1	-6

FLANGED BOWL DATA

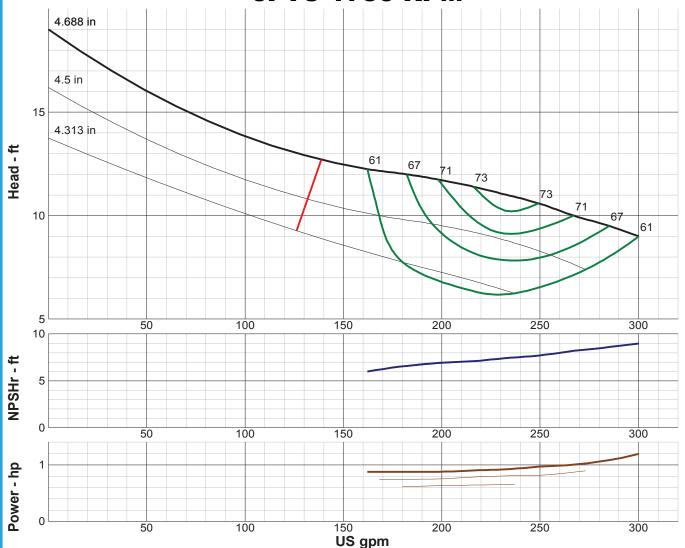
BOWL NUMBER	6818
BOWL MAX. DIAMETER	5.875 IN.
BOWL MIN. DIAMETER	5.563 IN.
MAX. NO. STAGES	43
ONE STAGE WEIGHT	75 LB.
ADD STAGE WEIGHT	15 LB.
STD. SHAFT DIA.	1.000 IN.
STD. LATERAL	0.438 IN.
DISCHARGE SIZE	4 IN.
DISCHARGE CONNECTION	THD - FLG
SUCTION SIZE	4 IN.
SUCTION CONNECTION	THD
MAX. SPHERE SIZE	0.500 IN.
MAX. OPERATIONAL P.S.I.	360 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020





IMPELLER DATA

IMPELLER NUMBER	6414
TYPE	ENCLOSED
THRUST FACTOR	K=4.10
EYE AREA	7.51 SQ. IN.
WEIGHT	2.35 LB.

TRIM ANGLE: 30°

Minimum submergence above eye of bottom impeller: 20 IN.

EFFICIENCY CORRECTION

NUMBER OF BOWLS:	1	2	3	4	
CHANGE AS FOLLOWS:	-4	-2	-1	0	
OLIANIOE IN EFFICIENCY MAN	/ A E E E O T	DOTLLL	- 4 D 4 A N I D	LIODOEDO	NA/ED

CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-3
BOWL MATERIAL:	-1	-1	-1	-6

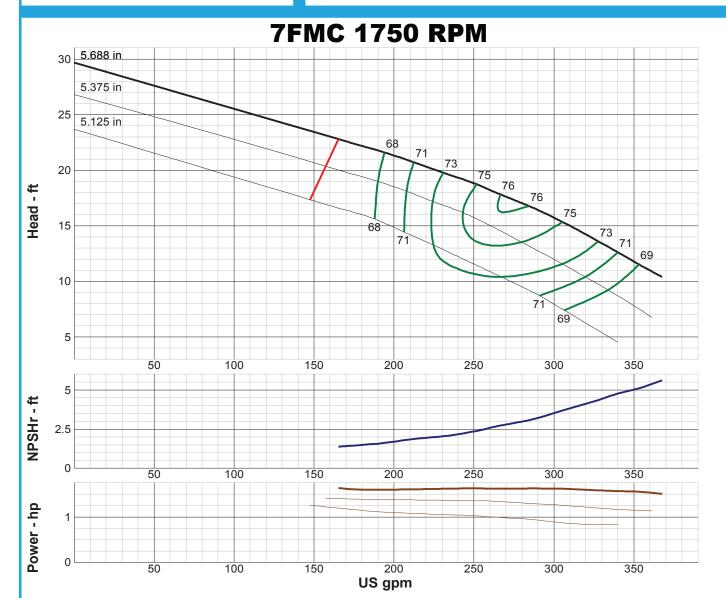
FLANGED BOWL DATA

BOWL NUMBER BOWL MAX. DIAMETER 5.875 IN. **BOWL MIN. DIAMETER** 5.563 IN. MAX. NO. STAGES ONE STAGE WEIGHT 75 LB. ADD STAGE WEIGHT 15 LB. STD. SHAFT DIA. 1.000 IN. 0.250 IN. STD. LATERAL DISCHARGE SIZE 4 IN. DISCHARGE CONNECTION THD - FLG SUCTION SIZE 4 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 0.500 IN. 360 (SPECIAL) MAX. OPERATIONAL P.S.I.



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER DATA				
IMPELLER NUMBER TYPE THRUST FACTOR EYE AREA WEIGHT	7647 ENCLOSED K=4.5 11.3 SQ. IN. 5.00 LB.	TRIM ANGLE: 18° Minimum submergence above eye of bottom impeller: 18 IN.		

EFFIC	IENCY	CORRI	ECTION	V	
NUMBER OF BOWLS:	1	2	3		
CHANGE AS FOLLOWS:	-2	-1	0		
CHANGE IN EFFICIENCY MAY	Y AFFECT	BOTH HE	AD AND	HORSEPO	WER.

PUMP MATERIAL EFFICIENCY CORRECTION				
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-3
BOWL MATERIAL:	-2	-2	-2	-6

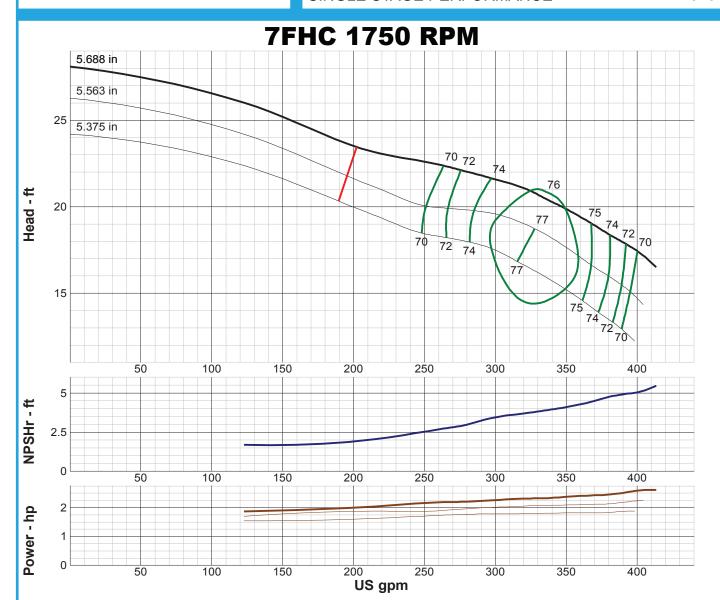
FLANGED BOWL DATA

BOWL NUMBER 6947 **BOWL MAX. DIAMETER** 7.313 IN. **BOWL MIN. DIAMETER** 7.125 IN. MAX. NO. STAGES ONE STAGE WEIGHT 102 LB. ADD STAGE WEIGHT 37 LB. STD. SHAFT DIA. 1.188 IN. 0.625 IN. STD. LATERAL DISCHARGE SIZE 5 - 6 IN. DISCHARGE CONNECTION THD - FLG SUCTION SIZE 5 - 6 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 0.750 IN. MAX. OPERATIONAL P.S.I. 695 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020



	IMPELLE	R DATA		
IMPELLER NUMBER TYPE THRUST FACTOR EYE AREA WEIGHT	7656 ENCLOSED K=4.56 11.3 SQ. IN. 5.25 LB.	TRIM ANGLE: 18° Minimum submergence above eye of bottom impeller: 18 IN.		

EFFIC	ENCY	CORRI	ECTION	V	
NUMBER OF BOWLS:	1	2	3		
CHANGE AS FOLLOWS:	-2	-1	0		
CHANGE IN EFFICIENCY MAY	Y AFFECT	BOTH HE	EAD AND	HORSEPO	WER.

PUMP MATERIAL EFFICIENCY CORRECTION						
	DUCTILE	BRONZE	NI-R	STAINLESS		
IMPELLER MATERIAL:	-2	0	-1	-3		
BOWL MATERIAL:	-2	-2	-2	-6		

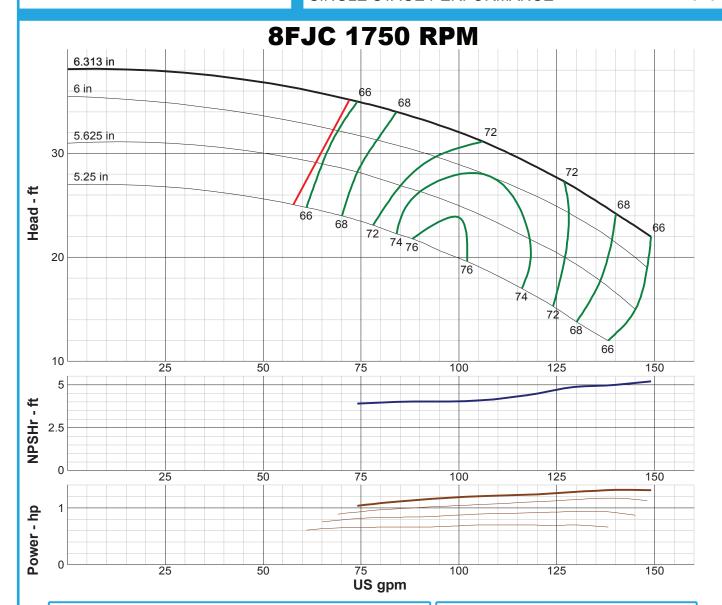
FLANGED BOWL DATA

BOWL NUMBER 6947 **BOWL MAX. DIAMETER** 7.313 IN. **BOWL MIN. DIAMETER** 7.125 IN. MAX. NO. STAGES ONE STAGE WEIGHT 102 LB. ADD STAGE WEIGHT 37 LB. STD. SHAFT DIA. 1.188 IN. STD. LATERAL 0.625 IN. DISCHARGE SIZE 5 - 6 IN. DISCHARGE CONNECTION THD - FLG SUCTION SIZE 5 - 6 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 0.750 IN. MAX. OPERATIONAL P.S.I. 692 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020



	IMPELLE	R DATA
IMPELLER NUMBER TYPE THRUST FACTOR EYE AREA WEIGHT	3628 ENCLOSED K=2.98 3.65 SQ. IN. 5.75 LB.	TRIM ANGLE: 0° Minimum submergence above eye of bottom impeller: 18 IN.
	FIGUENOV O	ODDECTION

EFFICIENCY CORRECTION						
NUMBER OF BOWLS:	1	2	3			
CHANGE AS FOLLOWS:	-3	-1	-0			
CHANGE IN FEFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER						

PUMP MATERIAL EFFICIENCY CORRECTION						
	DUCTILE	BRONZE	NI-R	STAINLESS		
IMPELLER MATERIAL:	-2	0	-1	-2		
BOWL MATERIAL:	-2	-2	-2	-5		

FLANGED BOWL DATA

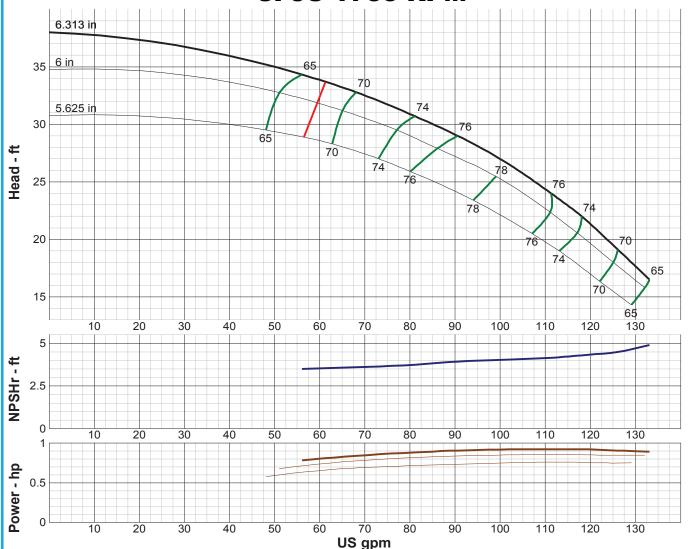
BOWL BUMBER 3629 **BOWL MAX. DIAMETER** 7.813 IN. **BOWL MIN. DIAMETER** 7.500 IN. MAX. NO. STAGES ONE STAGE WEIGHT 130 LB. ADD STAGE WEIGHT 30 LB. STD. SHAFT DIA. 1.000 IN. 0.438 IN. STD. LATERAL DISCHARGE SIZE 5 - 6 IN. DISCHARGE CONNECTION THD - FLG SUCTION SIZE 5 - 6 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 0.250 IN. MAX. OPERATIONAL P.S.I. 692 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020

8FJS 1760 RPM



IMPELLER DATA

IMPELLER NUMBER3692TYPESEMI-OPENTHRUST FACTORK=3.52EYE AREA3.18 SQ. IN.WEIGHT3.55 LB.

TRIM ANGLE: 0°

Minimum submergence above eye of bottom impeller: 14 IN.

NUMBER OF BOWLS: 1 2 3

CHANGE AS FOLLOWS: -3 -1 0 CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-2
BOWL MATERIAL:	-2	-2	-2	-5

FLANGED BOWL DATA

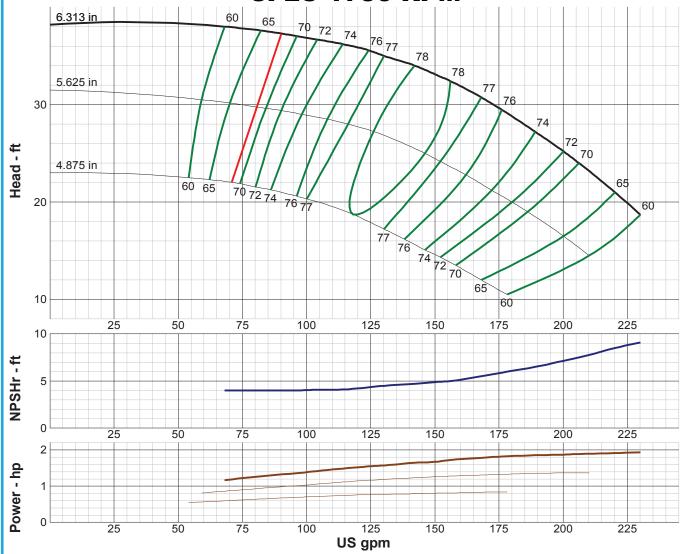
BOWL NUMBER 3629 **BOWL MAX. DIAMETER** 7.813 IN. **BOWL MIN. DIAMETER** 7.500 IN. MAX. NO. STAGES 42 130 LB. ONE STAGE WEIGHT 30 LB. ADD STAGE WEIGHT STD. SHAFT DIA. 1.000 IN. STD. LATERAL 0.438 IN. DISCHARGE SIZE 5 - 6 IN. DISCHARGE CONNECTION THD - FLG SUCTION SIZE 5 - 6 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 0.250 IN. MAX. OPERATIONAL P.S.I. 692 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020





IMPELLER DATA

IMPELLER NUMBER	3630
TYPE	ENCLOSED
THRUST FACTOR	K=2.98
EYE AREA	4.64 SQ. IN.
WEIGHT	5.75 LB.

TRIM ANGLE: 0°

Minimum submergence above eye of bottom impeller: 14 IN.

EFFICIENCY CORRECTION

NUMBER OF BOWLS:	1	2	3				
CHANGE AS FOLLOWS:	-4	-2	0				

CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-2
BOWL MATERIAL:	-2	-2	-2	-5

FLANGED BOWL DATA

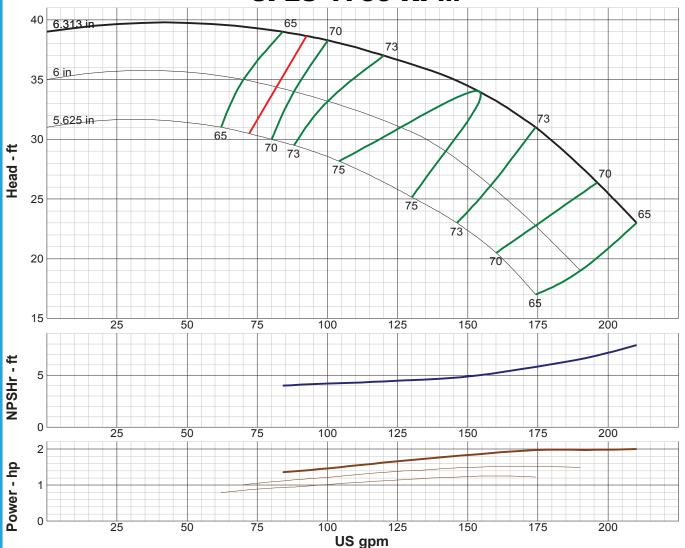
BOWL NUMBER 3629 **BOWL MAX. DIAMETER** 7.813 IN. **BOWL MIN. DIAMETER** 7.500 IN. MAX. NO. STAGES 130 LB. ONE STAGE WEIGHT ADD STAGE WEIGHT 30 LB. STD. SHAFT DIA. 1.000 IN. STD. LATERAL 0.438 IN. DISCHARGE SIZE 5 - 6 IN. DISCHARGE CONNECTION THD - FLG SUCTION SIZE 5 - 6 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 0.250 IN. 692 (SPECIAL) MAX. OPERATIONAL P.S.I.



SINGLE STAGE PERFORMANCE

JANAFARRY 2029





IMPELLER DATA

IMPELLER NUMBER3641TYPESEMI-OPENTHRUST FACTORK=3.34EYE AREA4.64 SQ. IN.WEIGHT4.25 LB.

TRIM ANGLE: 0°

Minimum submergence above eye of bottom impeller: 14IN.

EFFICIENCY CORRECTION

NUMBER OF BOWLS:	1	2	3	
CHANGE AS FOLLOWS:	-4	-2	0	

CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-2
BOWL MATERIAL:	-2	-2	-2	-5

FLANGED BOWL DATA

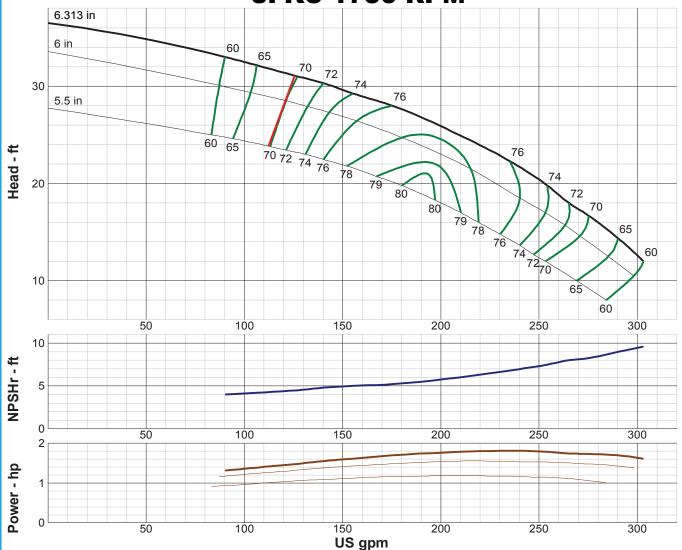
BOWL NUMBER 3629 **BOWL MAX. DIAMETER** 7.813 IN. **BOWL MIN. DIAMETER** 7.500 IN. MAX. NO. STAGES 130 LB. ONE STAGE WEIGHT ADD STAGE WEIGHT 30 LB. STD. SHAFT DIA. 1.000 IN. STD. LATERAL 0.438 IN. DISCHARGE SIZE 5 - 6 IN. DISCHARGE CONNECTION THD - FLG SUCTION SIZE 5 - 6 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 0.250 IN. MAX. OPERATIONAL P.S.I. 692 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020





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	-	 K I	141	4

IMPELLER NUMBER3680TYPEENCLOSEDTHRUST FACTORK=3.93EYE AREA5.72 SQ. IN.WEIGHT5.50 LB.

TRIM ANGLE: 18°

Minimum submergence above eye of bottom impeller: 18 IN.

NUMBER OF BOWLS: 1 2 3

CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTION

1 GIII IIIAI ERIAE EI I IGIERG I GORREGI IGR							
	DUCTILE	BRONZE	NI-R	STAINLESS			
IMPELLER MATERIAL:	-2	0	-1	-2			
BOWL MATERIAL:	-2	-2	-2	-5			

FLANGED BOWL DATA

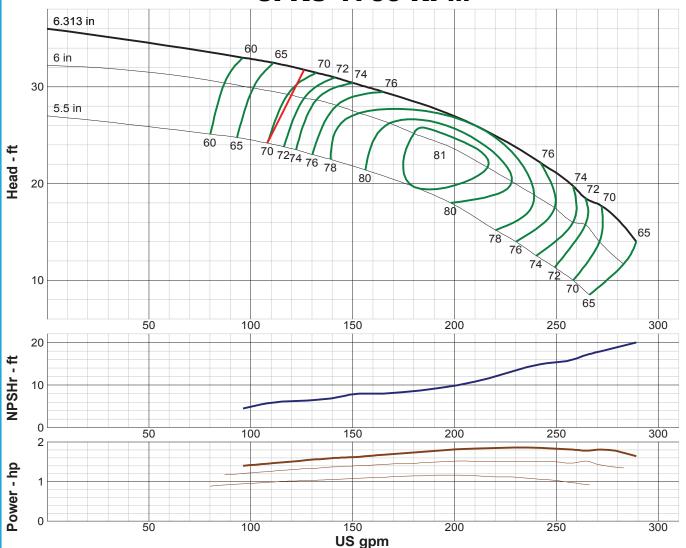
BOWL NUMBER 3591 **BOWL MAX. DIAMETER** 7.938 IN. **BOWL MIN. DIAMETER** 7.500 IN. MAX. NO. STAGES 130 LB. ONE STAGE WEIGHT ADD STAGE WEIGHT 30 LB. STD. SHAFT DIA. 1.000 IN. STD. LATERAL 0.438 IN. DISCHARGE SIZE 5 - 6 IN. DISCHARGE CONNECTION THD - FLG SUCTION SIZE 5 - 6 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 0.375 IN. MAX. OPERATIONAL P.S.I. 692 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020

8FKS 1760 RPM



IMPELLER DATA

IMPELLER NUMBER3693TYPESEMI-OPENTHRUST FACTORK=4.42EYE AREA6.60 SQ. IN.WEIGHT3.75 LB.

TRIM ANGLE: 18°

Minimum submergence above eye of bottom impeller: 20 IN.

EFFICIENCY CORRECTION

NUMBER OF BOWLS:	1	2	3	
CHANGE AS FOLLOWS:	-3	-1	0	

CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-2
BOWL MATERIAL:	-2	-2	-2	-5

FLANGED BOWL DATA

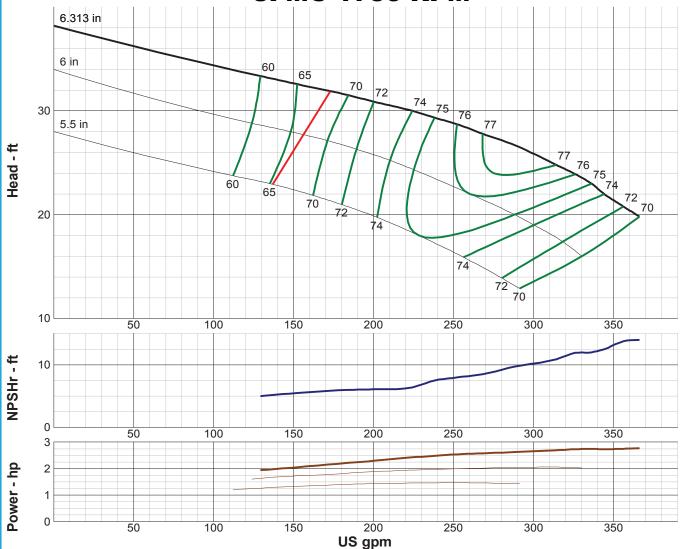
BOWL NUMBER 3591 **BOWL MAX. DIAMETER** 7.938 IN. **BOWL MIN. DIAMETER** 7.500 IN. MAX. NO. STAGES ONE STAGE WEIGHT 130 LB. ADD STAGE WEIGHT 30 LB. STD. SHAFT DIA. 1.000 IN. STD. LATERAL 0.438 IN. DISCHARGE SIZE 5 - 6 IN. DISCHARGE CONNECTION THD - FLG SUCTION SIZE 5 - 6 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 0.375 IN. MAX. OPERATIONAL P.S.I. 692 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020





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IMPELLER NUMBER	3589
TYPE	ENCLOSED
THRUST FACTOR	K=3.93
EYE AREA	6.50 SQ. IN.
WEIGHT	5.00 LB.

TRIM ANGLE: 27.5°

Minimum submergence above eye of bottom impeller: 22 IN.

EFFICIENCY CORRECTION					
NUMBER OF BOWLS:	1	2	3	4	5
CHANGE AS FOLLOWS:	-4	-3	-2	-1	0
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.					

PUMP MATERIAL EFFICIENCY CORRECTION						
DUCTILE BRONZE NI-R STAINLES						
IMPELLER MATERIAL:	-2	0	-1	-2		
BOWL MATERIAL:	-2	-2	-2	-5		

FLANGED BOWL DATA

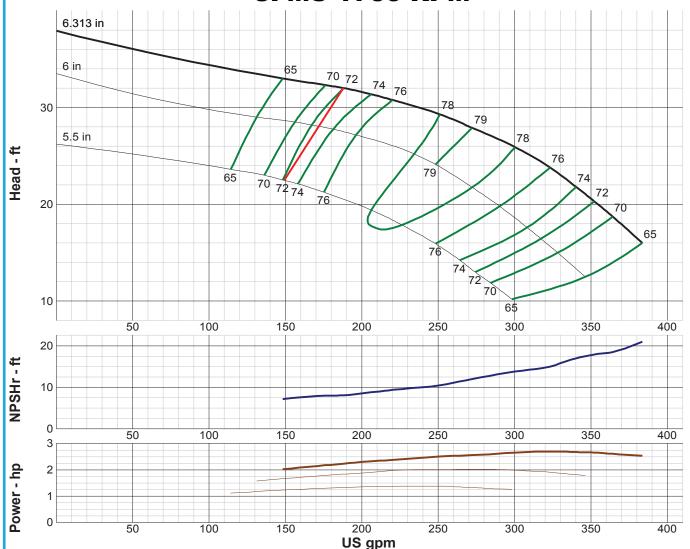
BOWL NUMBER	3591
BOWL MAX. DIAMETER	7.938 IN.
BOWL MIN. DIAMETER	7.500 IN.
MAX. NO. STAGES	23
ONE STAGE WEIGHT	130 LB.
ADD STAGE WEIGHT	30 LB.
STD. SHAFT DIA.	1.000 IN.
STD. LATERAL	0.438 IN.
DISCHARGE SIZE	5 - 6 IN.
DISCHARGE CONNECTION	THD - FLG
SUCTION SIZE	5 - 6 IN.
SUCTION CONNECTION	THD
MAX. SPHERE SIZE	0.375 IN.
MAX. OPERATIONAL P.S.I.	692 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020

8FMS 1760 RPM



IMPELLER DATA

IMPELLER NUMBER3590TYPESEMI-OPENTHRUST FACTORK=4.28EYE AREA6.60 SQ. IN.WEIGHT4.125 LB.

TRIM ANGLE: 27.5°

Minimum submergence above eye of bottom impeller: 24 IN.

NUMBER OF BOWLS: 1 2 3 4 5 CHANGE AS FOLLOWS: -4 -3 -2 -1 0 CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-2
BOWL MATERIAL:	-2	-2	-2	-5

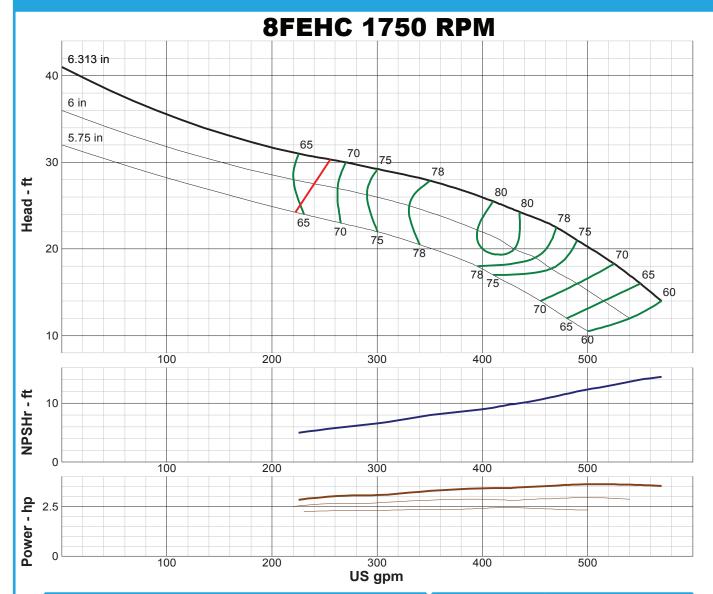
FLANGED BOWL DATA

BOWL NUMBER 3591 **BOWL MAX. DIAMETER** 7.938 IN. **BOWL MIN. DIAMETER** 7.500 IN. MAX. NO. STAGES 130 LB. ONE STAGE WEIGHT 30 LB. ADD STAGE WEIGHT STD. SHAFT DIA. 1.000 IN. STD. LATERAL 0.438 IN. DISCHARGE SIZE 5 - 6 IN. DISCHARGE CONNECTION THD - FLG SUCTION SIZE 5 - 6 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 0.375 IN. MAX. OPERATIONAL P.S.I. 692 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER DATA					
IMPELLER NUMBER TYPE THRUST FACTOR EYE AREA WEIGHT	2978 ENCLOSED K=5.40 8.33 SQ. IN. 5.00 LB.	Minimum submergence above			

EFFICIENCY CORRECTION						
NUMBER OF BOWLS:	1	2	3			
CHANGE AS FOLLOWS:	-3	-2	-1			
CHANGE IN EFFICIENCY MAY	CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.					

PUMP MATERIAL EFFICIENCY CORRECTION						
DUCTILE BRONZE NI-R STAINLESS						
IMPELLER MATERIAL:	-2	0	-1	-2		
BOWL MATERIAL:	-2	-2	-2	-5		

FLANGED BOWL DATA

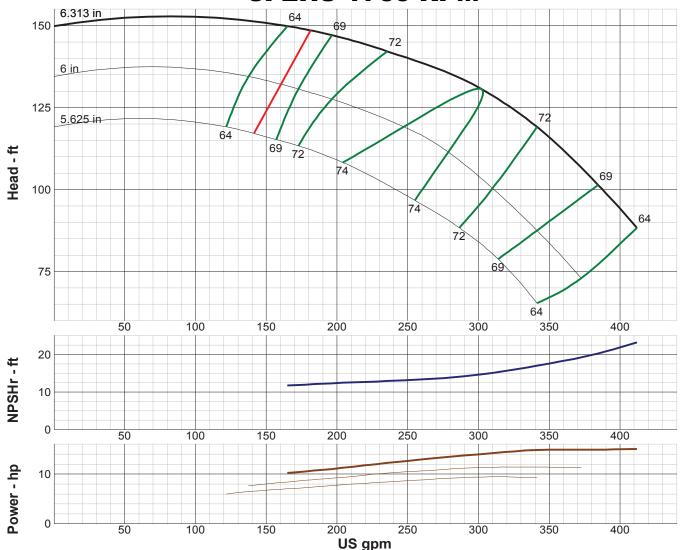
BOWL NUMBER 2883 **BOWL MAX. DIAMETER** 7.938 IN. **BOWL MIN. DIAMETER** 7.500 IN. MAX. NO. STAGES ONE STAGE WEIGHT 130 LB. ADD STAGE WEIGHT 30 LB. STD. SHAFT DIA. 1.188 IN. 0.375 IN. STD. LATERAL DISCHARGE SIZE 5 - 6 IN. DISCHARGE CONNECTION THD - FLG SUCTION SIZE 5 - 6 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 0.625 IN. 692 (SPECIAL) MAX. OPERATIONAL P.S.I.



SINGLE STAGE PERFORMANCE

APRIL 2020





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IMPELLER NUMBER 2981 **TYPE** SEMI-OPEN THRUST FACTOR K=5.40 **EYE AREA** 8.48 SQ. IN. WEIGHT 3.25 LB.

TRIM ANGLE: 29.5°

Minimum submergence above eye of bottom impeller: 24 IN.

EFFICIENCY CORRECTION

NUMBER OF BOWLS:	1	2	3	4	
CHANGE AS FOLLOWS:	-3	-2	-1	0	

CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS		
IMPELLER MATERIAL:	-2	0	-1	-2		
BOWL MATERIAL:	-2	-2	-2	-5		

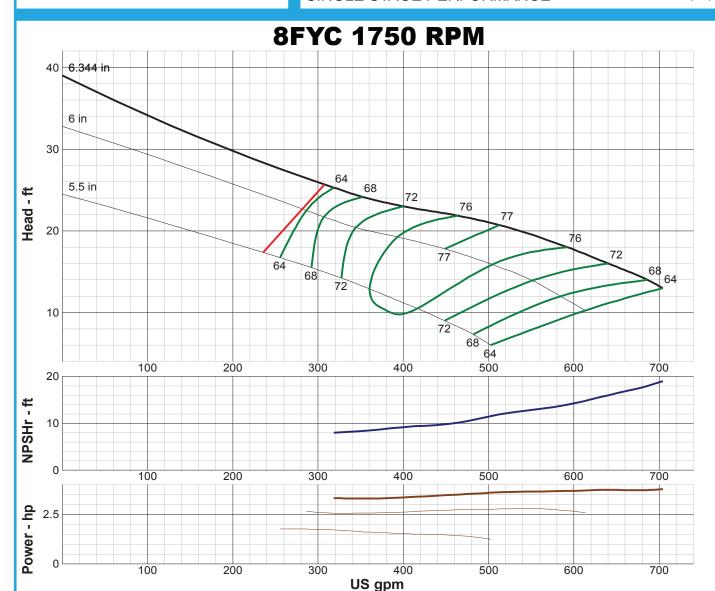
FLANGED BOWL DATA

BOWL NUMBER 2883 **BOWL MAX. DIAMETER** 7.938 IN. **BOWL MIN. DIAMETER** 7.500 IN. MAX. NO. STAGES 130 LB. ONE STAGE WEIGHT ADD STAGE WEIGHT 30 LB. STD. SHAFT DIA. 1.188 IN. 0.375 IN. STD. LATERAL DISCHARGE SIZE 5 - 6 IN. DISCHARGE CONNECTION THD SUCTION SIZE 5 - 6 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 0.625 IN. MAX. OPERATIONAL P.S.I. 692 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER DATA						
IMPELLER NUMBER TYPE THRUST FACTOR EYE AREA WEIGHT	5502 ENCLOSED K=8.00 15.9 SQ. IN. 5.25 LB.	TRIM ANGLE: 37° Minimum submergence above eye of bottom impeller: 28 IN.				
EE	EICIENCY C	OBBECTION				

EFFICIENCY CORRECTION							
NUMBER OF BOWLS:	1	2	3	4			
CHANGE AS FOLLOWS:	-3	-2	-1	0			
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.							

PUMP MATERIAL EFFICIENCY CORRECTION						
	DUCTILE	BRONZE	NI-R	STAINLESS		
IMPELLER MATERIAL:	-2	0	-1	-2		
BOWL MATERIAL:	-2	-2	-2	-5		

FLANGED BOWL DATA

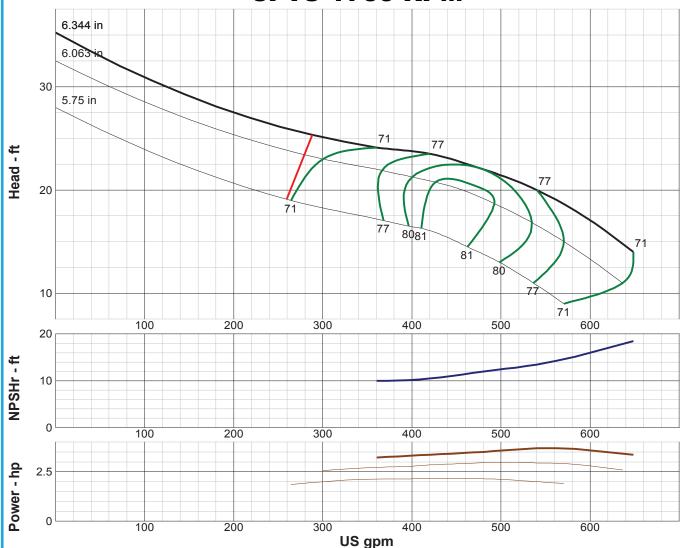
BOWL NUMBER 5503 **BOWL MAX. DIAMETER** 7.938 IN. **BOWL MIN. DIAMETER** 7.500 IN. MAX. NO. STAGES ONE STAGE WEIGHT 139 LB. ADD STAGE WEIGHT 39 LB. STD. SHAFT DIA. 1.188 IN. STD. LATERAL 0.375 IN. DISCHARGE SIZE 5 - 6 IN. DISCHARGE CONNECTION THD - FLG SUCTION SIZE 5 - 6 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 1.125 IN. MAX. OPERATIONAL P.S.I. 692 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020

8FYS 1760 RPM



IMPELLER NUMBER5506TYPESEMI-OPENTHRUST FACTORK=8.00EYE AREA15.9 SQ. IN.WEIGHT5.00 LB.

TRIM ANGLE: 37°

Minimum submergence above eye of bottom impeller: 30 IN.

EFFICIENCY CORRECTION

NUMBER OF BOWLS:	1	2	3	4	
CHANGE AS FOLLOWS:	-3	-2	-1	0	

CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS		
IMPELLER MATERIAL:	-2	0	-1	-2		
BOWL MATERIAL:	-2	-2	-2	-5		

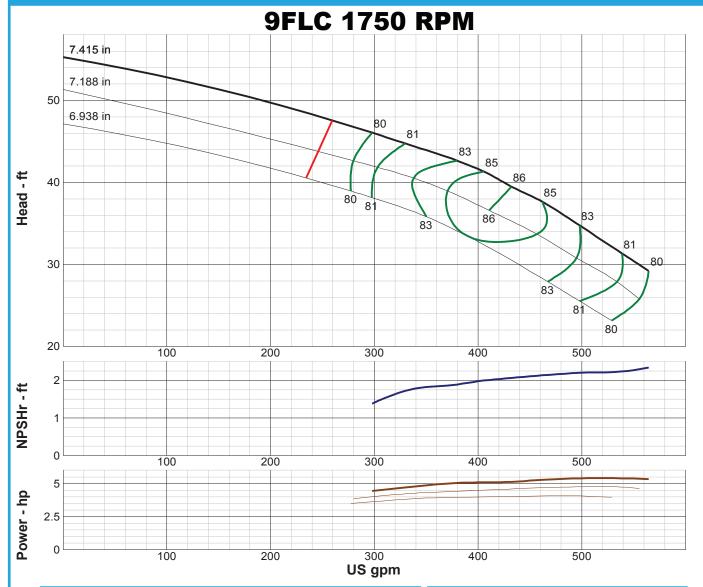
FLANGED BOWL DATA

BOWL NUMBER 5503 **BOWL MAX. DIAMETER** 7.938 IN. **BOWL MIN. DIAMETER** 7.500 IN. MAX. NO. STAGES 139 LB. ONE STAGE WEIGHT ADD STAGE WEIGHT 39 LB. STD. SHAFT DIA. 1.188 IN. STD. LATERAL 0.375 IN. DISCHARGE SIZE 5 - 6 IN. DISCHARGE CONNECTION THD - FLG SUCTION SIZE 5 - 6 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 1.125 IN. MAX. OPERATIONAL P.S.I. 692 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER DATA						
IMPELLER NUMBER TYPE THRUST FACTOR EYE AREA WEIGHT	7747 ENCLOSED K=4.90 12.4 SQ. IN. 8.20 LB.	TRIM ANGLE: 17° Minimum submergence above eye of bottom impeller: 30 IN.				

EFFICIENCY CORRECTION						
NUMBER OF BOWLS:	1	2	3			
CHANGE AS FOLLOWS:	-2	-1	-0.5			
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER						

PUMP MATERIAL EFFICIENCY CORRECTION						
	DUCTILE	BRONZE	NI-R	STAINLESS		
IMPELLER MATERIAL:	-1	0	-1	-2		
BOWL MATERIAL:	-2	-2	-1	-3		

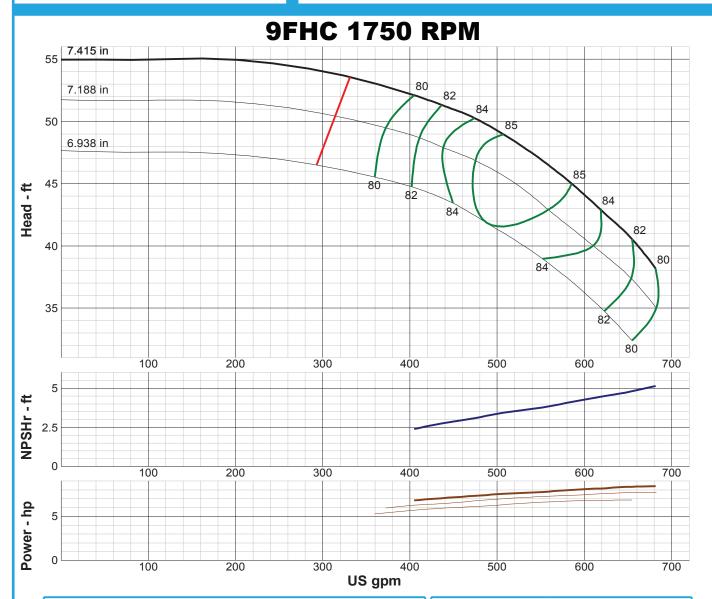
FLANGED BOWL DATA

BOWL NUMBER 7038 **BOWL MAX. DIAMETER** 9.438 IN. **BOWL MIN. DIAMETER** 9.250 IN. MAX. NO. STAGES 145 LB. ONE STAGE WEIGHT ADD STAGE WEIGHT 50 LB. STD. SHAFT DIA. 1.500 IN. STD. LATERAL 0.875 IN. DISCHARGE SIZE 6 - 8 IN. DISCHARGE CONNECTION THD - FLG SUCTION SIZE 6 - 8 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 1.125 IN. 595 (SPECIAL) MAX. OPERATIONAL P.S.I.



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER NUMBER 7756 TRIM ANGLE: 17° TYPE ENCLOSED Harden State From the state of		IMPELLE	R DATA
	TYPE THRUST FACTOR EYE AREA	ENCLOSED K=3.10 12.4 SQ. IN.	Minimum submergence above

EFFICIENCY CORRECTION						
NUMBER OF BOWLS:	1	2	3			
CHANGE AS FOLLOWS:	-2	-1	-0.5			
CHANGE IN EFFICIENCY MAY	/ AFFECT	BOTH HE		HODSEDO)///ED	

PUMP MATERIAL EFFICIENCY CORRECTION						
	DUCTILE	BRONZE	NI-R	STAINLESS		
IMPELLER MATERIAL:	-1	0	-1	-2		
BOWL MATERIAL:	-2	-2	-1	-3		

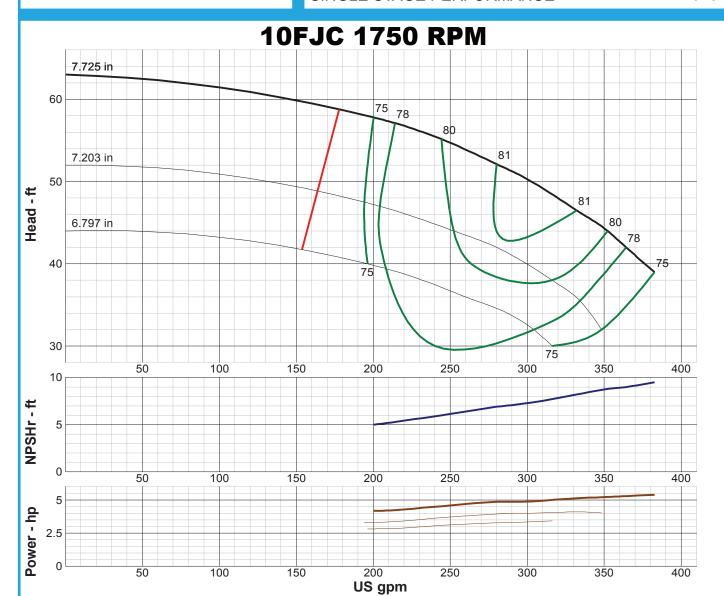
FLANGED BOWL DATA

BOWL NUMBER 7038 **BOWL MAX. DIAMETER** 9.438 IN. **BOWL MIN. DIAMETER** 9.250 IN. MAX. NO. STAGES ONE STAGE WEIGHT 145 LB. ADD STAGE WEIGHT 50 LB. STD. SHAFT DIA. 1.500 IN. 0.875 IN. STD. LATERAL DISCHARGE SIZE 6 - 8 IN. DISCHARGE CONNECTION THD - FLG SUCTION SIZE 6 - 8 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 1.125 IN. 595 (SPECIAL) MAX. OPERATIONAL P.S.I.



SINGLE STAGE PERFORMANCE

APRIL 2020



	IMPELLE	R DATA
IMPELLER NUMBER TYPE THRUST FACTOR EYE AREA WEIGHT	3094 ENCLOSED K=3.98 7.89 SQ. IN. 9.25 LB.	TRIM ANGLE: 25.5° Minimum submergence above eye of bottom impeller: 32 IN.

EFFICIENCY CORRECTION					
NUMBER OF BOWLS:	1	2	3	4	5
CHANGE AS FOLLOWS:	-5	-4	-3	-1	0
CHANGE IN EFFICIENCY MAY	Y AFFECT	BOTH HE	EAD AND	HORSEPO	WER.

PUMP MATERIAL EFFICIENCY CORRECTION						
DUCTILE BRONZE NI-R STAINLESS						
IMPELLER MATERIAL:	-1	0	-1	-2		
BOWL MATERIAL:	-2	-2	-1	-3		

FLANGED BOWL DATA

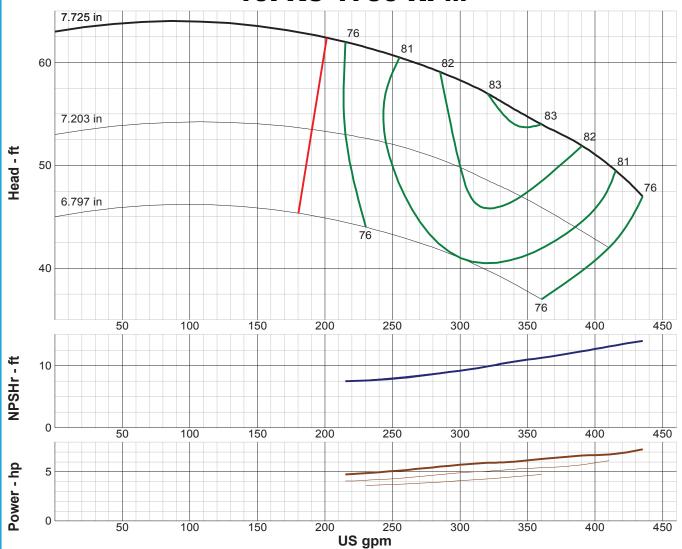
BOWL NUMBER 3096 **BOWL MAX. DIAMETER** 9.875 IN. **BOWL MIN. DIAMETER** 9.500 IN. MAX. NO. STAGES ONE STAGE WEIGHT 230 LB. ADD STAGE WEIGHT 55 LB. STD. SHAFT DIA. 1.500 IN. STD. LATERAL 0.500 IN. DISCHARGE SIZE 6 - 8 IN. DISCHARGE CONNECTION THD - FLG SUCTION SIZE 6 - 8 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 0.438 IN. 595 (SPECIAL) MAX. OPERATIONAL P.S.I.



SINGLE STAGE PERFORMANCE

APRIL 2020

10FKC 1750 RPM



IMP	ELL	ER	DATA

IMPELLER NUMBER	3095
TYPE	ENCLOSED
THRUST FACTOR	K=4.20
EYE AREA	7.89 SQ. IN.
WEIGHT	9.50 LB.

TRIM ANGLE: 25.5°

Minimum submergence above eye of bottom impeller: 32 IN.

EFFICIENCY CORRECTION						
NUMBER OF BOWLS:	1	2	3	4	5	
CHANGE AS FOLLOWS:	-5	-4	-3	-1	0	
CHANGE IN EFFICIENCY MAY	Y AFFECT	ВОТН НЕ	AD AND	HORSEPO	WER.	

PUMP MATERIAL EFFICIENCY CORRECTION						
DUCTILE BRONZE NI-R STAINLESS						
IMPELLER MATERIAL:	-1	0	-1	-2		
BOWL MATERIAL:	-2	-2	-1	-3		

FLANGED BOWL DATA

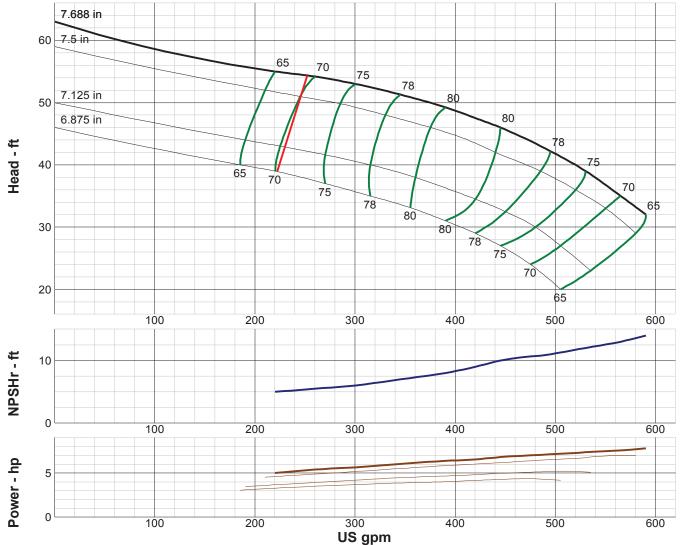
BOWL NUMBER	3096
BOWL MAX. DIAMETER	9.875 IN.
BOWL MIN. DIAMETER	9.500 IN.
MAX. NO. STAGES	33
ONE STAGE WEIGHT	230 LB.
ADD STAGE WEIGHT	55 LB.
STD. SHAFT DIA.	1.500 IN.
STD. LATERAL	0.500 IN.
DISCHARGE SIZE	6 - 8 IN.
DISCHARGE CONNECTION	THD - FLG
SUCTION SIZE	6 - 8 IN.
SUCTION CONNECTION	THD
MAX. SPHERE SIZE	0.438 IN.
MAX. OPERATIONAL P.S.I.	595 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020





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WEIGHT 9.75

TRIM ANGLE: 20°

Minimum submergence above eye of bottom impeller: 36 IN.

EFFIC	ENCY	CORRI	ECTION	1
NUMBER OF BOWLS:	1	2	3	4

CHANGE AS FOLLOWS: -4 -2 -1 0 CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATER	RIAL EFFI	CIENCY	CORRE	CTION
	DUCTILE	BRONZE	NI-R	STAINLESS

	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-1	0	-1	-2
BOWL MATERIAL:	-2	-2	-1	-3

FLANGED BOWL DATA

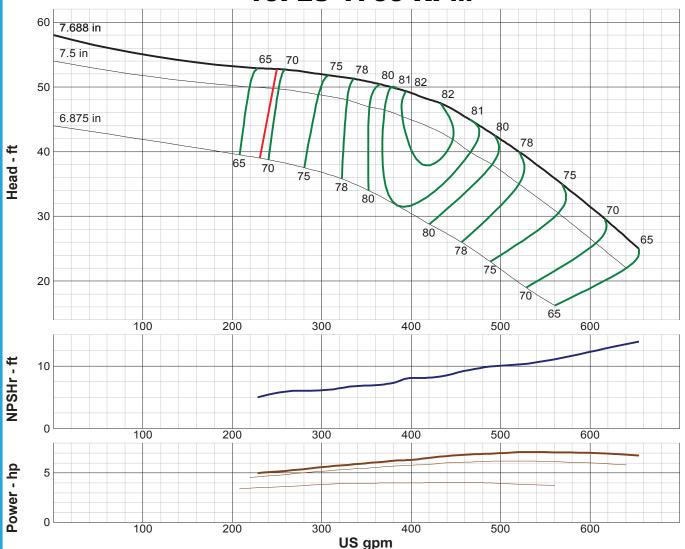
BOWL NUMBER	3098
BOWL MAX. DIAMETER	9.500 IN.
BOWL MIN. DIAMETER	9.250 IN.
MAX. NO. STAGES	34
ONE STAGE WEIGHT	230 LB.
ADD STAGE WEIGHT	55 LB.
STD. SHAFT DIA.	1.500 IN.
STD. LATERAL	0.563 IN.
DISCHARGE SIZE	6 - 8 IN.
DISCHARGE CONNECTION	THD - FLG
SUCTION SIZE	6 - 8 IN.
SUCTION CONNECTION	THD
MAX. SPHERE SIZE	0.500 IN.
MAX. OPERATIONAL P.S.I.	595 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020

10FLS 1760 RPM



IMPELLER DATA

IMPELLER NUMBER3103TYPESEMI-OPENTHRUST FACTORK=7.50EYE AREA11.7 SQ. IN.WEIGHT6.25 LB.

TRIM ANGLE: 20°

Minimum submergence above eye of bottom impeller: 38 IN.

EFFICIENCY CORRECTION

NUMBER OF BOWLS:	1	2	3	4	
CHANGE AS FOLLOWS:	-4	-2	-1	0	

CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-1	0	-1	-2
BOWL MATERIAL:	-2	-2	-1	-3

FLANGED BOWL DATA

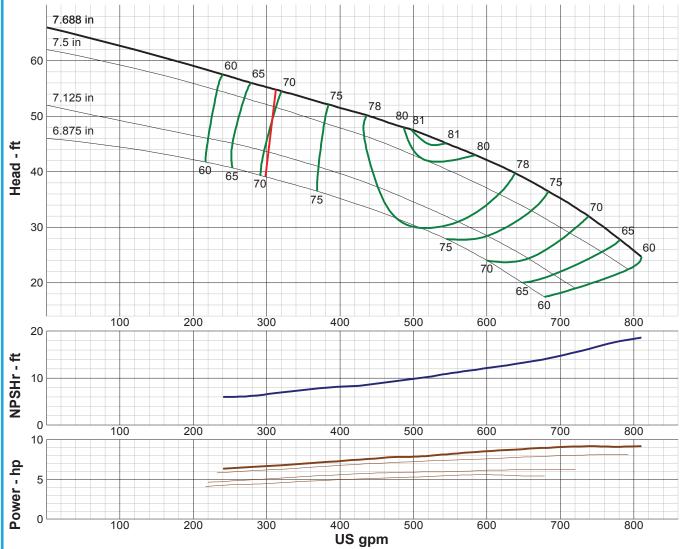
BOWL NUMBER 3098 **BOWL MAX. DIAMETER** 9.500 IN. **BOWL MIN. DIAMETER** 9.250 IN. MAX. NO. STAGES 230 LB. ONE STAGE WEIGHT ADD STAGE WEIGHT 55 LB. STD. SHAFT DIA. 1.500 IN. STD. LATERAL 0.500 IN. DISCHARGE SIZE 6 - 8 IN. DISCHARGE CONNECTION THD - FLG SUCTION SIZE 6 - 8 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 0.500 IN. MAX. OPERATIONAL P.S.I. 595 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020





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TRIM ANGLE: 26°

Minimum submergence above eye of bottom impeller: 36 IN.

EFFICIENCY CORRECTION

NUMBER OF BOWLS:	1	2	3	4	
CHANGE AS FOLLOWS:	-5	-2	-1	0	
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CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-1	0	-1	-2
BOWL MATERIAL:	-2	-2	-1	-3

FLANGED BOWL DATA

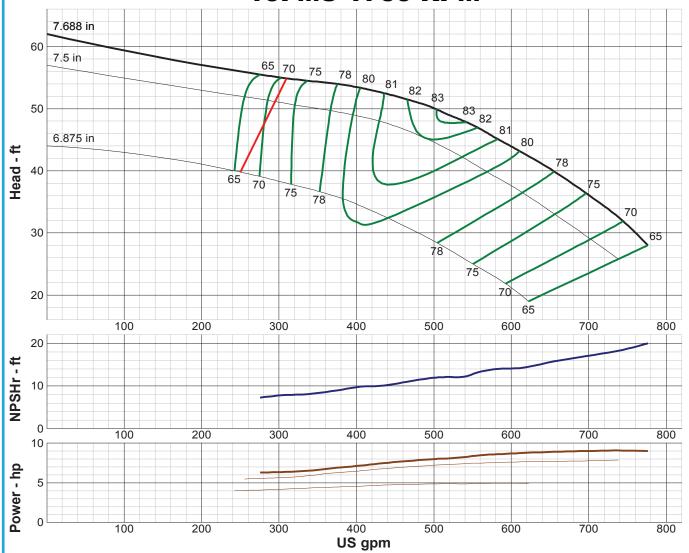
BOWL NUMBER 3098 **BOWL MAX. DIAMETER** 9.500 IN. **BOWL MIN. DIAMETER** 9.250 IN. MAX. NO. STAGES 230 LB. ONE STAGE WEIGHT ADD STAGE WEIGHT 55 LB. STD. SHAFT DIA. 1.500 IN. 0.625 IN. STD. LATERAL DISCHARGE SIZE 6 - 8 IN. DISCHARGE CONNECTION THD - FLG SUCTION SIZE 6 - 8 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 0.625 IN. 595 (SPECIAL) MAX. OPERATIONAL P.S.I.



SINGLE STAGE PERFORMANCE

APRIL 2020

10FMS 1760 RPM



IMPELLER DATA

IMPELLER NUMBER 3099 **TYPE** SEMI-OPEN THRUST FACTOR K=7.50 **EYE AREA** 11.7 SQ. IN. WEIGHT 5.75 LB.

TRIM ANGLE: 33.25°

Minimum submergence above eye of bottom impeller: 38 IN.

EFFICIENCY CORRECTION

NUMBER OF BOWLS:	1	2	3	4		
CHANGE AS FOLLOWS:	-4	-2	-1	0		

CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-1	0	-1	-2
BOWL MATERIAL:	-2	-2	-1	-3

FLANGED BOWL DATA

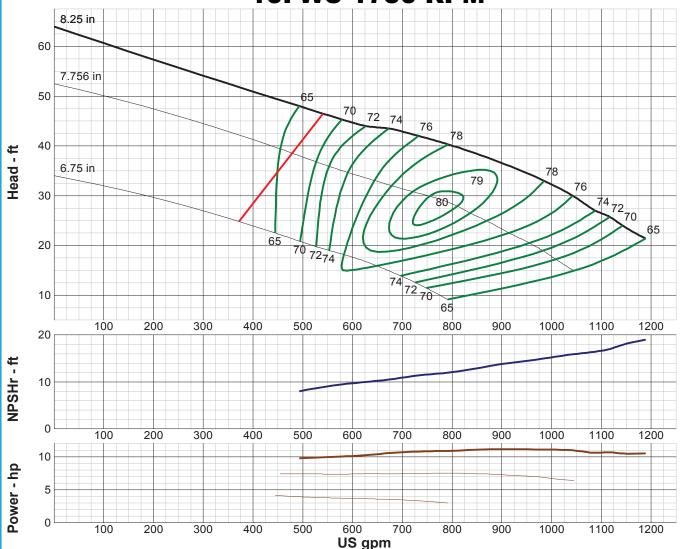
BOWL NUMBER 3098 **BOWL MAX. DIAMETER** 9.500 IN. **BOWL MIN. DIAMETER** 9.250 IN. MAX. NO. STAGES 230 LB. ONE STAGE WEIGHT 55 LB. ADD STAGE WEIGHT STD. SHAFT DIA. 1.500 IN. STD. LATERAL 0.625 IN. DISCHARGE SIZE 6 - 8 IN. DISCHARGE CONNECTION THD - FLG SUCTION SIZE 6 - 8 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 0.625 IN. MAX. OPERATIONAL P.S.I. 595 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020





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IMPELLER NUMBER3577TYPEENCLOSEDTHRUST FACTORK=10.30EYE AREA19.4 SQ. IN.WEIGHT11.50 LB.

TRIM ANGLE: 33.25°

Minimum submergence above eye of bottom impeller: 28 IN.

EFFICIENCY CORRECTION

NUMBER OF BOWLS:	1	2	3	4	
CHANGE AS FOLLOWS:	-4	-2	-1	0	

CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-1	0	-1	-2
BOWL MATERIAL:	-2	-2	-1	-3

FLANGED BOWL DATA

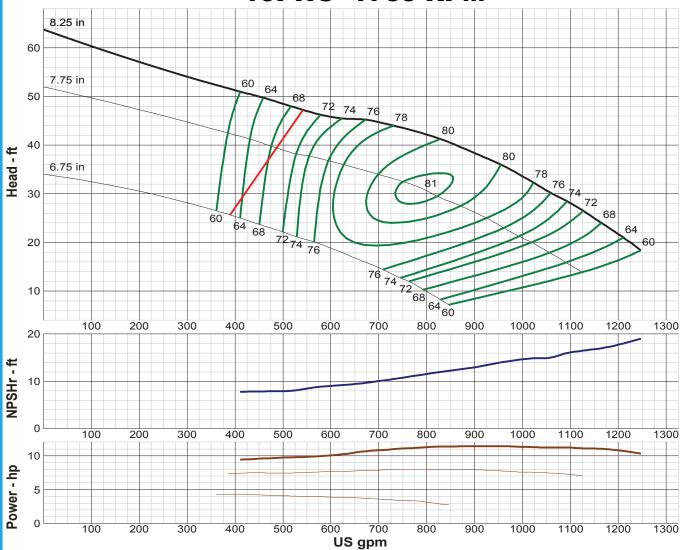
BOWL NUMBER 3541 **BOWL MAX. DIAMETER** 9.875 IN. **BOWL MIN. DIAMETER** 9.500 IN. MAX. NO. STAGES 250 LB. ONE STAGE WEIGHT 60 LB. ADD STAGE WEIGHT STD. SHAFT DIA. 1.688 IN. STD. LATERAL 0.875 IN. DISCHARGE SIZE 6 - 8 IN. DISCHARGE CONNECTION THD - FLG SUCTION SIZE 6 - 8 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 0.875 IN. MAX. OPERATIONAL P.S.I. 455 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020

10FWS 1760 RPM



IMPELLER DATA

IMPELLER NUMBER3542TYPESEMI-OPENTHRUST FACTORK=11.20EYE AREA19.4 SQ. IN.WEIGHT7.25 LB.

TRIM ANGLE: 33.25°

Minimum submergence above eye of bottom impeller: 28 IN.

NUMBER OF BOWLS: 1 2 3 4 CHANGE AS FOLLOWS: -4 -2 -1 0 CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTION					
	DUCTILE	BRONZE	NI-R	STAINLESS	
IMPELLER MATERIAL:	-1	0	-1	-2	
BOWL MATERIAL:	-2	-2	-1	-3	

FLANGED BOWL DATA

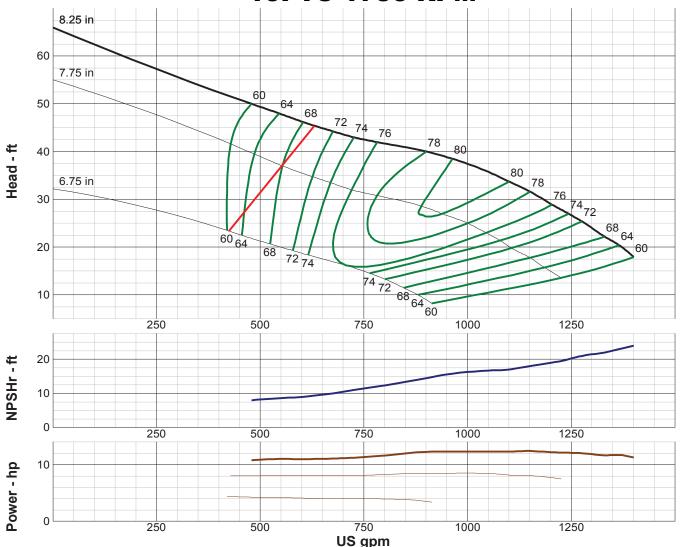
BOWL NUMBER 3541 **BOWL MAX. DIAMETER** 9.875 IN. **BOWL MIN. DIAMETER** 9.500 IN. MAX. NO. STAGES 250 LB. ONE STAGE WEIGHT 60 LB. ADD STAGE WEIGHT STD. SHAFT DIA. 1.688 IN. STD. LATERAL 0.875 IN. DISCHARGE SIZE 6 - 8 IN. DISCHARGE CONNECTION THD - FLG SUCTION SIZE 6 - 8 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 0.875 IN. MAX. OPERATIONAL P.S.I. 455 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020





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IMPELLER NUMBER3540TYPEENCLOSEDTHRUST FACTORK=10.30EYE AREA19.4 SQ. IN.WEIGHT11.00 LB.

TRIM ANGLE: 33.25°

Minimum submergence above eye of bottom impeller: 40 IN.

NUMBER OF BOWLS: 1 2 3 4 CHANGE AS FOLLOWS: -4 -2 -1 0

CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTION					
	DUCTILE	BRONZE	NI-R	STAINLESS	
IMPELLER MATERIAL:	-1	0	-1	-2	
BOWL MATERIAL:	-2	-2	-1	-3	

FLANGED BOWL DATA

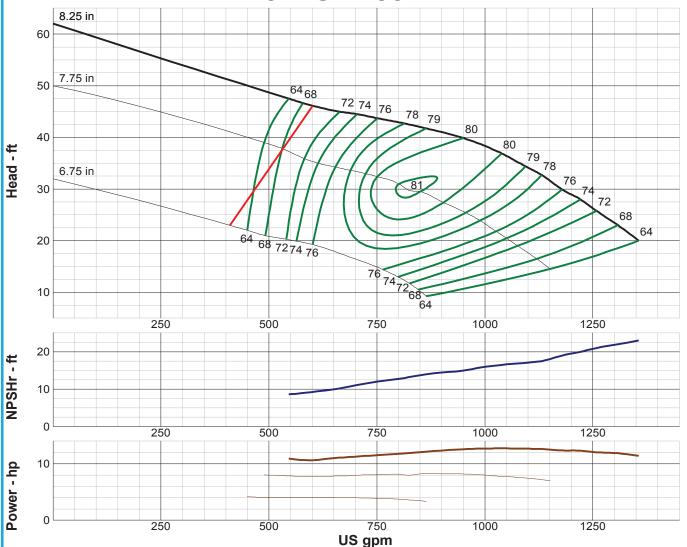
BOWL NUMBER BOWL MAX. DIAMETER 9.875 IN. **BOWL MIN. DIAMETER** 9.500 IN. MAX. NO. STAGES 250 LB. ONE STAGE WEIGHT 60 LB. ADD STAGE WEIGHT STD. SHAFT DIA. 1.688 IN. STD. LATERAL 0.750 IN. DISCHARGE SIZE 6 - 8 IN. DISCHARGE CONNECTION THD - FLG SUCTION SIZE 6 - 8 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 0.875 IN. MAX. OPERATIONAL P.S.I. 455 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020





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IMPELLER NUMBER3542TYPESEMI-OPENTHRUST FACTORK=11.40EYE AREA19.4 SQ. IN.WEIGHT7.25 LB.

TRIM ANGLE: 33.25°

Minimum submergence above eye of bottom impeller: 28IN.

EFFICIENCY CORRECTION NUMBER OF BOWLS: 1 2 3 4 CHANGE AS FOLLOWS: -4 -2 -1 0

CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTIONDUCTILEBRONZENI-RSTAINLESSIMPELLER MATERIAL:-10-1-2BOWL MATERIAL:-2-2-1-3

FLANGED BOWL DATA

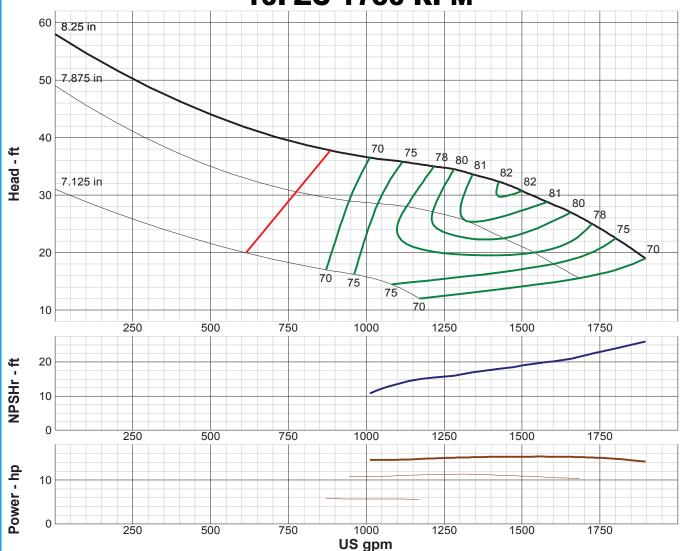
BOWL NUMBER 3541 **BOWL MAX. DIAMETER** 9.875 IN. **BOWL MIN. DIAMETER** 9.500 IN. MAX. NO. STAGES 250 LB. ONE STAGE WEIGHT ADD STAGE WEIGHT 60 LB. STD. SHAFT DIA. 1.688 IN. STD. LATERAL 0.750 IN. DISCHARGE SIZE 6 - 8 IN. DISCHARGE CONNECTION THD - FLG SUCTION SIZE 6 - 8 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 0.875 IN. MAX. OPERATIONAL P.S.I. 455 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020





IMPELLER DATA

IMPELLER NUMBER TYPE	3862 ENCLOSED
THRUST FACTOR	K=13.60
EYE AREA	26.7 SQ. IN.
WEIGHT	9.75 LB.

TRIM ANGLE: 42°

Minimum submergence above eye of bottom impeller: 30 IN.

EFFIC	ENCY	CORRI	ECTION	1	
NUMBER OF BOWLS:	1	2	3	4	5
CHANGE AS FOLLOWS:	-6	-5	-3	-1	0

CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER. PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-1	0	-1	-2
BOWL MATERIAL:	-2	-2	-1	-3

FLANGED BOWL DATA

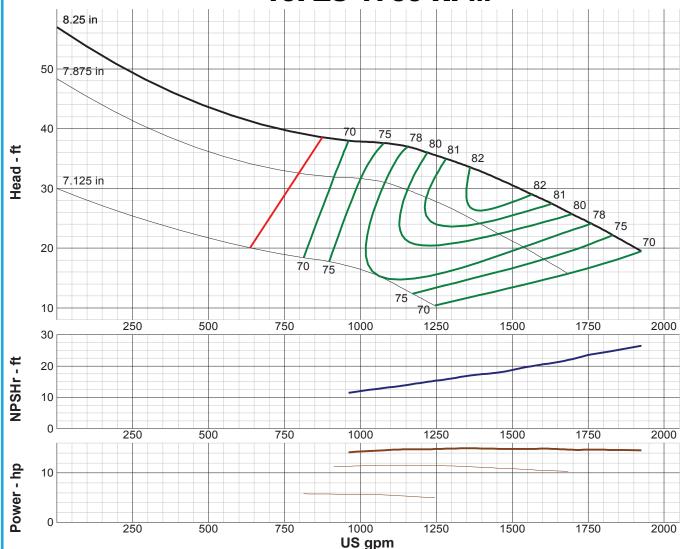
BOWL NUMBER	3864
BOWL MAX. DIAMETER	9.875 IN.
BOWL MIN. DIAMETER	9.500 IN.
MAX. NO. STAGES	26
ONE STAGE WEIGHT	250 LB.
ADD STAGE WEIGHT	60 LB.
STD. SHAFT DIA.	1.688 IN.
STD. LATERAL	0.500 IN.
DISCHARGE SIZE	6 - 8 IN.
DISCHARGE CONNECTION	THD - FLG
SUCTION SIZE	6 - 8 IN.
SUCTION CONNECTION	THD
MAX. SPHERE SIZE	1.438 IN.
MAX. OPERATIONAL P.S.I.	455 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020

10FZS 1760 RPM



IMPELLER DATA

IMPELLER NUMBER3863TYPESEMI-OPENTHRUST FACTORK=13.50EYE AREA26.7 SQ. IN.WEIGHT5.75 LB.

TRIM ANGLE: 42°

Minimum submergence above eye of bottom impeller: 30 IN.

EFFICIENCY CORRECTION NUMBER OF BOWLS: 1 2 3 4 5 CHANGE AS FOLLOWS: -5 -4 -2 -1 0

CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTION				
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-1	0	-1	-2
BOWL MATERIAL:	-2	-2	-1	-3

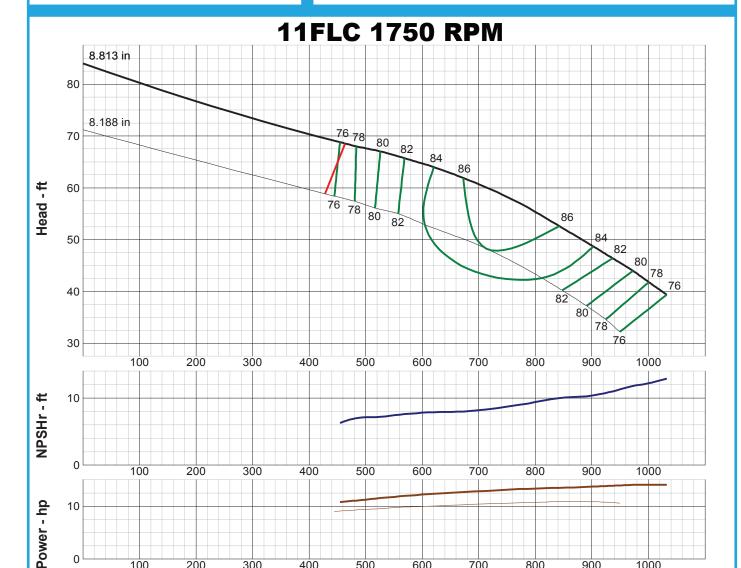
FLANGED BOWL DATA

BOWL NUMBER 3864 **BOWL MAX. DIAMETER** 9.875 IN. **BOWL MIN. DIAMETER** 9.500 IN. MAX. NO. STAGES 250 LB. ONE STAGE WEIGHT 60 LB. ADD STAGE WEIGHT STD. SHAFT DIA. 1.688 IN. STD. LATERAL 0.500 IN. DISCHARGE SIZE 6 - 8 IN. DISCHARGE CONNECTION THD - FLG SUCTION SIZE 6 - 8 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 1.438 IN. MAX. OPERATIONAL P.S.I. 455 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020



500

US gpm

600

700

IMPELLER NUMBER0183TRIM ANGLE: 23°TYPEENCLOSEDTHRUST FACTORK=7.90EYE AREA17.7 SQ. IN.WEIGHT15.40 LB. TRIM ANGLE: 23° Minimum submergence above eye of bottom impeller: 24 IN.	IMPELLER DATA							
	TYPE THRUST FACTOR EYE AREA	ENCLOSED K=7.90 17.7 SQ. IN.	Minimum submergence above					

300

400

100

200

EFFICIENCY CORRECTION							
NUMBER OF BOWLS:	1	2	3	4			
CHANGE AS FOLLOWS:	-3	-2	-1	0			
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.							

PUMP MATERIAL EFFICIENCY CORRECTION						
DUCTILE BRONZE NI-R STAINLESS						
IMPELLER MATERIAL:	-1	0	-1	-2		
BOWL MATERIAL:	-2	-1	-1	-2		

FLANGED BOWL DATA

900

800

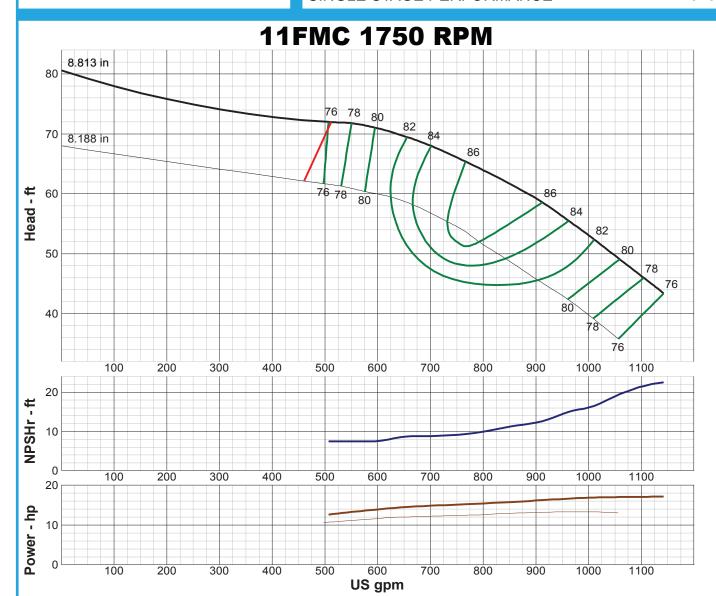
1000

BOWL NUMBER BOWL MAX. DIAMETER 11.188 IN. BOWL MIN. DIAMETER 11.000 IN. MAX. NO. STAGES ONE STAGE WEIGHT 235 LB. ADD STAGE WEIGHT 105 LB. STD. SHAFT DIA. 1.688 IN. STD. LATERAL 0.750 IN. DISCHARGE SIZE 8 IN. DISCHARGE CONNECTION THD - FLG SUCTION SIZE 8 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 0.500 IN. 585 (SPECIAL) MAX. OPERATIONAL P.S.I.



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER DATA							
IMPELLER NUMBER TYPE THRUST FACTOR EYE AREA WEIGHT	0184 ENCLOSED K=7.80 17.7 SQ. IN. 15.50 LB.	TRIM ANGLE: 23° Minimum submergence above eye of bottom impeller: 24 IN.					

EFFICIENCY CORRECTION								
NUMBER OF BOWLS:	1	2	3	4				
CHANGE AS FOLLOWS:	-3	-2	-1	0				
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER								

PUMP MATERIAL EFFICIENCY CORRECTION						
	DUCTILE	BRONZE	NI-R	STAINLESS		
IMPELLER MATERIAL:	-1	0	-1	-2		
BOWL MATERIAL:	-2	-1	-1	-2		

FLANGED BOWL DATA

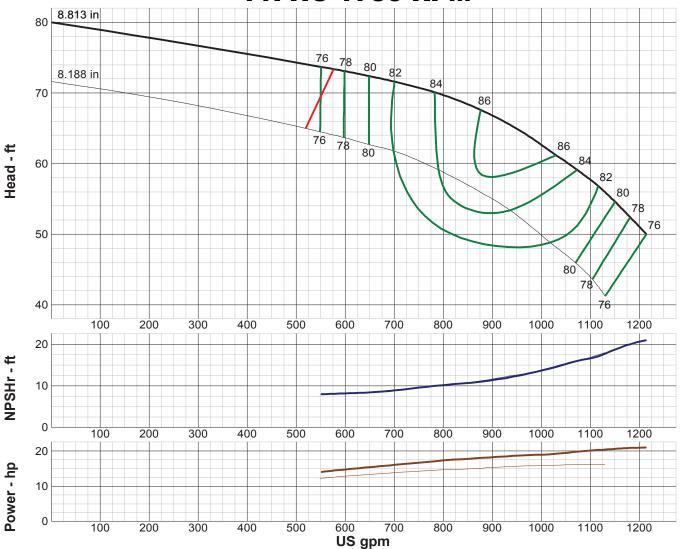
BOWL NUMBER BOWL MAX. DIAMETER 11.188 IN. BOWL MIN. DIAMETER 11.000 IN. MAX. NO. STAGES ONE STAGE WEIGHT 235 LB. ADD STAGE WEIGHT 105 LB. STD. SHAFT DIA. 1.688 IN. STD. LATERAL 0.750 IN. DISCHARGE SIZE 8 IN. DISCHARGE CONNECTION THD - FLG SUCTION SIZE 8 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 0.500 IN. MAX. OPERATIONAL P.S.I. 585 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020





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IMPELLER NUMBER 0185 **TYPE ENCLOSED** THRUST FACTOR K=7.40 **EYE AREA** 17.7 SQ. IN. WEIGHT 15.50 LB.

TRIM ANGLE: 23°

Minimum submergence above eye of bottom impeller: 24 IN.

EFFICIENCY CORRECTION

NUMBER OF BOWLS:	7	2	3	4		
CHANGE AS FOLLOWS:	-3	-2	-1	0		

CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS			
IMPELLER MATERIAL:	-1	0	-1	-2			
BOWL MATERIAL:	-2	-1	-1	-2			

FLANGED BOWL DATA

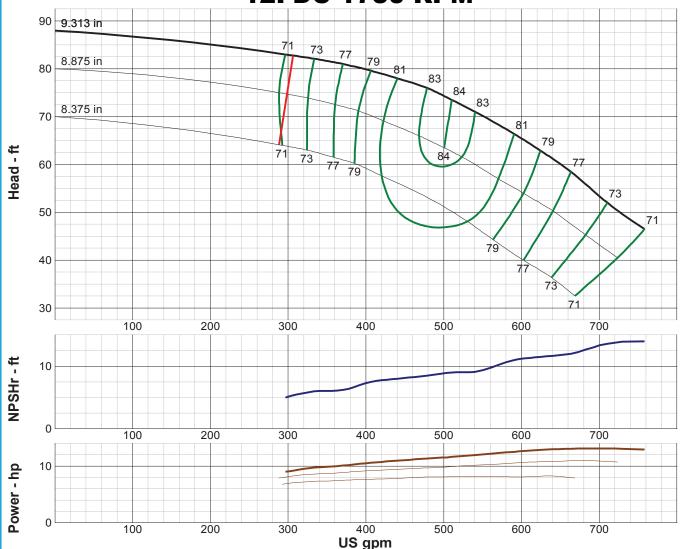
BOWL NUMBER BOWL MAX. DIAMETER 11.188 IN. **BOWL MIN. DIAMETER** 11.000 IN. MAX. NO. STAGES 235 LB. ONE STAGE WEIGHT ADD STAGE WEIGHT 105 LB. STD. SHAFT DIA. 1.688 IN. STD. LATERAL 0.750 IN. DISCHARGE SIZE 8 IN. DISCHARGE CONNECTION THD - FLG SUCTION SIZE 8 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 0.500 IN. MAX. OPERATIONAL P.S.I. 585 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020





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IMPELLER NUMBER2995TYPEENCLOSEDTHRUST FACTORK=5.13EYE AREA15.9 SQ. IN.WEIGHT14.25 LB.

TRIM ANGLE: 25°

Minimum submergence above eye of bottom impeller: 24 IN.

EFFICIENCY CORRECTION

NUMBER OF BOWLS:	1	2	3	
CHANGE AS FOLLOWS:	-2	-1	0	

CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS			
IMPELLER MATERIAL:	-2	0	-1	-2			
BOWL MATERIAL:	-2	-1	-2	-3			

FLANGED BOWL DATA

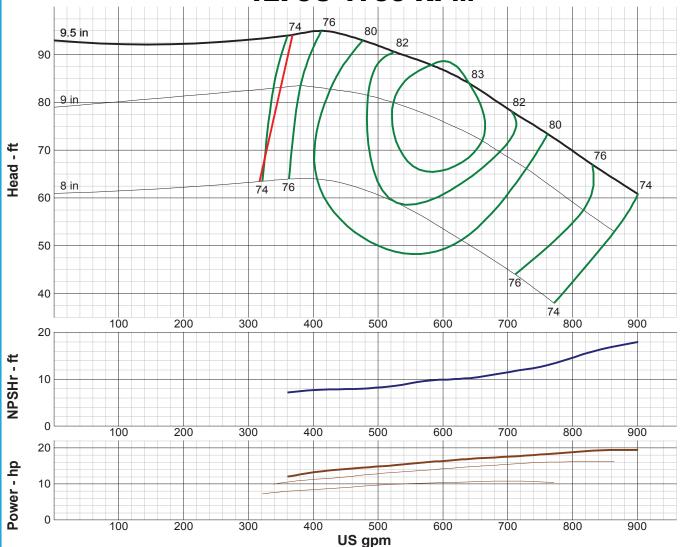
BOWL NUMBER BOWL MAX. DIAMETER 11.688 IN. **BOWL MIN. DIAMETER** 11.563 IN. MAX. NO. STAGES 340 LB. ONE STAGE WEIGHT ADD STAGE WEIGHT 100 LB. STD. SHAFT DIA. 1.688 IN. STD. LATERAL 0.625 IN. DISCHARGE SIZE 6 - 8 IN. DISCHARGE CONNECTION THD - FLG SUCTION SIZE 6 - 8 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 0.625 IN. MAX. OPERATIONAL P.S.I. 585 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020





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IMPELLER NUMBER 2990 **TYPE ENCLOSED** THRUST FACTOR K=6.60 **EYE AREA** 15.9 SQ. IN. WEIGHT 14.50 LB.

TRIM ANGLE: 25°

Minimum submergence above eye of bottom impeller: 24 IN.

EFFICIENCY CORRECTION NUMBER OF BOWLS: 2 3

4 CHANGE AS FOLLOWS:

CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS		
IMPELLER MATERIAL:	-2	0	-1	-2		
BOWL MATERIAL:	-2	-1	-2	-3		

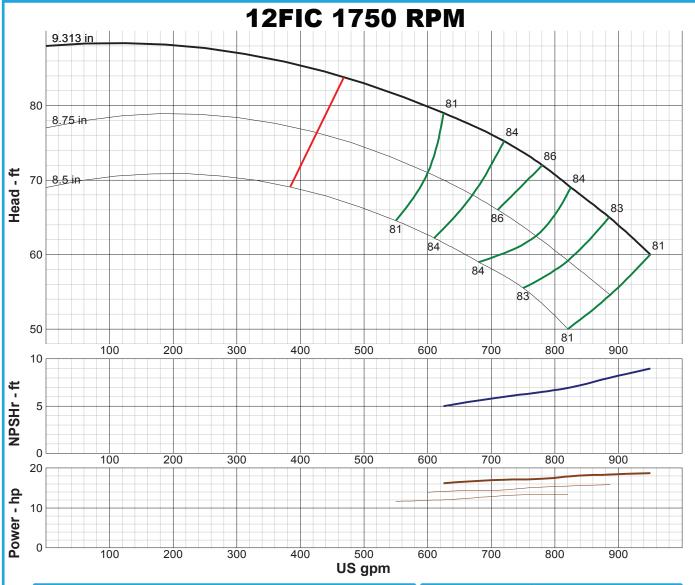
FLANGED BOWL DATA

BOWL NUMBER BOWL MAX. DIAMETER 11.688 IN. **BOWL MIN. DIAMETER** 11.563 IN. MAX. NO. STAGES 340 LB. ONE STAGE WEIGHT ADD STAGE WEIGHT 100 LB. STD. SHAFT DIA. 1.688 IN. STD. LATERAL 0.625 IN. DISCHARGE SIZE 6 - 8 IN. DISCHARGE CONNECTION THD - FLG SUCTION SIZE 6 - 8 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 0.500 IN. MAX. OPERATIONAL P.S.I. 585 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER NUMBER2996TRIM ANGLE: 23°TYPEENCLOSEDTHRUST FACTORK=6.75EYE AREA18.1 SQ. IN.WEIGHT15.00 LB. TRIM ANGLE: 23° Minimum submergence above eye of bottom impeller: 30 IN.	IMPELLER DATA					
	TYPE THRUST FACTOR EYE AREA	ENCLOSED K=6.75 18.1 SQ. IN.	Minimum submergence above			

EFFICIENCY CORRECTION						
NUMBER OF BOWLS:	1	2	3	4	5	
CHANGE AS FOLLOWS:	-4	-3	-2	-1	0	
CHANGE IN EFFICIENCY MAY	Y AFFECT	BOTH HE	AD AND	HORSEPO)WFR	

PUMP MATERIAL EFFICIENCY CORRECTION					
	DUCTILE	BRONZE	NI-R	STAINLESS	
IMPELLER MATERIAL:	-2	0	-1	-2	
BOWL MATERIAL:	-2	-1	-2	-3	

FLANGED BOWL DATA

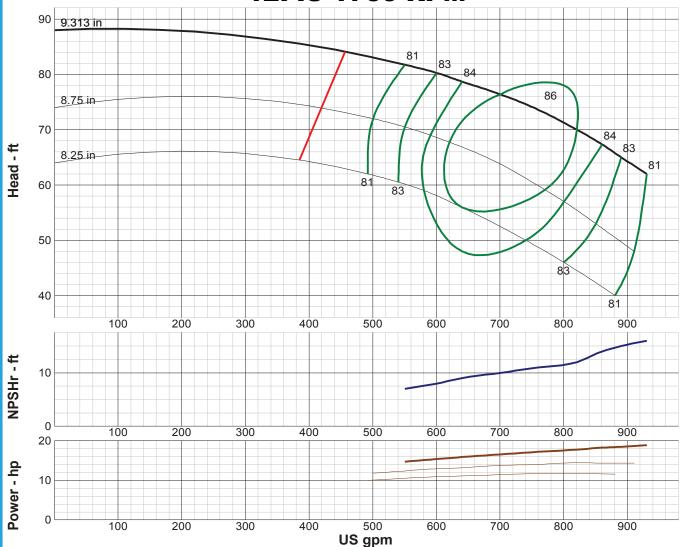
BOWL NUMBER BOWL MAX. DIAMETER 12.000 IN. **BOWL MIN. DIAMETER** 11.500 IN. MAX. NO. STAGES ONE STAGE WEIGHT 340 LB. ADD STAGE WEIGHT 100 LB. STD. SHAFT DIA. 1.688 IN. STD. LATERAL 0.625 IN. DISCHARGE SIZE 8 - 10 IN. DISCHARGE CONNECTION THD - FLG SUCTION SIZE 8 - 10 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 0.625 IN. MAX. OPERATIONAL P.S.I. 585 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020





IMPELLER DATA

IMPELLER NUMBER2997TYPESEMI-OPENTHRUST FACTORK=8.20EYE AREA18.1 SQ. IN.WEIGHT9.50 LB.

TRIM ANGLE: 23°

Minimum submergence above eye of bottom impeller: 30 IN.

EFFICIENCY CORRECTION

NUMBER OF BOWLS:	1	2	3	4	
CHANGE AS FOLLOWS:	-4	-3	-2	-1	

CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-2
BOWL MATERIAL:	-2	-1	-2	-3

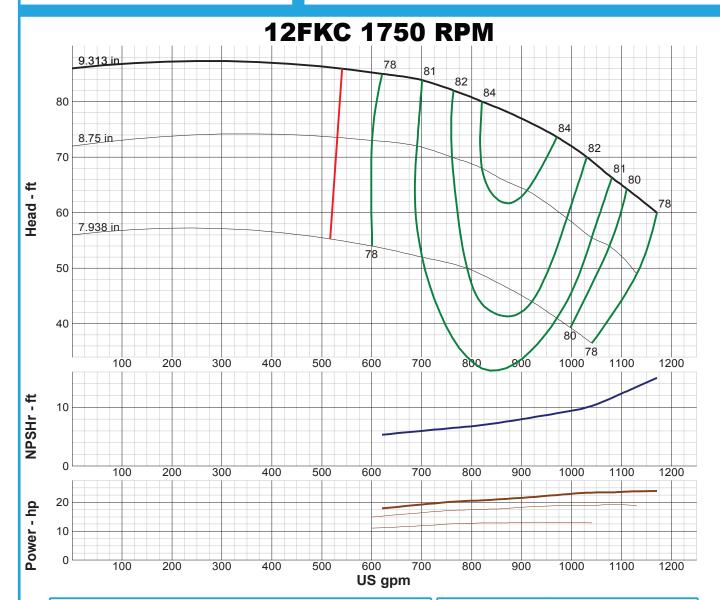
FLANGED BOWL DATA

BOWL NUMBER BOWL MAX. DIAMETER 12.000 IN. **BOWL MIN. DIAMETER** 11.500 IN. MAX. NO. STAGES 340 LB. ONE STAGE WEIGHT 100 LB. ADD STAGE WEIGHT STD. SHAFT DIA. 1.688 IN. 0.625 IN. STD. LATERAL DISCHARGE SIZE 8 - 10 IN. DISCHARGE CONNECTION THD - FLG SUCTION SIZE 8 - 10 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 0.625 IN. MAX. OPERATIONAL P.S.I. 585 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER DATA IMPELLER NUMBER TYPE THRUST FACTOR EYE AREA WEIGHT EFEICIENCY CORRECTION

EFFICIENCY CORRECTION						
NUMBER OF BOWLS:	1	2	3	4	5	
CHANGE AS FOLLOWS:	-4	-3	-2	-1	0	
CHANGE IN EFFICIENCY MAY	√ ∆EEECI	BOTH HE		HODSEDO	/WED	

PUMP MATERIAL EFFICIENCY CORRECTION					
	DUCTILE	BRONZE	NI-R	STAINLESS	
IMPELLER MATERIAL:	-2	0	-1	-2	
BOWL MATERIAL:	-2	-1	-2	-3	

FLANGED BOWL DATA

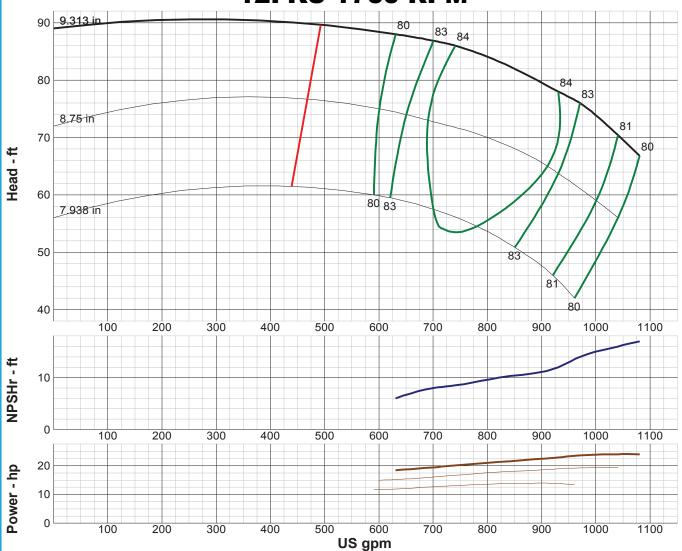
BOWL NUMBER 2994 **BOWL MAX. DIAMETER** 12.000 IN. **BOWL MIN. DIAMETER** 11.500 IN. MAX. NO. STAGES 340 LB. ONE STAGE WEIGHT ADD STAGE WEIGHT 100 LB. STD. SHAFT DIA. 1.688 IN. 0.625 IN. STD. LATERAL DISCHARGE SIZE 8 - 10 IN. DISCHARGE CONNECTION THD - FLG SUCTION SIZE 8 - 10 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 0.625 IN. MAX. OPERATIONAL P.S.I. 584 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020





IMPELI	_ER	DAT	Α
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IMPELLER NUMBER2992TYPESEMI-OPENTHRUST FACTORK=7.75EYE AREA20.4 SQ. IN.WEIGHT9.00 LB.

TRIM ANGLE: 23°

Minimum submergence above eye of bottom impeller: 30 IN.

NUMBER OF BOWLS: 1 2 3 4 5 CHANGE AS FOLLOWS: -4 -3 -2 -1 0

CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTION						
	DUCTILE	BRONZE	NI-R	STAINLESS		
IMPELLER MATERIAL:	-2	0	-1	-2		
BOWL MATERIAL:	-2	-1	-2	-3		

FLANGED BOWL DATA

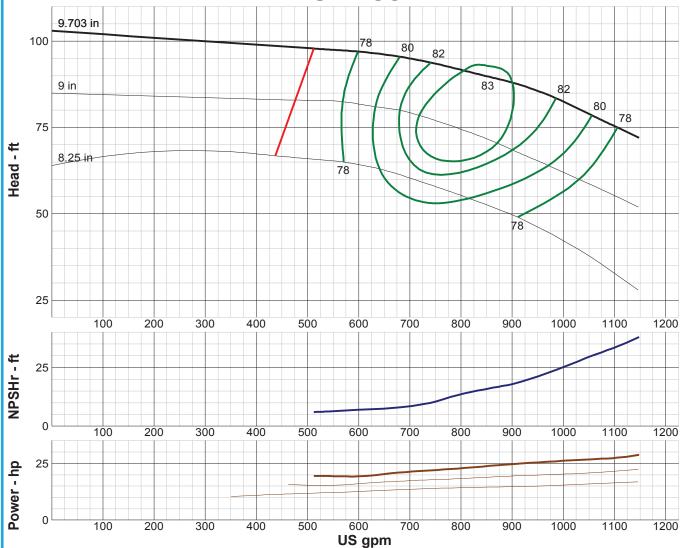
BOWL NUMBER 2994 **BOWL MAX. DIAMETER** 12.000 IN. **BOWL MIN. DIAMETER** 11.500 IN. MAX. NO. STAGES 340 LB. ONE STAGE WEIGHT 100 LB. ADD STAGE WEIGHT STD. SHAFT DIA. 1.688 IN. 0.500 IN. STD. LATERAL DISCHARGE SIZE 8 - 10 IN. DISCHARGE CONNECTION THD - FLG SUCTION SIZE 8 - 10 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 0.625 IN. MAX. OPERATIONAL P.S.I. 584 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020





IMPELLER DATA

IMPELLER NUMBER0704TYPEENCLOSEDTHRUST FACTORK=4.40EYE AREA14.1 SQ. IN.WEIGHT12.50 LB.

TRIM ANGLE: 26°

Minimum submergence above eye of bottom impeller: 30 IN.

EFFICIENCY CORRECTION

NUMBER OF BOWLS:	1	2	3	
CHANGE AS FOLLOWS:	-2	-1	0	

CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-2
BOWL MATERIAL:	-2	-1	-2	-3

FLANGED BOWL DATA

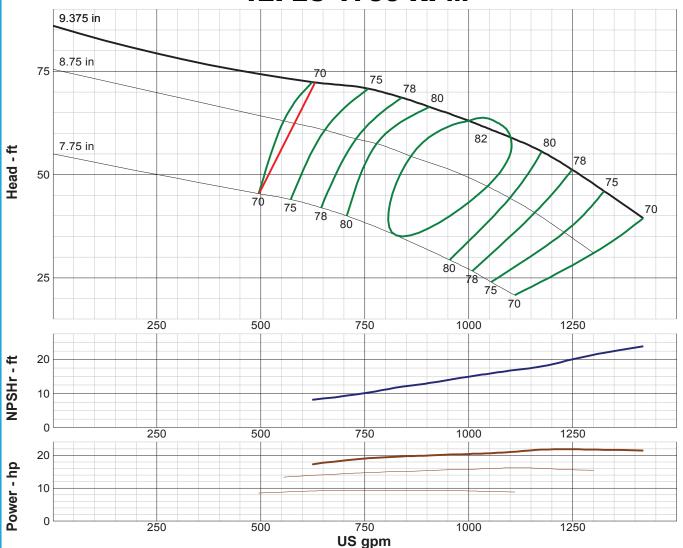
BOWL NUMBER 0902 **BOWL MAX. DIAMETER** 12.188 IN. **BOWL MIN. DIAMETER** 11.750 IN. MAX. NO. STAGES 245 LB. ONE STAGE WEIGHT 102 LB. ADD STAGE WEIGHT STD. SHAFT DIA. 1.688 IN. 0.625 IN. STD. LATERAL DISCHARGE SIZE 8 - 10 IN. DISCHARGE CONNECTION THD - FLG SUCTION SIZE 8 - 10 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 0.750 IN. MAX. OPERATIONAL P.S.I. 515 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020

12FLC 1750 RPM



IMPELLER DATA

IMPELLER NUMBER 3778 **TYPE ENCLOSED** THRUST FACTOR K=10.60 **EYE AREA** 20.1 SQ. IN. WEIGHT 15.50 LB.

TRIM ANGLE: 21.5°

Minimum submergence above eye of bottom impeller: 28 IN.

EFFICIENCY CORRECTION

NUMBER OF BOWLS:	1	2	3	4	
CHANGE AS FOLLOWS:	-4	-2	-1	0	
OLIANIOE IN EFFICIENCY MAN	/ A E E E O T	DOTLLL	- 4 D 4 4 1 D		

CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTION

				~
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-2
BOWL MATERIAL:	-2	-1	-2	-3

FLANGED BOWL DATA

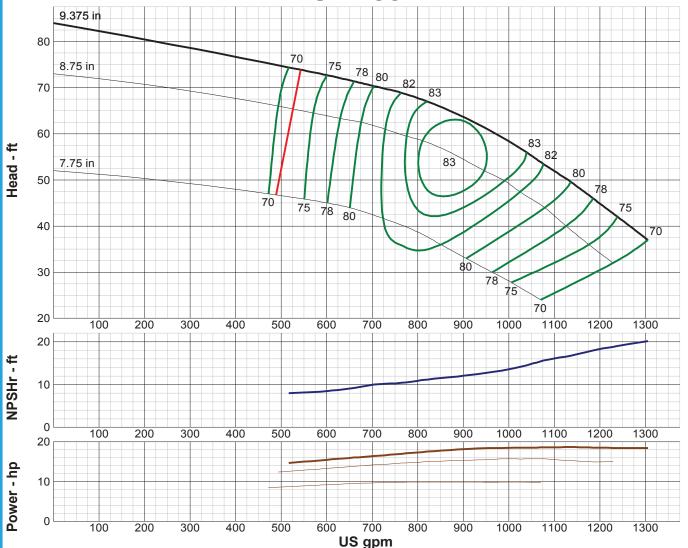
BOWL NUMBER 2952 **BOWL MAX. DIAMETER** 11.563 IN. **BOWL MIN. DIAMETER** 11.250 IN. MAX. NO. STAGES 340 LB. ONE STAGE WEIGHT ADD STAGE WEIGHT 100 LB. STD. SHAFT DIA. 1.688 IN. STD. LATERAL 0.875 IN. DISCHARGE SIZE 8 - 10 IN. DISCHARGE CONNECTION THD - FLG SUCTION SIZE 8 - 10 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 0.625 IN. MAX. OPERATIONAL P.S.I. 584 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020





IMPELLER DATA

IMPELLER NUMBER3779TYPESEMI-OPENTHRUST FACTORK=12.50EYE AREA20.1 SQ. IN.WEIGHT8.13 LB.

TRIM ANGLE: 21.5°

Minimum submergence above eye of bottom impeller: 30 IN.

NUMBER OF BOWLS: 1 2 3 4 CHANGE AS FOLLOWS: -4 -2 -1 0

CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTION					
	DUCTILE	BRONZE	NI-R	STAINLESS	
IMPELLER MATERIAL:	-2	0	-1	-2	
BOWL MATERIAL:	-2	-1	-2	-3	

FLANGED BOWL DATA

BOWL NUMBER 2952 **BOWL MAX. DIAMETER** 11.563 IN. **BOWL MIN. DIAMETER** 11.250 IN. MAX. NO. STAGES 340 LB. ONE STAGE WEIGHT ADD STAGE WEIGHT 100 LB. STD. SHAFT DIA. 1.688 IN. 0.875 IN. STD. LATERAL DISCHARGE SIZE 8 - 10 IN. DISCHARGE CONNECTION THD - FLG SUCTION SIZE 8 - 10 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 0.625 IN. MAX. OPERATIONAL P.S.I. 584 (SPECIAL)

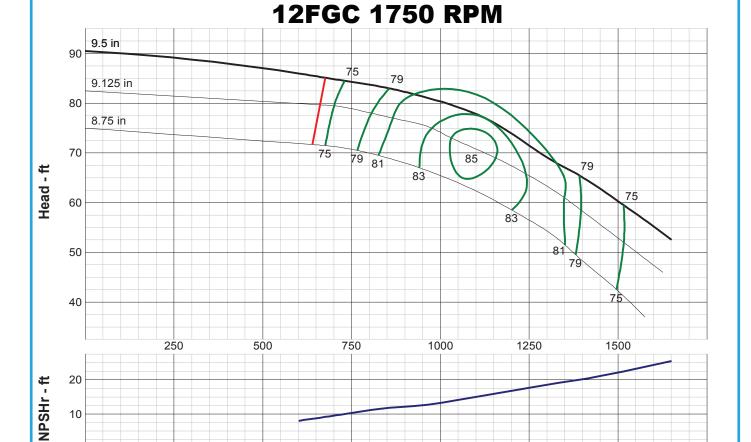


Power - hp

TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

APRIL 2020



		US gpm
	IMPELLE	R DATA
IMPELLER NUMBER TYPE THRUST FACTOR EYE AREA WEIGHT	3850 ENCLOSED K=5.10 20.1 SQ. IN. 17.50 LB.	TRIM ANGLE: 24° Minimum submergence above eye of bottom impeller: 28 IN.

EFFICIENCY CORRECTION					
NUMBER OF BOWLS:	1	2	3	4	
CHANGE AS FOLLOWS:	-3	-2	-1	0	
CHANGE IN EFFICIENCY MAY	Y AFFECT	BOTH HE	EAD AND	HORSEPO	OWER.

PUMP MATERIAL EFFICIENCY CORRECTION					
	DUCTILE	BRONZE	NI-R	STAINLESS	
IMPELLER MATERIAL:	-2	0	-1	-2	
BOWL MATERIAL:	-2	-1	-2	-3	

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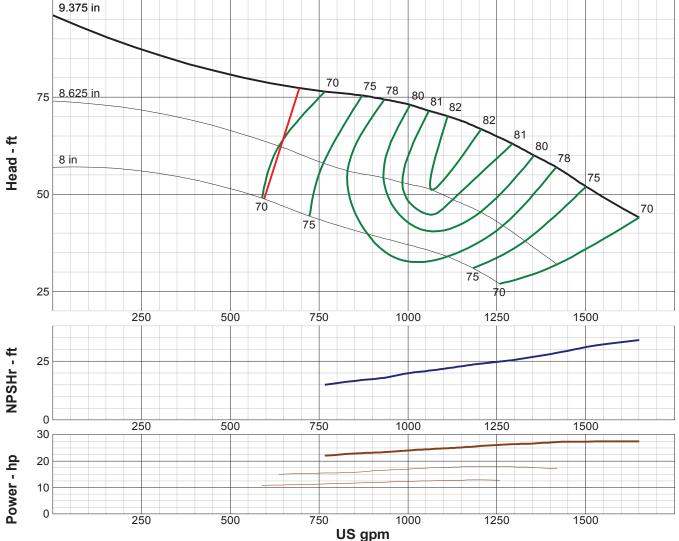
BOWL NUMBER	3841
BOWL MAX. DIAMETER	11.938 IN.
BOWL MIN. DIAMETER	11.750 IN.
MAX. NO. STAGES	12
ONE STAGE WEIGHT	265 LB.
ADD STAGE WEIGHT	126 LB.
STD. SHAFT DIA.	1.688 IN.
STD. LATERAL	1.000 IN.
DISCHARGE SIZE	8 - 10 IN.
DISCHARGE CONNECTION	THD - FLG
SUCTION SIZE	8 - 10 IN.
SUCTION CONNECTION	THD
MAX. SPHERE SIZE	0.625 IN.
MAX. OPERATIONAL P.S.I.	584 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020





IMPELLER DATA

IMPELLER NUMBER TYPE THRUST FACTOR EYE AREA	2951 ENCLOSED K=10.60 20.1 SQ. IN.
EYE AREA	20.1 SQ. IN.
WEIGHT	15.00 LB.

TRIM ANGLE: 21.5°

Minimum submergence above eye of bottom impeller: 24 IN.

EFFICIENCY CORRECTION							
NUMBER OF BOWLS:	1	2	3	4			
CHANGE AS FOLLOWS:	3	2	1	0			

CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTION							
	DUCTILE	BRONZE	NI-R	STAINLESS			
IMPELLER MATERIAL:	-2	0	-1	-2			
BOWL MATERIAL:	-2	-1	-2	-3			

FLANGED BOWL DATA

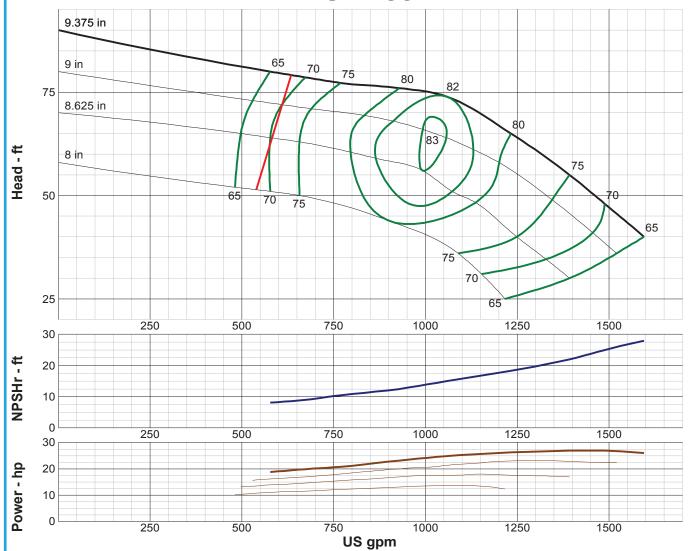
BOWL NUMBER	2952
BOWL MAX. DIAMETER	12.563 IN.
BOWL MIN. DIAMETER	11.250 IN.
MAX. NO. STAGES	14
ONE STAGE WEIGHT	340 LB.
ADD STAGE WEIGHT	100 LB.
STD. SHAFT DIA.	1.688 IN.
STD. LATERAL	0.750 IN.
DISCHARGE SIZE	8 - 10 IN.
DISCHARGE CONNECTION	THD - FLG
SUCTION SIZE	8 - 10 IN.
SUCTION CONNECTION	THD
MAX. SPHERE SIZE	0.625 IN.
MAX. OPERATIONAL P.S.I.	584 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020

12FMS 1760 RPM



	IMPELLE	R DATA
LER NUMBER	2956	TRIM AN

IMPELLER NUMBER2956TYPESEMI-OPENTHRUST FACTORK=12.50EYE AREA20.1 SQ. IN.WEIGHT10.00 LB.

TRIM ANGLE: 21.5°

Minimum submergence above eye of bottom impeller: 30 IN.

EFFICIENCY CORRECTION NUMBER OF BOWLS: 1 2 3 4 CHANGE AS FOLLOWS: -3 -2 -1 0

CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTION							
	DUCTILE	BRONZE	NI-R	STAINLESS			
IMPELLER MATERIAL:	-2	0	-1	-2			
BOWL MATERIAL:	-2	-1	-2	-3			

FLANGED BOWL DATA

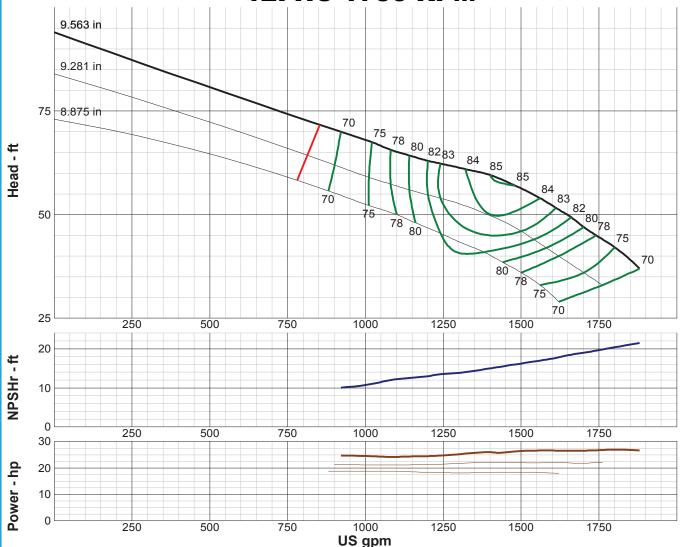
BOWL NUMBER 2952 **BOWL MAX. DIAMETER** 11.563 IN. **BOWL MIN. DIAMETER** 11.250 IN. MAX. NO. STAGES 340 LB. ONE STAGE WEIGHT 100 LB. ADD STAGE WEIGHT STD. SHAFT DIA. 1.688 IN. STD. LATERAL 0.750 IN. DISCHARGE SIZE 8 - 10 IN. DISCHARGE CONNECTION THD - FLG SUCTION SIZE 8 - 10 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 0.625 IN. MAX. OPERATIONAL P.S.I. 584 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020





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IMPELLER NUMBER 2914 **TYPE ENCLOSED** THRUST FACTOR K=16.50 **EYE AREA** 32.4 SQ. IN. WEIGHT 11.50 LB.

TRIM ANGLE: 30°

Minimum submergence above eye of bottom impeller: 26 IN.

EFFICIENCY CORRECTION

NUMBER OF BOWLS:	1	2	3	4	
CHANGE AS FOLLOWS:	-4	-2	-1	0	

CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-2
BOWL MATERIAL:	-2	-1	-2	-3

FLANGED BOWL DATA

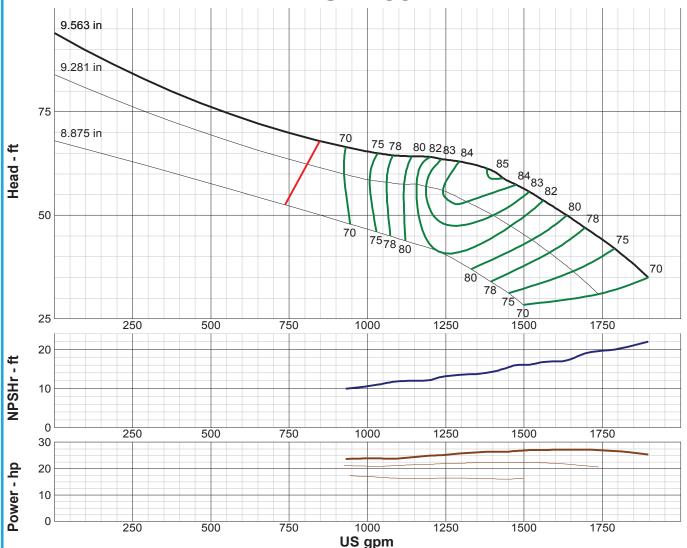
BOWL NUMBER 2915 **BOWL MAX. DIAMETER** 11.563 IN. **BOWL MIN. DIAMETER** 11.250 IN. MAX. NO. STAGES 15 340 LB. ONE STAGE WEIGHT ADD STAGE WEIGHT 100 LB. STD. SHAFT DIA. 1.688 IN. STD. LATERAL 0.750 IN. DISCHARGE SIZE 8 - 10 IN. DISCHARGE CONNECTION THD - FLG SUCTION SIZE 8 - 10 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 0.750 IN. 584 (SPECIAL) MAX. OPERATIONAL P.S.I.



SINGLE STAGE PERFORMANCE

APRIL 2020

12FHS 1760 RPM



IMPELLER DATA

IMPELLER NUMBER 2953 **TYPE** SEMI-OPEN THRUST FACTOR K=19.00 **EYE AREA** 32.4 SQ. IN. WEIGHT 11.25 LB.

TRIM ANGLE: 30°

Minimum submergence above eye of bottom impeller: 30 IN.

EFFICIENCY CORRECTION

NUMBER OF BOWLS:	1	2	3	4	
CHANGE AS FOLLOWS:	-4	-2	-1	0	

CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-2
BOWL MATERIAL:	-2	-1	-2	-3

FLANGED BOWL DATA

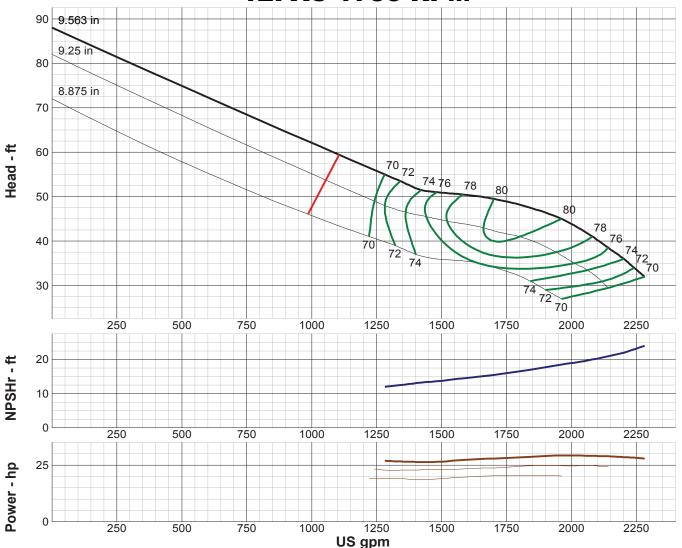
BOWL NUMBER 2915 **BOWL MAX. DIAMETER** 11.563 IN. **BOWL MIN. DIAMETER** 11.250 IN. MAX. NO. STAGES 15 340 LB. ONE STAGE WEIGHT ADD STAGE WEIGHT 100 LB. STD. SHAFT DIA. 1.688 IN. 0.750 IN. STD. LATERAL DISCHARGE SIZE 8 - 10 IN. DISCHARGE CONNECTION THD - FLG SUCTION SIZE 8 - 10 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 0.750 IN. 584 (SPECIAL) MAX. OPERATIONAL P.S.I.



SINGLE STAGE PERFORMANCE

APRIL 2020





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IMPELLER NUMBER3360TYPEENCLOSEDTHRUST FACTORK=18.20EYE AREA36.6 SQ. IN.WEIGHT15.25 LB.

TRIM ANGLE: 26.5°

Minimum submergence above eye of bottom impeller: 28 IN.

EFFICIENCY CORRECTION

NUMBER OF BOWLS:	1	2	3	4	
CHANGE AS FOLLOWS:	-4	-2	-1	0	

CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-2
BOWL MATERIAL:	-2	-1	-2	-3

FLANGED BOWL DATA

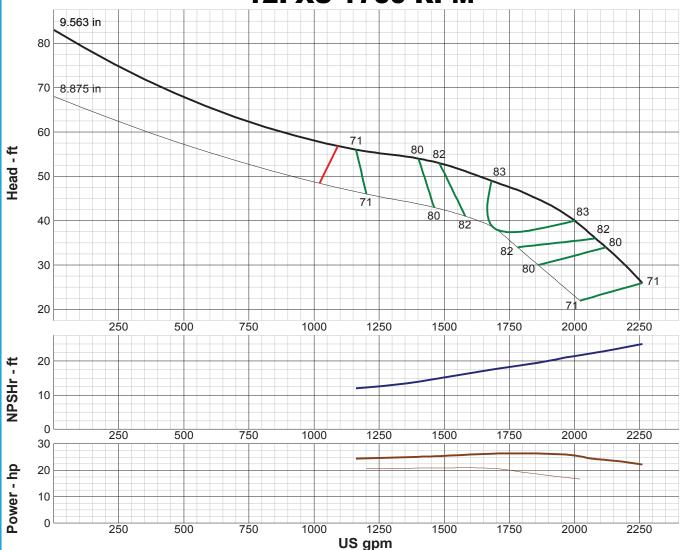
BOWL NUMBER BOWL MAX. DIAMETER 11.563 IN. **BOWL MIN. DIAMETER** 11.250 IN. MAX. NO. STAGES 340 LB. ONE STAGE WEIGHT ADD STAGE WEIGHT 100 LB. STD. SHAFT DIA. 1.688 IN. 0.875 IN. STD. LATERAL DISCHARGE SIZE 8 - 10 IN. DISCHARGE CONNECTION THD - FLG SUCTION SIZE 8 - 10 IN. SUCTION CONNECTION MAX. SPHERE SIZE 1.000 IN. 584 (SPECIAL) MAX. OPERATIONAL P.S.I.



SINGLE STAGE PERFORMANCE

APRIL 2020





IMPELLER DATA

IMPELLER NUMBER3374TYPESEMI-OPENTHRUST FACTORK=20.80EYE AREA35.6 SQ. IN.WEIGHT11.50 LB.

TRIM ANGLE: 26.5°

Minimum submergence above eye of bottom impeller: 30 IN.

EFFICIENCY CORRECTION

NUMBER OF BOWLS:	1	2	3	4	
CHANGE AS FOLLOWS:	-4	-2	-1	0	

CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-2
BOWL MATERIAL:	-2	-1	-2	-3

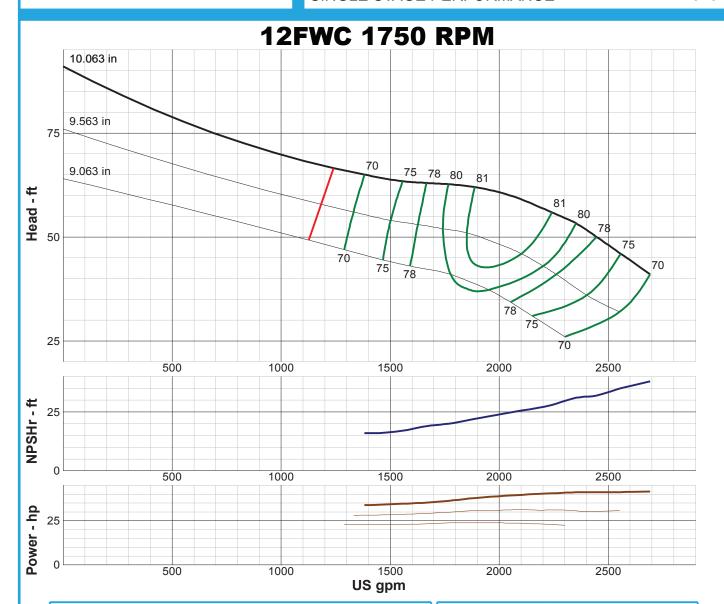
FLANGED BOWL DATA

BOWL NUMBER BOWL MAX. DIAMETER 11.563 IN. **BOWL MIN. DIAMETER** 11.250 IN. MAX. NO. STAGES 340 LB. ONE STAGE WEIGHT 100 LB. ADD STAGE WEIGHT STD. SHAFT DIA. 1.688 IN. 0.875 IN. STD. LATERAL DISCHARGE SIZE 8 - 10 IN. DISCHARGE CONNECTION THD - FLG SUCTION SIZE 8 - 10 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 1.000 IN. 584 (SPECIAL) MAX. OPERATIONAL P.S.I.



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER DATA IMPELLER NUMBER TYPE ENCLOSED THRUST FACTOR EYE AREA 29.7 SQ. IN. WEIGHT TRIM ANGLE: 30.5' Minimum submergence above eye of bottom impeller: 30 IN.

EFFICIENCY CORRECTION						
NUMBER OF BOWLS:	1	2	3	4		
CHANGE AS FOLLOWS:	-3	-2	-1	0		
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.						

PUMP MATERIAL EFFICIENCY CORRECTION					
	DUCTILE	BRONZE	NI-R	STAINLESS	
IMPELLER MATERIAL:	-2	0	-1	-2	
BOWL MATERIAL:	-2	-1	-2	-3	

FLANGED BOWL DATA

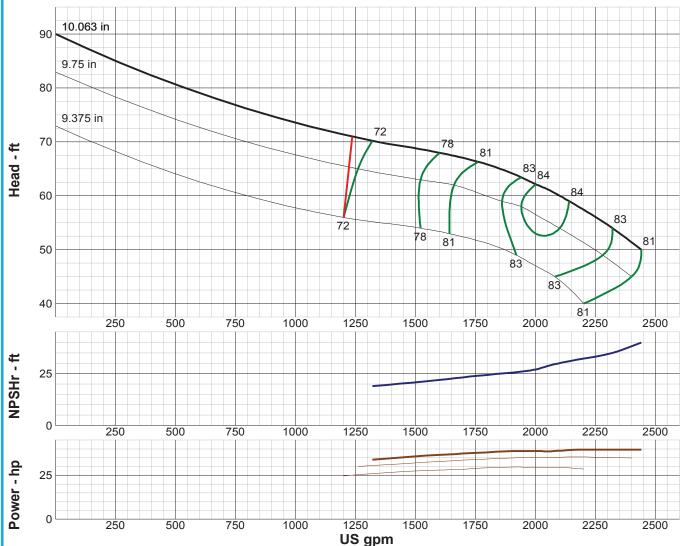
BOWL NUMBER BOWL MAX. DIAMETER 12.188 IN. **BOWL MIN. DIAMETER** 11.750 IN. MAX. NO. STAGES ONE STAGE WEIGHT 415 LB. ADD STAGE WEIGHT 140 LB. STD. SHAFT DIA. 1.688 IN. STD. LATERAL 0.750 IN. DISCHARGE SIZE 8 - 10 IN. DISCHARGE CONNECTION THD - FLG SUCTION SIZE 8 - 10 IN. SUCTION CONNECTION MAX. SPHERE SIZE 1.375IN. 584 (SPECIAL) MAX. OPERATIONAL P.S.I.



SINGLE STAGE PERFORMANCE

APRIL 2020





IMPELLER DATA

IMPELLER NUMBER 4777 **TYPE** SEMI-OPEN THRUST FACTOR K=17.40 **EYE AREA** 29.7 SQ. IN. WEIGHT 14.50 LB.

TRIM ANGLE: 30.5°

Minimum submergence above eye of bottom impeller: 32 IN.

EFFICIENCY CORRECTION

NUMBER OF BOWLS:	1	2	3	4	
CHANGE AS FOLLOWS:	-3	-2	-1	0	

CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-2
BOWL MATERIAL:	-2	-1	-2	-3

FLANGED BOWL DATA

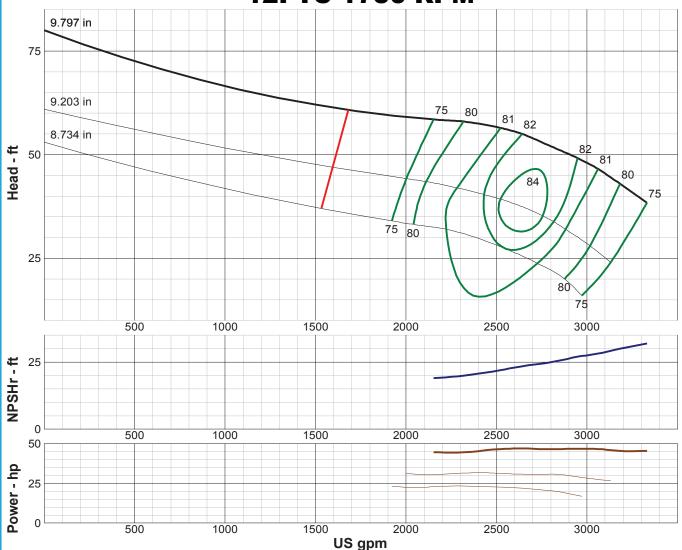
BOWL NUMBER BOWL MAX. DIAMETER 12.188 IN. **BOWL MIN. DIAMETER** 11.750 IN. MAX. NO. STAGES 415 LB. ONE STAGE WEIGHT 140 LB. ADD STAGE WEIGHT STD. SHAFT DIA. 1.688 IN. 0.750 IN. STD. LATERAL DISCHARGE SIZE 8 - 10 IN. DISCHARGE CONNECTION THD - FLG SUCTION SIZE 8 - 10 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 1.375 IN. MAX. OPERATIONAL P.S.I. 584 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020





IMPELLER DATA

IMPELLER NUMBER 4778 **TYPE ENCLOSED** THRUST FACTOR K=14.20 **EYE AREA** 38.0 SQ. IN. WEIGHT 19.00 LB.

TRIM ANGLE: 35°

Minimum submergence above eye of bottom impeller: 36 IN.

EFFICIENCY CORRECTION

NUMBER OF BOWLS:	1	2	3	4	
CHANGE AS FOLLOWS:	-4	-2	-1	0	

CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTION

_				
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-2
BOWL MATERIAL:	-2	-1	-2	-3

FLANGED BOWL DATA

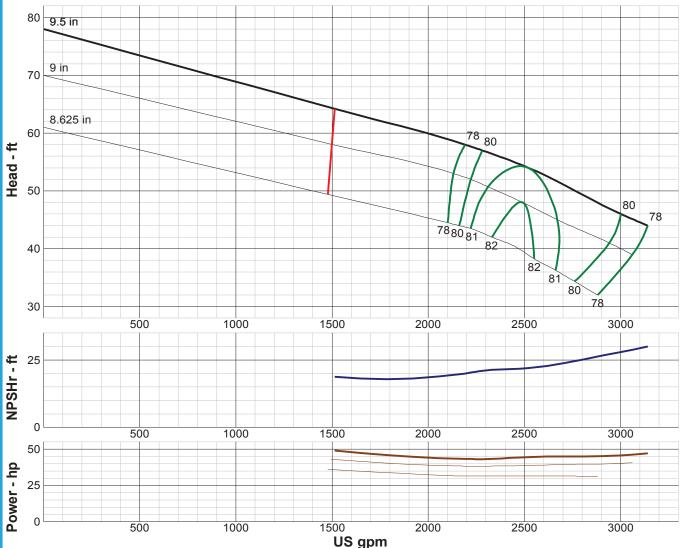
BOWL NUMBER 4772 **BOWL MAX. DIAMETER** 12.188 IN. **BOWL MIN. DIAMETER** 11.750 IN. MAX. NO. STAGES 415 LB. ONE STAGE WEIGHT ADD STAGE WEIGHT 140 LB. STD. SHAFT DIA. 1.688 IN. 0.875 IN. STD. LATERAL DISCHARGE SIZE 8 - 10 IN. DISCHARGE CONNECTION THD - FLG SUCTION SIZE 8 - 10 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 1.500 IN. MAX. OPERATIONAL P.S.I. 584 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020





IMPELLER DATA

IMPELLER NUMBER 4778 **TYPE** SEMI-OPEN THRUST FACTOR K=16.50 **EYE AREA** 38.0 SQ. IN. WEIGHT 19.00 LB.

TRIM ANGLE: 35°

Minimum submergence above eye of bottom impeller: 36 IN.

EFFICIENCY CORRECTION

NUMBER OF BOWLS:	1	2	3	4	
CHANGE AS FOLLOWS:	-4	-2	-1	0	
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CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-2
BOWL MATERIAL:	-2	-1	-2	-3

FLANGED BOWL DATA

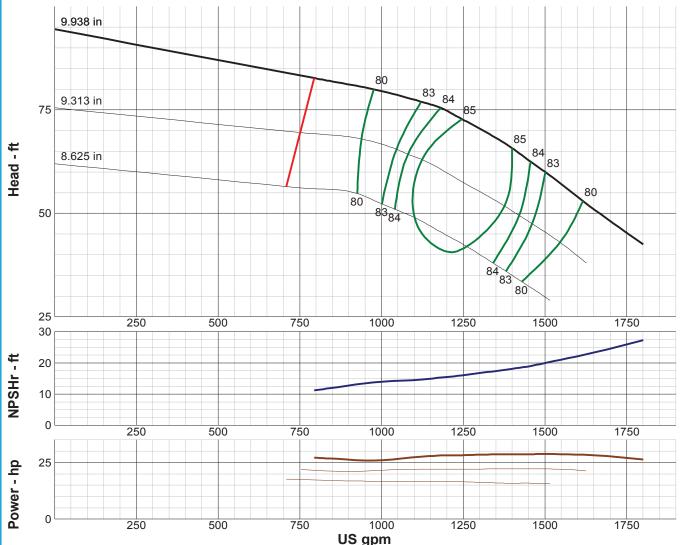
BOWL NUMBER 4772 **BOWL MAX. DIAMETER** 12.188 IN. **BOWL MIN. DIAMETER** 11.750 IN. MAX. NO. STAGES 415 LB. ONE STAGE WEIGHT ADD STAGE WEIGHT 140 LB. STD. SHAFT DIA. 1.688 IN. 0.875 IN. STD. LATERAL DISCHARGE SIZE 8 - 10 IN. DISCHARGE CONNECTION THD - FLG SUCTION SIZE 8 - 10 IN. SUCTION CONNECTION MAX. SPHERE SIZE 1.500 IN. 584 (SPECIAL) MAX. OPERATIONAL P.S.I.



SINGLE STAGE PERFORMANCE

APRIL 2020





IMPELLER NUMBER2999TYPEENCLOSEDTHRUST FACTORK=7.90EYE AREA23.4 SQ. IN.WEIGHT14.70 LB.

TRIM ANGLE: 30°

Minimum submergence above eye of bottom impeller: 24 IN.

NUMBER OF BOWLS: 1 2 3 4 5 CHANGE AS FOLLOWS: -4 -3 -2 -1 0 CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTIONDUCTILEBRONZENI-RSTAINLESSIMPELLER MATERIAL:-20-1-1BOWL MATERIAL:-2-1-1-3

FLANGED BOWL DATA

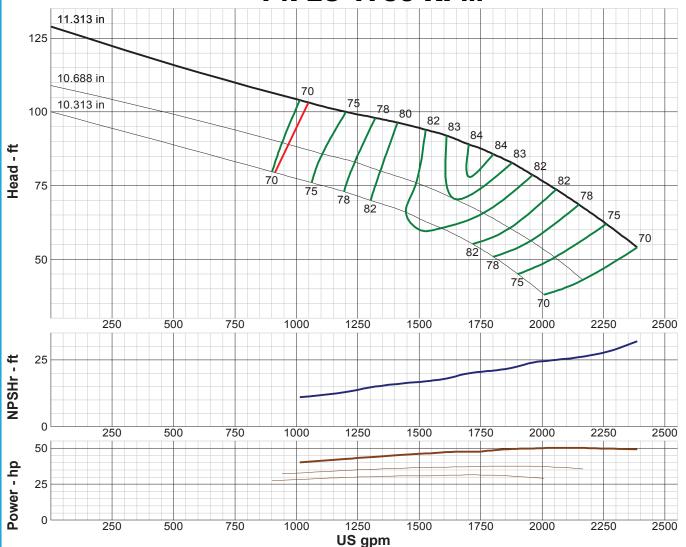
BOWL NUMBER BOWL MAX. DIAMETER 12.500 IN. **BOWL MIN. DIAMETER** 12.125 IN. MAX. NO. STAGES 240 LB. ONE STAGE WEIGHT ADD STAGE WEIGHT 115 LB. STD. SHAFT DIA. 1.688 IN. STD. LATERAL 0.813 IN. DISCHARGE SIZE 8 - 10 IN. DISCHARGE CONNECTION THD - FLG SUCTION SIZE 8 - 10 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 0.750 IN. MAX. OPERATIONAL P.S.I. 584 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020

14FLC 1750 RPM



IMPELLER DATA

IMPELLER NUMBER3105TYPEENCLOSEDTHRUST FACTORK=17.20EYE AREA31.5 SQ. IN.WEIGHT28.00 LB.

TRIM ANGLE: 23°

Minimum submergence above eye of bottom impeller: 30 IN.

EFFICIENCY CORRECTION

NUMBER OF BOWLS:	1	2	3	4	
CHANGE AS FOLLOWS:	-4	-2	-1	0	

CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-1
BOWL MATERIAL:	-2	-1	-2	-2

FLANGED BOWL DATA

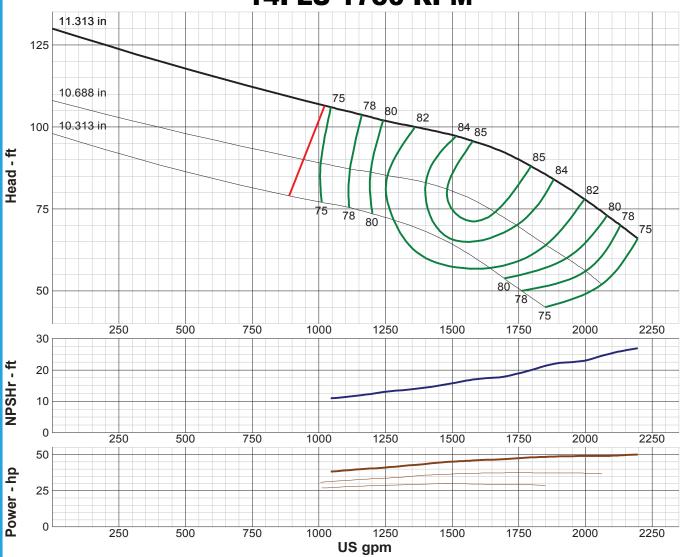
BOWL NUMBER 3106 **BOWL MAX. DIAMETER** 13.500 IN. **BOWL MIN. DIAMETER** 13.250 IN. MAX. NO. STAGES 490 LB. ONE STAGE WEIGHT ADD STAGE WEIGHT 175 LB. STD. SHAFT DIA. 1.938 IN. STD. LATERAL 0.875 IN. DISCHARGE SIZE 10 - 12 IN. DISCHARGE CONNECTION THD - FLG SUCTION SIZE 10 - 12 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 0.750 IN. MAX. OPERATIONAL P.S.I. 540 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020





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IMPELLER NUMBER3107TYPEENCLOSEDTHRUST FACTORK=19.70EYE AREA31.5 SQ. IN.WEIGHT18.50 LB.

TRIM ANGLE: 23°

Minimum submergence above eye of bottom impeller: 30 IN.

EFFICIENCY CORRECTION

 NUMBER OF BOWLS:
 1
 2
 3

 CHANGE AS FOLLOWS:
 -2
 -1
 0

CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-1
BOWL MATERIAL:	-2	-1	-2	-2

FLANGED BOWL DATA

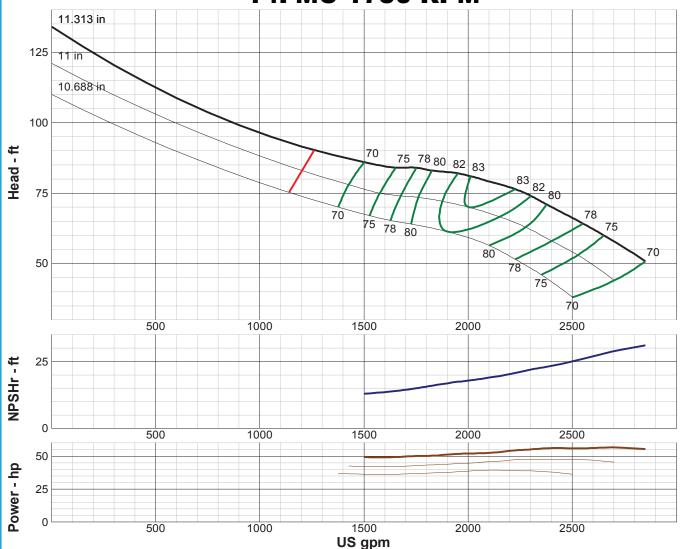
BOWL NUMBER 3106 **BOWL MAX. DIAMETER** 13.500 IN. **BOWL MIN. DIAMETER** 13.250 IN. MAX. NO. STAGES 490 LB. ONE STAGE WEIGHT ADD STAGE WEIGHT 175 LB. STD. SHAFT DIA. 1.938 IN. STD. LATERAL 0.875 IN. DISCHARGE SIZE 10 - 12 IN. DISCHARGE CONNECTION THD - FLG SUCTION SIZE 10 - 12 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 0.750 IN. MAX. OPERATIONAL P.S.I. 540 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020





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IMPELLER NUMBER3065TYPEENCLOSEDTHRUST FACTORK=21.80EYE AREA40.9 SQ. IN.WEIGHT28.00 LB.

TRIM ANGLE: 30°

Minimum submergence above eye of bottom impeller: 30 IN.

EFFICIENCY CORRECTION

NUMBER OF BOWLS:	1	2	3	4	
CHANGE AS FOLLOWS:	-4	-2	-1	0	

CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-1
BOWL MATERIAL:	-2	-1	-2	-2

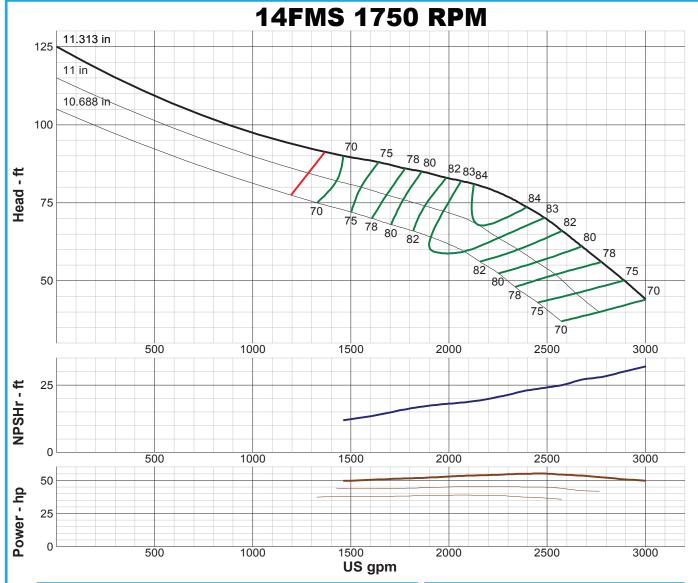
FLANGED BOWL DATA

BOWL NUMBER 3042 **BOWL MAX. DIAMETER** 13.500 IN. **BOWL MIN. DIAMETER** 13.250 IN. MAX. NO. STAGES 490 LB. ONE STAGE WEIGHT ADD STAGE WEIGHT 175 LB. STD. SHAFT DIA. 1.938 IN. STD. LATERAL 0.875 IN. DISCHARGE SIZE 10 - 12 IN. DISCHARGE CONNECTION THD - FLG SUCTION SIZE 10 - 12 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 1.250 IN. MAX. OPERATIONAL P.S.I. 540 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER DATA						
IMPELLER NUMBER TYPE THRUST FACTOR EYE AREA WEIGHT	3078 SEMI-OPEN K=23.40 40.9 SQ. IN. 20.25 LB.	TRIM ANGLE: 30° Minimum submergence above eye of bottom impeller: 30 IN.				
EFFICIENCY CORRECTION						

EFFICIENCY CORRECTION							
NUMBER OF BOWLS:	1	2	3	4			
CHANGE AS FOLLOWS:	-3	-2	-1	0			
CHANGE IN EFFICIENCY MAY	Y AFFECT	ВОТН НЕ	AD AND	HORSEPO	WER.		

PUMP MATERIAL EFFICIENCY CORRECTION						
	DUCTILE	BRONZE	NI-R	STAINLESS		
IMPELLER MATERIAL:	-2	0	-1	-1		
BOWL MATERIAL:	-2	-1	-2	-2		

FLANGED BOWL DATA

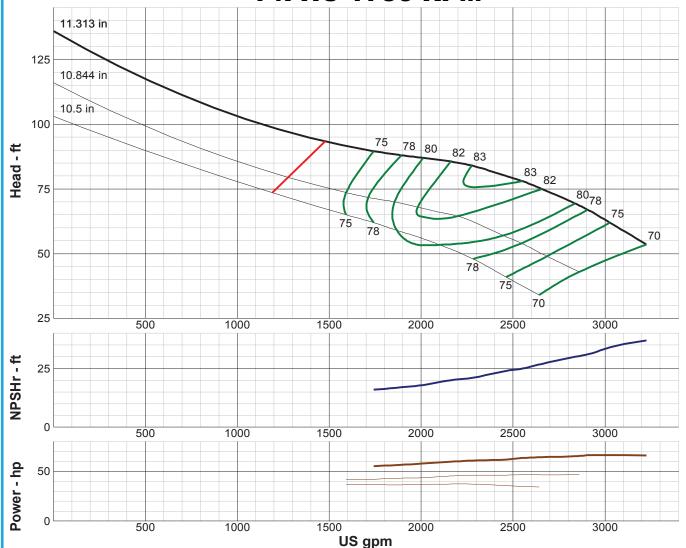
BOWL NUMBER 3042 **BOWL MAX. DIAMETER** 13.500 IN. **BOWL MIN. DIAMETER** 13.250 IN. MAX. NO. STAGES ONE STAGE WEIGHT 490 LB. ADD STAGE WEIGHT 175 LB. STD. SHAFT DIA. 1.938 IN. STD. LATERAL 0.875 IN. DISCHARGE SIZE 10 - 12 IN. DISCHARGE CONNECTION THD - FLG SUCTION SIZE 10 - 12 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 1.250 IN. 540 (SPECIAL) MAX. OPERATIONAL P.S.I.



SINGLE STAGE PERFORMANCE

APRIL 2020

14FHC 1750 RPM



TRIM ANGLE: 32.5°

Minimum submergence above eye of bottom impeller: 32 IN.

EFFICIENCY CORRECTION								
NUMBER OF BOWLS:	1	2	3	4	Γ			
01141105 40 5011 0140					т			

CHANGE AS FOLLOWS: -4 -2 -1 0 CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTION					
	DUCTILE	BRONZE	NI-R	STAINLESS	
IMPELLER MATERIAL:	-2	0	-1	-1	
BOWL MATERIAL:	-2	-1	-2	-2	

FLANGED BOWL DATA

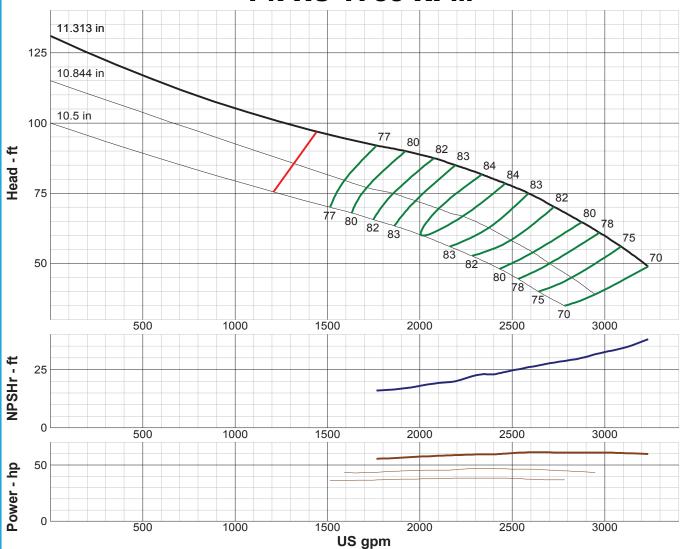
BOWL NUMBER 3042 **BOWL MAX. DIAMETER** 13.500 IN. **BOWL MIN. DIAMETER** 13.250 IN. MAX. NO. STAGES ONE STAGE WEIGHT 490 LB. ADD STAGE WEIGHT 175 LB. STD. SHAFT DIA. 1.938 IN. STD. LATERAL 0.875 IN. DISCHARGE SIZE 10 - 12 IN. DISCHARGE CONNECTION THD - FLG SUCTION SIZE 10 - 12 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 1.250 IN. 540 (SPECIAL) MAX. OPERATIONAL P.S.I.



SINGLE STAGE PERFORMANCE

APRIL 2020

14FHS 1760 RPM



IMPELLER DATA

IMPELLER NUMBER3029TYPESEMI-OPENTHRUST FACTORK=25.20EYE AREA43.9 SQ. IN.WEIGHT21.25 LB.

TRIM ANGLE: 32.5°

Minimum submergence above eye of bottom impeller: 32 IN.

NUMBER OF BOWLS: 1 2 3 4 CHANGE AS FOLLOWS: -3 -2 -1 0 CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTIONDUCTILEBRONZENI-RSTAINLESSIMPELLER MATERIAL:-20-1-1BOWL MATERIAL:-2-1-2-2

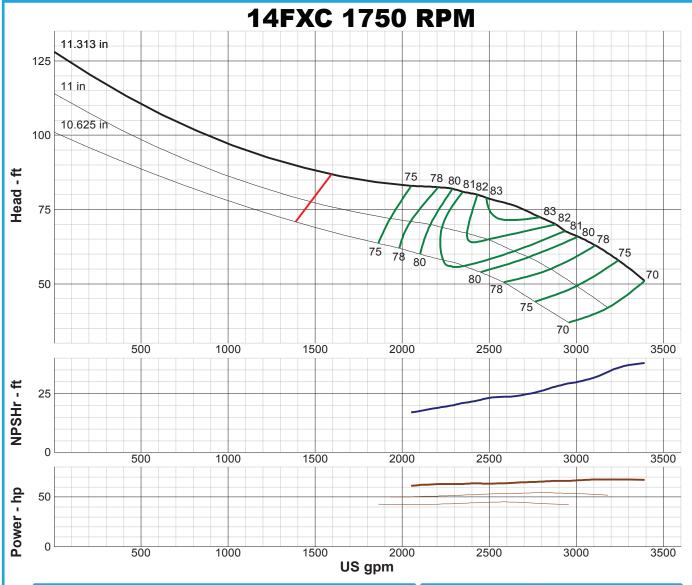
FLANGED BOWL DATA

BOWL NUMBER 3042 **BOWL MAX. DIAMETER** 13.500 IN. 13.250 IN. **BOWL MIN. DIAMETER** MAX. NO. STAGES 490 LB. ONE STAGE WEIGHT ADD STAGE WEIGHT 175 LB. STD. SHAFT DIA. 1.938 IN. STD. LATERAL 0.875 IN. DISCHARGE SIZE 10 - 12 IN. DISCHARGE CONNECTION THD - FLG SUCTION SIZE 10 - 12 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 1.250 IN. MAX. OPERATIONAL P.S.I. 540 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020



	IMPELLE	R DATA
IMPELLER NUMBER TYPE THRUST FACTOR EYE AREA WEIGHT	3086 ENCLOSED K=21.80 40.9 SQ. IN. 29.25 LB.	TRIM ANGLE: 32.5° Minimum submergence above eye of bottom impeller: 32 IN.

EFFIC	ENCY	CORRI	ECTION	1	
NUMBER OF BOWLS:	1	2	3	4	
CHANGE AS FOLLOWS:	-5	-3	-1	0	
CHANGE IN EFFICIENCY MAY	Y AFFECT	ВОТН НЕ	AD AND	HORSEPO	WER.

PUMP MATERIAL EFFICIENCY CORRECTION					
	DUCTILE	BRONZE	NI-R	STAINLESS	
IMPELLER MATERIAL:	-2	0	-1	-1	
BOWL MATERIAL:	-2	-1	-2	-2	

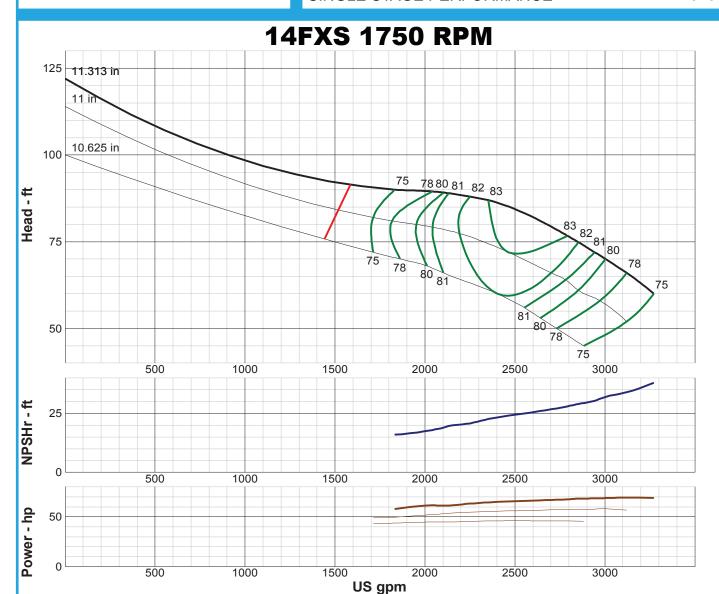
FLANGED BOWL DATA

BOWL NUMBER	3042
BOWL MAX. DIAMETER	13.500 IN.
BOWL MIN. DIAMETER	13.250 IN.
MAX. NO. STAGES	9
ONE STAGE WEIGHT	490 LB.
ADD STAGE WEIGHT	175 LB.
STD. SHAFT DIA.	1.938 IN.
STD. LATERAL	0.875 IN.
DISCHARGE SIZE	10 - 12 IN.
DISCHARGE CONNECTION	THD - FLG
SUCTION SIZE	10 - 12 IN.
SUCTION CONNECTION	THD
MAX. SPHERE SIZE	1.250 IN.
MAX. OPERATIONAL P.S.I.	540 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020



	IMPELLE	R DATA		
IMPELLER NUMBER TYPE THRUST FACTOR EYE AREA WEIGHT	3092 SEMI-OPEN K=23.40 40.9 SQ. IN. 20.25 LB.	TRIM ANGLE: 32.5° Minimum submergence above eye of bottom impeller: 32 IN.		
EFFICIENCY CORRECTION				

				-	
NUMBER OF BOWLS:	1	2	3	4	
CHANGE AS FOLLOWS:	-3	-2	-1	0	
CHANGE IN EFFICIENCY MAY	/ AFFECT	ВОТН НЕ	AD AND	HORSEPO	WER.

PUMP MATERIAL EFFICIENCY CORRECTION					
	DUCTILE	BRONZE	NI-R	STAINLESS	
IMPELLER MATERIAL:	-2	0	-1	-1	
BOWL MATERIAL:	-2	-1	-2	-2	

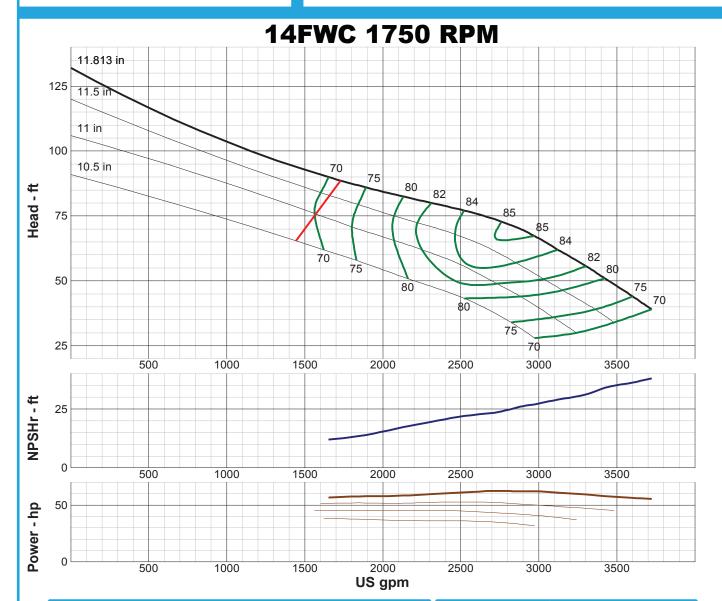
FLANGED BOWL DATA

BOWL NUMBER	3042
BOWL MAX. DIAMETER	13.500 IN.
BOWL MIN. DIAMETER	13.250 IN.
MAX. NO. STAGES	8
ONE STAGE WEIGHT	490 LB.
ADD STAGE WEIGHT	175 LB.
STD. SHAFT DIA.	1.938 IN.
STD. LATERAL	0.875 IN.
DISCHARGE SIZE	10 - 12 IN.
DISCHARGE CONNECTION	THD - FLG
SUCTION SIZE	10 - 12 IN.
SUCTION CONNECTION	THD
MAX. SPHERE SIZE	1.250 IN.
MAX. OPERATIONAL P.S.I.	540 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER DATA IMPELLER NUMBER TYPE THRUST FACTOR EYE AREA WEIGHT IMPELLER DATA 4151 ENCLOSED K=24.80 47.4 SQ. IN. WEIGHT TRIM ANGLE: 35° Minimum submergence above eye of bottom impeller: 34 IN.

EFFICIENCY CORRECTION					
NUMBER OF BOWLS:	1	2	3	4	
CHANGE AS FOLLOWS:	-4	-2	-1	0	
CHANGE IN EFFICIENCY MAY	Y AFFECT	BOTH HE	EAD AND	HORSEPO	WER.

PUMP MATERIAL EFFICIENCY CORRECTION					
	DUCTILE	BRONZE	NI-R	STAINLESS	
IMPELLER MATERIAL:	-2	0	-1	-1	
BOWL MATERIAL:	-2	-1	-2	-2	

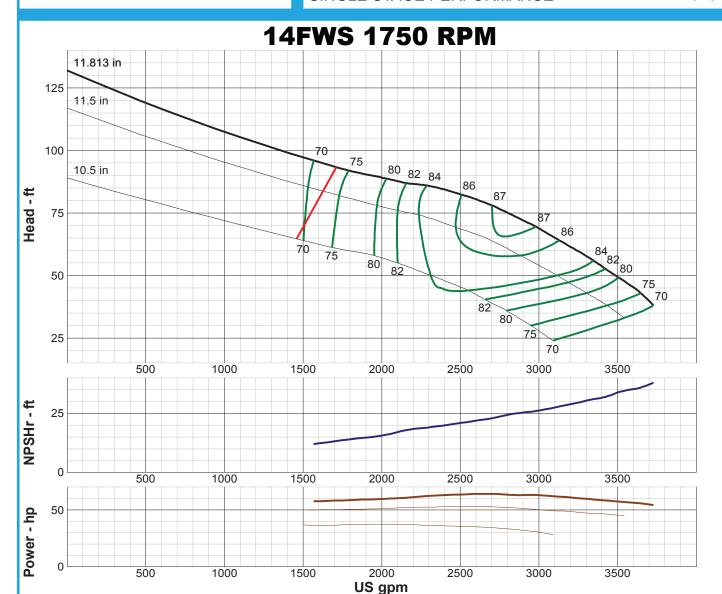
FLANGED BOWL DATA

BOWL NUMBER	4152
BOWL MAX. DIAMETER	14.063 IN.
BOWL MIN. DIAMETER	13.750 IN.
MAX. NO. STAGES	9
ONE STAGE WEIGHT	500 LB.
ADD STAGE WEIGHT	185 LB.
STD. SHAFT DIA.	1.938 IN.
STD. LATERAL	0.875 IN.
DISCHARGE SIZE	10 - 12 IN.
DISCHARGE CONNECTION	THD -FLG
SUCTION SIZE	10 - 12 IN.
SUCTION CONNECTION	THD
MAX. SPHERE SIZE	1.500 IN.
MAX. OPERATIONAL P.S.I.	540 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER DATA				
TYPE S THRUST FACTOR K EYE AREA 4	1153 SEMI-OPEN (=26.20 17.3 SQ. IN. 23.25 LB.	TRIM ANGLE: 35° Minimum submergence above eye of bottom impeller: 34 IN.		

EFFICIENCY CORRECTION						
NUMBER OF BOWLS:	1	2	3	4		
CHANGE AS FOLLOWS:	-4	-2	-1	0		
CHANGE IN EFFICIENCY MAY	Y AFFECT	BOTH HE	EAD AND	HORSEPO	WER.	

PUMP MATERIAL EFFICIENCY CORRECTION					
	DUCTILE	BRONZE	NI-R	STAINLESS	
IMPELLER MATERIAL:	-2	0	-1	-1	
BOWL MATERIAL:	-2	-1	-2	-2	

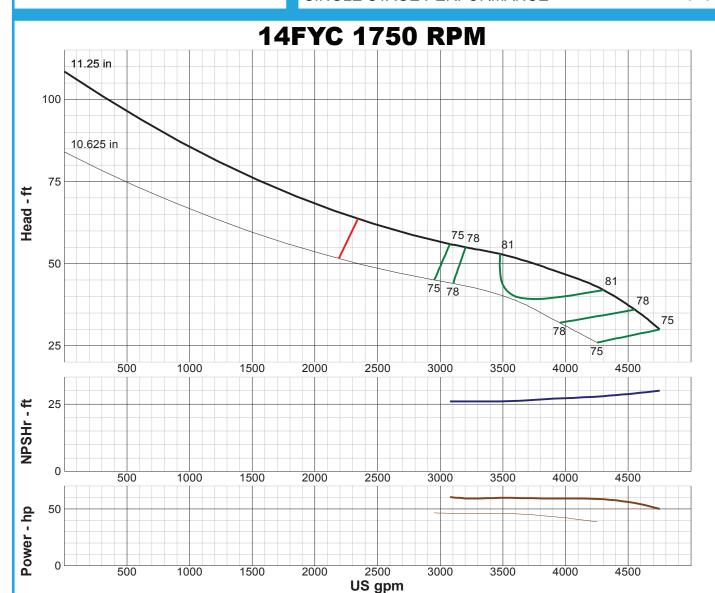
FLANGED BOWL DATA

BOWL NUMBER 4152 **BOWL MAX. DIAMETER** 14.063 IN. **BOWL MIN. DIAMETER** 13.750 IN. MAX. NO. STAGES ONE STAGE WEIGHT 500 LB. ADD STAGE WEIGHT 185 LB. STD. SHAFT DIA. 1.938 IN. 0.875 IN. STD. LATERAL DISCHARGE SIZE 10 - 12 IN. DISCHARGE CONNECTION THD - FLG SUCTION SIZE 10 - 12 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 1.500 IN. 540 (SPECIAL) MAX. OPERATIONAL P.S.I.



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER DATA				
IMPELLER NUMBER TYPE THRUST FACTOR EYE AREA WEIGHT	3878 ENCLOSED K=24.00 57.0 SQ. IN. 28.00 LB.	TRIM ANGLE: 35° Minimum submergence above eye of bottom impeller: 34 IN.		
EFFICIENCY CORRECTION				

EFFICIENCY CORRECTION					
NUMBER OF BOWLS:	1	2	3	4	
CHANGE AS FOLLOWS:	-3	-2	-1	0	
CHANGE IN EFFICIENCY MAY	Y AFFECT	ВОТН НЕ	EAD AND	HORSEPO	WER.

PUMP MATERIAL EFFICIENCY CORRECTION					
	DUCTILE	BRONZE	NI-R	STAINLESS	
IMPELLER MATERIAL:	-2	0	-1	-1	
BOWL MATERIAL:	-2	-1	-2	-2	

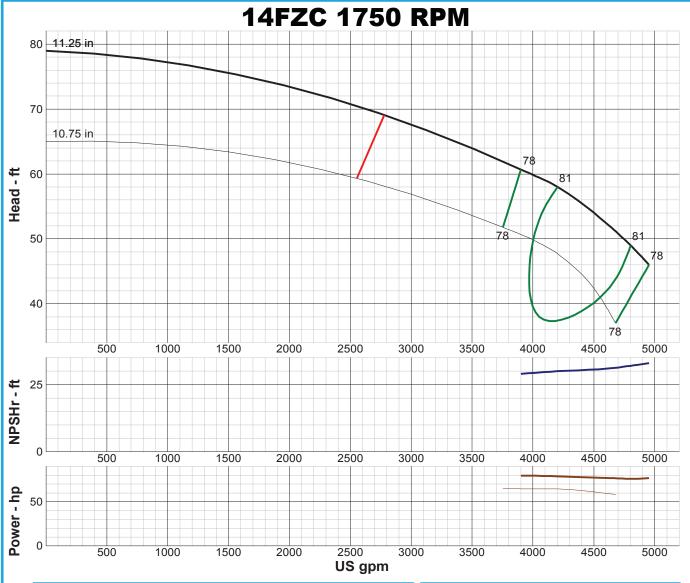
FLANGED BOWL DATA

BOWL NUMBER	3869
BOWL MAX. DIAMETER	13.750 IN.
BOWL MIN. DIAMETER	13.500 IN.
MAX. NO. STAGES	9
ONE STAGE WEIGHT	335 LB.
ADD STAGE WEIGHT	188 LB.
STD. SHAFT DIA.	1.938 IN.
STD. LATERAL	0.635 IN.
DISCHARGE SIZE	10 - 12 IN.
DISCHARGE CONNECTION	THD - FLG
SUCTION SIZE	10 - 12 IN.
SUCTION CONNECTION	THD
MAX. SPHERE SIZE	1.250 IN.
MAX. OPERATIONAL P.S.I.	540 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER DATA				
IMPELLER NUMBER TYPE THRUST FACTOR EYE AREA WEIGHT	3896 ENCLOSED K=24.70 58.5 SQ. IN. 28.00 LB.	TRIM ANGLE: 35° Minimum submergence above eye of bottom impeller: 34 IN.		

EFFICIENCY CORRECTION						
NUMBER OF BOWLS:	1	2	3	4		
CHANGE AS FOLLOWS:	-3	-2	-1	0		
CHANGE IN EFFICIENCY MAY	Y AFFECT	ВОТН НЕ	EAD AND	HORSEPO	WER.	

PUMP MATERIAL EFFICIENCY CORRECTION					
	DUCTILE	BRONZE	NI-R	STAINLESS	
IMPELLER MATERIAL:	-2	0	-1	-1	
BOWL MATERIAL:	-2	-1	-2	-2	

FLANGED BOWL DATA

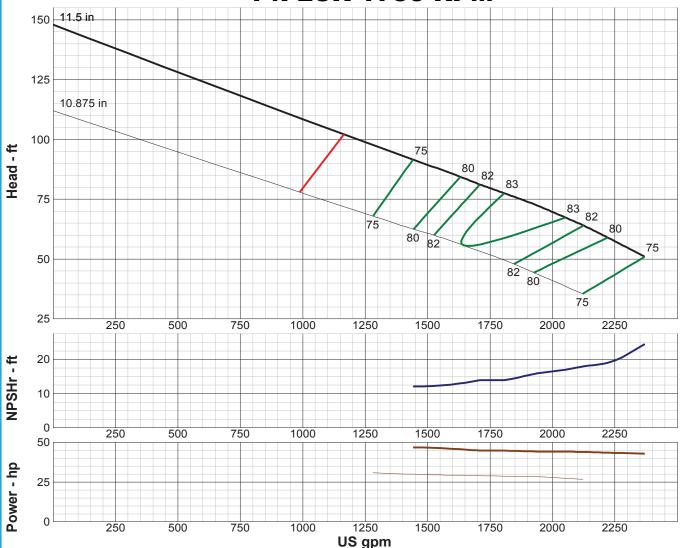
BOWL NUMBER 3869 **BOWL MAX. DIAMETER** 13.750 IN. **BOWL MIN. DIAMETER** 13.500 IN. MAX. NO. STAGES ONE STAGE WEIGHT 335 LB. ADD STAGE WEIGHT 188 LB. STD. SHAFT DIA. 1.938 IN. 0.625 IN. STD. LATERAL DISCHARGE SIZE 10 - 12 IN. DISCHARGE CONNECTION THD - FLG SUCTION SIZE 10 - 12 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 1.250 IN. 540 (SPECIAL) MAX. OPERATIONAL P.S.I.



SINGLE STAGE PERFORMANCE

APRIL 2020





IMPELLER DATA

IMPELLER NUMBER0098TYPEENCLOSEDTHRUST FACTORK=15.50EYE AREA37.8 SQ. IN.WEIGHT26.00 LB.

TRIM ANGLE: 31°

Minimum submergence above eye of bottom impeller: 36 IN.

EFFICIENCY CORRECTION

NUMBER OF BOWLS:	1	2	3	
CHANGE AS FOLLOWS:	-4	-2	0	

CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-1
BOWL MATERIAL:	-2	-1	-2	-2

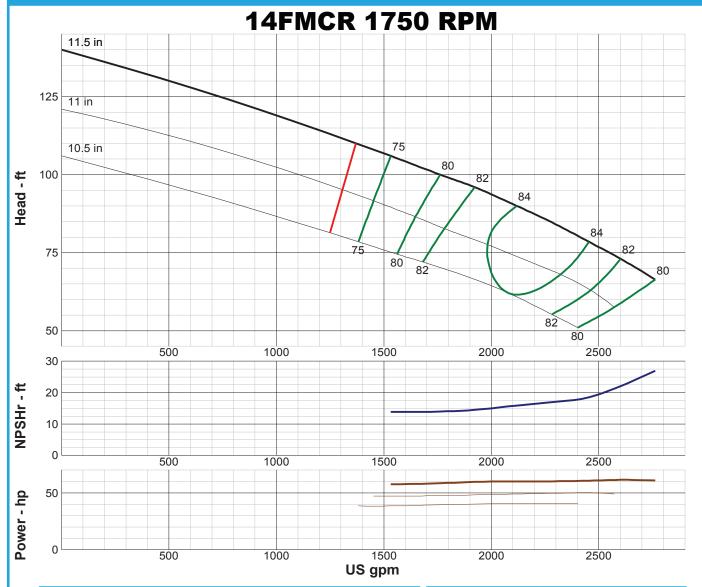
FLANGED BOWL DATA

BOWL NUMBER 5447 **BOWL MAX. DIAMETER** 14.250 IN. **BOWL MIN. DIAMETER** 14.125 IN. MAX. NO. STAGES ONE STAGE WEIGHT 700 LB. ADD STAGE WEIGHT 265 LB. STD. SHAFT DIA. 2.188 IN. STD. LATERAL 0.813 IN. DISCHARGE SIZE 10 - 12 IN. DISCHARGE CONNECTION THD - FLG SUCTION SIZE 10 - 12 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 1.250 IN. MAX. OPERATIONAL P.S.I. 540 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER DATA					
IMPELLER NUMBER TYPE THRUST FACTOR EYE AREA WEIGHT	0101 ENCLOSED K=15.50 37.8 SQ. IN. 26.00 LB.	TRIM ANGLE: 31° Minimum submergence above eye of bottom impeller: 36 IN.			
EFI	EFFICIENCY CORRECTION				

EFFICIENCY CORRECTION						
NUMBER OF BOWLS:	1	2	3			
CHANGE AS FOLLOWS:	-4	-2	0			
CHANGE IN EFFICIENCY MAY	Y AFFECT	ГВОТН НЕ	AD AND	HORSEPO	OWER.	

PUMP MATERIAL EFFICIENCY CORRECTION					
	DUCTILE BRONZE NI-R STAINLESS				
IMPELLER MATERIAL:	-2	0	-1	-1	
BOWL MATERIAL:	-2	-1	-2	-2	

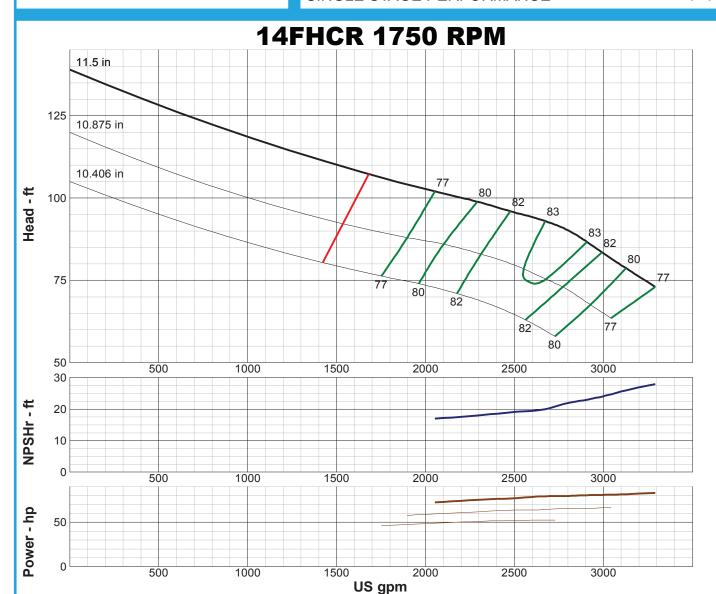
FLANGED BOWL DATA

BOWL NUMBER 5447 **BOWL MAX. DIAMETER** 14.250 IN. **BOWL MIN. DIAMETER** 14.125 IN. MAX. NO. STAGES ONE STAGE WEIGHT 700 LB. ADD STAGE WEIGHT 265 LB. STD. SHAFT DIA. 2.188 IN. 0.813 IN. STD. LATERAL DISCHARGE SIZE 10 - 12 IN. DISCHARGE CONNECTION THD - FLG SUCTION SIZE 10 - 12 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 1.250 IN. MAX. OPERATIONAL P.S.I. 540 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER DATA					
IMPELLER NUMBER TYPE THRUST FACTOR EYE AREA WEIGHT	0103 ENCLOSED K=15.50 37.8 SQ. IN. 26.00 LB.	TRIM ANGLE: 31° Minimum submergence above eye of bottom impeller: 36 IN.			
EFFICIENCY CORRECTION					

EITIGIENCI CONNECTION						
NUMBER OF BOWLS:	1	2	3			
CHANGE AS FOLLOWS:	-4	-2	0			
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.						

PUMP MATERIAL EFFICIENCY CORRECTION					
	DUCTILE BRONZE NI-R STAINLESS				
IMPELLER MATERIAL:	-2	0	-1	-1	
BOWL MATERIAL:	-2	-1	-2	-2	

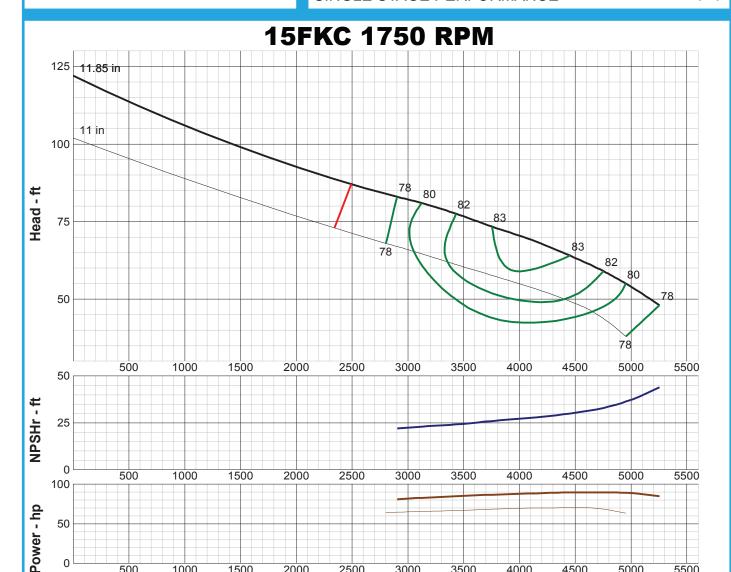
FLANGED BOWL DATA

BOWL NUMBER	5447
BOWL MAX. DIAMETER	14.250 IN.
BOWL MIN. DIAMETER	14.125 IN.
MAX. NO. STAGES	18
ONE STAGE WEIGHT	700 LB.
ADD STAGE WEIGHT	265 LB.
STD. SHAFT DIA.	2.188 IN.
STD. LATERAL	0.813 IN.
DISCHARGE SIZE	10 - 12 IN.
DISCHARGE CONNECTION	THD - FLG
SUCTION SIZE	10 - 12 IN.
SUCTION CONNECTION	THD
MAX. SPHERE SIZE	1.250 IN.
MAX. OPERATIONAL P.S.I.	540 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020



2500

3000

US gpm

3500

4000

IMPELLER DATA				
IMPELLER NUMBER TYPE THRUST FACTOR EYE AREA WEIGHT	0004 ENCLOSED K=28.00 63.6 SQ. IN. 30.00 LB.	TRIM ANGLE: 34° Minimum submergence above eye of bottom impeller: 36 IN.		
EEI	FICIENCY C	OPPECTION		

1500

2000

1000

500

EFFICIENCY CORRECTION						
NUMBER OF BOWLS:	1	2	3	4		
CHANGE AS FOLLOWS:	-3	-2	-1	0		
CHANGE IN EFFICIENCY MAY	Y AFFECT	BOTH HE	AD AND	HORSEPO	WER.	

PUMP MATERIAL EFFICIENCY CORRECTION					
DUCTILE BRONZE NI-R STAINLESS					
IMPELLER MATERIAL:	-2	0	-1	-1	
BOWL MATERIAL:	-2	-1	-2	-2	

FLANGED BOWL DATA

4500

5000

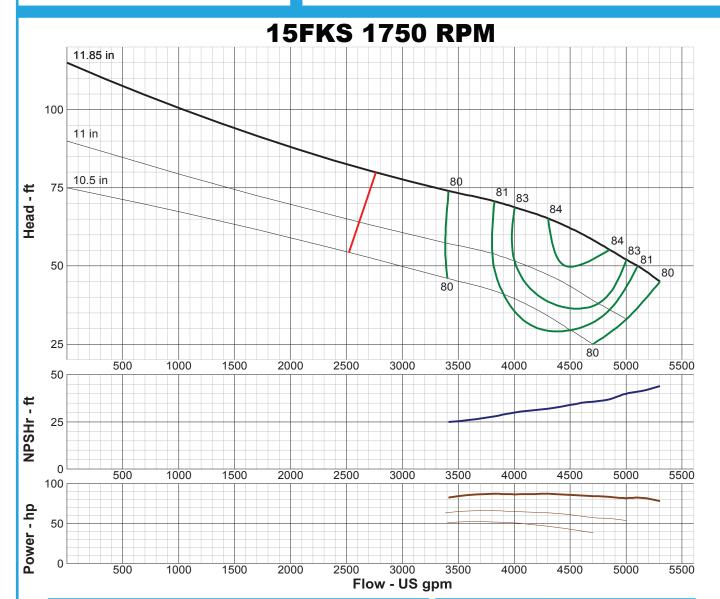
5500

BOWL NUMBER BOWL MAX. DIAMETER 15.250 IN. **BOWL MIN. DIAMETER** 14.750 IN. MAX. NO. STAGES 510 LB. ONE STAGE WEIGHT ADD STAGE WEIGHT 195 LB. STD. SHAFT DIA. 1.938 IN. 0.688 IN. STD. LATERAL DISCHARGE SIZE 10 - 12 IN. DISCHARGE CONNECTION THD - FLG SUCTION SIZE 10 - 12 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 2.250 IN. 540 (SPECIAL) MAX. OPERATIONAL P.S.I.



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER DATA				
IMPELLER NUMBER TYPE THRUST FACTOR EYE AREA WEIGHT	0004 SEMI-OPEN K=30.00 63.6 SQ. IN. 21.00 LB.	Minimum submergence above eye of bottom impeller: 36 IN.		

EFFICIENCY CORRECTION						
NUMBER OF BOWLS:	1	2	3	4		
CHANGE AS FOLLOWS:	-3	-2	-1	0		
CHANGE IN EFFICIENCY MAY	Y AFFECT	ГВОТН НЕ	EAD AND	HORSEPO	WER.	

PUMP MATERIAL EFFICIENCY CORRECTION				
DUCTILE BRONZE NI-R STAINLESS				STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-1
BOWL MATERIAL:	-2	-1	-2	-2

FLANGED BOWL DATA

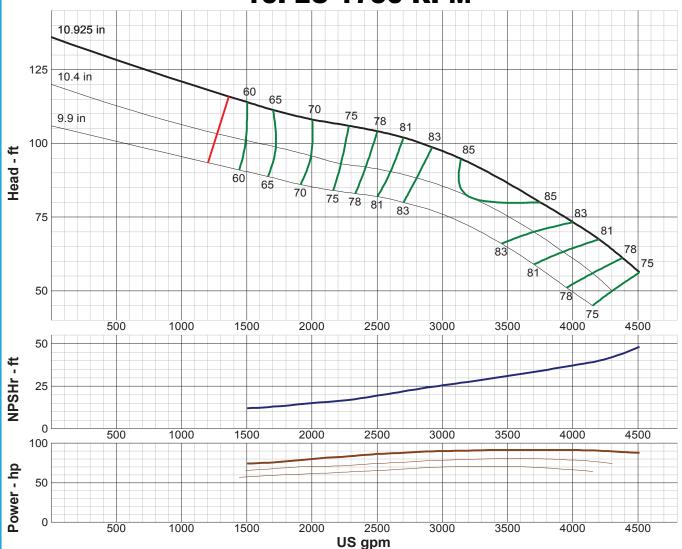
BOWL NUMBER 0001 **BOWL MAX. DIAMETER** 15.250 IN. **BOWL MIN. DIAMETER** 14.750 IN. MAX. NO. STAGES 375 LB. ONE STAGE WEIGHT ADD STAGE WEIGHT 170 LB. STD. SHAFT DIA. 1.938 IN. 0.688 IN. STD. LATERAL DISCHARGE SIZE 10 - 12 IN. DISCHARGE CONNECTION THD - FLG SUCTION SIZE 10 - 12 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 2.250 IN. 540 (SPECIAL) MAX. OPERATIONAL P.S.I.



SINGLE STAGE PERFORMANCE

APRIL 2020

16FLC 1750 RPM



IMPELLER DATA

IMPELLER NUMBER
TYPE ENCLOSED
THRUST FACTOR K=20.00
EYE AREA 51.3 SQ. IN.
WEIGHT 32.30 LB.

TRIM ANGLE: 14°

Minimum submergence above eye of bottom impeller: 32 IN.

NUMBER OF BOWLS: 1 2 3

CHANGE AS FOLLOWS: -2 -1 0 CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-1
BOWL MATERIAL:	-2	-1	-2	-2

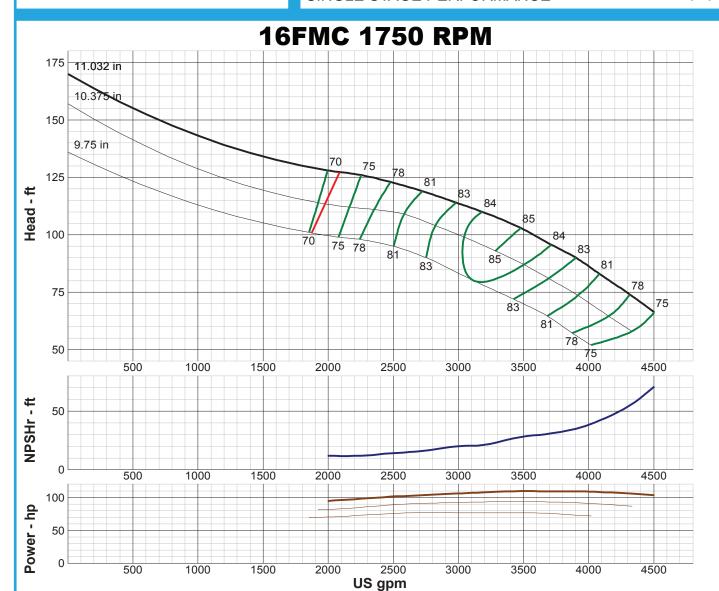
FLANGED BOWL DATA

BOWL BUMBER BOWL MAX. DIAMETER 15.375 IN. **BOWL MIN. DIAMETER** 15.375 IN. MAX. NO. STAGES 630 LB. ONE STAGE WEIGHT 260 LB. ADD STAGE WEIGHT STD. SHAFT DIA. 2.250 IN 0.563 IN. STD. LATERAL DISCHARGE SIZE N/A DISCHARGE CONNECTION FLG SUCTION BELL DIA. 16.750 IN. SUCTION CONNECTION **BELL** MAX. SPHERE SIZE 1.375 IN. MAX. OPERATIONAL P.S.I. 300 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER DATA

IMPELLER NUMBER
TYPE ENCLOSED
THRUST FACTOR K=23.00
EYE AREA 58.4 SQ. IN.
WEIGHT 42.00 LB.

TRIM ANGLE: 27°

Minimum submergence above eye of bottom impeller: 36 IN.

NUMBER OF BOWLS: 1 2 3 CHANGE AS FOLLOWS: -2 -1 0

CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTIONDUCTILEBRONZENI-RSTAINLESSIMPELLER MATERIAL:-20-1-1BOWL MATERIAL:-2-1-2-2

FLANGED BOWL DATA

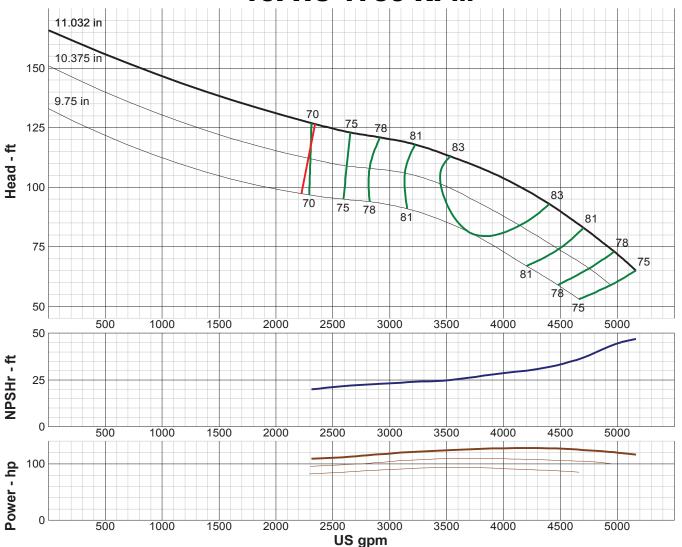
BOWL BUMBER BOWL MAX. DIAMETER 16.000 IN. **BOWL MIN. DIAMETER** 16.000 IN. MAX. NO. STAGES 630 LB. ONE STAGE WEIGHT ADD STAGE WEIGHT 260 LB. STD. SHAFT DIA. 2.250 IN STD. LATERAL 0.750 IN. DISCHARGE SIZE N/A DISCHARGE CONNECTION FLG SUCTION BELL DIA. 17.375 IN. SUCTION CONNECTION **BELL** MAX. SPHERE SIZE 1.688 IN. MAX. OPERATIONAL P.S.I. 300 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020

16FHC 1750 RPM



IMPELLER DATA

IMPELLER NUMBER
TYPE ENCLOSED
THRUST FACTOR K=23.00
EYE AREA 58.4 SQ. IN.
WEIGHT 52.00 LB.

TRIM ANGLE: 27°

Minimum submergence above eye of bottom impeller: 36 IN.

EFFICIENCY CORRECTION

NUMBER OF BOWLS:	1	2	3			
CHANGE AS FOLLOWS:	-2	-0.5	0			
CHANGE IN EFFICIENCY MAY AFFECT DOTH HEAD AND HODGEDOWED						

CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-1
BOWL MATERIAL:	-2	-1	-2	-2

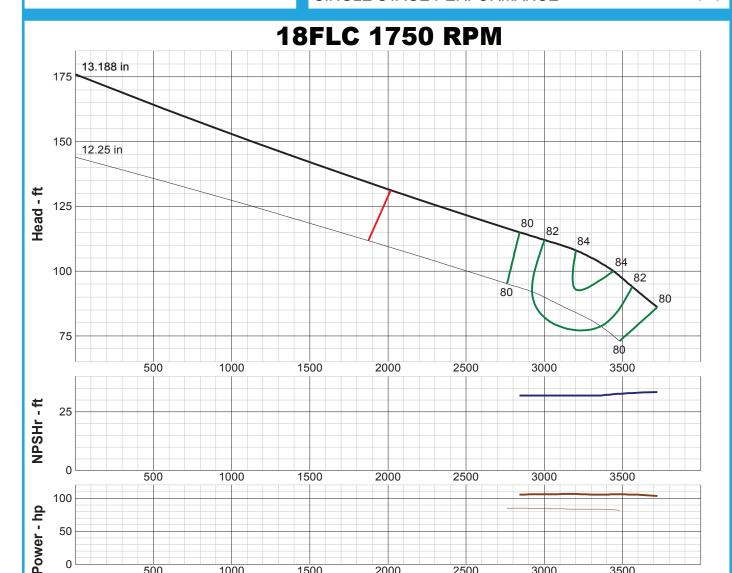
FLANGED BOWL DATA

BOWL BUMBER BOWL MAX. DIAMETER 16.000 IN. **BOWL MIN. DIAMETER** 16.000 IN. MAX. NO. STAGES 630 LB. ONE STAGE WEIGHT ADD STAGE WEIGHT 260 LB. STD. SHAFT DIA. 2.250 IN. STD. LATERAL 0.750 IN. DISCHARGE SIZE N/A DISCHARGE CONNECTION FLG SUCTION BELL DIA. 17.375 IN. SUCTION CONNECTION **BELL** MAX. SPHERE SIZE 1.688 IN. MAX. OPERATIONAL P.S.I. 300 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER DATA				
IMPELLER NUMBER TYPE THRUST FACTOR EYE AREA WEIGHT	3914 ENCLOSED K=21.75 46.0 SQ. IN. 42.00 LB.	TRIM ANGLE: 20° Minimum submergence above eye of bottom impeller: 48 IN.		

1000

500

1500

EFFICIENCY CORRECTION					
NUMBER OF BOWLS:	1	2	3		
CHANGE AS FOLLOWS:	-2	-1	0		
CHANGE IN EFFICIENCY MAY	Y AFFECT	BOTH HE	EAD AND	HORSEPO	WER.

PUMP MATERIAL EFFICIENCY CORRECTION					
DUCTILE BRONZE NI-R STAINLESS					
IMPELLER MATERIAL:	-2	0	-1	-1	
BOWL MATERIAL:	-2	-1	-2	-2	

FLANGED BOWL DATA

3500

3000

BOWL NUMBER BOWL MAX. DIAMETER 17.750 IN. **BOWL MIN. DIAMETER** 17.500 IN. MAX. NO. STAGES ONE STAGE WEIGHT 750 LB. ADD STAGE WEIGHT 325 LB. STD. SHAFT DIA. 2.188 IN. STD. LATERAL 0.500 IN. DISCHARGE SIZE N/A DISCHARGE CONNECTION FLG SUCTION BELL SIZE 18.000 IN. SUCTION CONNECTION **BELL** MAX. SPHERE SIZE 1.250 IN. 450 (SPECIAL) MAX. OPERATIONAL P.S.I.

Performance based on pumping clear, fresh water at a temperature not over 85° F., free of gas, air or abrasives and with bowls properly adjusted and submerged. Performance curve reflects Hydraulic Institute tolerances and guidelines.

2000

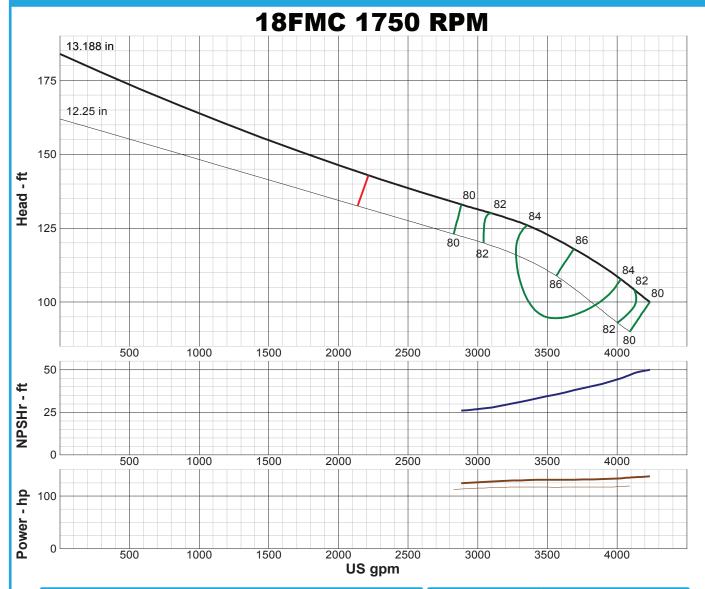
US gpm

2500



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER DATA				
IMPELLER NUMBER TYPE THRUST FACTOR EYE AREA WEIGHT	3923 ENCLOSED K=21.75 50.3 SQ. IN. 42.00 LB.	TRIM ANGLE: 20° Minimum submergence above eye of bottom impeller: 48 IN.		

EFFICIENCY CORRECTION					
NUMBER OF BOWLS:	1	2	3		
CHANGE AS FOLLOWS:	-2	-1	0		
CHANGE IN EFFICIENCY MAY	CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER				

PUMP MATERIAL EFFICIENCY CORRECTION					
	DUCTILE	BRONZE	NI-R	STAINLESS	
IMPELLER MATERIAL:	-2	0	-1	-1	
BOWL MATERIAL:	-2	-1	-2	-2	

FLANGED BOWL DATA

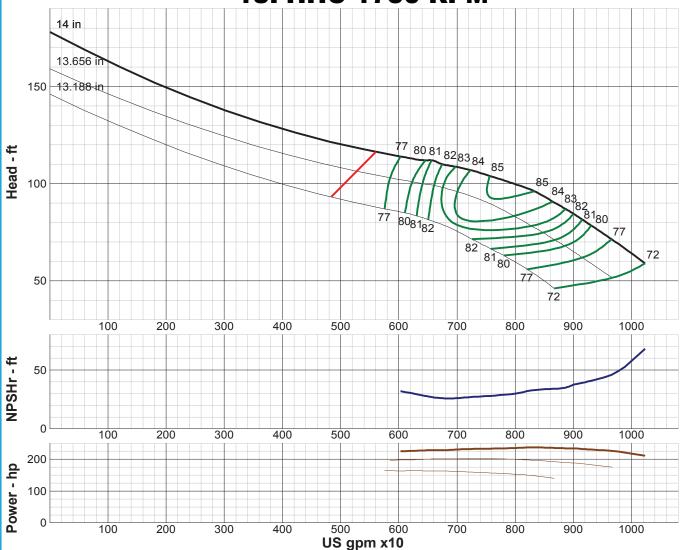
BOWL NUMBER BOWL MAX. DIAMETER 17.750 IN. BOWL MIN. DIAMETER 17.500 IN. MAX. NO. STAGES ONE STAGE WEIGHT 750 LB. ADD STAGE WEIGHT 325 LB. STD. SHAFT DIA. 2.188 IN. STD. LATERAL 0.500 IN. DISCHARGE SIZE N/A DISCHARGE CONNECTION FLG SUCTION BELL DIA. 18.000 IN. SUCTION CONNECTION **BELL** MAX. SPHERE SIZE 1.250 IN. 450 (SPECIAL) MAX. OPERATIONAL P.S.I.



SINGLE STAGE PERFORMANCE

APRIL 2020





IMPELLER DATA

IMPELLER NUMBER 0777 **TYPE ENCLOSED** THRUST FACTOR K=32.00 **EYE AREA** 102 SQ. IN. WEIGHT

TRIM ANGLE: 30°

Minimum submergence above eye of bottom impeller: 48 IN.

EFFICIENCY CORRECTION

NUMBER OF BOWLS:	1	2				
CHANGE AS FOLLOWS:	-0.5	0				
CHANCE IN EFFICIENCY MAY AFFECT DOTH HEAD AND HODGEDOWED						

CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-2	-2
BOWL MATERIAL:	-2	-1	-2	-2

FLANGED BOWL DATA

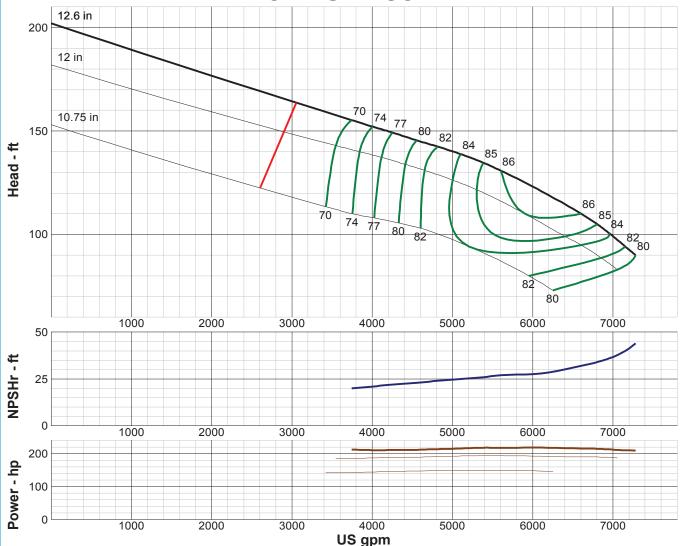
BOWL NUMBER 0224 **BOWL MAX. DIAMETER** 18.625 IN. **BOWL MIN. DIAMETER** 18.250 IN. MAX. NO. STAGES LB. ONE STAGE WEIGHT ADD STAGE WEIGHT LB. STD. SHAFT DIA. 2.188 IN. STD. LATERAL 0.750 IN. DISCHARGE SIZE N/A DISCHARGE CONNECTION FLG SUCTION BELL DIA. 18.813 IN. SUCTION CONNECTION **BELL** MAX. SPHERE SIZE 1.250 IN. 450 (SPECIAL) MAX. OPERATIONAL P.S.I.



SINGLE STAGE PERFORMANCE

APRIL 2020





IMPELLER DATA

IMPELLER NUMBER
TYPE ENCLOSED
THRUST FACTOR K=32.00
EYE AREA 74.5 SQ. IN.
WEIGHT 54.00 LB.

TRIM ANGLE: 26°

Minimum submergence above eye of bottom impeller: 42 IN.

EFFICIENCY CORRECTION

CHANGE AS FOLLOWS:	-1	0				
NUMBER OF BOWLS:	1	2				

CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-2	-2
BOWL MATERIAL:	-2	-2	-2	-2

FLANGED BOWL DATA

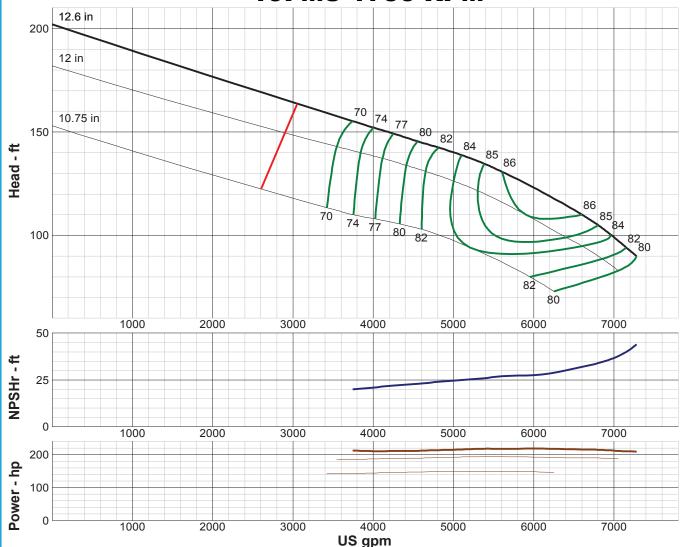
BOWL BUMBER BOWL MAX. DIAMETER 18.625 IN. **BOWL MIN. DIAMETER** 18.625 IN. MAX. NO. STAGES 770 LB. ONE STAGE WEIGHT 447 LB. ADD STAGE WEIGHT STD. SHAFT DIA. 2.188 IN STD. LATERAL 0.750 IN. DISCHARGE SIZE N/A DISCHARGE CONNECTION FLG SUCTION BELL DIA. 21.000 IN. SUCTION CONNECTION **BELL** MAX. SPHERE SIZE 1.000 IN. MAX. OPERATIONAL P.S.I. 350 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020





IMPELLER DATA

IMPELLER NUMBER
TYPE SEMI-OPEN
THRUST FACTOR K=32.00
EYE AREA 74.5 SQ. IN.
WEIGHT 54.00 LB.

NUMBER OF BOWLS:

TRIM ANGLE: 26°

Minimum submergence above eye of bottom impeller: 42 IN.

EFFICIENCY CORRECTION

		_					
CHANGE AS FOLLOWS:	-1	0					
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEDOWER							

CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER

PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-2	-2
BOWL MATERIAL:	-2	-2	-2	-2

FLANGED BOWL DATA

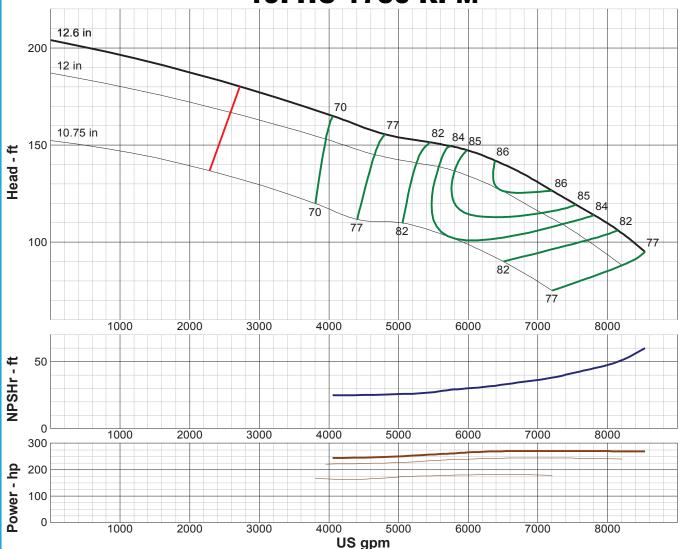
BOWL BUMBER BOWL MAX. DIAMETER 18.625 IN. **BOWL MIN. DIAMETER** 18.625 IN. MAX. NO. STAGES 770 LB. ONE STAGE WEIGHT ADD STAGE WEIGHT 447 LB. STD. SHAFT DIA. 2.188 IN STD. LATERAL 0.750 IN. DISCHARGE SIZE N/A DISCHARGE CONNECTION FLG SUCTION BELL DIA. 21.000 IN. SUCTION CONNECTION **BELL** MAX. SPHERE SIZE 1.000 IN. MAX. OPERATIONAL P.S.I. 350 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020





IMPELLER DATA

IMPELLER NUMBER **TYPE ENCLOSED** THRUST FACTOR K=32.00 **EYE AREA** 74.5 SQ. IN. WEIGHT 54.00 LB.

TRIM ANGLE: 26°

Minimum submergence above eye of bottom impeller: 42 IN.

EFFICIENCY CORRECTION

NUMBER OF BOWLS:	1	2				
CHANGE AS FOLLOWS:	-1	0				
CHANGE IN EFFICIENCY MAY AFFECT DOTH HEAD AND HODGEDOWED						

CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-2	-2
BOWL MATERIAL:	-2	-2	-2	-2

FLANGED BOWL DATA

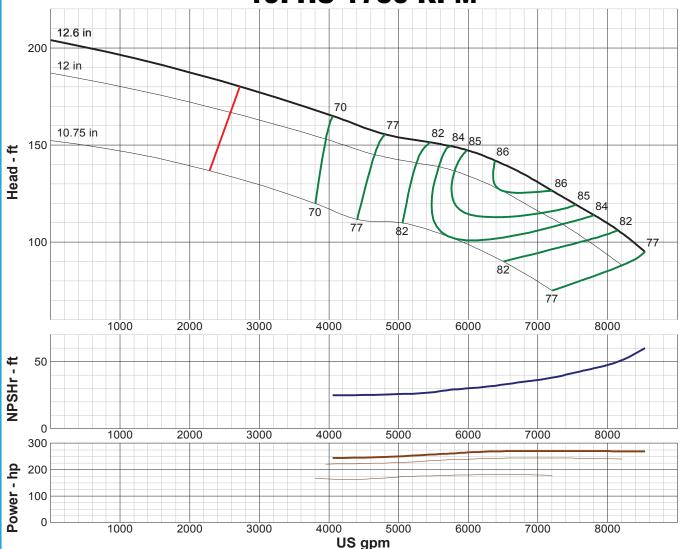
BOWL BUMBER BOWL MAX. DIAMETER 18.625 IN. **BOWL MIN. DIAMETER** 18.625 IN. MAX. NO. STAGES ONE STAGE WEIGHT 770 LB. ADD STAGE WEIGHT 447 LB. STD. SHAFT DIA. 2.188 IN STD. LATERAL 0.750 IN. DISCHARGE SIZE N/A DISCHARGE CONNECTION FLG SUCTION BELL DIA. 21.000 IN. SUCTION CONNECTION **BELL** MAX. SPHERE SIZE 1.000 IN. MAX. OPERATIONAL P.S.I. 350 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020





IMPELLER DATA

IMPELLER NUMBER **TYPE** SEMI-OPEN THRUST FACTOR K=32.00 **EYE AREA** 74.5 SQ. IN. WEIGHT 54.00 LB.

TRIM ANGLE: 26°

Minimum submergence above eye of bottom impeller: 42 IN.

EFFICIENCY CORRECTION

NUMBER OF BOWLS:	1	2				
CHANGE AS FOLLOWS:	-1	0				
CHANGE IN EFFICIENCY MAY AFFECT DOTH HEAD AND HODGEDOWED						

CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-2	-2
BOWL MATERIAL:	-2	-2	-2	-2

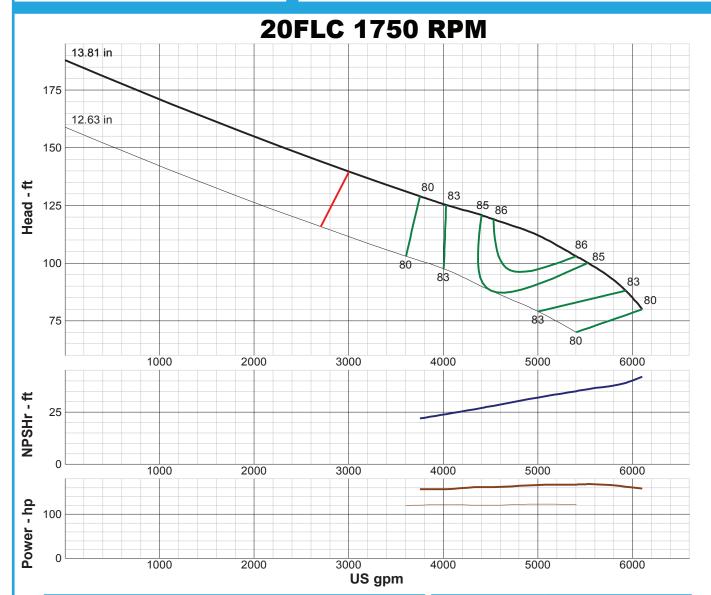
FLANGED BOWL DATA

BOWL BUMBER BOWL MAX. DIAMETER 18.625 IN. **BOWL MIN. DIAMETER** 18.625 IN. MAX. NO. STAGES ONE STAGE WEIGHT 770 LB. ADD STAGE WEIGHT 447 LB. STD. SHAFT DIA. 2.188 IN STD. LATERAL 0.750 IN. DISCHARGE SIZE N/A DISCHARGE CONNECTION FLG SUCTION BELL DIA. 21.000 IN. SUCTION CONNECTION **BELL** MAX. SPHERE SIZE 1.000 IN. MAX. OPERATIONAL P.S.I. 350 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER DATA						
IMPELLER NUMBER TYPE THRUST FACTOR EYE AREA WEIGHT	4838 ENCLOSED K=29.40 72.6 SQ. IN. 69.00 LB.	TRIM ANGLE: 27° Minimum submergence above eye of bottom impeller: 33 IN.				

EFFICIENCY CORRECTION						
NUMBER OF BOWLS:	1	2				
CHANGE AS FOLLOWS:	-2	0				
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER						

PUMP MATERIAL EFFICIENCY CORRECTION					
	DUCTILE	BRONZE	NI-R	STAINLESS	
IMPELLER MATERIAL:	-1	0	-1	-1	
BOWL MATERIAL:	-1	-2	-2	-2	

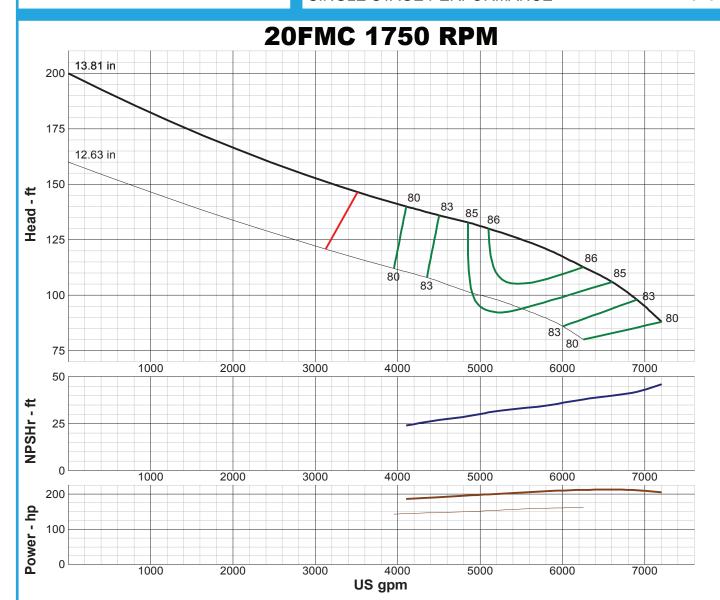
FLANGED BOWL DATA

BOWL NUMBER BOWL MAX. DIAMETER 19.875 IN. BOWL MIN. DIAMETER 19.250 IN. MAX. NO. STAGES ONE STAGE WEIGHT 790 LB. ADD STAGE WEIGHT 569 LB. STD. SHAFT DIA. 2.438 IN. STD. LATERAL 0.750 IN. DISCHARGE SIZE N/A DISCHARGE CONNECTION FLG SUCTION BELL DIA. 20.875 IN. SUCTION CONNECTION **BELL** MAX. SPHERE SIZE 2.000 IN. MAX. OPERATIONAL P.S.I. 350 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020



	IMPELLI	ER DATA
IMPELLER NUMBER	4847	TRIM AN

 IMPELLER NUMBER
 4847

 TYPE
 ENCLOSED

 THRUST FACTOR
 K=29.40

 EYE AREA
 72.6 SQ. IN.

 WEIGHT
 69.00 LB.

TRIM ANGLE: 27°

Minimum submergence above eye of bottom impeller: 33 IN.

EFFICIENCY CORRECTION

NUMBER OF BOWLS:	1	2				
CHANGE AS FOLLOWS:	-2	0				
CHANGE IN FEFICIENCY MAY AFFECT BOTH LIFAD AND LIGHT DOWNER						

CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-1	0	-1	-1
BOWL MATERIAL:	-1	-2	-2	-2

FLANGED BOWL DATA

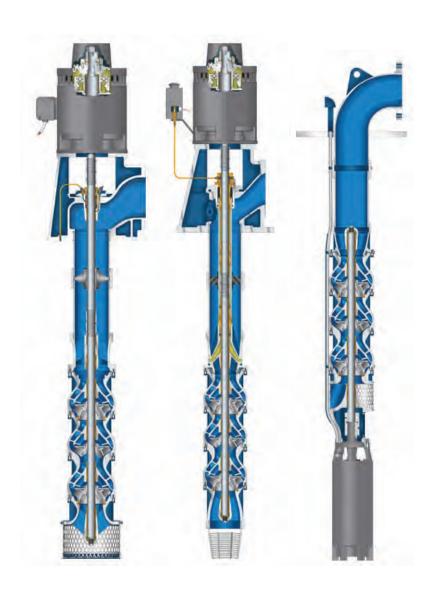
BOWL NUMBER BOWL MAX. DIAMETER 19.875 IN. **BOWL MIN. DIAMETER** 19.250 IN. MAX. NO. STAGES 790 LB. ONE STAGE WEIGHT ADD STAGE WEIGHT 569 LB. STD. SHAFT DIA. 2.438 IN. STD. LATERAL 0.750 IN. DISCHARGE SIZE N/A DISCHARGE CONNECTION FLG SUCTION BELL DIA. 20.875 IN. SUCTION CONNECTION **BELL** MAX. SPHERE SIZE 2.000 IN. MAX. OPERATIONAL P.S.I. 350 (SPECIAL)



PERFORMANCE CURVES

LINESHAFT & SUBMERSIBLE

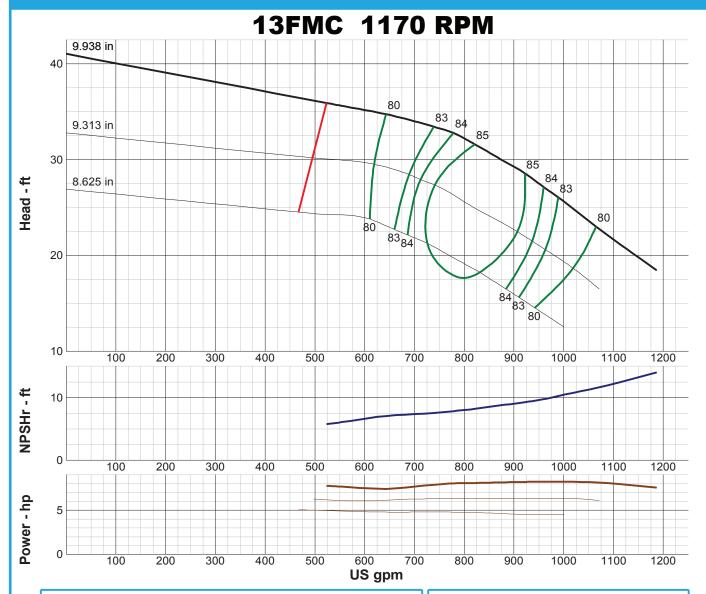
1180 RPM





SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER	DATA
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IMPELLER NUMBER	2999 ENCLOSED
THRUST FACTOR	K=7.90
EYE AREA	23.4 SQ. IN.
WEIGHT	14.70 LB.

TRIM ANGLE: 30°

Minimum submergence above eye of bottom impeller: 24 IN.

EFFICIENCY CORRECTION							
NUMBER OF BOWLS:	1	2	3	4	5		
CHANGE AS FOLLOWS:	-4	-3	-2	-1	0		
CHANGE IN EFFICIENCY MAY	Y AFFECT	BOTH HE	AD AND	HORSEPO)WFR		

PUMP MATERIAL EFFICIENCY CORRECTION					
	DUCTILE	BRONZE	NI-R	STAINLESS	
IMPELLER MATERIAL:	-2	0	-1	-1	
BOWL MATERIAL:	-2	-1	-1	-3	

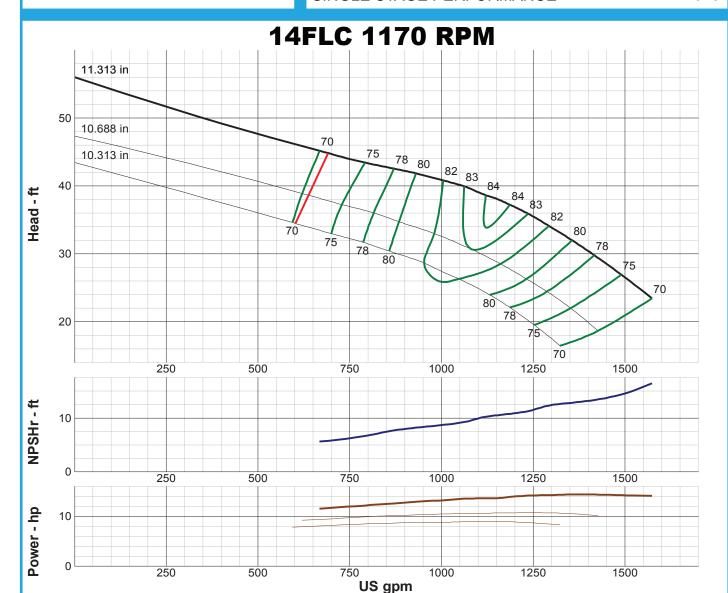
FLANGED BOWL DATA

BOWL NUMBER	2998
BOWL MAX. DIAMETER	12.500 IN.
BOWL MIN. DIAMETER	12.125 IN.
MAX. NO. STAGES	13
ONE STAGE WEIGHT	240 LB.
ADD STAGE WEIGHT	115 LB.
STD. SHAFT DIA.	1.688 IN.
STD. LATERAL	0.813 IN.
DISCHARGE SIZE	8 - 10 IN.
DISCHARGE CONNECTION	THD - FLG
SUCTION SIZE	8 - 10 IN.
SUCTION CONNECTION	THD
MAX. SPHERE SIZE	0.750 IN.
MAX. OPERATIONAL P.S.I.	584 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER DATA						
IMPELLER NUMBER TYPE THRUST FACTOR EYE AREA WEIGHT	3105 ENCLOSED K=17.20 31.5 SQ. IN. 28.00 LB.	TRIM ANGLE: 23° Minimum submergence above eye of bottom impeller: 30 IN.				
EFFICIENCY CORRECTION						

		001111	-00.	•	
NUMBER OF BOWLS:	1	2	3	4	
CHANGE AS FOLLOWS:	-4	-2	-1	0	
CHANGE IN EFFICIENCY MAY	Y AFFECT	ВОТН НЕ	EAD AND	HORSEPO	WER.

PUMP MATERIAL EFFICIENCY CORRECTION					
	DUCTILE	BRONZE	NI-R	STAINLESS	
IMPELLER MATERIAL:	-2	0	-1	-1	
BOWL MATERIAL:	-2	-1	-2	-2	

FLANGED BOWL DATA

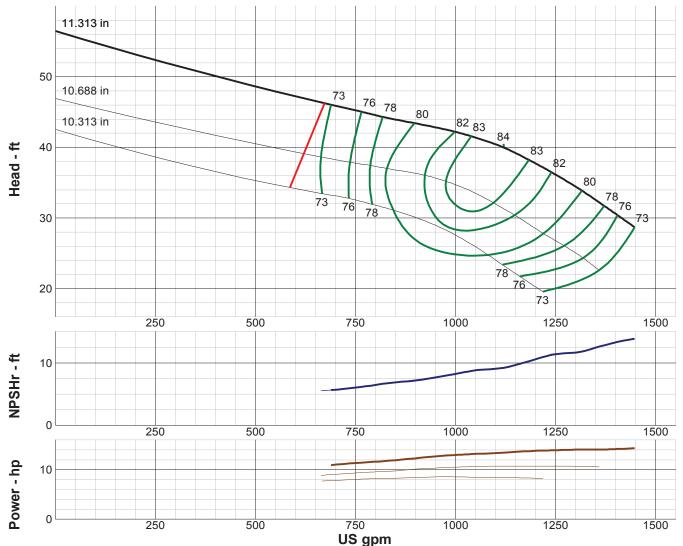
BOWL NUMBER	3106
BOWL MAX. DIAMETER	13.500 IN.
BOWL MIN. DIAMETER	13.250 IN.
MAX. NO. STAGES	27
ONE STAGE WEIGHT	490 LB.
ADD STAGE WEIGHT	175 LB.
STD. SHAFT DIA.	1.938 IN.
STD. LATERAL	0.875 IN.
DISCHARGE SIZE	10 - 12 IN.
DISCHARGE CONNECTION	THD - FLG
SUCTION SIZE	10 - 12 IN.
SUCTION CONNECTION	THD
MAX. SPHERE SIZE	0.750 IN.
MAX. OPERATIONAL P.S.I.	540 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020





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IMPELLER NUMBER 3107
TYPE ENCLOSED
THRUST FACTOR K=19.70
EYE AREA 31.5 SQ. IN.
WEIGHT 18.50 LB.

TRIM ANGLE: 23°

Minimum submergence above eye of bottom impeller: 30 IN.

EFFICIENCY CORRECTION NUMBER OF BOWLS: 1 2 3 CHANGE AS FOLLOWS: -2 -1 0

CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTION					
	DUCTILE	BRONZE	NI-R	STAINLESS	
IMPELLER MATERIAL:	-2	0	-1	-1	
BOWL MATERIAL:	-2	-1	-2	-2	

FLANGED BOWL DATA

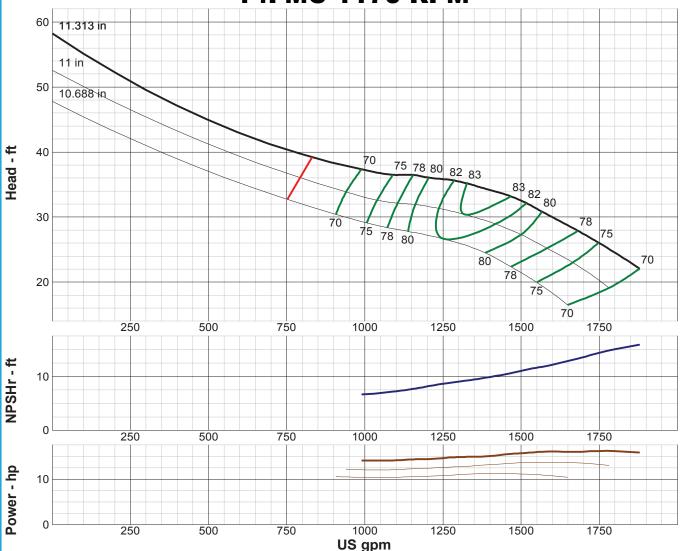
BOWL NUMBER BOWL MAX. DIAMETER 13.500 IN. **BOWL MIN. DIAMETER** 13.250 IN. MAX. NO. STAGES 490 LB. ONE STAGE WEIGHT ADD STAGE WEIGHT 175 LB. STD. SHAFT DIA. 1.938 IN. STD. LATERAL 0.875 IN. DISCHARGE SIZE 10 - 12 IN. DISCHARGE CONNECTION THD - FLG SUCTION SIZE 10 - 12 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 0.750 IN. MAX. OPERATIONAL P.S.I. 540 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020





IMPELLER DATA

IMPELLER NUMBER TYPE THRUST FACTOR EYE AREA	3065 ENCLOSED K=21.80 40.9 SQ. IN.
EYE AREA	
WEIGHT	28.00 LB.

TRIM ANGLE: 30°
Minimum submergence abo

Minimum submergence above eye of bottom impeller: 30 IN.

EFFICIENCY CORRECTION NUMBER OF BOWLS: 1 2 3 4 CHANGE AS FOLLOWS: -4 -2 -1 0 CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTION					
	DUCTILE	BRONZE	NI-R	STAINLESS	
IMPELLER MATERIAL:	-2	0	-1	-1	
BOWL MATERIAL:	-2	-1	-2	-2	

FLANGED BOWL DATA

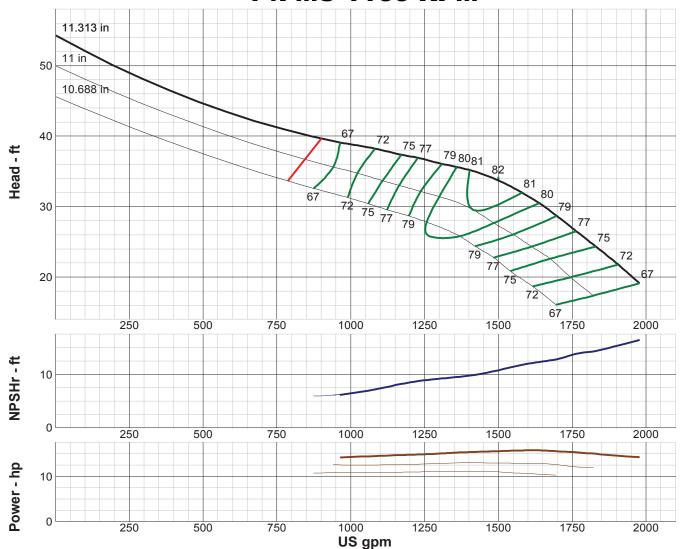
BOWL NUMBER	3042
BOWL MAX DIAMETER	13.500 IN.
BOWL MIN DIAMETER	13.250 IN.
MAX. NO. STAGES	23
ONE STAGE WEIGHT	490 LB.
ADD STAGE WEIGHT	175 LB.
STD. SHAFT DIA.	1.938 IN.
STD. LATERAL	0.875 IN.
DISCHARGE SIZE	10 - 12 IN.
DISCHARGE CONNECTION	THD - FLG
SUCTION SIZE	10 - 12 IN.
SUCTION CONNECTION	THD
MAX. SPHERE SIZE	1.250 IN.
MAX. OPERATIONAL P.S.I.	540 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020

14FMS 1160 RPM



IMPELLER DATA IMPELLER NUMBER TYPE THRUST FACTOR EYE AREA WEIGHT SOMMOND TO TRIM ANGLE: 30° Minimum submergence above eye of bottom impeller: 30 IN.

EFFICIENCY CORRECTION					
NUMBER OF BOWLS:	1	2	3	4	
CHANGE AS FOLLOWS:	-3	-2	-1	0	
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.					

PUMP MATERIAL EFFICIENCY CORRECTION					
	DUCTILE	BRONZE	NI-R	STAINLESS	
IMPELLER MATERIAL:	-2	0	-1	-1	
BOWL MATERIAL:	-2	-1	-2	-2	

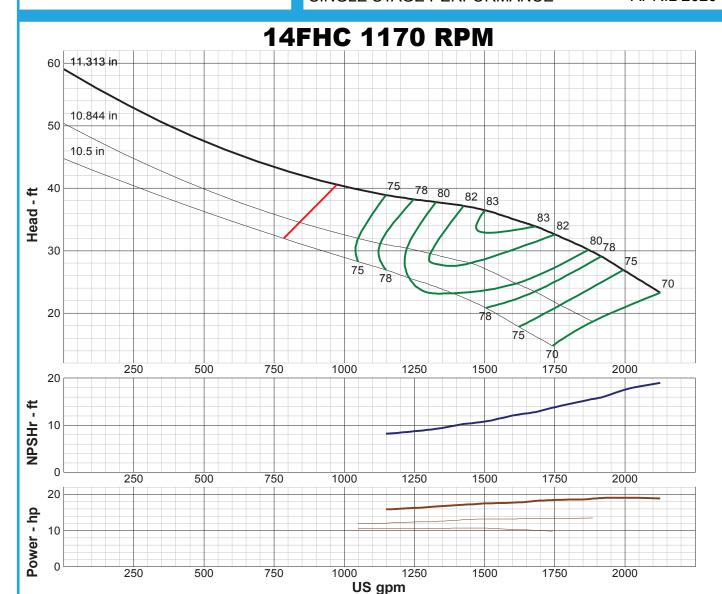
FLANGED BOWL DATA

BOWL NUMBER	3042
BOWL MAX. DIAMETER	13.500 IN.
BOWL MIN. DIAMETER	13.250 IN.
MAX. NO. STAGES	10
ONE STAGE WEIGHT	490 LB.
ADD STAGE WEIGHT	175 LB.
STD. SHAFT DIA.	1.938 IN.
STD. LATERAL	0.875 IN.
DISCHARGE SIZE	10 - 12 IN.
DISCHARGE CONNECTION	THD - FLG
SUCTION SIZE	10 - 12 IN.
SUCTION CONNECTION	THD
MAX. SPHERE SIZE	1.250 IN.
MAX. OPERATIONAL P.S.I.	540 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER DATA IMPELLER NUMBER TYPE THRUST FACTOR EYE AREA WEIGHT IMPELLER DATA TRIM ANGLE: 32.5° Minimum submergence above eye of bottom impeller: 32 IN.

EFFICIENCY CORRECTION					
NUMBER OF BOWLS:	1	2	3	4	
CHANGE AS FOLLOWS:	-4	-2	-1	0	
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.					

PUMP MATERIAL EFFICIENCY CORRECTION					
	DUCTILE	BRONZE	NI-R	STAINLESS	
IMPELLER MATERIAL:	-2	0	-1	-1	
BOWL MATERIAL:	-2	-1	-2	-2	

FLANGED BOWL DATA

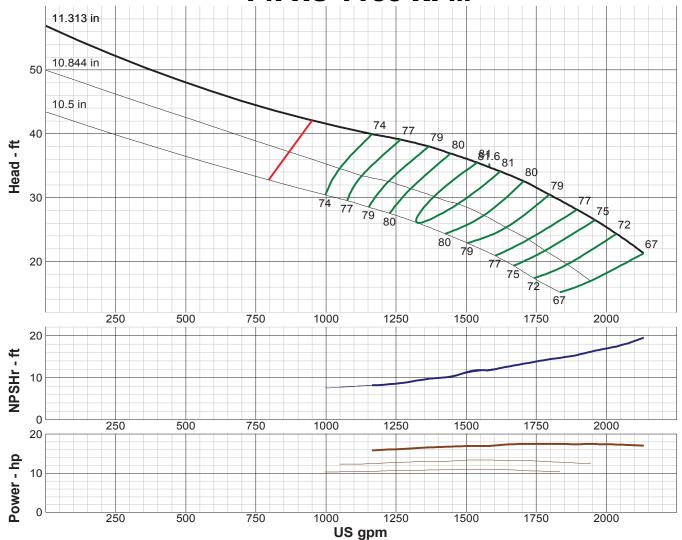
BOWL NUMBER 3042 **BOWL MAX. DIAMETER** 13.500 IN. **BOWL MIN. DIAMETER** 13.250 IN. MAX. NO. STAGES 19 490 LB. ONE STAGE WEIGHT ADD STAGE WEIGHT 175 LB. STD. SHAFT DIA. 1.938 IN. STD. LATERAL 0.875 IN. DISCHARGE SIZE 10 - 12 IN. DISCHARGE CONNECTION THD - FLG SUCTION SIZE 10 - 12 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 1.250 IN. MAX. OPERATIONAL P.S.I. 540 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020





IMPELLER DATA

IMPELLER NUMBER TYPE	3029 SEMI-OPEN
THRUST FACTOR	K=25.20
EYE AREA	43.9 SQ. IN.
WEIGHT	21.25 LB.

TRIM ANGLE: 32.5°

Minimum submergence above eye of bottom impeller: 32 IN.

EFFICIENCY CORRECTION						
NUMBER OF BOWLS:	1	2	3	4		
CHANGE AS FOLLOWS:	-3	-2	-1	0		
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.						

PUMP MATERIAL EFFICIENCY CORRECTION					
	DUCTILE	BRONZE	NI-R	STAINLESS	
IMPELLER MATERIAL:	-2	0	-1	-1	
BOWL MATERIAL:	-2	-1	-2	-2	

FLANGED BOWL DATA

BOWL NUMBER	3042
BOWL MAX. DIAMETER	13.500 IN.
BOWL MIN. DIAMETER	13.250 IN.
MAX. NO. STAGES	9
ONE STAGE WEIGHT	490 LB.
ADD STAGE WEIGHT	175 LB.
STD. SHAFT DIA.	1.938 IN.
STD. LATERAL	0.875 IN.
DISCHARGE SIZE	10 - 12 IN.
DISCHARGE CONNECTION	THD - FLG
SUCTION SIZE	10 - 12 IN.
SUCTION CONNECTION	THD
MAX. SPHERE SIZE	1.250 IN.
MAX. OPERATIONAL P.S.I.	540 (SPECIAL)



11.313 in

10.625 in

11 in

40

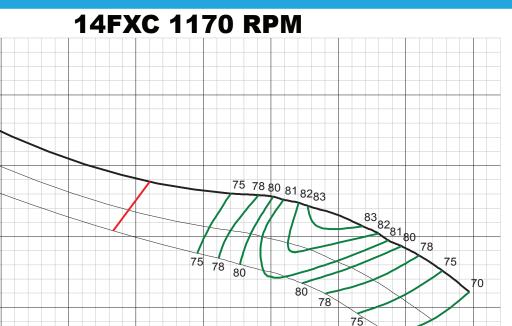
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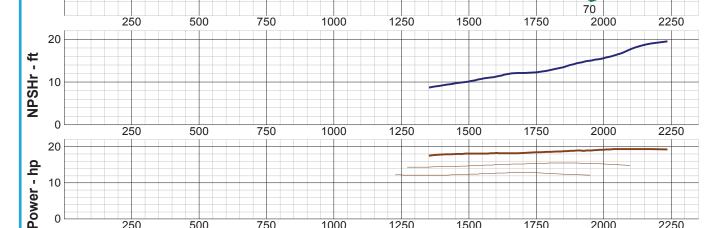
Head - ft

TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

APRIL 2020





IMPELLER DATA

750

IMPELLER NUMBER **TYPE ENCLOSED** THRUST FACTOR K=21.80 40.9 SQ. IN. **EYE AREA** WEIGHT 29.25 LB.

500

250

TRIM ANGLE: 32.5°

1000

1250

US gpm

1500

Minimum submergence above eye of bottom impeller: 32 IN.

EFFICIENCY CORRECTION						
NUMBER OF BOWLS:	1	2	3	4		
CHANGE AS FOLLOWS:	-5	-3	-1	0		
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.						

PUMP MATERIAL EFFICIENCY CORRECTION					
	DUCTILE	BRONZE	NI-R	STAINLESS	
IMPELLER MATERIAL:	-2	0	-1	-1	
BOWL MATERIAL:	-2	-1	-2	-2	

FLANGED BOWL DATA

2000

2250

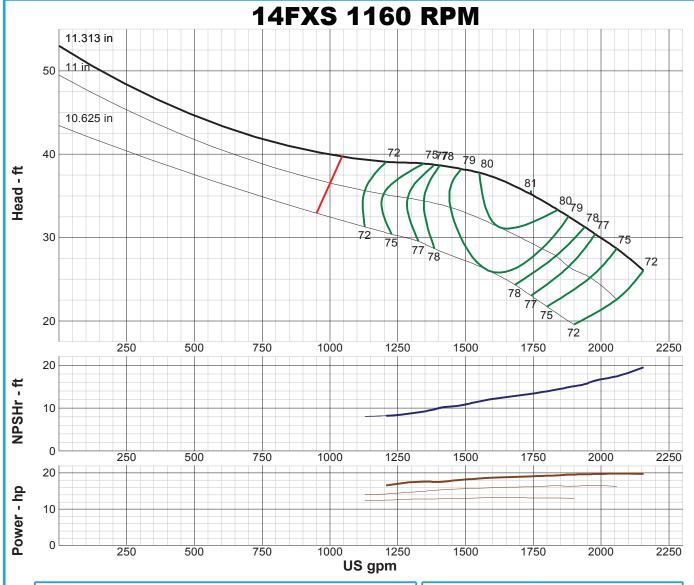
1750

BOWL NUMBER 3042 **BOWL MAX. DIAMETER** 13.500 IN. **BOWL MIN. DIAMETER** 13.250 IN. MAX. NO. STAGES 20 ONE STAGE WEIGHT 490 LB. ADD STAGE WEIGHT 175 LB. STD. SHAFT DIA. 1.938 IN. STD. LATERAL 0.875 IN. **DISCHARGE SIZE** 10 - 12 IN. DISCHARGE CONNECTION THD - FLG SUCTION SIZE 10 - 12 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 1.250 IN. MAX. OPERATIONAL P.S.I. 540 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER DATA					
IMPELLER NUMBER TYPE THRUST FACTOR EYE AREA WEIGHT	3092 SEMI-OPEN K=23.40 40.9 SQ. IN. 20.25 LB.	TRIM ANGLE: 32.5° Minimum submergence above eye of bottom impeller: 32 IN.			
EFFICIENCY CODDECTION					

EFFICIENCY CORRECTION						
NUMBER OF BOWLS:	1	2	3	4		
CHANGE AS FOLLOWS:	-3	-2	-1	0		
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.						

PUMP MATERIAL EFFICIENCY CORRECTION					
	DUCTILE	BRONZE	NI-R	STAINLESS	
IMPELLER MATERIAL:	-2	0	-1	-1	
BOWL MATERIAL:	-2	-1	-2	-2	

FLANGED BOWL DATA

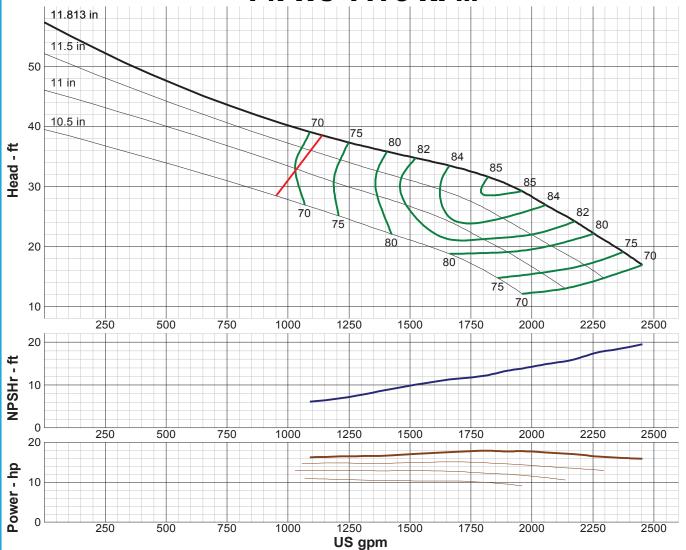
BOWL NUMBER	3042
BOWL MAX. DIAMETER	13.500 IN.
BOWL MIN. DIAMETER	13.250 IN.
MAX. NO. STAGES	8
ONE STAGE WEIGHT	490 LB.
ADD STAGE WEIGHT	175 LB.
STD. SHAFT DIA.	1.938 IN.
STD. LATERAL	0.875 IN.
DISCHARGE SIZE	10 - 12 IN.
DISCHARGE CONNECTION	THD - FLG
SUCTION SIZE	10 - 12 IN.
SUCTION CONNECTION	THD
MAX. SPHERE SIZE	1.250 IN.
MAX. OPERATIONAL P.S.I.	540 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020





IMPELLER DATA

IMPELLER NUMBER 4151
TYPE ENCLOSED
THRUST FACTOR K=24.80
EYE AREA 47.4 SQ. IN.
WEIGHT 31.75 LB.

TRIM ANGLE: 35°

Minimum submergence above eye of bottom impeller: 34 IN.

EFFICIENCY CORRECTION NUMBER OF BOWLS: 1 2 3 4 CHANGE AS FOLLOWS: -4 -2 -1 0 CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTION					
DUCTILE BRONZE NI-R STAINLESS					
IMPELLER MATERIAL:	-2	0	-1	-1	
BOWL MATERIAL:	-2	-1	-2	-2	

FLANGED BOWL DATA

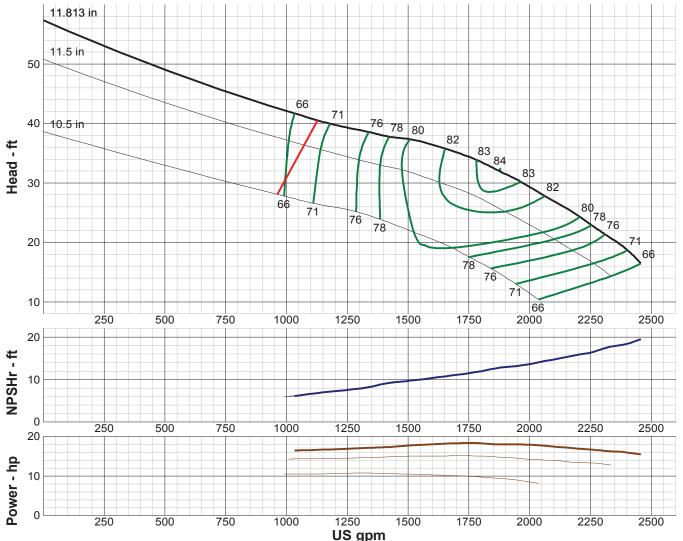
BOWL NUMBER 4152 **BOWL MAX. DIAMETER** 14.063 IN. 13.750 IN. **BOWL MIN. DIAMETER** MAX. NO. STAGES 21 ONE STAGE WEIGHT 500 LB. ADD STAGE WEIGHT 185 LB. STD. SHAFT DIA. 1.938 IN. STD. LATERAL 0.875 IN. DISCHARGE SIZE 10 - 12 IN. DISCHARGE CONNECTION THD -FLG SUCTION SIZE 10 - 12 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 1.500 IN. MAX. OPERATIONAL P.S.I. 540 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020





IMPELLER DATA

IMPELLER NUMBER 4153 **TYPE** SEMI-OPEN THRUST FACTOR K=26.20 **EYE AREA** 47.3 SQ. IN. WEIGHT 23.25 LB.

TRIM ANGLE: 35°

Minimum submergence above eye of bottom impeller: 34 IN.

EFFICIENCY CORRECTION

NUMBER OF BOWLS:	1	2	3	4	
CHANGE AS FOLLOWS:	-4	-2	-1	0	

CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS		
IMPELLER MATERIAL:	-2	0	-1	-1		
BOWL MATERIAL:	-2	-1	-2	-2		

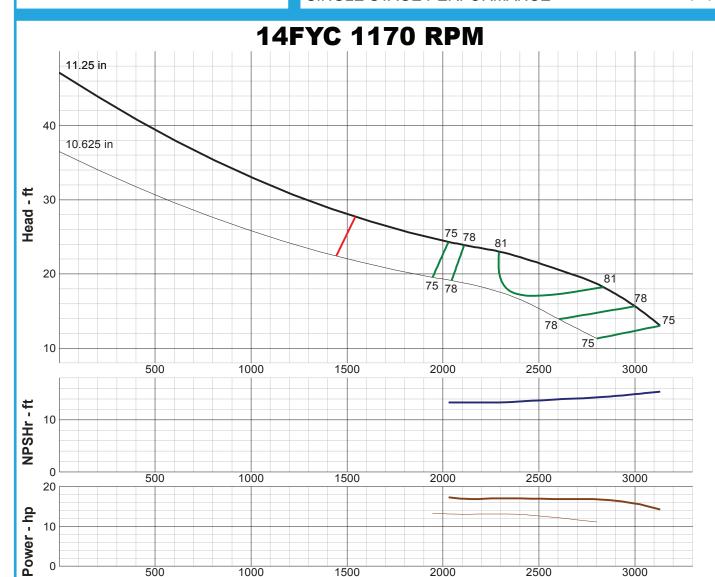
FLANGED BOWL DATA

BOWL NUMBER 4152 **BOWL MAX. DIAMETER** 14.063 IN. **BOWL MIN. DIAMETER** 13.750 IN. MAX. NO. STAGES 500 LB. ONE STAGE WEIGHT ADD STAGE WEIGHT 185 LB. STD. SHAFT DIA. 1.938 IN. 0.875 IN. STD. LATERAL DISCHARGE SIZE 10 - 12 IN. DISCHARGE CONNECTION THD - FLG SUCTION SIZE 10 - 12 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 1.500 IN. MAX. OPERATIONAL P.S.I. 540 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER DATA IMPELLER NUMBER 3878 TYPE ENCLOSED THRUST FACTOR K=24.00 EYE AREA 57.0 SQ. IN. WEIGHT 28.00 LB. EFFICIENCY CORRECTION

EFFICIENCY CORRECTION						
NUMBER OF BOWLS:	1	2	3	4		
CHANGE AS FOLLOWS:	-3	-2	-1	0		
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.						

PUMP MATERIAL EFFICIENCY CORRECTION						
	DUCTILE	BRONZE	NI-R	STAINLESS		
IMPELLER MATERIAL:	-2	0	-1	-1		
BOWL MATERIAL:	-2	-1	-2	-2		

FLANGED BOWL DATA

BOWL NUMBER 3869 **BOWL MAX. DIAMETER** 13.750 IN. 13.500 IN. BOWL MIN. DIAMETER MAX. NO. STAGES 15 ONE STAGE WEIGHT 335 LB. ADD STAGE WEIGHT 188 LB. STD. SHAFT DIA. 1.938 IN. STD. LATERAL 0.635 IN. DISCHARGE SIZE 10 - 12 IN. DISCHARGE CONNECTION THD - FLG SUCTION SIZE 10 - 12 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 1.250 IN. MAX. OPERATIONAL P.S.I. 540 (SPECIAL)

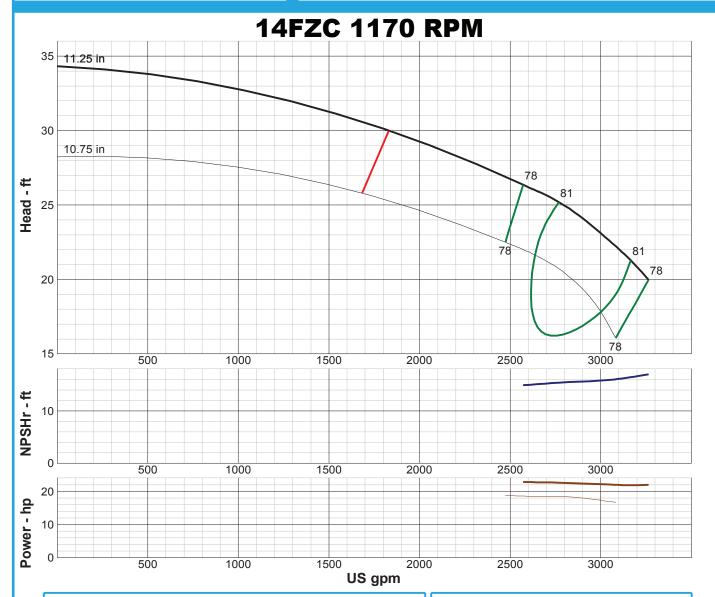
Performance based on pumping clear, fresh water at a temperature not over 85° F., free of gas, air or abrasives and with bowls properly adjusted and submerged. Performance curve reflects Hydraulic Institute tolerances and guidelines.

US gpm



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER NUMBER TYPE THRUST FACTOR EYE AREA	3896 ENCLOSED K=24.70 58.5 SQ. IN.
WEIGHT	28.00 LB.

TRIM ANGLE: 35°

Minimum submergence above eye of bottom impeller: 34 IN.

EFFICIENCY CORRECTION						
NUMBER OF BOWLS:	1	2	3	4		
CHANGE AS FOLLOWS:	-3	-2	-1	0		
CHANGE IN FEFICIENCY MAY	Y AFFECT	BOTH HE	AD AND	HORSEPO)WFR	

PUMP MATERIAL EFFICIENCY CORRECTION						
DUCTILE BRONZE NI-R STAINLESS						
IMPELLER MATERIAL:	-2	0	-1	-1		
BOWL MATERIAL:	-2	-1	-2	-2		

FLANGED BOWL DATA

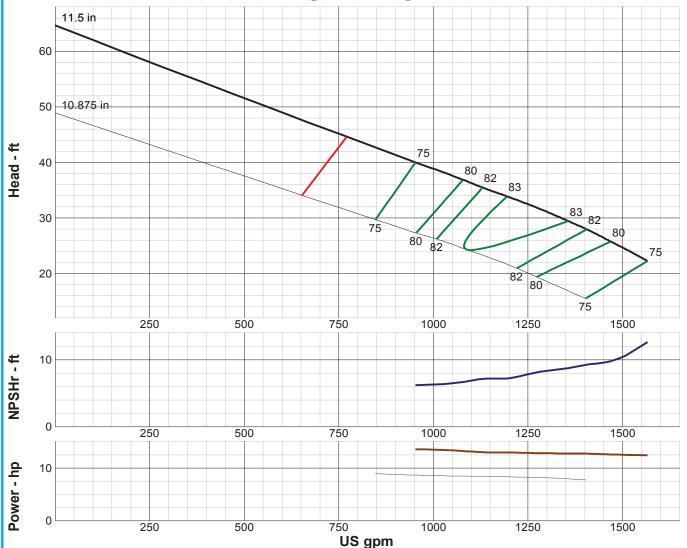
BOWL NUMBER	3869
BOWL MAX. DIAMETER	13.750 IN.
BOWL MIN. DIAMETER	13.500 IN.
MAX. NO. STAGES	12
ONE STAGE WEIGHT	335 LB.
ADD STAGE WEIGHT	188 LB.
STD. SHAFT DIA.	1.938 IN.
STD. LATERAL	0.625 IN.
DISCHARGE SIZE	10 - 12 IN.
DISCHARGE CONNECTION	THD - FLG
SUCTION SIZE	10 - 12 IN.
SUCTION CONNECTION	THD
MAX. SPHERE SIZE	1.250 IN.
MAX. OPERATIONAL P.S.I.	540 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020





IMPELLER DATA

IMPELLER NUMBER 0098 **TYPE ENCLOSED** THRUST FACTOR K=15.50 **EYE AREA** 37.8 SQ. IN. WEIGHT 26.00 LB.

TRIM ANGLE: 31°

Minimum submergence above eye of bottom impeller: 36 IN.

EFFICIENCY CORRECTION

NUMBER OF BOWLS:	1	2	3		
CHANGE AS FOLLOWS:	-4	-2	0		
CHANGE IN EFFICIENCY MAY AFFECT BOTH LIFAD AND HODGEDOWED					

CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-1
BOWL MATERIAL:	-2	-1	-2	-2

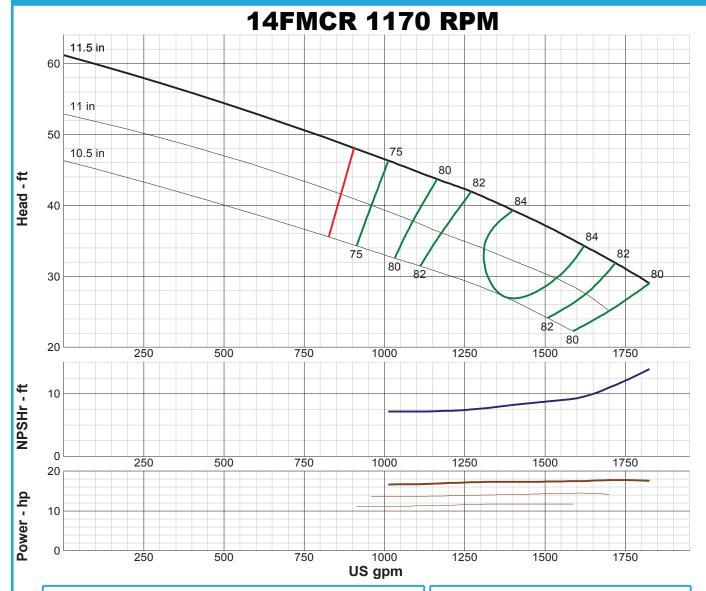
FLANGED BOWL DATA

BOWL NUMBER 5447 **BOWL MAX. DIAMETER** 14.250 IN. **BOWL MIN. DIAMETER** 14.125 IN. MAX. NO. STAGES 14 ONE STAGE WEIGHT 700 LB. ADD STAGE WEIGHT 265 LB. STD. SHAFT DIA. 2.188 IN. STD. LATERAL 0.813 IN. DISCHARGE SIZE 10 - 12 IN. DISCHARGE CONNECTION THD - FLG SUCTION SIZE 10 - 12 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 1.250 IN. MAX. OPERATIONAL P.S.I. 540 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER NUMBER TYPE THRUST FACTOR EYE AREA WEIGHT TOTAL OTHER STRIM ANGLE: 31' ENCLOSED K=15.50 Minimum submergence above eye of bottom impeller: 36 IN. WEIGHT TRIM ANGLE: 31' Minimum submergence above eye of bottom impeller: 36 IN.	IMPELLER DATA							
	TYPE THRUST FACTOR EYE AREA	ENCLOSED K=15.50 37.8 SQ. IN.	Minimum submergence above					

EFFICIENCY CORRECTION					
NUMBER OF BOWLS:	1	2	3		
CHANGE AS FOLLOWS:	-4	-2	0		
CHANGE IN EFFICIENCY MAY	Y AFFECT	BOTH HE	EAD AND	HORSEPO	WER.

PUMP MATERIAL EFFICIENCY CORRECTION						
	DUCTILE	BRONZE	NI-R	STAINLESS		
IMPELLER MATERIAL:	-2	0	-1	-1		
BOWL MATERIAL:	-2	-1	-2	-2		

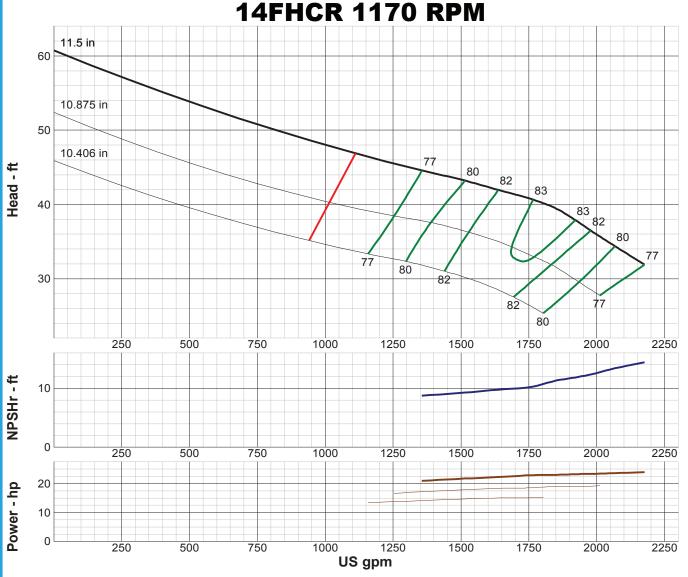
FLANGED BOWL DATA

BOWL NUMBER 5447 **BOWL MAX. DIAMETER** 14.250 IN. **BOWL MIN. DIAMETER** 14.125 IN. MAX. NO. STAGES 14 ONE STAGE WEIGHT 700 LB. ADD STAGE WEIGHT 265 LB. STD. SHAFT DIA. 2.188 IN. STD. LATERAL 0.813 IN. DISCHARGE SIZE 10 - 12 IN. DISCHARGE CONNECTION THD - FLG SUCTION SIZE 10 - 12 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 1.250 IN. MAX. OPERATIONAL P.S.I. 540 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER DATA				
IMPELLER NUMBER TYPE THRUST FACTOR EYE AREA WEIGHT	0103 ENCLOSED K=15.50 37.8 SQ. IN. 26.00 LB.	TRIM ANGLE: 31° Minimum submergence above eye of bottom impeller: 36 IN.		
EFFICIENCY CORRECTION				

NUMBER OF BOWLS:	1	2	3		
CHANGE AS FOLLOWS:	-4	-2	0		
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.					
DUMD MATERIAL EFFICIENCY CORRECTION					

PUMP MATERIAL EFFICIENCY CORRECTION				
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-1
BOWL MATERIAL:	-2	-1	-2	-2

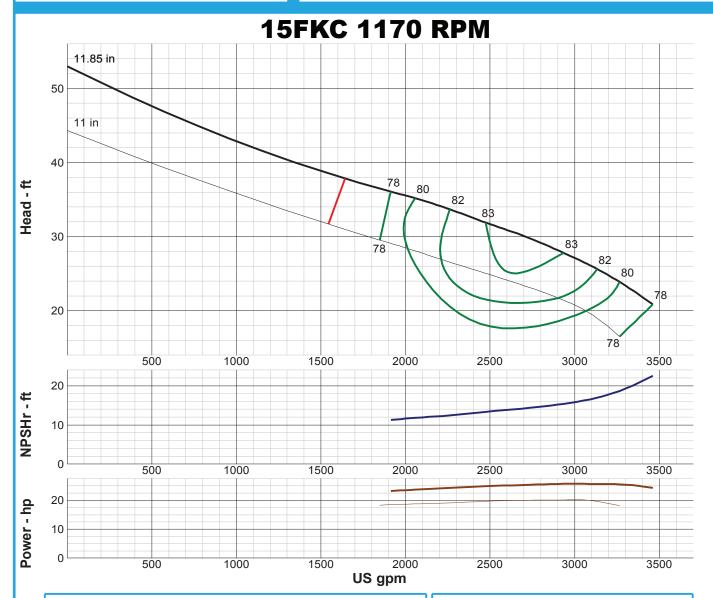
FLANGED BOWL DATA

BOWL NUMBER 5447 **BOWL MAX. DIAMETER** 14.250 IN. **BOWL MIN. DIAMETER** 14.125 IN. MAX. NO. STAGES 16 ONE STAGE WEIGHT 700 LB. ADD STAGE WEIGHT 265 LB. STD. SHAFT DIA. 2.188 IN. STD. LATERAL 0.813 IN. DISCHARGE SIZE 10 - 12 IN. DISCHARGE CONNECTION THD - FLG SUCTION SIZE 10 - 12 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 1.250 IN. MAX. OPERATIONAL P.S.I. 540 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER DATA

 IMPELLER NUMBER
 0004

 TYPE
 ENCLOSED

 THRUST FACTOR
 K=28.00

 EYE AREA
 63.6 SQ. IN.

 WEIGHT
 30.00 LB.

TRIM ANGLE: 34°

Minimum submergence above eye of bottom impeller: 36 IN.

EFFICIENCY CORRECTION					
NUMBER OF BOWLS:	1	2	3	4	
CHANGE AS FOLLOWS:	-3	-2	-1	0	
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER					

PUMP MATERIAL EFFICIENCY CORRECTION				
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-1
BOWL MATERIAL:	-2	-1	-2	-2

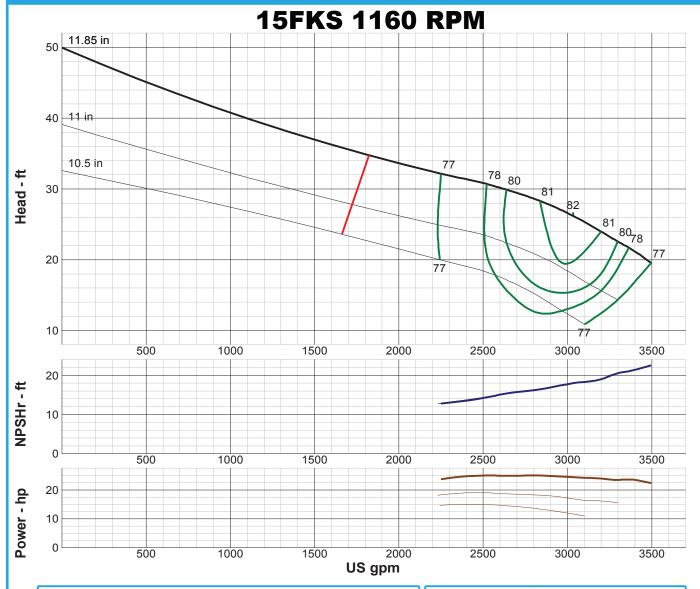
FLANGED BOWL DATA

BOWL NUMBER 0001 **BOWL MAX. DIAMETER** 15.250 IN. **BOWL MIN. DIAMETER** 14.750 IN. MAX. NO. STAGES 14 ONE STAGE WEIGHT 510 LB. ADD STAGE WEIGHT 195 LB. STD. SHAFT DIA. 1.938 IN. STD. LATERAL 0.688 IN. DISCHARGE SIZE 10 - 12 IN. DISCHARGE CONNECTION THD - FLG SUCTION SIZE 10 - 12 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 2.250 IN. MAX. OPERATIONAL P.S.I. 540 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER DATA					
TYPE SEMI-OPEN K=30.00	TRIM ANGLE: 34° Minimum submergence above eye of bottom impeller: 36 IN.				

EFFICIENCY CORRECTION					
NUMBER OF BOWLS:	1	2	3	4	
CHANGE AS FOLLOWS:	-3	-2	-1	0	
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.					

PUMP MATERIAL EFFICIENCY CORRECTION				
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-1
BOWL MATERIAL:	-2	-1	-2	-2

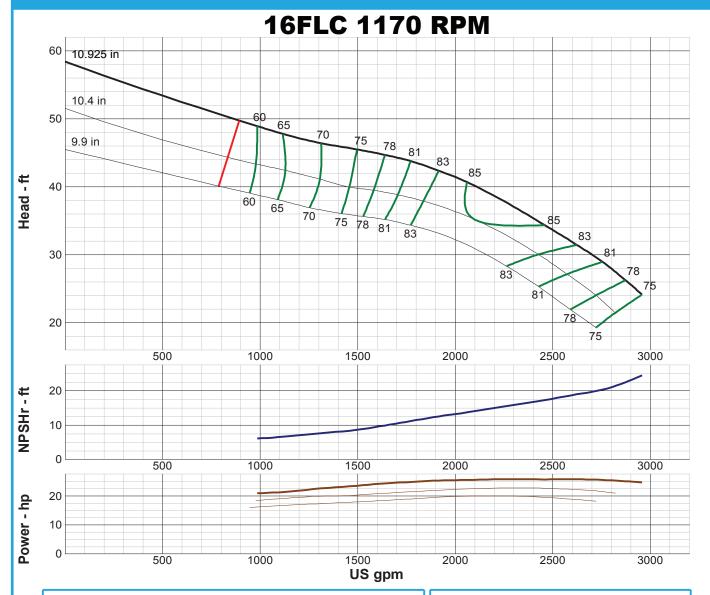
FLANGED BOWL DATA

BOWL NUMBER	0001
BOWL MAX. DIAMETER	15.250 IN.
BOWL MIN. DIAMETER	14.750 IN.
MAX. NO. STAGES	6
ONE STAGE WEIGHT	375 LB.
ADD STAGE WEIGHT	170 LB.
STD. SHAFT DIA.	1.938 IN.
STD. LATERAL	0.688 IN.
DISCHARGE SIZE	10 - 12 IN.
DISCHARGE CONNECTION	THD - FLG
SUCTION SIZE	10 - 12 IN.
SUCTION CONNECTION	THD
MAX. SPHERE SIZE	2.250 IN.
MAX. OPERATIONAL P.S.I.	540 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER D)AI	ΓΑ
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0312 ENCLOSED K=20.00 51.3 SQ. IN.
32.30 LB.

TRIM ANGLE: 14°
Minimum submergence above

Minimum submergence above eye of bottom impeller: 32 IN.

EFFICIENCY CORRECTION					
NUMBER OF BOWLS:	1	2	3		
CHANGE AS FOLLOWS:	-2	-1	0		
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HODSEDOWED					

PUMP MATER	IAL EFFI	CIENCY	CORRE	CTION
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-1
BOWL MATERIAL:	-2	-1	-2	-2

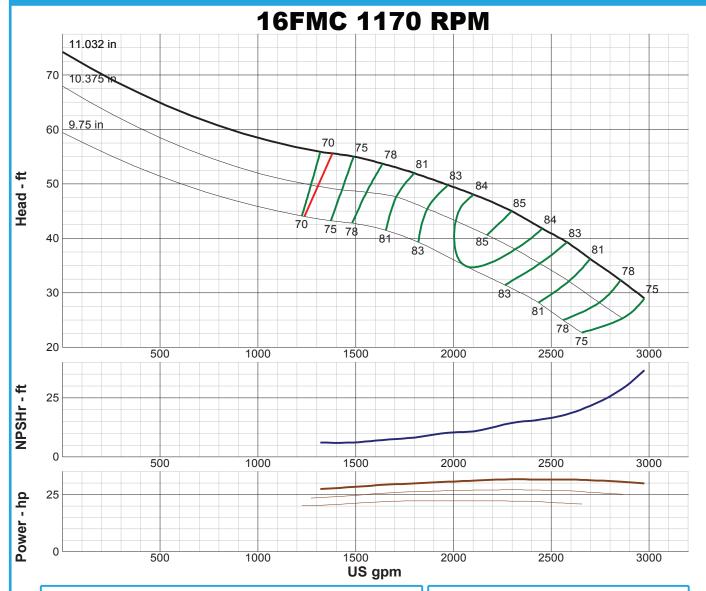
FLANGED BOWL DATA

BOWL NUMBER 0310 **BOWL MAX. DIAMETER** 15.375 IN. **BOWL MIN. DIAMETER** 15.375 IN. MAX. NO. STAGES 14 ONE STAGE WEIGHT 630 LB. ADD STAGE WEIGHT 260 LB. STD. SHAFT DIA. 2.250 IN. STD. LATERAL 0.563 IN. DISCHARGE SIZE N/A DISCHARGE CONNECTION FLG SUCTION BELL DIA. 16.750 IN. SUCTION CONNECTION **BELL** MAX. SPHERE SIZE 1.375 IN. MAX. OPERATIONAL P.S.I. 300 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020



	IMPELLE	R DATA
IMPELLER NUMBER TYPE THRUST FACTOR EYE AREA	0308 ENCLOSED K=23.00 58.4 SQ. IN.	TRIM ANGLE: 27° Minimum submergence above eye of bottom impeller: 36 IN.

42.00 LB.

WEIGHT

EFFICIENCY CORRECTION					
NUMBER OF BOWLS:	1	2	3		
CHANGE AS FOLLOWS:	-2	-1	0		
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER					

PUMP MATER	IAL EFFI	CIENCY	CORRE	CTION
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-1
BOWL MATERIAL:	-2	-1	-2	-2

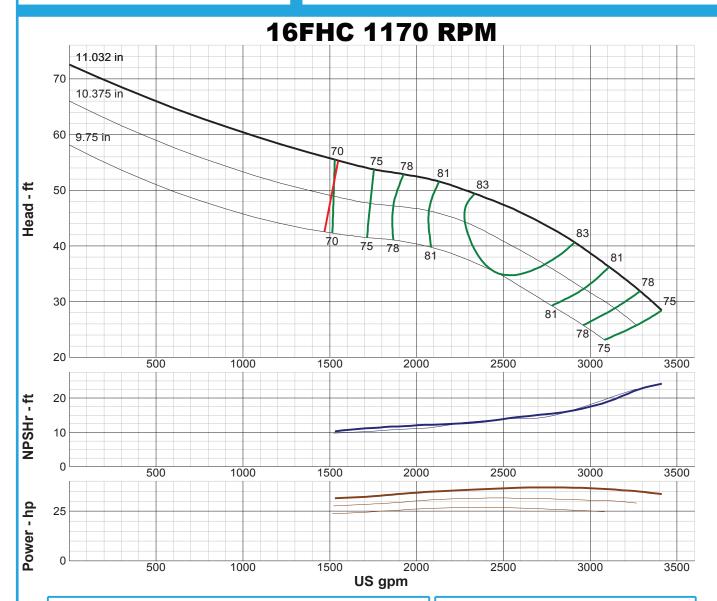
FLANGED BOWL DATA

BOWL NUMBER 0306 **BOWL MAX. DIAMETER** 16.000 IN. 16.000 IN. **BOWL MIN. DIAMETER** MAX. NO. STAGES 14 ONE STAGE WEIGHT 630 LB. ADD STAGE WEIGHT 260 LB. STD. SHAFT DIA. 2.250 IN. STD. LATERAL 0.750 IN. DISCHARGE SIZE N/A DISCHARGE CONNECTION FLG SUCTION BELL DIA. 17.375 IN. SUCTION CONNECTION **BELL** MAX. SPHERE SIZE 1.688 IN. MAX. OPERATIONAL P.S.I. 300 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER DATA

IMPELLER NUMBER0309TYPEENCLOSEDTHRUST FACTORK=23.00EYE AREA58.4 SQ. IN.WEIGHT52.00 LB.

TRIM ANGLE: 27°

Minimum submergence above eye of bottom impeller: 36 IN.

EFFICIENCY CORRECTION NUMBER OF BOWLS: 1 2 3 Image: Control of the control of

PUMP MATER	IAL EFFI	CIENCY	CORRE	CTION
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-1
BOWL MATERIAL:	-2	-1	-2	-2

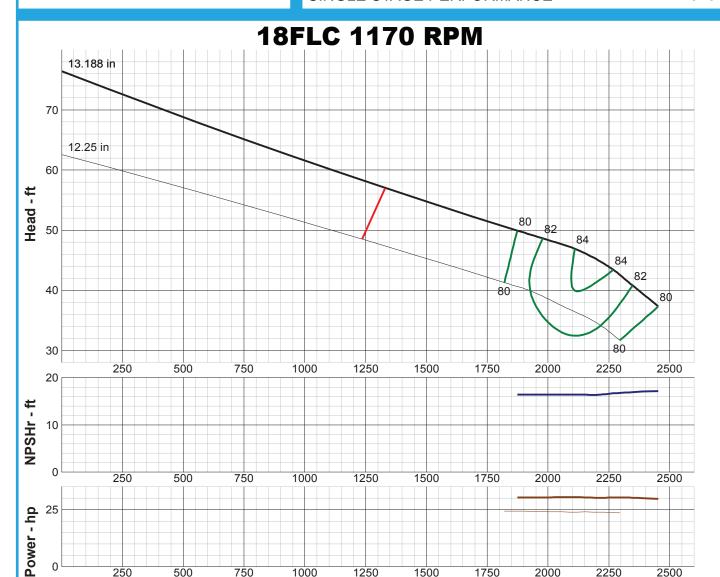
FLANGED BOWL DATA

BOWL NUMBER 0306 **BOWL MAX. DIAMETER** 16.000 IN. **BOWL MIN. DIAMETER** 16.000 IN. MAX. NO. STAGES 12 ONE STAGE WEIGHT 630 LB. ADD STAGE WEIGHT 260 LB. STD. SHAFT DIA. 2.250 IN. STD. LATERAL 0.750 IN. DISCHARGE SIZE N/A DISCHARGE CONNECTION FLG SUCTION BELL DIA. 17.375 IN. SUCTION CONNECTION **BELL** MAX. SPHERE SIZE 1.688 IN. MAX. OPERATIONAL P.S.I. 300 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER DATA

750

IMPELLER NUMBER 3914 **TYPE ENCLOSED** THRUST FACTOR K=21.75 EYE AREA 46.0 SQ. IN. WEIGHT 42.00 LB.

500

250

TRIM ANGLE: 20°

1000

Minimum submergence above eye of bottom impeller: 48 IN.

1250

US gpm

1500

1750

EFFICIENCY CORRECTION					
NUMBER OF BOWLS:	1	2	3		
CHANGE AS FOLLOWS:	-2	-1	0		
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER					

PUMP MATER	IAL EFFI	CIENCY	CORRE	CTION
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-1
BOWL MATERIAL:	-2	-1	-2	-2

FLANGED BOWL DATA

2000

2250

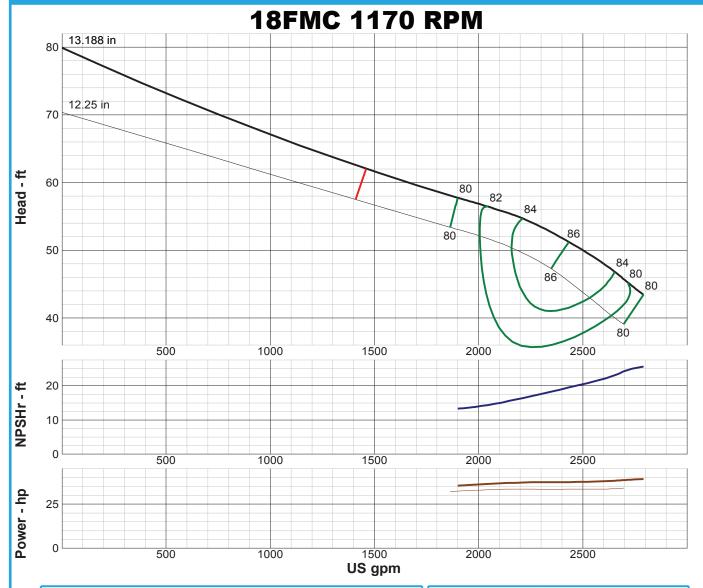
2500

BOWL NUMBER 3905 **BOWL MAX. DIAMETER** 17.750 IN. 17.500 IN. **BOWL MIN. DIAMETER** MAX. NO. STAGES 12 ONE STAGE WEIGHT 750 LB. ADD STAGE WEIGHT 325 LB. STD. SHAFT DIA. 2.188 IN. STD. LATERAL 0.500 IN. DISCHARGE SIZE N/A DISCHARGE CONNECTION FLG SUCTION BELL SIZE 18.000 IN. SUCTION CONNECTION **BELL** MAX. SPHERE SIZE 1.250 IN. MAX. OPERATIONAL P.S.I. 450 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER DATA				
IMPELLER NUMBER TYPE THRUST FACTOR EYE AREA WEIGHT	3923 ENCLOSED K=21.75 50.3 SQ. IN. 42.00 LB.	TRIM ANGLE: 20° Minimum submergence above eye of bottom impeller: 48 IN.		
EFFICIENCY COPPECTION				

EFFICIENCY CORRECTION						
NUMBER OF BOWLS:	1	2	3			
CHANGE AS FOLLOWS:	-2	-1	0			
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER						

PUMP MATERIAL EFFICIENCY CORRECTION					
	DUCTILE	BRONZE	NI-R	STAINLESS	
IMPELLER MATERIAL:	-2	0	-1	-1	
BOWL MATERIAL:	-2	-1	-2	-2	

FLANGED BOWL DATA

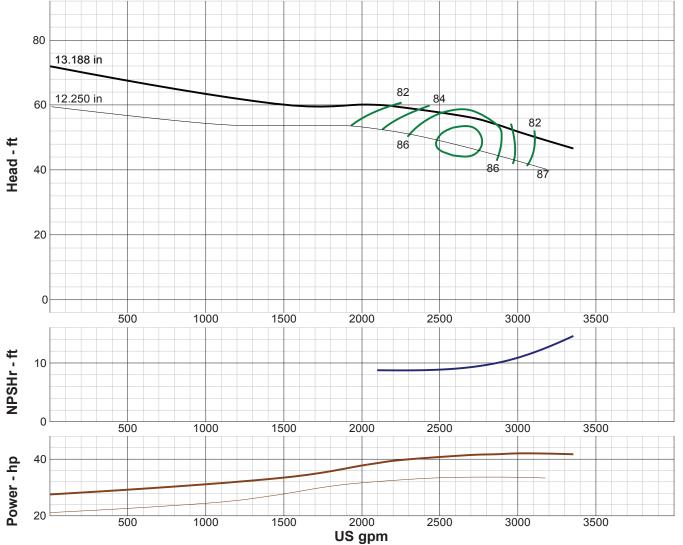
BOWL NUMBER BOWL MAX. DIAMETER 17.750 IN. **BOWL MIN. DIAMETER** 17.500 IN. MAX. NO. STAGES 10 ONE STAGE WEIGHT 750 LB. ADD STAGE WEIGHT 325 LB. STD. SHAFT DIA. 2.188 IN. STD. LATERAL 0.500 IN. DISCHARGE SIZE N/A DISCHARGE CONNECTION FLG SUCTION BELL DIA. 18.000 IN. SUCTION CONNECTION **BELL** MAX. SPHERE SIZE 1.250 IN. MAX. OPERATIONAL P.S.I. 450 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020





IMPELLER DATA

IMPELLER NUMBER 3491 **TYPE ENCLOSED** THRUST FACTOR K=23.50 **EYE AREA** 67.5 SQ. IN. WEIGHT 42.00 LB.

TRIM ANGLE: 20°

Minimum submergence above eye of bottom impeller: 32 IN.

EFFICIENCY CORRECTION

NUMBER OF BOWLS:	1	2	3	
CHANGE AS FOLLOWS:	-2	-1	0	

CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-2	-2
BOWL MATERIAL:	-2	-1	-2	-2

FLANGED BOWL DATA

BOWL NUMBER 3905 **BOWL MAX. DIAMETER** 17.500 IN. **BOWL MIN. DIAMETER** MAX. NO. STAGES 750LB. ONE STAGE WEIGHT ADD STAGE WEIGHT 325LB. STD. SHAFT DIA. STD. LATERAL DISCHARGE SIZE DISCHARGE CONNECTION THD -FLG SUCTION SIZE 12 IN SUCTION CONNECTION **FLG** MAX. SPHERE SIZE 1.375IN. MAX. OPERATIONAL P.S.I.

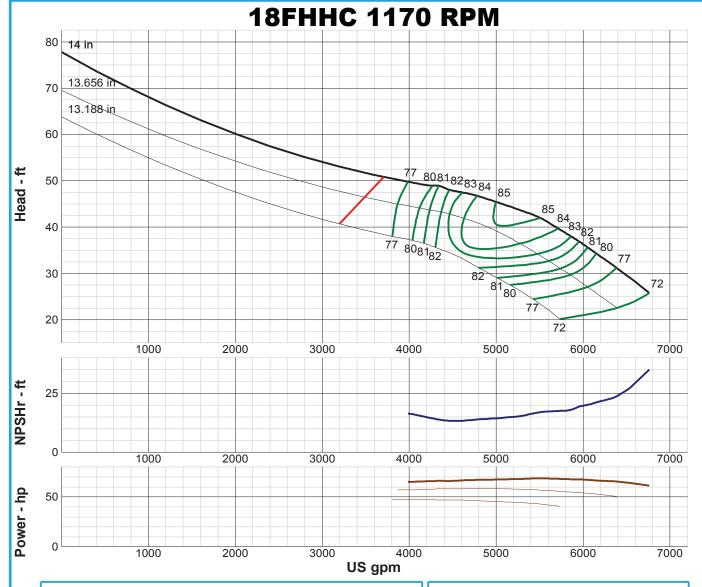
17.750 IN. 2.188 IN. 0.500 IN. 10 - 12 IN.

500 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020



	ER DATA		
IMPELLER NUMBER	0777	TRIM ANGLE: 30°	
TYPE THRUST FACTOR EYE AREA	ENCLOSED K=32.00	Minimum submergence above eye of bottom impeller: 48 IN.	

49.00 LB.

WEIGHT

EFFICIENCY CORRECTION						
NUMBER OF BOWLS:	1	2				
CHANGE AS FOLLOWS:	-0.5	0				
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.						

PUMP MATERIAL EFFICIENCY CORRECTION					
	DUCTILE	BRONZE	NI-R	STAINLESS	
IMPELLER MATERIAL:	-2	0	-2	-2	
BOWL MATERIAL:	-2	-1	-2	-2	

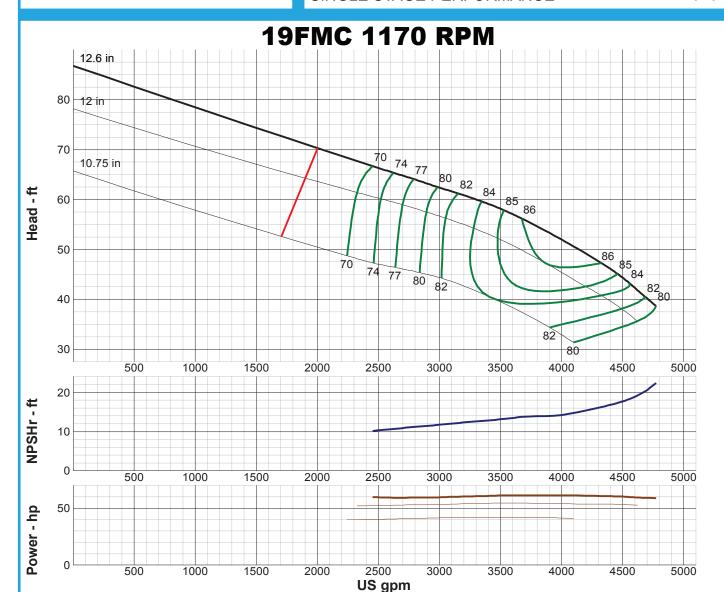
FLANGED BOWL DATA

BOWL NUMBER 0224 **BOWL MAX. DIAMETER** 18.625 IN. **BOWL MIN. DIAMETER** 18.250 IN. MAX. NO. STAGES 10 ONE STAGE WEIGHT LB. ADD STAGE WEIGHT LB. 2.188 IN. STD. SHAFT DIA. STD. LATERAL 0.750 IN. DISCHARGE SIZE N/A DISCHARGE CONNECTION FLG SUCTION BELL DIA. 18.813 IN. SUCTION CONNECTION **BELL** MAX. SPHERE SIZE 1.250 IN. MAX. OPERATIONAL P.S.I. 450 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER NUMBER 10353 TYPE 1HRUST FACTOR EYE AREA WEIGHT EFFICIENCY CORRECTION IMPELLER DATA TRIM ANGLE: 26° Minimum submergence above eye of bottom impeller: 42 IN.

EFFICIENCY CORRECTION						
NUMBER OF BOWLS:	1	2				
CHANGE AS FOLLOWS:	-1	0				
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.						

PUMP MATERIAL EFFICIENCY CORRECTION					
	DUCTILE	BRONZE	NI-R	STAINLESS	
IMPELLER MATERIAL:	-2	0	-2	-2	
BOWL MATERIAL:	-2	-2	-2	-2	

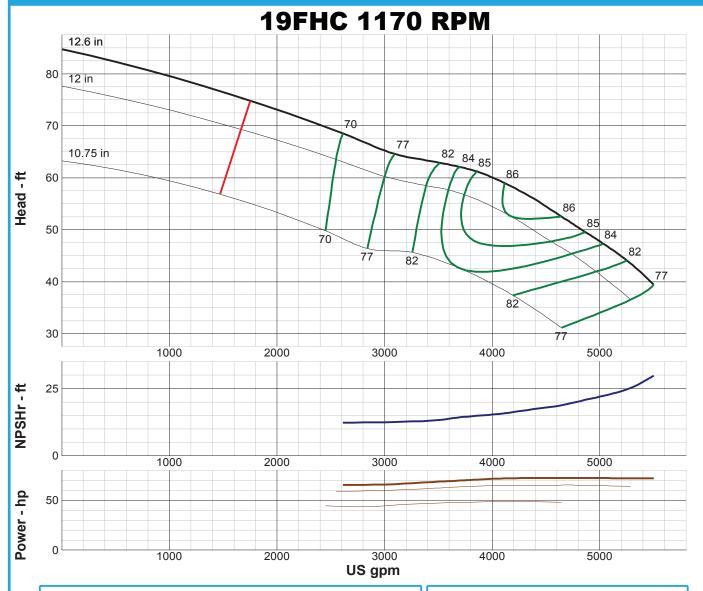
FLANGED BOWL DATA

BOWL NUMBER 0358 **BOWL MAX. DIAMETER** 18.625 IN. **BOWL MIN. DIAMETER** 18.625 IN. MAX. NO. STAGES 10 770 LB. ONE STAGE WEIGHT ADD STAGE WEIGHT 447 LB. STD. SHAFT DIA. 2.188 IN STD. LATERAL 0.750 IN. DISCHARGE SIZE N/A DISCHARGE CONNECTION FLG SUCTION BELL DIA. 21.000 IN. SUCTION CONNECTION **BELL** MAX. SPHERE SIZE 1.000 IN. MAX. OPERATIONAL P.S.I. 350 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER DATA IMPELLER NUMBER 0357 TRIM AN

TYPE ENCLOSED
THRUST FACTOR K=32.00
EYE AREA 74.5 SQ. IN.
WEIGHT 54.00 LB.

TRIM ANGLE: 26°

Minimum submergence above eye of bottom impeller: 42 IN.

EFFICIENCY CORRECTION NUMBER OF BOWLS: 1 2 □ CHANGE AS FOLLOWS: -1 0 □ CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTION					
	DUCTILE	BRONZE	NI-R	STAINLESS	
IMPELLER MATERIAL:	-2	0	-2	-2	
BOWL MATERIAL:	-2	-2	-2	-2	

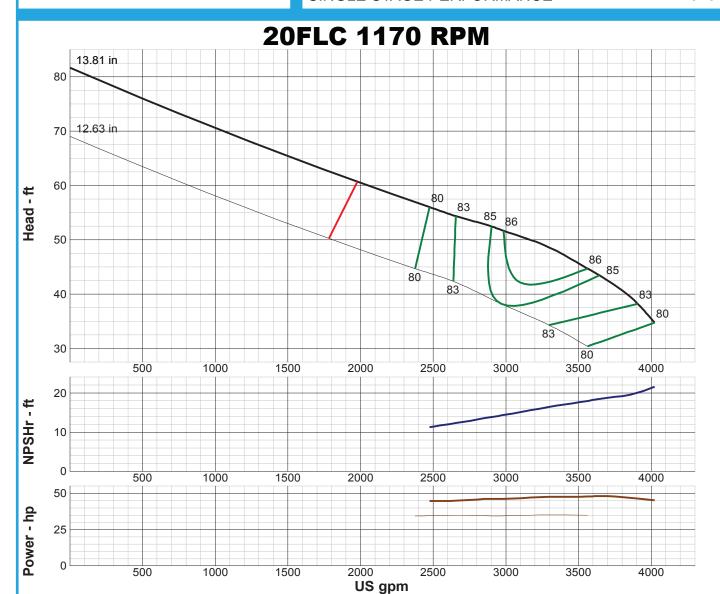
FLANGED BOWL DATA

BOWL NUMBER 0358 **BOWL MAX. DIAMETER** 18.625 IN. **BOWL MIN. DIAMETER** 18.625 IN. MAX. NO. STAGES 10 ONE STAGE WEIGHT 770 LB. ADD STAGE WEIGHT 447 LB. STD. SHAFT DIA. 2.188 IN. STD. LATERAL 0.750 IN. DISCHARGE SIZE N/A DISCHARGE CONNECTION FLG SUCTION BELL DIA. 21.000 IN. SUCTION CONNECTION **BELL** MAX. SPHERE SIZE 1.000 IN. MAX. OPERATIONAL P.S.I. 350 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER DATA IMPELLER NUMBER TYPE THRUST FACTOR EYE AREA WEIGHT IMPELLER DATA 4838 ENCLOSED K=29.40 Minimum submergence above eye of bottom impeller: 33 IN.

EFFICIENCY CORRECTION						
NUMBER OF BOWLS:	1	2				
CHANGE AS FOLLOWS:	-2	0				
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.						

PUMP MATERIAL EFFICIENCY CORRECTION					
	DUCTILE	BRONZE	NI-R	STAINLESS	
IMPELLER MATERIAL:	-1	0	-1	-1	
BOWL MATERIAL:	-1	-2	-2	-2	

FLANGED BOWL DATA

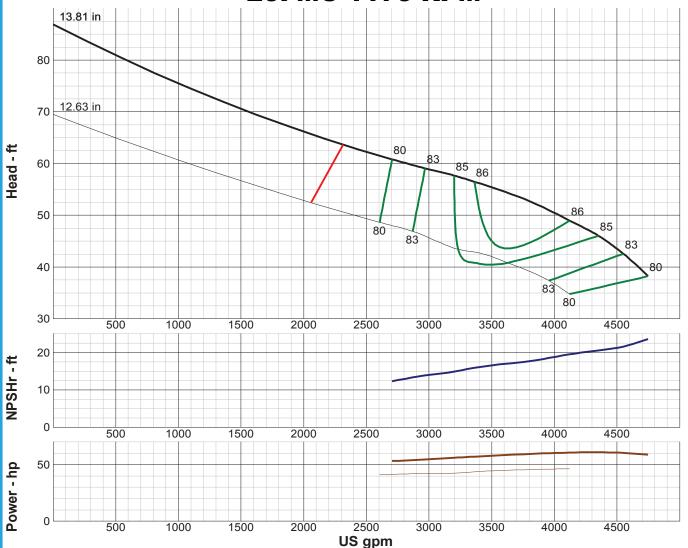
BOWL NUMBER 3969 **BOWL MAX. DIAMETER** 19.875 IN. **BOWL MIN. DIAMETER** 19.250 IN. MAX. NO. STAGES 13 ONE STAGE WEIGHT 790 LB. ADD STAGE WEIGHT 569 LB. STD. SHAFT DIA. 2.438 IN. STD. LATERAL 0.750 IN. DISCHARGE SIZE N/A DISCHARGE CONNECTION FLG SUCTION BELL DIA. 20.875 IN. SUCTION CONNECTION **BELL** MAX. SPHERE SIZE 2.000 IN. MAX. OPERATIONAL P.S.I. 350 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020





IMPELLER DATA

IMPELLER NUMBER TYPE THRUST FACTOR	4847 ENCLOSED K=29.40
EYE AREA	72.6 SQ. IN.
WEIGHT	69.00 LB.

TRIM ANGLE: 27°

Minimum submergence above eye of bottom impeller: 33 IN.

EFFICIENCY CORRECTION						
NUMBER OF BOWLS:	1	2				
CHANGE AS FOLLOWS:	-2	0				
CHANGE IN FEFICIENCY MAY	Y AFFFCT	BOTH HE	AD AND	HORSEPO)WFR	

PUMP MATERIAL EFFICIENCY CORRECTION						
DUCTILE BRONZE NI-R STAINLESS						
IMPELLER MATERIAL:	-1	0	-1	-1		
BOWL MATERIAL:	-1	-2	-2	-2		

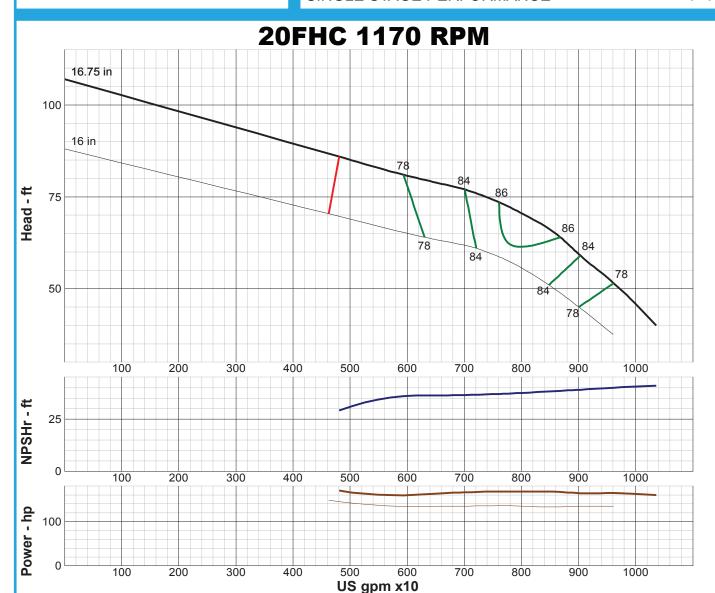
FLANGED BOWL DATA

BOWL NUMBER	3969
BOWI MAX DIAMETER	19.875 IN.
BOWL MIN. DIAMETER	19.250 IN.
MAX. NO. STAGES	10
ONE STAGE WEIGHT	790 LB.
ADD STAGE WEIGHT	569 LB.
STD. SHAFT DIA.	2.438 IN.
STD. LATERAL	0.750 IN.
DISCHARGE SIZE	N/A
DISCHARGE CONNECTION	FLG
SUCTION BELL DIA.	20.875 IN.
SUCTION CONNECTION	BELL
MAX. SPHERE SIZE	2.000 IN.
MAX. OPERATIONAL P.S.I.	350 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER DATA IMPELLER NUMBER TYPE THRUST FACTOR EYE AREA IMPELLER DATA TRIM ANGLE: 27.5° Minimum submergence above eye of bottom impeller: 32 IN.

94.00 LB.

WEIGHT

EFFICIENCY CORRECTION					
NUMBER OF BOWLS: 1 2 3 4					
CHANGE AS FOLLOWS:	-2	-1	0	+1	
CHANGE IN EFFICIENCY MAY	Y AFFECT	BOTH HE	EAD AND	HORSEPO	WER.

PUMP MATERIAL EFFICIENCY CORRECTION					
DUCTILE BRONZE NI-R STAINLESS					
IMPELLER MATERIAL:	-1	0	-1	-1	
BOWL MATERIAL:	-1	-2	-2	-2	

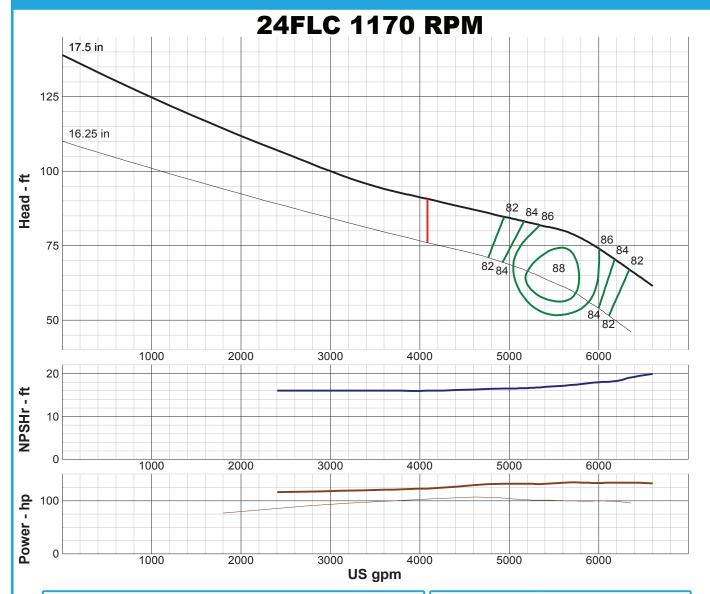
FLANGED BOWL DATA

BOWL NUMBER BOWL MAX. DIAMETER 20.000 IN. **BOWL MIN. DIAMETER** 19.750 IN. MAX. NO. STAGES ONE STAGE WEIGHT 845 LB. ADD STAGE WEIGHT 560 LB. STD. SHAFT DIA. 2.438 IN. STD. LATERAL 0.625 IN. DISCHARGE SIZE N/A DISCHARGE CONNECTION FLG. SUCTION BELL DIA. 23.313 IN. SUCTION CONNECTION **BELL** MAX. SPHERE SIZE 2.000 IN. MAX. OPERATIONAL P.S.I. 350 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020



		•••••		-		
NUMBER OF BOWLS:	1	2	3			
CHANGE AS FOLLOWS:	-2	-1	0			
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.						

PUMP MATERIAL EFFICIENCY CORRECTION						
DUCTILE BRONZE NI-R STAINLESS						
IMPELLER MATERIAL:	-1	0	-1	-1		
BOWL MATERIAL:	-1	-2	-2	-2		

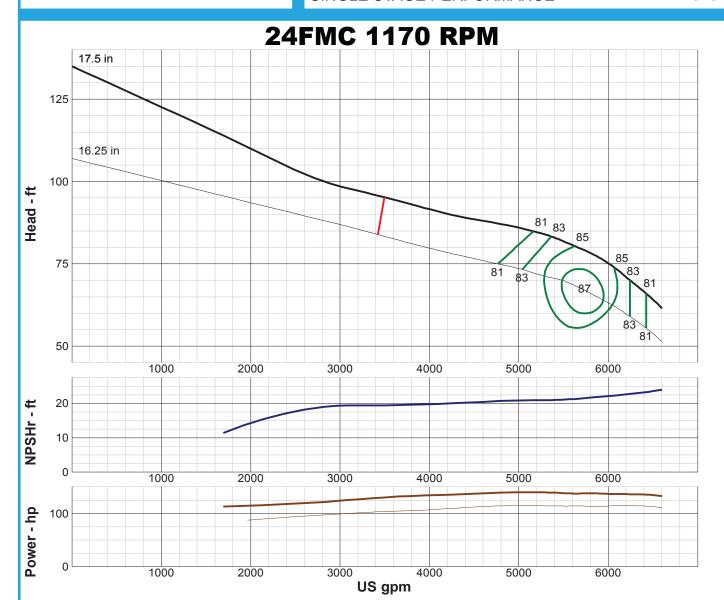
FLANGED BOWL DATA

BOWL NUMBER 5329 BOWL MAX. DIAMETER 24.000 IN. **BOWL MIN. DIAMETER** 23.750 IN. MAX. NO. STAGES ONE STAGE WEIGHT 1150 LB. ADD STAGE WEIGHT 850 LB. STD. SHAFT DIA. 2.688 IN STD. LATERAL 0.938 IN. DISCHARGE SIZE N/A DISCHARGE CONNECTION FLG. SUCTION BELL DIA. 24.750 IN. SUCTION CONNECTION **BELL** MAX. SPHERE SIZE 2.000 IN. 250 (SPECIAL) MAX. OPERATIONAL P.S.I.



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER NUMBER 4874 TYPE ENCLOSED THRUST FACTOR K=41.20 EYE AREA 93.0 SQ. IN. WEIGHT 82.00 LB. TRIM ANGLE: 18° Minimum submergence above eye of bottom impeller: 32 IN. EFFICIENCY CORRECTION

NUMBER OF BOWLS:	1	2	3		
CHANGE AS FOLLOWS:	-2	-1	0		
CHANGE IN EFFICIENCY MAY	/ AFFECT	BOTH HE	EAD AND	HORSEPO	WER.

PUMP MATERIAL EFFICIENCY CORRECTION					
DUCTILE BRONZE NI-R STAINLESS					
IMPELLER MATERIAL:	-1	0	-1	-1	
BOWL MATERIAL:	-1	-2	-2	-2	

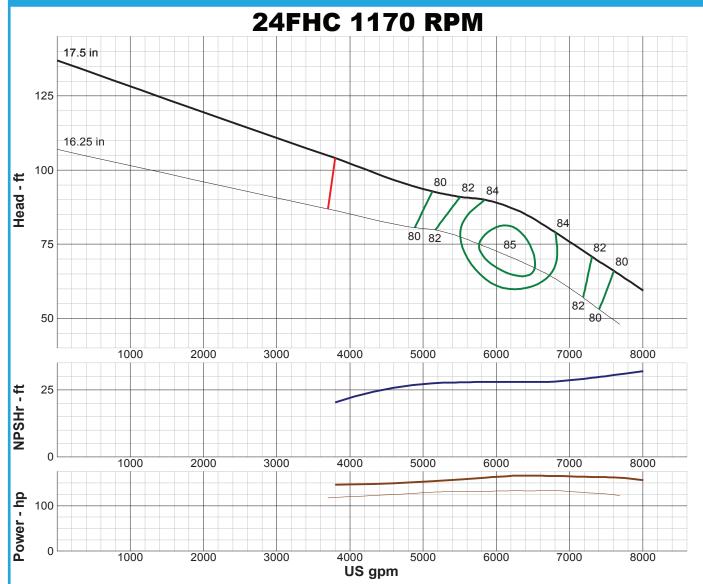
FLANGED BOWL DATA

BOWL NUMBER 5329 **BOWL MAX. DIAMETER** 24.000 IN. **BOWL MIN. DIAMETER** 23.750 IN. MAX. NO. STAGES ONE STAGE WEIGHT 1150 LB. ADD STAGE WEIGHT 850 LB. STD. SHAFT DIA. 2.688 IN. STD. LATERAL 0.938 IN. DISCHARGE SIZE N/A DISCHARGE CONNECTION FLG. SUCTION BELL DIA. 24.750 IN. SUCTION CONNECTION **BELL** MAX. SPHERE SIZE 2.000 IN. 250 (SPECIAL) MAX. OPERATIONAL P.S.I.



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER DATA						
IMPELLER NUMBER TYPE THRUST FACTOR EYE AREA WEIGHT	4883 ENCLOSED K=41.20 93.0 SQ. IN. 82.00 LB.	TRIM ANGLE: 18° Minimum submergence above eye of bottom impeller: 32 IN.				
EFFICIENCY CORRECTION						

PUMP MATERIAL EFFICIENCY CORRECTION							
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.							
CHANGE AS FOLLOWS:	-2	-1	0				
01141105 40 5011 01110							

NUMBER OF BOWLS:

PUMP MATERIAL EFFICIENCY CORRECTION					
	DUCTILE	BRONZE	NI-R	STAINLESS	
IMPELLER MATERIAL:	-1	0	-1	-1	
BOWL MATERIAL:	-1	-2	-2	-2	

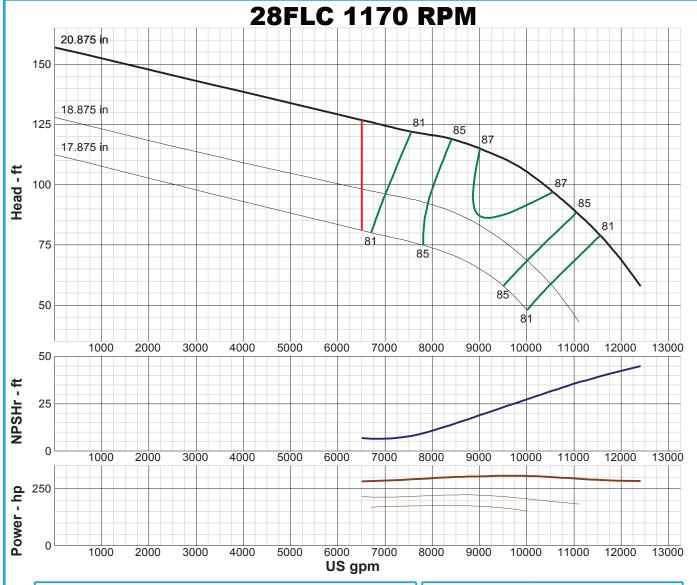
FLANGED BOWL DATA

BOWL NUMBER BOWL MAX. DIAMETER 24.000 IN. **BOWL MIN. DIAMETER** 23.750 IN. MAX. NO. STAGES ONE STAGE WEIGHT 1150 LB. ADD STAGE WEIGHT 850 LB. STD. SHAFT DIA. 2.688 IN. STD. LATERAL 0.938 IN. DISCHARGE SIZE N/A DISCHARGE CONNECTION FLG. SUCTION BELL DIA. 24.750 IN. SUCTION CONNECTION **BELL** MAX. SPHERE SIZE 2.000 IN. 250 (SPECIAL) MAX. OPERATIONAL P.S.I.



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER DATA					
IMPELLER NUMBER TYPE THRUST FACTOR EYE AREA WEIGHT	4892 ENCLOSED K=61.00 133 SQ. IN. 255 LB.	TRIM ANGLE: 22.5° Minimum submergence above eye of bottom impeller: 56 IN.			
EEI	EICIENCY C	OPPECTION			

EFFIC	IENCY	CORRI	ECTION	1	
NUMBER OF BOWLS:	1	2	3		
CHANGE AS FOLLOWS:	-1	0	+1		
CHANGE IN FEFICIENCY MAY	Y AFFFCT	BOTH HE	AD AND	HORSEPO)WFR

PUMP MATERIAL EFFICIENCY CORRECTION						
	DUCTILE	BRONZE	NI-R	STAINLESS		
IMPELLER MATERIAL:	-1	0	-1	-1		
BOWL MATERIAL:	-1	-1	-1	-2		

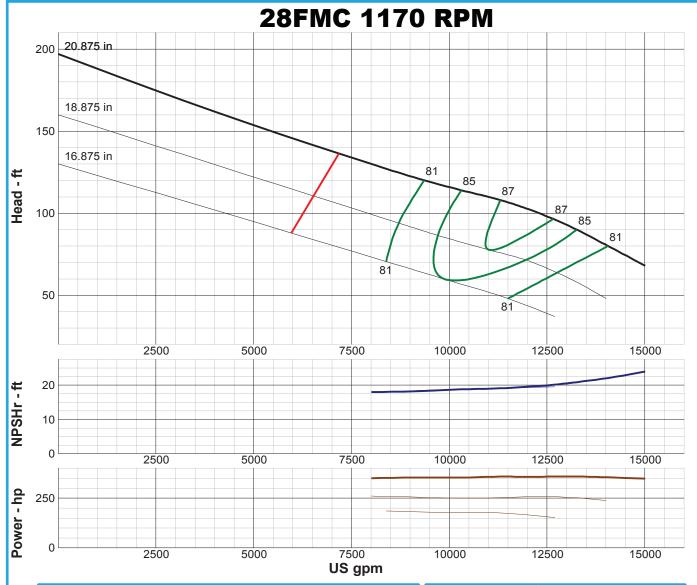
FLANGED BOWL DATA

BOWL NUMBER 5338 LEGN WITH MINS UPPOMETER BOWL MIN. DIAMETER 27.000 IN. 27.000 IN. MAX. NO. STAGES 2300 LB. ONE STAGE WEIGHT ADD STAGE WEIGHT 920 LB. STD. SHAFT DIA. 2.688 IN. 0.875 IN. STD. LATERAL DISCHARGE SIZE N/A DISCHARGE CONNECTION FLG. SUCTION BELL DIA. 30.750 IN. SUCTION CONNECTION **BELL** MAX. SPHERE SIZE 1.750 IN. 250 (SPECIAL) MAX. OPERATIONAL P.S.I.



SINGLE STAGE PERFORMANCE

APRIL 2020



	IMPELLE	R DATA
IMPELLER NUMBER TYPE THRUST FACTOR EYE AREA WEIGHT	4901 ENCLOSED K=61.00 133 SQ. IN. 255 LB.	TRIM ANGLE: 22.5° Minimum submergence above eye of bottom impeller: 60 IN.

EFFIC	IENCY	CORRI	ECTION	1	
NUMBER OF BOWLS:	1	2	3		
CHANGE AS FOLLOWS:	-1	0	+1		
CHANGE IN EFFICIENCY MAY	Y AFFECT	BOTH HE	AD AND	HORSEPO	WER.

PUMP MATERIAL EFFICIENCY CORRECTION					
	DUCTILE	BRONZE	NI-R	STAINLESS	
IMPELLER MATERIAL:	-1	0	-1	-1	
BOWL MATERIAL:	-1	-1	-1	-2	

FLANGED BOWL DATA

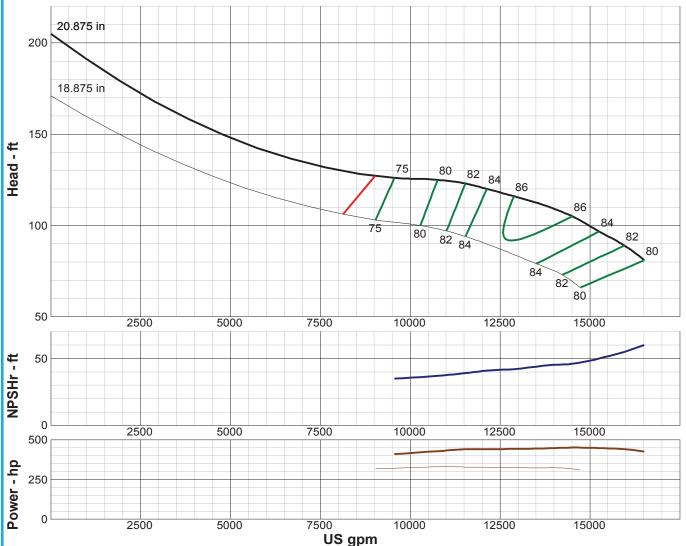
BOWL NUMBER BOWL MAX. DIAMETER 27.000 IN. **BOWL MIN. DIAMETER** 27.000 IN. MAX. NO. STAGES ONE STAGE WEIGHT 2300 LB. ADD STAGE WEIGHT 920 LB. STD. SHAFT DIA. 2.688 IN. STD. LATERAL 0.875 IN. DISCHARGE SIZE N/A DISCHARGE CONNECTION FLG. SUCTION BELL DIA. 30.750 IN. SUCTION CONNECTION **BELL** MAX. SPHERE SIZE 1.750 IN. 250 (SPECIAL) MAX. OPERATIONAL P.S.I.



SINGLE STAGE PERFORMANCE

APRIL 2020





IMPELLER DATA

IMPELLER NUMBER 0104 **TYPE ENCLOSED** THRUST FACTOR K=61.00 **EYE AREA** 133 SQ. IN. WEIGHT 255 LB.

TRIM ANGLE: 22.5°

Minimum submergence above eye of bottom impeller: 62 IN.

EFFICIENCY CORRECTION

NUMBER OF BOWLS:	1	2	3		
CHANGE AS FOLLOWS:	-1	0	+1		
CHANCE IN EFFICIENCY MAY	/ A E E E C T	DOTLLLI		HODGEDO	NA/ED

CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-1	0	-1	-1
BOWL MATERIAL:	-1	-1	-1	-2

FLANGED BOWL DATA

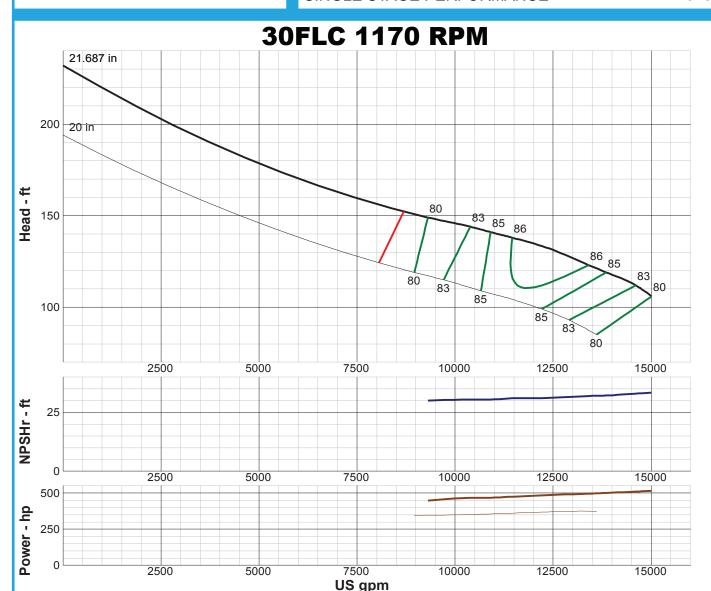
BOWL NUMBER BOWL MAX. DIAMETER BOWL MIN. DIAMETER MAX. NO. STAGES ONE STAGE WEIGHT 920 LB. ADD STAGE WEIGHT STD. SHAFT DIA. STD. LATERAL DISCHARGE SIZE N/A DISCHARGE CONNECTION FLG. SUCTION BELL DIA. SUCTION CONNECTION **BELL** MAX. SPHERE SIZE 1.750 IN. MAX. OPERATIONAL P.S.I. 250 (SPECIAL)

27.000 IN. 27.000 IN. 2300 LB. 2.688 IN. 0.875 IN. 30.750 IN.



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER DATA IMPELLER NUMBER TYPE THRUST FACTOR EYE AREA WEIGHT IMPELLER DATA TRIM ANGLE: 27.5° Minimum submergence above eye of bottom impeller: 60 IN. TRIM ANGLE: 27.5° Minimum submergence above eye of bottom impeller: 60 IN.

NUMBER OF BOWLS:	1	2	3		
CHANGE AS FOLLOWS:	-2	0	+1		
CHANGE IN EFFICIENCY MAY	Y AFFECT	BOTH HE	EAD AND	HORSEPO	WER.

PUMP MATERIAL EFFICIENCY CORRECTION						
	DUCTILE	BRONZE	NI-R	STAINLESS		
IMPELLER MATERIAL:	-1	0	-1	-1		
BOWL MATERIAL:	-1	-1	-1	-2		

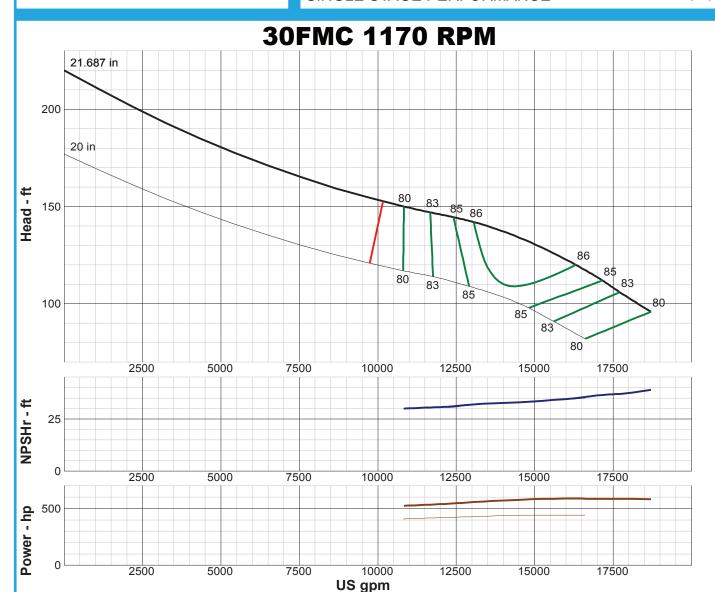
FLANGED BOWL DATA

BOWL NUMBER BOWL MAX. DIAMETER 30.000 IN. **BOWL MIN. DIAMETER** 30.000 IN. MAX. NO. STAGES ONE STAGE WEIGHT 4500 LB. ADD STAGE WEIGHT 2000 LB. STD. SHAFT DIA. 3.250 IN. STD. LATERAL 1.375 IN. DISCHARGE SIZE N/A DISCHARGE CONNECTION FLG. SUCTION BELL DIA. 33.250 IN. SUCTION CONNECTION **BELL** MAX. SPHERE SIZE 2.500 IN. 250 (SPECIAL) MAX. OPERATIONAL P.S.I.



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER DATA IMPELLER NUMBER TYPE THRUST FACTOR EYE AREA WEIGHT IMPELLER DATA TRIM ANGLE: 27.5° Minimum submergence above eye of bottom impeller: 50 IN. EFFICIENCY CORRECTION

NUMBER OF BOWLS:	1	2			
CHANGE AS FOLLOWS:	-2	0			
CHANGE AS FOLLOWS: -2 0 CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.					

PUMP MATERIAL EFFICIENCY CORRECTION					
	DUCTILE	BRONZE	NI-R	STAINLESS	
IMPELLER MATERIAL:	-1	0	-1	-1	
BOWL MATERIAL:	-1	-1	-1	-2	

FLANGED BOWL DATA

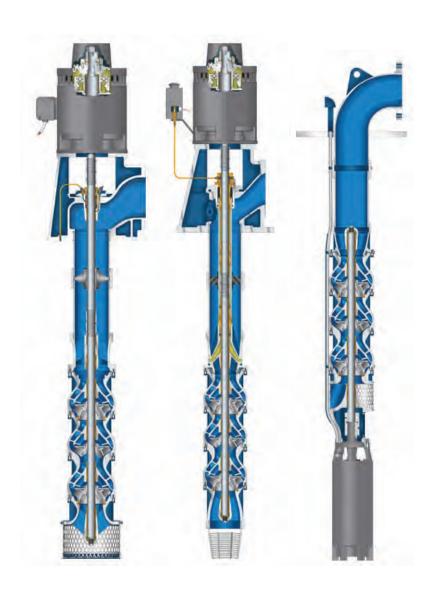
BOWL NUMBER 0235 **BOWL MAX. DIAMETER** 30.000 IN. **BOWL MIN. DIAMETER** 30.000 IN. MAX. NO. STAGES 4500 LB. ONE STAGE WEIGHT ADD STAGE WEIGHT 2000 LB. STD. SHAFT DIA. 3.250 IN. STD. LATERAL 1.375 IN. DISCHARGE SIZE N/A DISCHARGE CONNECTION BELL SUCTION BELL DIA. 33.250 IN. SUCTION CONNECTION **BELL** MAX. SPHERE SIZE 2.500 IN. 250 (SPECIAL) MAX. OPERATIONAL P.S.I.



PERFORMANCE CURVES

LINESHAFT & SUBMERSIBLE

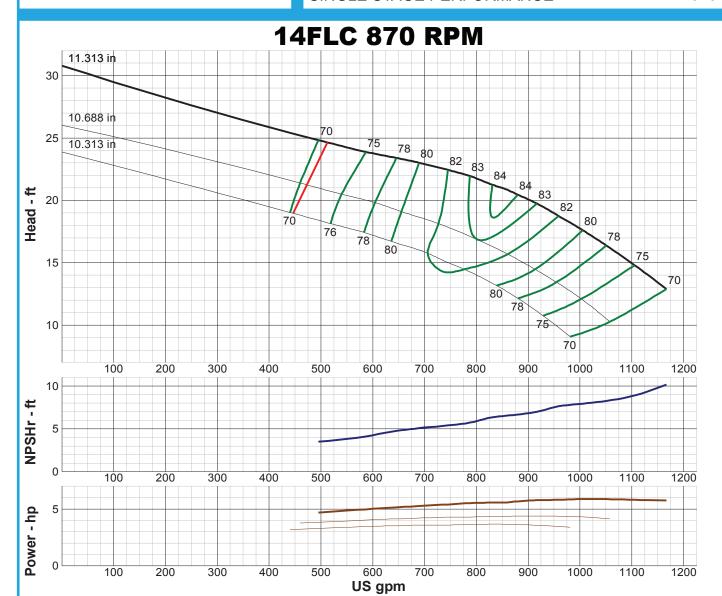
880 RPM





SINGLE STAGE PERFORMANCE

APRIL 2020



	IMPELLE	ER DATA
MDELLED NUMBER	2105	TOIM AN

IMPELLER NUMBER3105TYPEENCLOSEDTHRUST FACTORK=17.20EYE AREA31.5 SQ. IN.WEIGHT28.00 LB.

TRIM ANGLE: 23°

Minimum submergence above eye of bottom impeller: 30 IN.

NUMBER OF BOWLS: 1 2 3 4 CHANGE AS FOLLOWS: -4 -2 -1 0 CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTION						
	DUCTILE	BRONZE	NI-R	STAINLESS		
IMPELLER MATERIAL:	-2	0	-1	-1		
BOWL MATERIAL:	-2	-1	-2	-2		

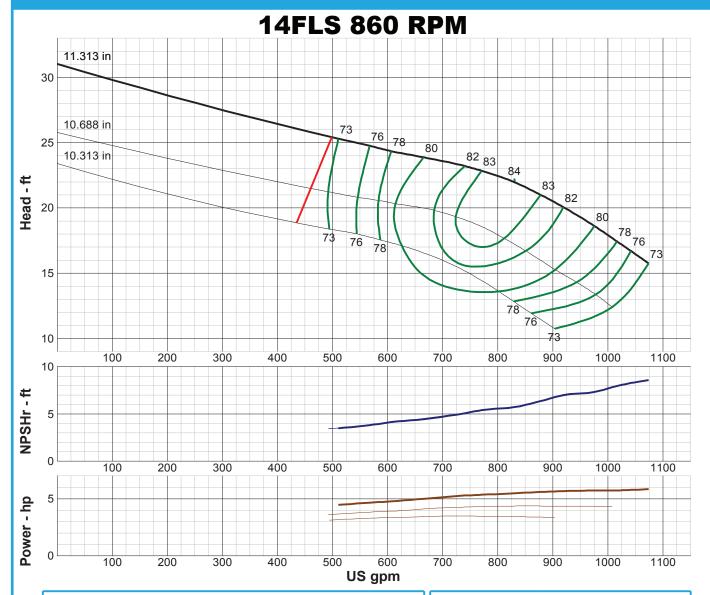
FLANGED BOWL DATA

BOWL NUMBER 3106 BOWL MAX. DIAMETER 13.500 IN. **BOWL MIN. DIAMETER** 13.250 IN. MAX. NO. STAGES 27 ONE STAGE WEIGHT 490 LB. ADD STAGE WEIGHT 175 LB. STD. SHAFT DIA. 1.938 IN. STD. LATERAL 0.875 IN. DISCHARGE SIZE 10 - 12 IN. DISCHARGE CONNECTION THD - FLG SUCTION SIZE 10 - 12 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 0.750 IN. MAX. OPERATIONAL P.S.I. 540 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER DATA						
IMPELLER NUMBER TYPE THRUST FACTOR EYE AREA WEIGHT	3107 ENCLOSED K=19.70 31.5 SQ. IN. 18.50 LB.	TRIM ANGLE: 23° Minimum submergence above eye of bottom impeller: 30 IN.				

EFFICIENCY CORRECTION					
NUMBER OF BOWLS:	1	2	3		
CHANGE AS FOLLOWS:	-2	-1	0		
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.					

PUMP MATERIAL EFFICIENCY CORRECTION					
	DUCTILE	BRONZE	NI-R	STAINLESS	
IMPELLER MATERIAL:	-2	0	-1	-1	
BOWL MATERIAL:	-2	-1	-2	-2	

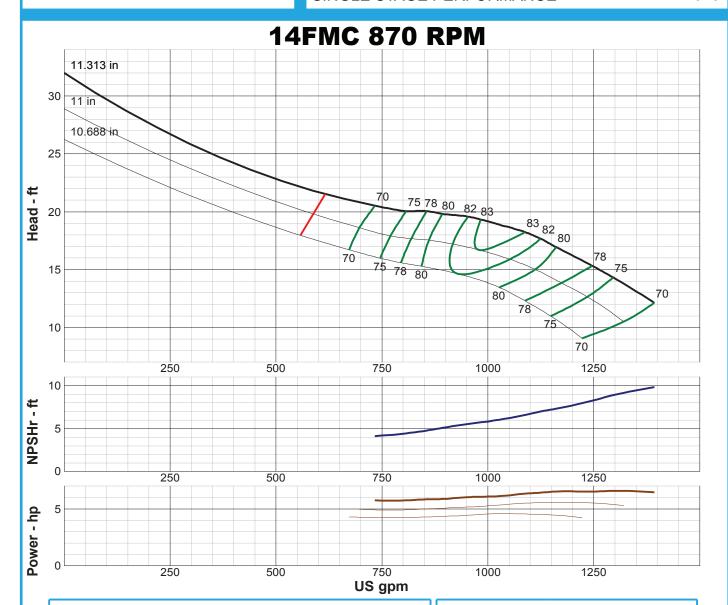
FLANGED BOWL DATA

BOWL NUMBER 3106 **BOWL MAX. DIAMETER** 13.500 IN. **BOWL MIN. DIAMETER** 13.250 IN. MAX. NO. STAGES ONE STAGE WEIGHT 490 LB. ADD STAGE WEIGHT 175 LB. STD. SHAFT DIA. 1.938 IN. STD. LATERAL 0.875 IN. DISCHARGE SIZE 10 - 12 IN. DISCHARGE CONNECTION THD - FLG SUCTION SIZE 10 - 12 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 0.750 IN. 540 (SPECIAL) MAX. OPERATIONAL P.S.I.



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER NUMBER 3065
TYPE ENCLOSED
THRUST FACTOR K=21.80
EYE AREA 40.9 SQ. IN.
WEIGHT 28.00 LB.

TRIM ANGLE: 30°

Minimum submergence above eye of bottom impeller: 30 IN.

NUMBER OF BOWLS: 1 2 3 4 CHANGE AS FOLLOWS: -4 -2 -1 0

CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTION					
	DUCTILE	BRONZE	NI-R	STAINLESS	
IMPELLER MATERIAL:	-2	0	-1	-1	
BOWL MATERIAL:	-2	-1	-2	-2	

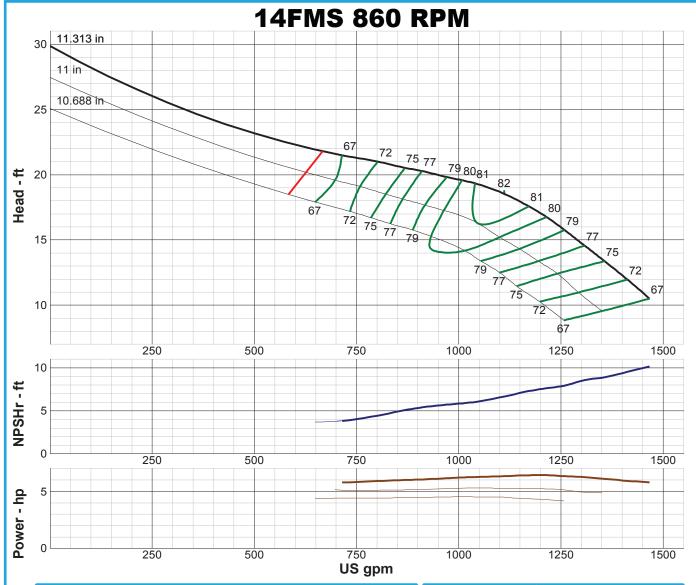
FLANGED BOWL DATA

BOWL NUMBER 3042 **BOWL MAX. DIAMETER** 13.500 IN. BOWL MIN. DIAMETER 13.250 IN. MAX. NO. STAGES 490 LB. ONE STAGE WEIGHT ADD STAGE WEIGHT 175 LB. STD. SHAFT DIA. 1.938 IN. STD. LATERAL 0.875 IN. DISCHARGE SIZE 10 - 12 IN. DISCHARGE CONNECTION THD - FLG 10 - 12 IN. SUCTION SIZE SUCTION CONNECTION THD MAX. SPHERE SIZE 1.250 IN. MAX. OPERATIONAL P.S.I. 540 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER DATA						
IMPELLER NUMBER TYPE THRUST FACTOR EYE AREA WEIGHT	3078 SEMI-OPEN K=23.40 40.9 SQ. IN. 20.25 LB.	TRIM ANGLE: 30° Minimum submergence above eye of bottom impeller: 30 IN.				
FFFICIENCY CORRECTION						

		•••••		_	
NUMBER OF BOWLS:	1	2	3	4	
CHANGE AS FOLLOWS:	-3	-2	-1	0	
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.					

PUMP MATERIAL EFFICIENCY CORRECTION					
	DUCTILE	BRONZE	NI-R	STAINLESS	
IMPELLER MATERIAL:	-2	0	-1	-1	
BOWL MATERIAL:	-2	-1	-2	-2	

FLANGED BOWL DATA

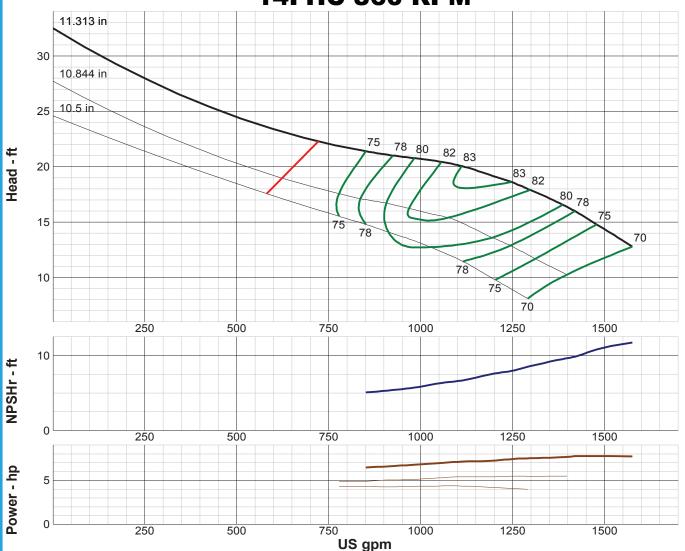
BOWL NUMBER	3042
BOWL MAX. DIAMETER	13.500 IN.
BOWL MIN. DIAMETER	13.250 IN.
MAX. NO. STAGES	10
ONE STAGE WEIGHT	490 LB.
ADD STAGE WEIGHT	175 LB.
STD. SHAFT DIA.	1.938 IN.
STD. LATERAL	0.875 IN.
DISCHARGE SIZE	10 - 12 IN.
DISCHARGE CONNECTION	THD - FLG
SUCTION SIZE	10 - 12 IN.
SUCTION CONNECTION	THD
MAX. SPHERE SIZE	1.250 IN.
MAX. OPERATIONAL P.S.I.	540 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020





IMPELLER DATA

TRIM ANGLE: 32.5°

Minimum submergence above eye of bottom impeller: 32 IN.

NUMBER OF BOWLS: 1 2 3 4 CHANGE AS FOLLOWS: -4 -2 -1 0

CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTION						
DUCTILE BRONZE NI-R STAINLESS						
IMPELLER MATERIAL:	-2	0	-1	-1		
BOWL MATERIAL:	-2	-1	-2	-2		

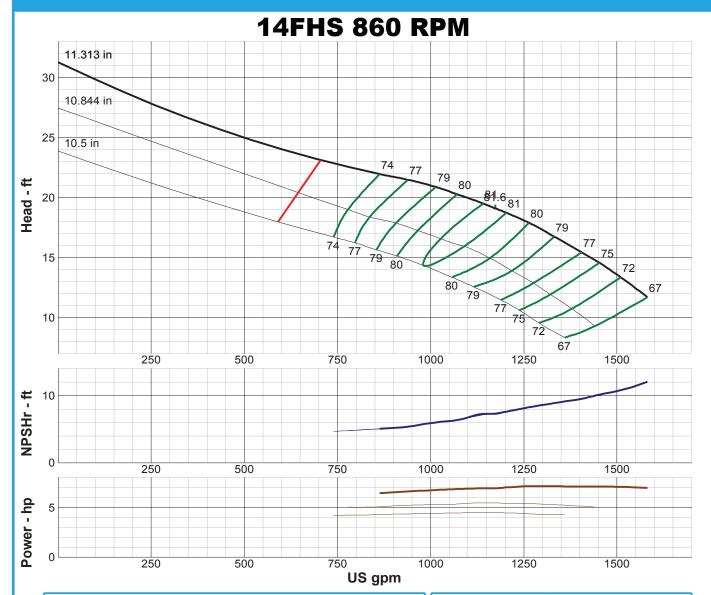
FLANGED BOWL DATA

BOWL NUMBER	3042
BOWL MAX. DIAMETER	13.500 IN.
BOWL MIN. DIAMETER	13.250 IN.
MAX. NO. STAGES	19
ONE STAGE WEIGHT	490 LB.
ADD STAGE WEIGHT	175 LB.
STD. SHAFT DIA.	1.938 IN.
STD. LATERAL	0.875 IN.
DISCHARGE SIZE	10 - 12 IN.
DISCHARGE CONNECTION	THD - FLG
SUCTION SIZE	10 - 12 IN.
SUCTION CONNECTION	THD
MAX. SPHERE SIZE	1.250 IN.
MAX. OPERATIONAL P.S.I.	540 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER DATA						
IMPELLER NUMBER TYPE THRUST FACTOR EYE AREA WEIGHT	3029 SEMI-OPEN K=25.20 43.9 SQ. IN. 21.25 LB.	TRIM ANGLE: 32.5° Minimum submergence above eye of bottom impeller: 32 IN.				
FEEICIENCY COPPECTION						

EFFICIENCY CORRECTION						
NUMBER OF BOWLS:	1	2	3	4		
CHANGE AS FOLLOWS:	-3	-2	-1	0		
CHANGE IN EFFICIENCY MAY	Y AFFECT	BOTH HE	EAD AND	HORSEPO	WER.	

PUMP MATERIAL EFFICIENCY CORRECTION						
DUCTILE BRONZE NI-R STAINLES						
IMPELLER MATERIAL:	-2	0	-1	-1		
BOWL MATERIAL:	-2	-1	-2	-2		

FLANGED BOWL DATA

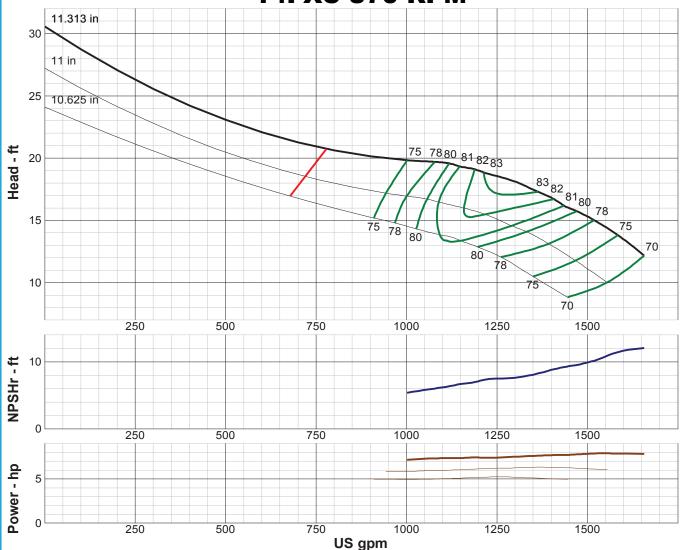
BOWL NUMBER 3042 **BOWL MAX. DIAMETER** 13.500 IN. BOWL MIN. DIAMETER 13.250 IN. MAX. NO. STAGES ONE STAGE WEIGHT 490 LB. ADD STAGE WEIGHT 175 LB. STD. SHAFT DIA. 1.938 IN. STD. LATERAL 0.875 IN. DISCHARGE SIZE 10 - 12 IN. DISCHARGE CONNECTION THD - FLG SUCTION SIZE 10 - 12 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 1.250 IN. MAX. OPERATIONAL P.S.I. 540 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020





IMPELLER DATA

IMPELLER NUMBER 3086
TYPE ENCLOSED
THRUST FACTOR K=21.80
EYE AREA 40.9 SQ. IN.
WEIGHT 29.25 LB.

TRIM ANGLE: 32.5°

Minimum submergence above eye of bottom impeller: 32 IN.

NUMBER OF BOWLS: 1 2 3 4 CHANGE AS FOLLOWS: -5 -3 -1 0 CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTION

FOMF MATERIAL ETTICIENCT CORRECTION							
	DUCTILE	BRONZE	NI-R	STAINLESS			
IMPELLER MATERIAL:	-2	0	-1	-1			
BOWL MATERIAL:	-2	-1	-2	-2			

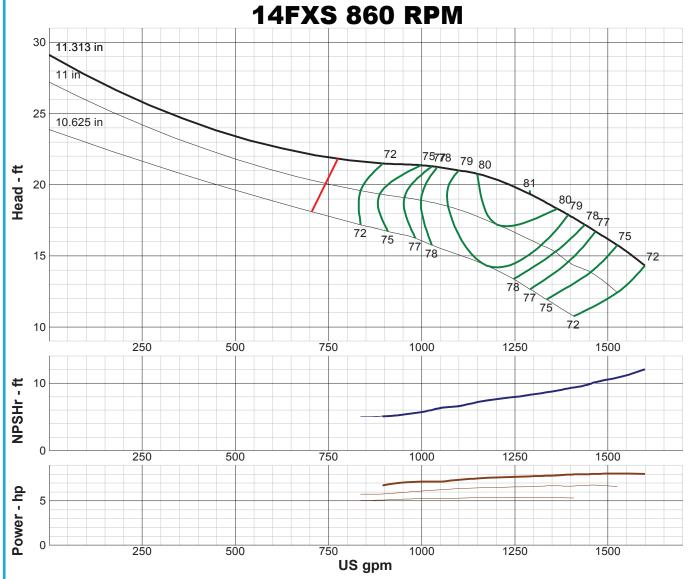
FLANGED BOWL DATA

BOWL NUMBER 3042 **BOWL MAX. DIAMETER** 13.500 IN. BOWL MIN. DIAMETER 13.250 IN. MAX. NO. STAGES 490 LB. ONE STAGE WEIGHT ADD STAGE WEIGHT 175 LB. STD. SHAFT DIA. 1.938 IN. STD. LATERAL 0.875 IN. DISCHARGE SIZE 10 - 12 IN. DISCHARGE CONNECTION THD - FLG 10 - 12 IN. SUCTION SIZE SUCTION CONNECTION THD MAX. SPHERE SIZE 1.250 IN. MAX. OPERATIONAL P.S.I. 540 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER DATA						
IMPELLER NUMBER TYPE THRUST FACTOR EYE AREA WEIGHT	3092 SEMI-OPEN K=23.40 40.9 SQ. IN. 20.25 LB.	TRIM ANGLE: 32.5° Minimum submergence above eye of bottom impeller: 32 IN.				

EFFICIENCY CORRECTION						
NUMBER OF BOWLS:	1	2	3	4		
CHANGE AS FOLLOWS:	-3	-2	-1	0		
CHANGE IN EFFICIENCY MAY	Y AFFECT	BOTH HE	AD AND	HORSEPO)WFR	

PUMP MATERIAL EFFICIENCY CORRECTION						
DUCTILE BRONZE NI-R STAINLESS						
IMPELLER MATERIAL:	-2	0	-1	-1		
BOWL MATERIAL:	-2	-1	-2	-2		

BOWL NUMBER 3042 **BOWL MAX. DIAMETER** 13.500 IN. BOWL MIN. DIAMETER 13.250 IN. MAX. NO. STAGES ONE STAGE WEIGHT 490 LB. ADD STAGE WEIGHT 175 LB. STD. SHAFT DIA. 1.938 IN. STD. LATERAL 0.875 IN. DISCHARGE SIZE 10 - 12 IN. DISCHARGE CONNECTION THD - FLG SUCTION SIZE 10 - 12 IN. SUCTION CONNECTION THD

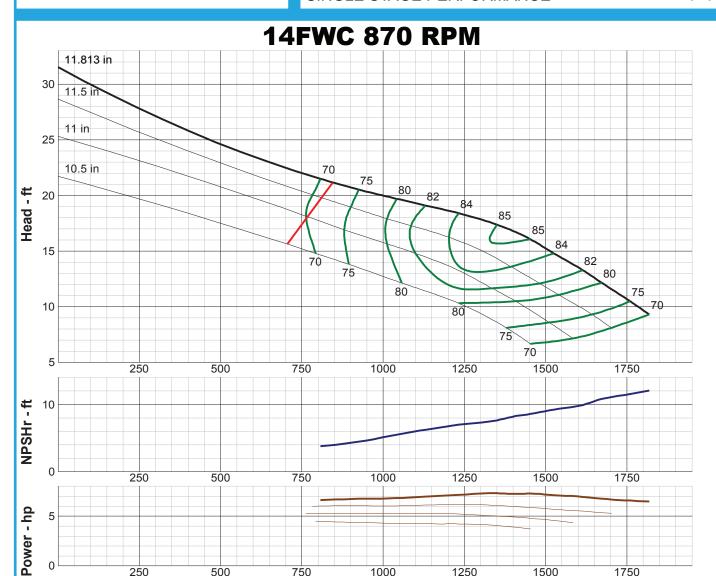
FLANGED BOWL DATA

MAX. SPHERE SIZE 1.250 IN. MAX. OPERATIONAL P.S.I. 540 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER DATA IMPELLER NUMBER TYPE ENCLOSED THRUST FACTOR K=24.80 EYE AREA 47.4 SQ. IN. WEIGHT 31.75 LB. TRIM ANGLE: 35' Minimum submergence above eye of bottom impeller: 34 IN.

EFFICIENCY CORRECTION						
NUMBER OF BOWLS:	1	2	3	4		
CHANGE AS FOLLOWS:	-4	-2	-1	0		
CHANGE IN EFFICIENCY MAY	Y AFFECT	BOTH HE	AD AND	HORSEPO	WER.	

PUMP MATERIAL EFFICIENCY CORRECTION						
DUCTILE BRONZE NI-R STAINLESS						
IMPELLER MATERIAL:	-2	0	-1	-1		
BOWL MATERIAL:	-2	-1	-2	-2		

FLANGED BOWL DATA

BOWL NUMBER 4152 **BOWL MAX. DIAMETER** 14.063 IN. BOWL MIN. DIAMETER 13.750 IN. MAX. NO. STAGES 21 ONE STAGE WEIGHT 500 LB. ADD STAGE WEIGHT 185 LB. 1.938 IN. STD. SHAFT DIA. STD. LATERAL 0.875 IN. DISCHARGE SIZE 10 - 12 IN. DISCHARGE CONNECTION THD -FLG SUCTION SIZE 10 - 12 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 1.500 IN. MAX. OPERATIONAL P.S.I. 540 (SPECIAL)

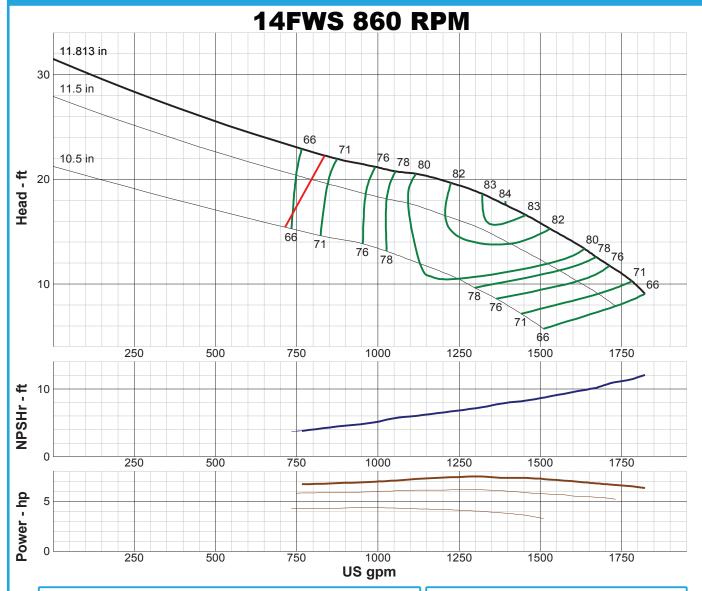
Performance based on pumping clear, fresh water at a temperature not over 85° F., free of gas, air or abrasives and with bowls properly adjusted and submerged. Performance curve reflects Hydraulic Institute tolerances and guidelines.

US gpm



SINGLE STAGE PERFORMANCE

APRIL 2020



	IMPELLE	R DATA
IMPELLER NUMBER	4153	TRIM ANGLE: 35°
TYPE	SEMI-OPEN	Minimum aubmaraana
THRUST FACTOR	K=26.20	Minimum submergence

EYE AREA 47.3 SQ. IN. WEIGHT 23.25 LB.

Minimum submergence above eye of bottom impeller: 34 IN.

EFFICIENCY CORRECTION						
NUMBER OF BOWLS:	1	2	3	4		
CHANGE AS FOLLOWS: -4 -2 -1 0						
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.						

PUMP MATERIAL EFFICIENCY CORRECTION					
DUCTILE BRONZE NI-R STAINLE					
IMPELLER MATERIAL:	-2	0	-1	-1	
BOWL MATERIAL:	-2	-1	-2	-2	

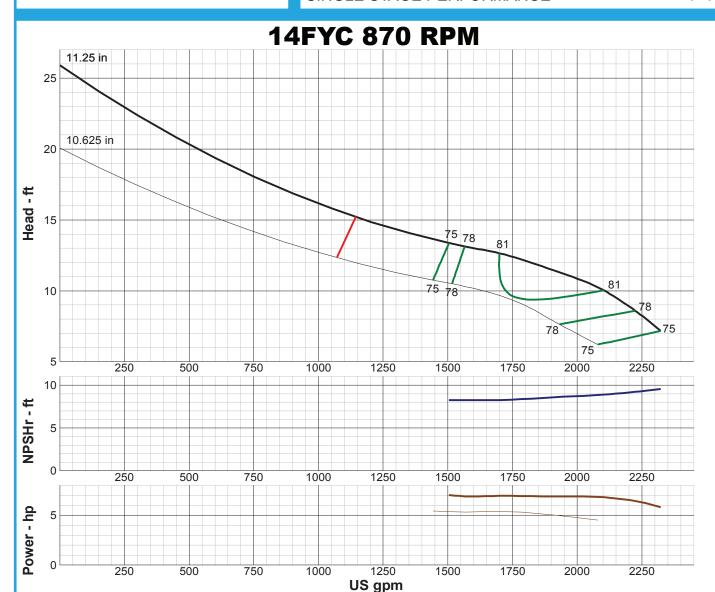
FLANGED BOWL DATA

BOWL NUMBER 4152 **BOWL MAX. DIAMETER** 14.063 IN. **BOWL MIN. DIAMETER** 13.750 IN. MAX. NO. STAGES 500 LB. ONE STAGE WEIGHT ADD STAGE WEIGHT 185 LB. STD. SHAFT DIA. 1.938 IN. 0.875 IN. STD. LATERAL DISCHARGE SIZE 10 - 12 IN. DISCHARGE CONNECTION THD - FLG SUCTION SIZE 10 - 12 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 1.500 IN. 540 (SPECIAL) MAX. OPERATIONAL P.S.I.



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER DATA IMPELLER NUMBER 3878 TYPE ENCLOSED THRUST FACTOR K=24.00 EYE AREA 57.0 SQ. IN. WEIGHT 28.00 LB. TRIM ANGLE: 35° Minimum submergence above eye of bottom impeller: 34 IN.

NUMBER OF BOWLS:

CHANGE AS FOLLOWS:

PUMP MATERIAL EFFICIENCY CORRECTION					
	DUCTILE	BRONZE	NI-R	STAINLESS	
IMPELLER MATERIAL:	-2	0	-1	-1	
BOWL MATERIAL:	-2	-1	-2	-2	

CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

-2

FLANGED BON	LUAIA
BOWL NUMBER	3869
BOWL MAX. DIAMETER	13.750 IN.
BOWL MIN. DIAMETER	13.500 IN.
MAX. NO. STAGES	15
ONE STAGE WEIGHT	335 LB.
ADD STAGE WEIGHT	188 LB.
STD. SHAFT DIA.	1.938 IN.
STD. LATERAL	0.635 IN.
DISCHARGE SIZE	10 - 12 IN.
DISCHARGE CONNECTION	THD - FLG
SUCTION SIZE	10 - 12 IN.
SUCTION CONNECTION	THD
MAX. SPHERE SIZE	1.250 IN.
MAX. OPERATIONAL P.S.I.	540 (SPECIAL)

FLANGED BOWL DATA

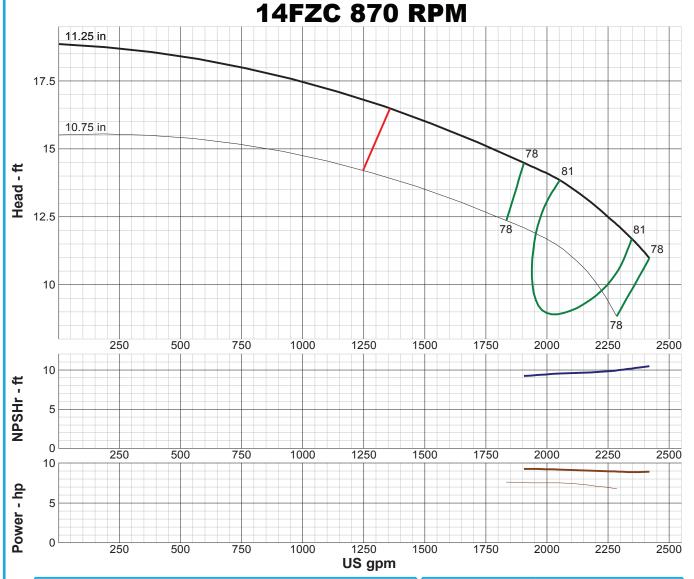
Performance based on pumping clear, fresh water at a temperature not over 85° F., free of gas, air or abrasives and with bowls properly adjusted and submerged. Performance curve reflects Hydraulic Institute tolerances and guidelines.

4



SINGLE STAGE PERFORMANCE

APRIL 2020



	IMPELLE	R DATA
IMPELLER NUMBER TYPE THRUST FACTOR EYE AREA WEIGHT	3896 ENCLOSED K=24.70 58.5 SQ. IN. 28.00 LB	TRIM ANGLE: 35° Minimum submergence above eye of bottom impeller: 34 IN.

EFFICIENCY CORRECTION					
NUMBER OF BOWLS: 1 2 3 4					
CHANGE AS FOLLOWS: -3 -2 -1 0					
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.					

PUMP MATERIAL EFFICIENCY CORRECTION					
	DUCTILE	BRONZE	NI-R	STAINLESS	
IMPELLER MATERIAL:	-2	0	-1	-1	
BOWL MATERIAL:	-2	-1	-2	-2	

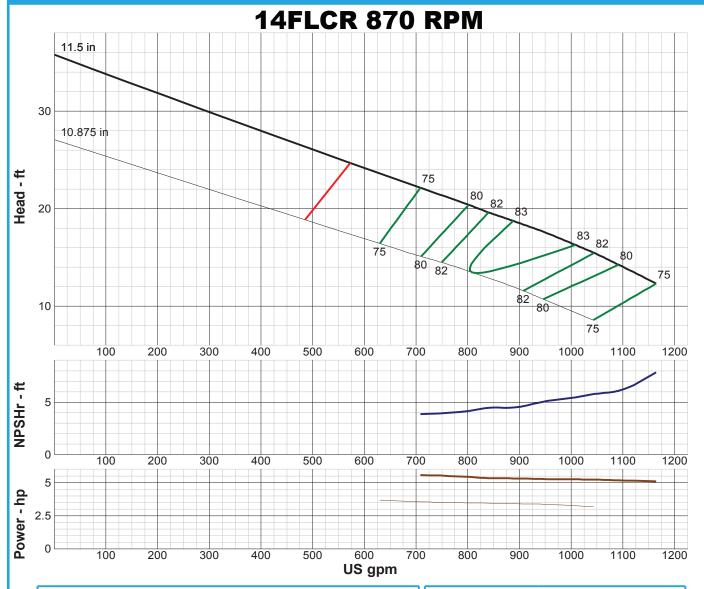
FLANGED BOWL DATA

BOWL NUMBER 3869 **BOWL MAX. DIAMETER** 13.750 IN. 13.500 IN. **BOWL MIN. DIAMETER** MAX. NO. STAGES 12 ONE STAGE WEIGHT 335 LB. ADD STAGE WEIGHT 188 LB. STD. SHAFT DIA. 1.938 IN. STD. LATERAL 0.625 IN. DISCHARGE SIZE 10 - 12 IN. DISCHARGE CONNECTION THD - FLG SUCTION SIZE 10 - 12 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 1.250 IN. MAX. OPERATIONAL P.S.I. 540 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER DATA					
IMPELLER NUMBER 0098 TYPE ENCLOSED THRUST FACTOR K=15.50 EYE AREA 37.8 SQ. IN. WEIGHT 26.00 LB.	TRIM ANGLE: 31° Minimum submergence above eye of bottom impeller: 36 IN.				

EFFICIENCY CORRECTION							
NUMBER OF BOWLS:	NUMBER OF BOWLS: 1 2 3						
CHANGE AS FOLLOWS: -4 -2 0							
CHANGE IN EFFICIENCY MAY	CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.						

PUMP MATERIAL EFFICIENCY CORRECTION				
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-1
BOWL MATERIAL:	-2	-1	-2	-2

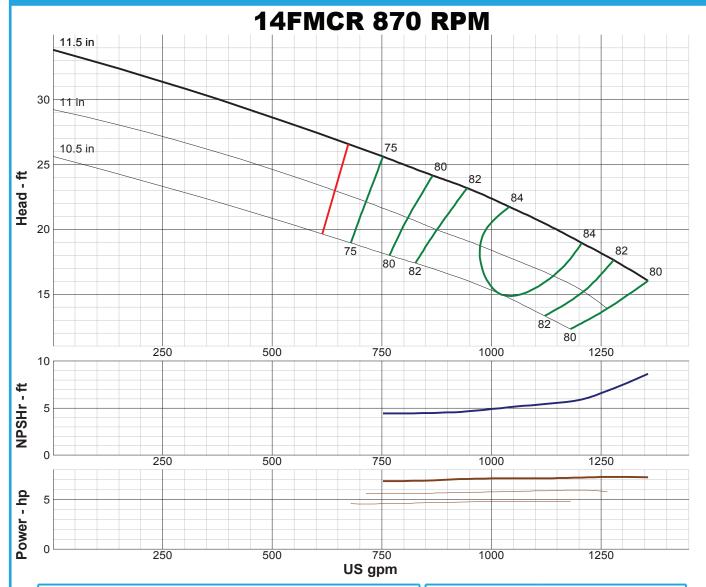
FLANGED BOWL DATA

BOWL NUMBER 5447 **BOWL MAX. DIAMETER** 14.250 IN. **BOWL MIN. DIAMETER** 14.125 IN. MAX. NO. STAGES 700 LB. ONE STAGE WEIGHT ADD STAGE WEIGHT 265 LB. STD. SHAFT DIA. 2.188 IN. STD. LATERAL 0.813 IN. **DISCHARGE SIZE** 10 - 12 IN. DISCHARGE CONNECTION THD - FLG SUCTION SIZE 10 - 12 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 1.250 IN. MAX. OPERATIONAL P.S.I. 540 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLED DATA				
	184	DEI	I ED	DATA

 IMPELLER NUMBER
 0101

 TYPE
 ENCLOSED

 THRUST FACTOR
 K=15.50

 EYE AREA
 37.8 SQ. IN.

 WEIGHT
 26.00 LB.

TRIM ANGLE: 31°

Minimum submergence above eye of bottom impeller: 36 IN.

EFFICIENCY CORRECTION

_				
NUMBER OF BOWLS:	1	2	3	
CHANGE AS FOLLOWS:	-4	-2	0	

CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-1
BOWL MATERIAL:	-2	-1	-2	-2

FLANGED BOWL DATA

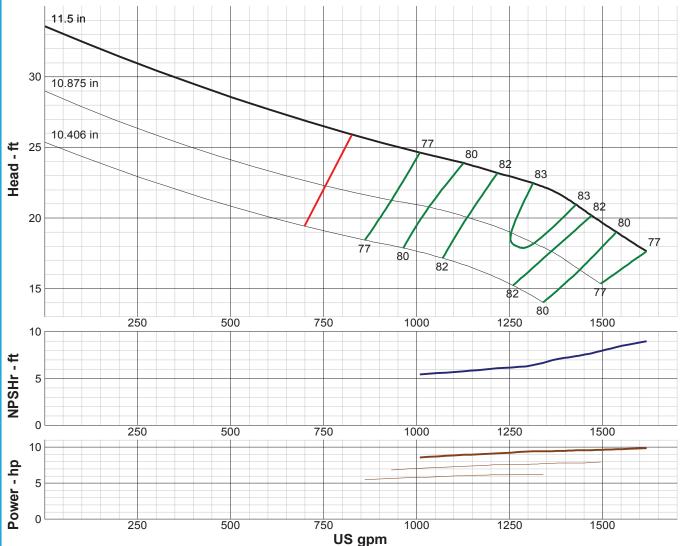
BOWL NUMBER 5447 **BOWL MAX. DIAMETER** 14.250 IN. BOWL MIN. DIAMETER 14.125 IN. MAX. NO. STAGES 700 LB. ONE STAGE WEIGHT ADD STAGE WEIGHT 265 LB. STD. SHAFT DIA. 2.188 IN. STD. LATERAL 0.813 IN. DISCHARGE SIZE 10 - 12 IN. DISCHARGE CONNECTION THD - FLG 10 - 12 IN. SUCTION SIZE SUCTION CONNECTION THD MAX. SPHERE SIZE 1.250 IN. MAX. OPERATIONAL P.S.I. 540 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020





IMPELLER DATA

IMPELLER NUMBER	0103
TYPE	ENCLOSED
THRUST FACTOR	K=15.50
EYE AREA	37.8 SQ. IN.
WEIGHT	26.00 LB.

TRIM ANGLE: 31°

Minimum submergence above eye of bottom impeller: 36 IN.

EFFICIENCY CORRECTION

NUMBER OF BOWLS:	1	2	3	
CHANGE AS FOLLOWS:	-4	-2	0	

CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-1
BOWL MATERIAL:	-2	-1	-2	-2

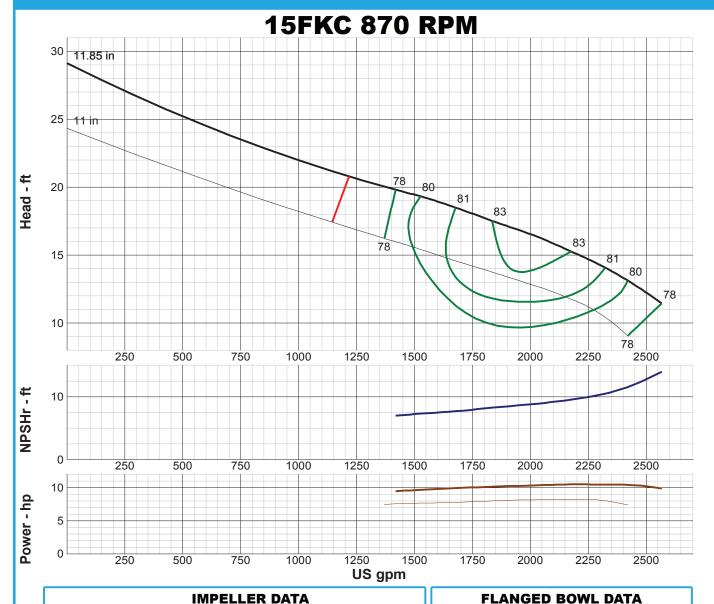
FLANGED BOWL DATA

BOWL NUMBER 5447 **BOWL MAX. DIAMETER** 14.250 IN. 14.125 IN. **BOWL MIN. DIAMETER** MAX. NO. STAGES 16 ONE STAGE WEIGHT 700 LB. ADD STAGE WEIGHT 265 LB. STD. SHAFT DIA. 2.188 IN. STD. LATERAL 0.813 IN. DISCHARGE SIZE 10 - 12 IN. DISCHARGE CONNECTION THD - FLG SUCTION SIZE 10 - 12 IN. SUCTION CONNECTION THD MAX. SPHERE SIZE 1.250 IN. MAX. OPERATIONAL P.S.I. 540 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER DATA							
IMPELLER NUMBER TYPE THRUST FACTOR EYE AREA WEIGHT	0004 ENCLOSED K=28.00 63.6 SQ. IN. 30.00 LB.	Minii		34° nergence a impeller: (
EFFICIENCY CORRECTION							
NUMBER OF BOWLS:	1	2	3	4			

CHANGE AS FOLLOWS:

PUMP MATERIAL EFFICIENCY CORRECTION						
	DUCTILE	BRONZE	NI-R	STAINLESS		
IMPELLER MATERIAL:	-2	0	-1	-1		
BOWL MATERIAL:	-2	_1	-2	-2		

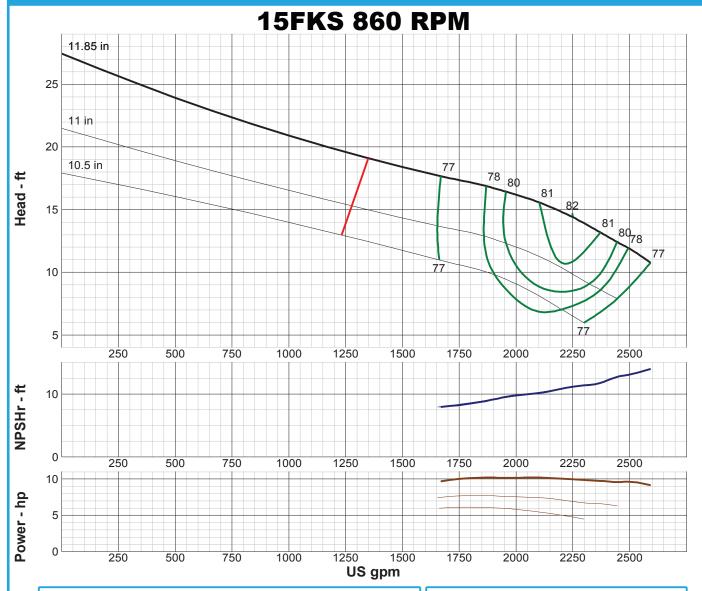
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

BOWL NUMBER 0001 **BOWL MAX. DIAMETER** 15.250 IN. **BOWL MIN. DIAMETER** 14.750 IN. MAX. NO. STAGES 14 ONE STAGE WEIGHT 510 LB. ADD STAGE WEIGHT 195 LB. 1.938 IN. STD. SHAFT DIA. STD. LATERAL 0.688 IN. DISCHARGE SIZE 10 - 12 IN. DISCHARGE CONNECTION THD - FLG 10 - 12 IN. SUCTION SIZE SUCTION CONNECTION THD MAX. SPHERE SIZE 2.250 IN. MAX. OPERATIONAL P.S.I. 540 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER DATA							
IMPELLER NUMBER TYPE THRUST FACTOR EYE AREA WEIGHT	0004 SEMI-OPEN K=30.00 63.6 SQ. IN. 21.00 LB.	TRIM ANGLE: 34° Minimum submergence above eye of bottom impeller: 36 IN.					

EFFICIENCY CORRECTION						
NUMBER OF BOWLS:	1	2	3	4		
CHANGE AS FOLLOWS:	-3	-2	-1	0		
CHANGE IN EFFICIENCY MAY	CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER					

PUMP MATERIAL EFFICIENCY CORRECTION					
DUCTILE BRONZE NI-R STAINLESS					
IMPELLER MATERIAL:	-2	0	-1	-1	
BOWL MATERIAL:	-2	-1	-2	-2	

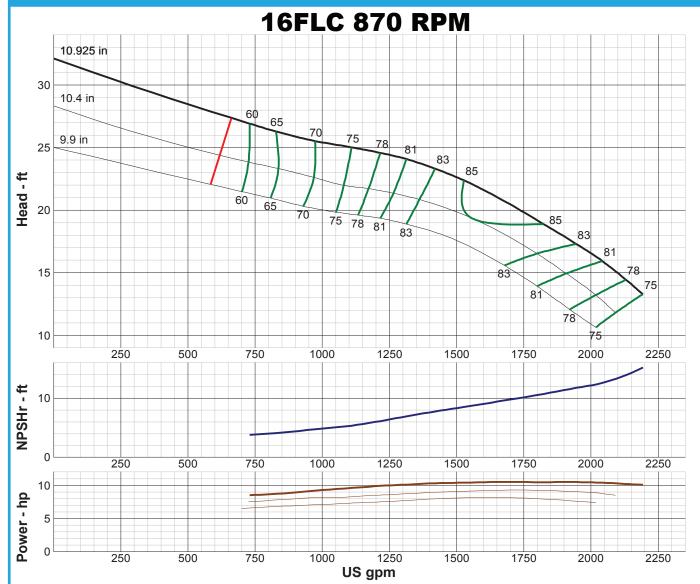
FLANGED BOWL DATA

BOWL NUMBER	0001
BOWL MAX. DIAMETER	15.250 IN.
BOWL MIN. DIAMETER	14.750 IN.
MAX. NO. STAGES	6
ONE STAGE WEIGHT	375 LB.
ADD STAGE WEIGHT	170 LB.
STD. SHAFT DIA.	1.938 IN.
STD. LATERAL	0.688 IN.
DISCHARGE SIZE	10 - 12 IN.
DISCHARGE CONNECTION	THD - FLG
SUCTION SIZE	10 - 12 IN.
SUCTION CONNECTION	THD
MAX. SPHERE SIZE	2.250 IN.
MAX. OPERATIONAL P.S.I.	540 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER DATA IMPELLER NUMBER TYPE THRUST FACTOR EYE AREA WEIGHT IMPELLER DATA TRIM ANGLE: 14° Minimum submergence above eye of bottom impeller: 32 IN.

EFFICIENCY CORRECTION						
NUMBER OF BOWLS:	1	2	3			
CHANGE AS FOLLOWS:	-2	-1	0			
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER						

PUMP MATERIAL EFFICIENCY CORRECTION					
	DUCTILE	BRONZE	NI-R	STAINLESS	
IMPELLER MATERIAL:	-2	0	-1	-1	
BOWL MATERIAL:	-2	-1	-2	-2	

FLANGED BOWL DATA

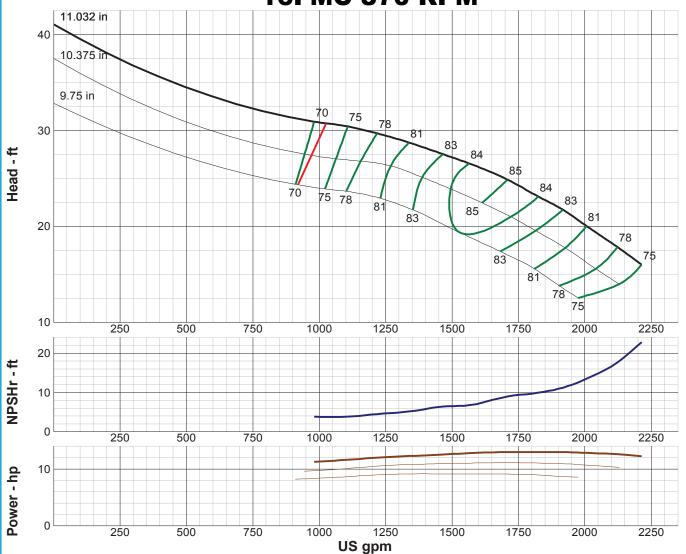
BOWL NUMBER 0310 **BOWL MAX. DIAMETER** 15.375 IN. **BOWL MIN. DIAMETER** 15.375 IN. MAX. NO. STAGES 14 630 LB. ONE STAGE WEIGHT ADD STAGE WEIGHT 260 LB. STD. SHAFT DIA. 2.250 IN. STD. LATERAL 0.563 IN. **DISCHARGE SIZE** N/A DISCHARGE CONNECTION FLG 16.750 IN. SUCTION BELL DIA. SUCTION CONNECTION BELL MAX. SPHERE SIZE 1.375 IN. MAX. OPERATIONAL P.S.I. 300 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020





IMPELLER DATA

IMPELLER NUMBER 0308
TYPE ENCLOSED
THRUST FACTOR K=23.00
EYE AREA 58.4 SQ. IN.
WEIGHT 42.00 LB.

CHANGE AS FOLLOWS:

TRIM ANGLE: 27°

Minimum submergence above eye of bottom impeller: 36 IN.

NUMBER OF BOWLS: 1 2 3

CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTIONDUCTILEBRONZENI-RSTAINLESSIMPELLER MATERIAL:-20-1-1BOWL MATERIAL:-2-1-2-2

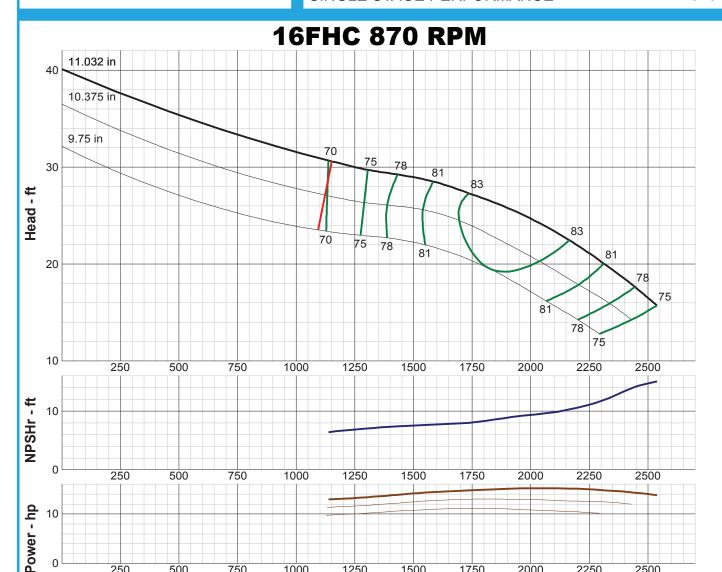
FLANGED BOWL DATA

BOWL NUMBER 0306 **BOWL MAX. DIAMETER** 16.000 IN. **BOWL MIN. DIAMETER** 16.000 IN. MAX. NO. STAGES 14 ONE STAGE WEIGHT 630 LB. ADD STAGE WEIGHT 260 LB. STD. SHAFT DIA. 2.250 IN. STD. LATERAL 0.750 IN. DISCHARGE SIZE N/A DISCHARGE CONNECTION FLG SUCTION BELL DIA. 17.375 IN. SUCTION CONNECTION **BELL** MAX. SPHERE SIZE 1.688 IN. MAX. OPERATIONAL P.S.I. 300 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER	R DATA

500

IMPELLER NUMBER 0309 **TYPE ENCLOSED** THRUST FACTOR K=23.00 58.4 SQ. IN. **EYE AREA** WEIGHT 52.00 LB.

250

TRIM ANGLE: 27°

1000

Minimum submergence above eye of bottom impeller: 36 IN.

1250

US gpm

1500

1750

EFFICIENCY CORRECTION NUMBER OF BOWLS: CHANGE AS FOLLOWS: -0.5 CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

750

PUMP MATERIAL EFFICIENCY CORRECTION					
	DUCTILE	BRONZE	NI-R	STAINLESS	
IMPELLER MATERIAL:	-2	0	-1	-1	
BOWL MATERIAL:	-2	-1	-2	-2	

FLANGED BOWL DATA

2000

2250

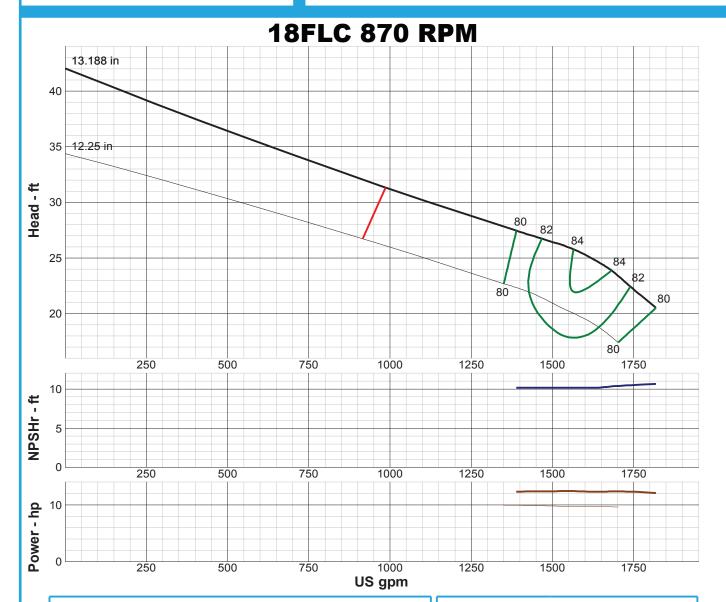
2500

BOWL NUMBER 0306 **BOWL MAX. DIAMETER** 16.000 IN. BOWL MIN. DIAMETER 16.000 IN. MAX. NO. STAGES 12 630 LB. ONE STAGE WEIGHT ADD STAGE WEIGHT 260 LB. STD. SHAFT DIA. 2.250 IN. STD. LATERAL 0.750 IN. DISCHARGE SIZE N/A DISCHARGE CONNECTION FLG 17.375 IN. SUCTION BELL DIA. SUCTION CONNECTION BELL MAX. SPHERE SIZE 1.688 IN. MAX. OPERATIONAL P.S.I. 300 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER	DATA

IMPELLER NUMBER 3914 **TYPE ENCLOSED** THRUST FACTOR K=21.75 46.0 SQ. IN. **EYE AREA** WEIGHT 42.00 LB.

TRIM ANGLE: 20°

Minimum submergence above eye of bottom impeller: 48 IN.

EFFICIENCY CORRECTION NUMBER OF BOWLS: CHANGE AS FOLLOWS: -2 -1 CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-1
BOWL MATERIAL:	-2	-1	-2	-2
	_	·	_	_

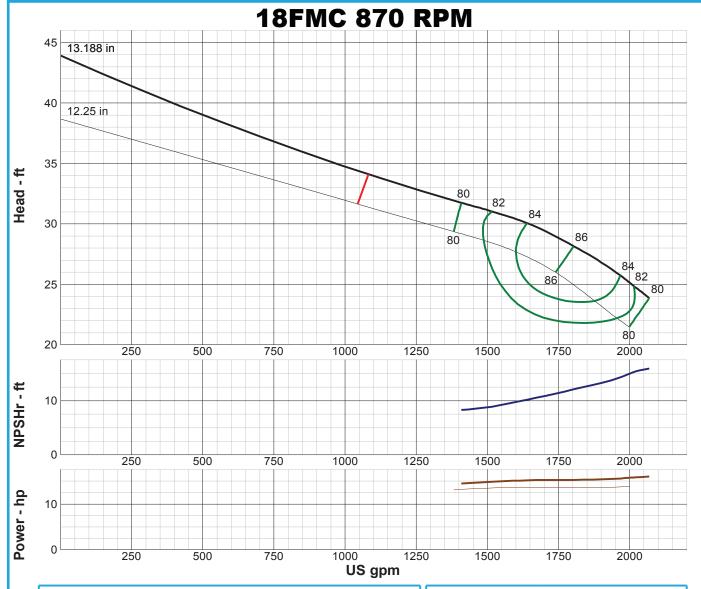
FLANGED BOWL DATA

BOWL NUMBER 3905 **BOWL MAX. DIAMETER** 17.750 IN. BOWL MIN. DIAMETER 17.500 IN. MAX. NO. STAGES 750 LB. ONE STAGE WEIGHT ADD STAGE WEIGHT 325 LB. STD. SHAFT DIA. 2.188 IN. STD. LATERAL 0.500 IN. DISCHARGE SIZE N/A DISCHARGE CONNECTION FLG 18.000 IN. SUCTION BELL SIZE SUCTION CONNECTION BELL MAX. SPHERE SIZE 1.250 IN. MAX. OPERATIONAL P.S.I. 450 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER DATA				
IMPELLER NUMBER TYPE THRUST FACTOR EYE AREA WEIGHT	3923 ENCLOSED K=21.75 50.3 SQ. IN. 42.00 LB.	TRIM ANGLE: 20° Minimum submergence above eye of bottom impeller: 48 IN.		

EFFICIENCY CORRECTION						
NUMBER OF BOWLS:	1	2	3			
CHANGE AS FOLLOWS:	-2	-1	0			
CHANGE IN EFFICIENCY MAY	Y AFFECT	ГВОТН НЕ	EAD AND	HORSEPO	WER.	

PUMP MATERIAL EFFICIENCY CORRECTION						
	DUCTILE	BRONZE	NI-R	STAINLESS		
IMPELLER MATERIAL:	-2	0	-1	-1		
BOWL MATERIAL:	-2	-1	-2	-2		

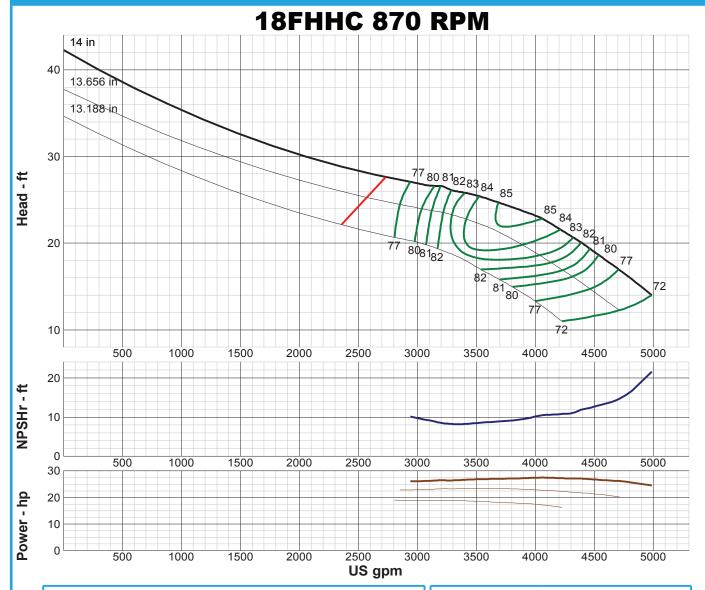
FLANGED BOWL DATA

BOWL NUMBER 3905 **BOWL MAX. DIAMETER** 17.750 IN. **BOWL MIN. DIAMETER** 17.500 IN. MAX. NO. STAGES 10 ONE STAGE WEIGHT 750 LB. ADD STAGE WEIGHT 325 LB. STD. SHAFT DIA. 2.188 IN. STD. LATERAL 0.500 IN. DISCHARGE SIZE N/A DISCHARGE CONNECTION FLG 18.000 IN. SUCTION BELL DIA. SUCTION CONNECTION **BELL** MAX. SPHERE SIZE 1.250 IN. MAX. OPERATIONAL P.S.I. 450 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER	DATA

IMPELLER NUMBER0777TYPEENCLOSEDTHRUST FACTORK=32.00EYE AREA102 SQ. IN.WEIGHT49.00 LB.

TRIM ANGLE: 30°

Minimum submergence above eye of bottom impeller: 48 IN.

EFFICIENCY CORRECTION

NUMBER OF BOWLS:	1	2		
CHANGE AS FOLLOWS:	-0.5	0		

CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTIONDUCTILEBRONZENI-RSTAINLESSIMPELLER MATERIAL:-20-2-2BOWL MATERIAL:-2-1-2-2

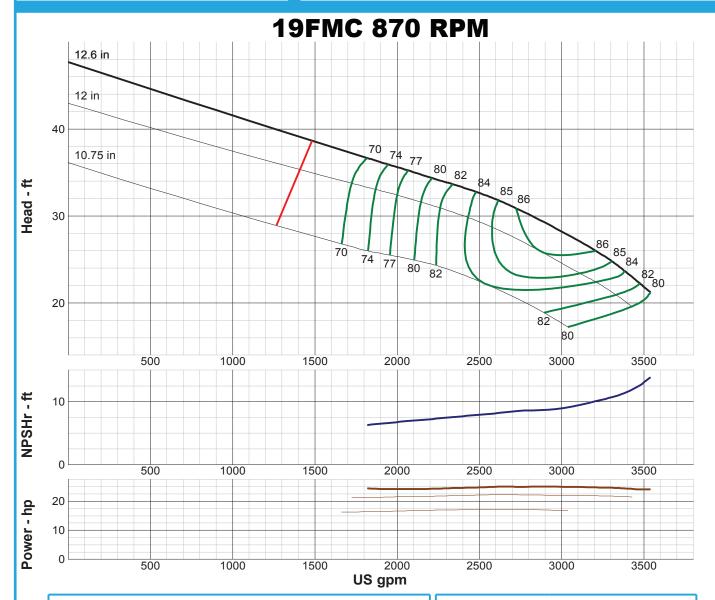
FLANGED BOWL DATA

BOWL NUMBER 0224 **BOWL MAX. DIAMETER** 18.625 IN. **BOWL MIN. DIAMETER** 18.250 IN. MAX. NO. STAGES 10 ONE STAGE WEIGHT LB. ADD STAGE WEIGHT LB. 2.188 IN. STD. SHAFT DIA. STD. LATERAL 0.750 IN. **DISCHARGE SIZE** N/A DISCHARGE CONNECTION FLG SUCTION BELL DIA. 18.813 IN. SUCTION CONNECTION **BELL** MAX. SPHERE SIZE 1.250 IN. MAX. OPERATIONAL P.S.I. 450 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020



	IMPELLE	R DATA
IMPELLER NUMBER	0353	TRIM AN

TYPE ENCLOSED THRUST FACTOR K=32.00 74.5 SQ. IN. **EYE AREA** WEIGHT 54.00 LB.

IGLE: 26°

Minimum submergence above eye of bottom impeller: 42 IN.

EFFICIENCY CORRECTION

NUMBER OF BOWLS: CHANGE AS FOLLOWS: 0 -1

CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTION

DUCTILE BRONZE NI-R STAINLESS						
IMPELLER MATERIAL:	-2	0	-2	-2		
BOWL MATERIAL:	-2	-2	-2	-2		

FLANGED BOWL DATA

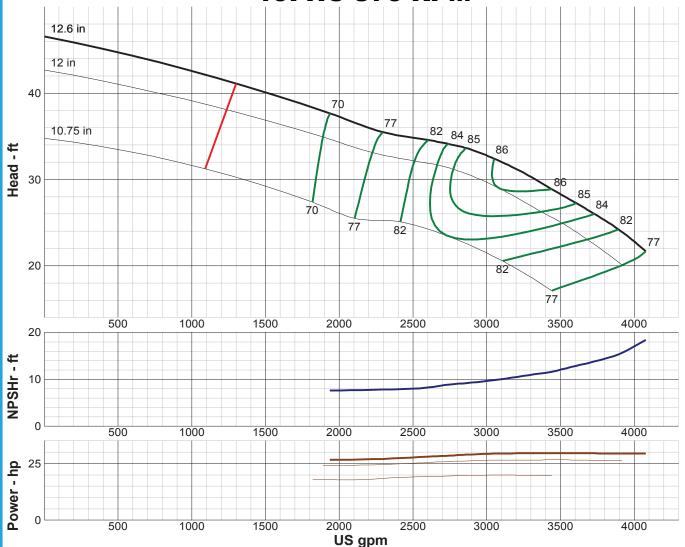
BOWL NUMBER 0358 **BOWL MAX. DIAMETER** 18.625 IN. **BOWL MIN. DIAMETER** 18.625 IN. MAX. NO. STAGES ONE STAGE WEIGHT 770 LB. ADD STAGE WEIGHT 447 LB. STD. SHAFT DIA. 2.188 IN. STD. LATERAL 0.750 IN. **DISCHARGE SIZE** N/A DISCHARGE CONNECTION FLG SUCTION BELL DIA. 21.000 IN. SUCTION CONNECTION **BELL** MAX. SPHERE SIZE 1.000 IN. MAX. OPERATIONAL P.S.I. 350 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020





IMPELLER DATA

IMPELLER NUMBER 0357
TYPE ENCLOSED
THRUST FACTOR K=32.00
EYE AREA 74.5 SQ. IN.
WEIGHT 54.00 LB.

TRIM ANGLE: 26°

Minimum submergence above eye of bottom impeller: 42 IN.

EFFICIENCY CORRECTION

NUMBER OF BOWLS:	1	2			
CHANGE AS FOLLOWS:	-1	0			

CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-2	-2
BOWL MATERIAL:	-2	-2	-2	-2

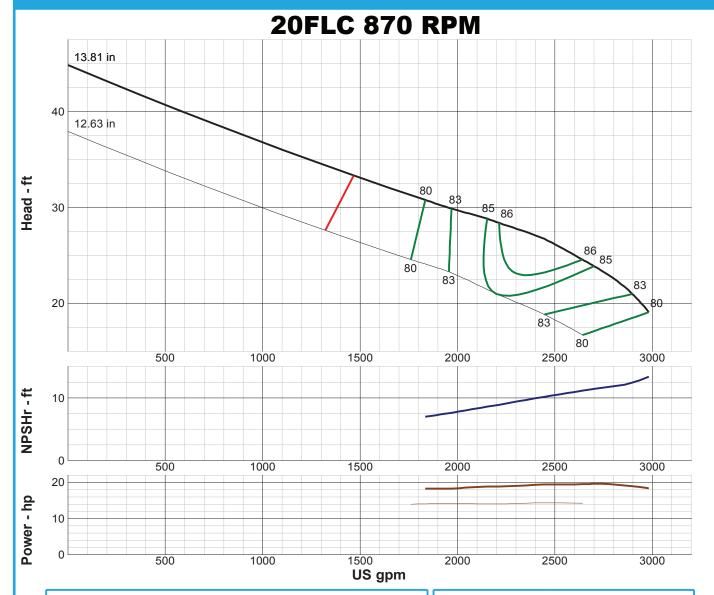
FLANGED BOWL DATA

BOWL NUMBER 0358 **BOWL MAX. DIAMETER** 18.625 IN. **BOWL MIN. DIAMETER** 18.625 IN. MAX. NO. STAGES 10 ONE STAGE WEIGHT 770 LB. ADD STAGE WEIGHT 447 LB. STD. SHAFT DIA. 2.188 IN. STD. LATERAL 0.750 IN. DISCHARGE SIZE N/A DISCHARGE CONNECTION FLG SUCTION BELL DIA. 21.000 IN. SUCTION CONNECTION **BELL** MAX. SPHERE SIZE 1.000 IN. MAX. OPERATIONAL P.S.I. 350 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER	DATA

IMPELLER NUMBER 4838
TYPE ENCLOSED
THRUST FACTOR K=29.40
EYE AREA 72.6 SQ. IN.
WEIGHT 69.00 LB.

TRIM ANGLE: 27°

Minimum submergence above eye of bottom impeller: 33 IN.

EFFICIENCY CORRECTION

NUMBER OF BOWLS:	1	2		
CHANGE AS FOLLOWS:	-2	0		

CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-1	0	-1	-1
BOWL MATERIAL:	-1	-2	-2	-2

FLANGED BOWL DATA

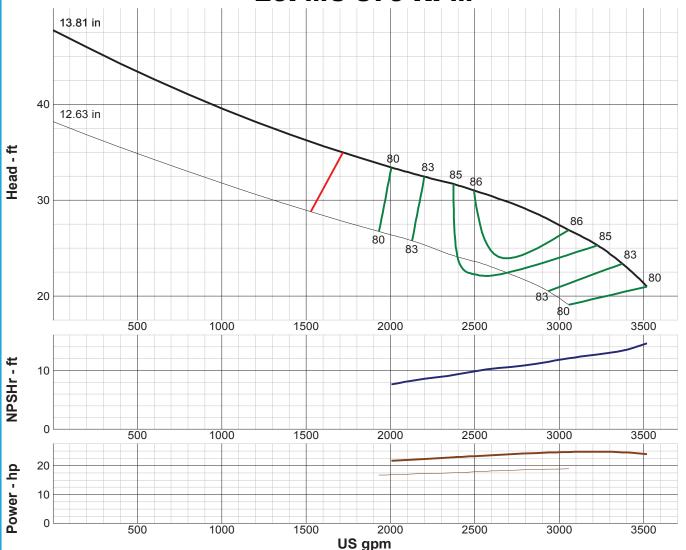
BOWL NUMBER 3969 **BOWL MAX. DIAMETER** 19.875 IN. **BOWL MIN. DIAMETER** 19.250 IN. MAX. NO. STAGES 13 ONE STAGE WEIGHT 790 LB. ADD STAGE WEIGHT 569 LB. 2.438 IN. STD. SHAFT DIA. STD. LATERAL 0.750 IN. **DISCHARGE SIZE** N/A DISCHARGE CONNECTION FLG SUCTION BELL DIA. 20.875 IN. SUCTION CONNECTION **BELL** MAX. SPHERE SIZE 2.000 IN. MAX. OPERATIONAL P.S.I. 350 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020





IMPELLER DATA

IMPELLER NUMBER 4847
TYPE ENCLOSED
THRUST FACTOR K=29.40
EYE AREA 72.6 SQ. IN.
WEIGHT 69.00 LB.

TRIM ANGLE: 27°

Minimum submergence above eye of bottom impeller: 33 IN.

EFFICIENCY CORRECTION

NUMBER OF BOWLS:	1	2		
CHANGE AS FOLLOWS:	-2	0		

CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-1	0	-1	-1
BOWL MATERIAL:	-1	-2	-2	-2

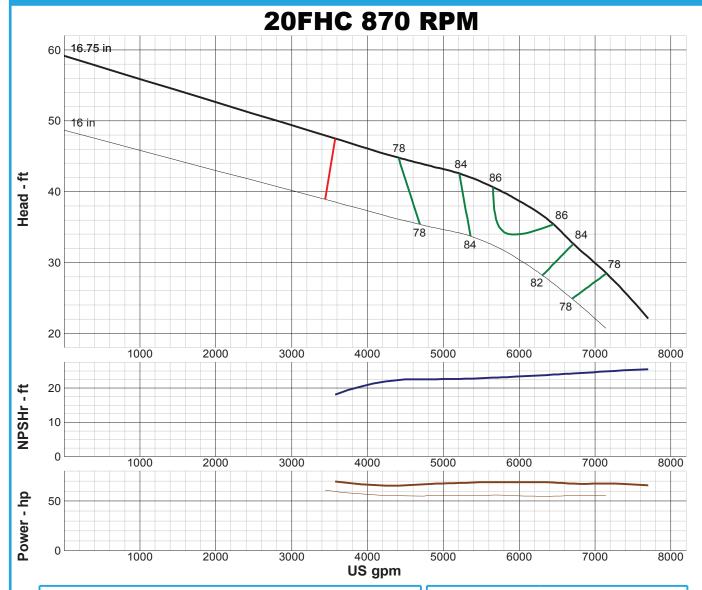
FLANGED BOWL DATA

BOWL NUMBER 3969 **BOWL MAX. DIAMETER** 19.875 IN. **BOWL MIN. DIAMETER** 19.250 IN. MAX. NO. STAGES 10 ONE STAGE WEIGHT 790 LB. ADD STAGE WEIGHT 569 LB. 2.438 IN. STD. SHAFT DIA. STD. LATERAL 0.750 IN. **DISCHARGE SIZE** N/A DISCHARGE CONNECTION FLG SUCTION BELL DIA. 20.875 IN. SUCTION CONNECTION **BELL** MAX. SPHERE SIZE 2.000 IN. MAX. OPERATIONAL P.S.I. 350 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER	DATA
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IMPELLER NUMBER 3987
TYPE ENCLOSED
THRUST FACTOR K=58.0
EYE AREA 113 SQ. IN.
WEIGHT 94.00 LB.

TRIM ANGLE: 27.5°

Minimum submergence above eye of bottom impeller: 32 IN.

EFFIC	IENCY	CORRI	ECTION	1	
NUMBER OF BOWLS:	1	2	3	4	
CHANGE AS FOLLOWS:	-2	-1	0	+1	
CHANGE IN EFFICIENCY MAY	Y AFFECT	BOTH HE	AD AND	HORSEPO	WER.

PUMP MATERIAL EFFICIENCY CORRECTION						
	DUCTILE	BRONZE	NI-R	STAINLESS		
IMPELLER MATERIAL:	-1	0	-1	-1		
BOWL MATERIAL:	-1	-2	-2	-2		

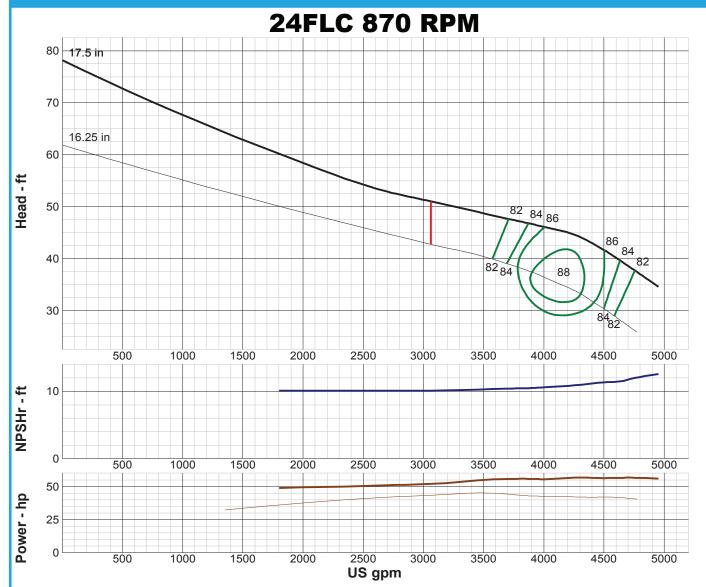
FLANGED BOWL DATA

BOWL NUMBER 3996 **BOWL MAX. DIAMETER** 20.000 IN. **BOWL MIN. DIAMETER** 19.750 IN. MAX. NO. STAGES ONE STAGE WEIGHT 845 LB. ADD STAGE WEIGHT 560 LB. STD. SHAFT DIA. 2.438 IN. STD. LATERAL 0.625 IN. DISCHARGE SIZE N/A DISCHARGE CONNECTION FLG. SUCTION BELL DIA. 23.313 IN. SUCTION CONNECTION **BELL** MAX. SPHERE SIZE 2.000 IN. MAX. OPERATIONAL P.S.I. 350 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER DATA IMPELLER NUMBER 4865 TYPE ENCLOSED THRUST FACTOR K=41.20 EYE AREA 93.0 SQ. IN. WEIGHT 82.00 LB. TRIM ANGLE: 18° Minimum submergence above eye of bottom impeller: 32 IN.

PLIMP MATERIAL EFFICIENCY CORRECTION						
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.						
CHANGE AS FOLLOWS:	-2	-1	0			
NUMBER OF BOWLS:	1	2	3			

PUMP MATERIAL EFFICIENCY CORRECTION					
	DUCTILE	BRONZE	NI-R	STAINLESS	
IMPELLER MATERIAL:	-1	0	-1	-1	
BOWL MATERIAL:	-1	-2	-2	-2	

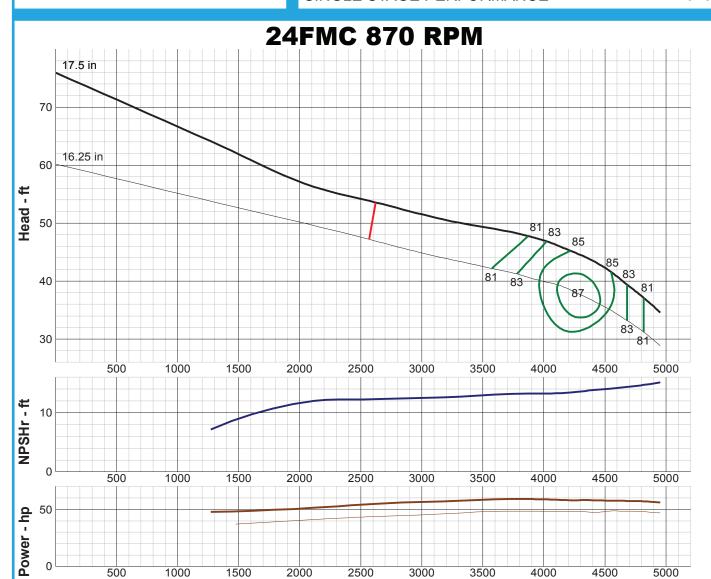
FLANGED BOWL DATA

BOWL NUMBER 5329 **BOWL MAX. DIAMETER** 24.000 IN. **BOWL MIN. DIAMETER** 23.750 IN. MAX. NO. STAGES 1150 LB. ONE STAGE WEIGHT ADD STAGE WEIGHT 850 LB. STD. SHAFT DIA. 2.688 IN. STD. LATERAL 0.938 IN. DISCHARGE SIZE N/A DISCHARGE CONNECTION FLG. SUCTION BELL DIA. 24.750 IN. SUCTION CONNECTION **BELL** MAX. SPHERE SIZE 2.000 IN. MAX. OPERATIONAL P.S.I. 250 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER DATA

IMPELLER NUMBER 4874
TYPE ENCLOSED
THRUST FACTOR K=41.20
EYE AREA 93.0 SQ. IN.
WEIGHT 82.00 LB.

TRIM ANGLE: 18°

Minimum submergence above eye of bottom impeller: 32 IN.

US gpm

EFFICIENCY CORRECTION						
NUMBER OF BOWLS:	1	2	3			
CHANGE AS FOLLOWS: -2 -1 0						
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER						

PUMP MATERIAL EFFICIENCY CORRECTION					
	DUCTILE	BRONZE	NI-R	STAINLESS	
IMPELLER MATERIAL:	-1	0	-1	-1	
BOWL MATERIAL:	-1	-2	-2	-2	

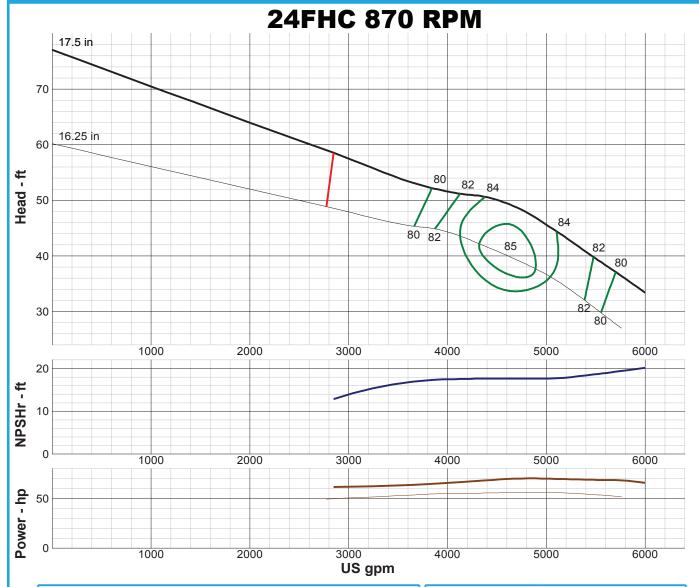
FLANGED BOWL DATA

BOWL NUMBER 5329 **BOWL MAX. DIAMETER** 24.000 IN. 23.750 IN. **BOWL MIN. DIAMETER** MAX. NO. STAGES ONE STAGE WEIGHT 1150 LB. ADD STAGE WEIGHT 850 LB. STD. SHAFT DIA. 2.688 IN. STD. LATERAL 0.938 IN. DISCHARGE SIZE N/A DISCHARGE CONNECTION FLG. SUCTION BELL DIA. 24.750 IN. SUCTION CONNECTION **BELL** MAX. SPHERE SIZE 2.000 IN. MAX. OPERATIONAL P.S.I. 250 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER NUMBER TYPE ENCLOSED THRUST FACTOR EYE AREA WEIGHT 4883 ENCLOSED K=41.20 Minimum submergence above eye of bottom impeller: 32 IN.	IMPELLER DATA						
	TYPE THRUST FACTOR EYE AREA	ENCLOSED K=41.20 93.0 SQ. IN.	Minimum submergence above				

EFFICIENCY CORRECTION						
NUMBER OF BOWLS:	1	2	3			
CHANGE AS FOLLOWS:	-2	-1	0			
CHANGE IN EFFICIENCY MAY	Y AFFECT	BOTH HE	EAD AND	HORSEPO	WER.	

PUMP MATERIAL EFFICIENCY CORRECTION					
	DUCTILE	BRONZE	NI-R	STAINLESS	
IMPELLER MATERIAL:	-1	0	-1	-1	
BOWL MATERIAL:	-1	-2	-2	-2	

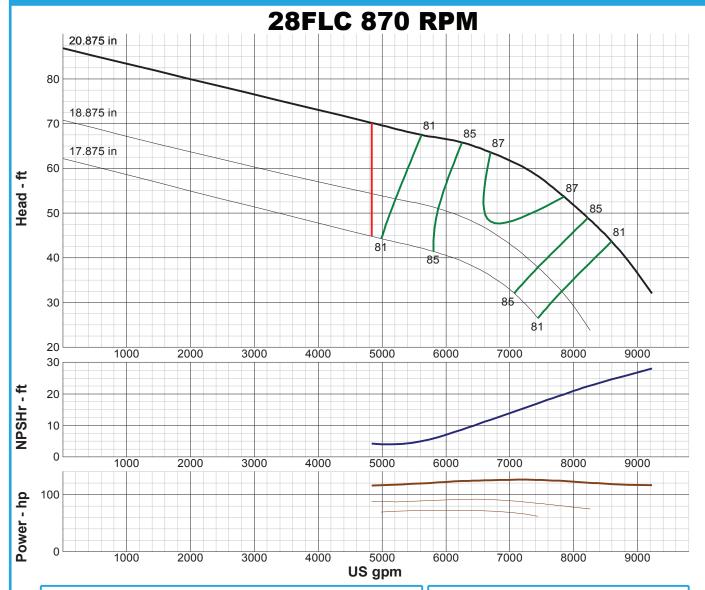
-	ΛМ	GED	w	na	ГЛ

BOWL NUMBER 5329 **BOWL MAX. DIAMETER** 24.000 IN. **BOWL MIN. DIAMETER** 23.750 IN. MAX. NO. STAGES 1150 LB. ONE STAGE WEIGHT ADD STAGE WEIGHT 850 LB. STD. SHAFT DIA. 2.688 IN. 0.938 IN. STD. LATERAL DISCHARGE SIZE N/A DISCHARGE CONNECTION FLG. SUCTION BELL DIA. 24.750 IN. SUCTION CONNECTION **BELL** MAX. SPHERE SIZE 2.000 IN. MAX. OPERATIONAL P.S.I. 250 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020



IMP	ELI	.ER	DA	TA
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IMPELLER NUMBER 4892
TYPE ENCLOSED
THRUST FACTOR K=61.00
EYE AREA 133 SQ. IN.
WEIGHT 255 LB.

TRIM ANGLE: 22.5°

Minimum submergence above eye of bottom impeller: 56 IN.

EFFICIENCY CORRECTION							
NUMBER OF BOWLS:	1	2	3				
CHANGE AS FOLLOWS:	-1	0	+1				
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEDOWER							

PUMP MATERIAL EFFICIENCY CORRECTION							
DUCTILE BRONZE NI-R STAINLESS							
IMPELLER MATERIAL:	-1	0	-1	-1			
BOWL MATERIAL:	-1	-1	-1	-2			

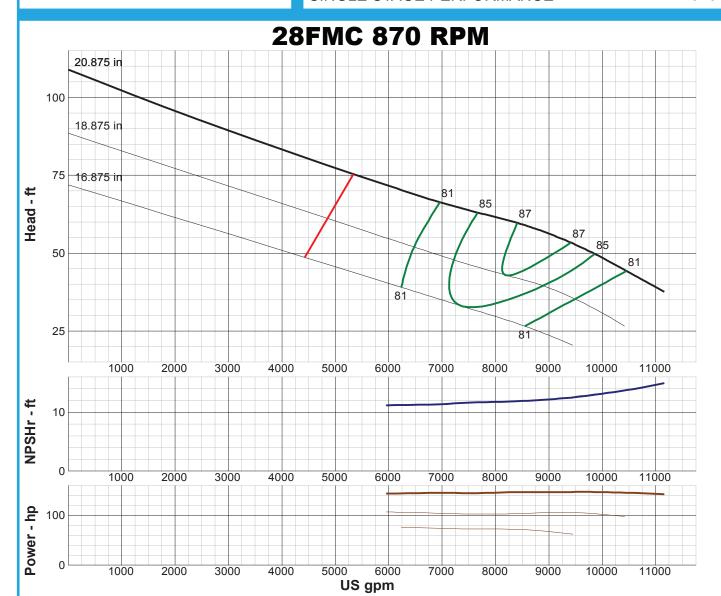
FLANGED BOWL DATA

BOWL NUMBER 5338 **BOWL MAX. DIAMETER** 27.000 IN. **BOWL MIN. DIAMETER** 27.000 IN. MAX. NO. STAGES ONE STAGE WEIGHT 2300 LB. ADD STAGE WEIGHT 920 LB. STD. SHAFT DIA. 2.688 IN. STD. LATERAL 0.875 IN. DISCHARGE SIZE N/A DISCHARGE CONNECTION FLG. SUCTION BELL DIA. 30.750 IN. SUCTION CONNECTION **BELL** MAX. SPHERE SIZE 1.750 IN. MAX. OPERATIONAL P.S.I. 250 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER DATA IMPELLER NUMBER TRIM ANGLE: 22.5° 4901 **TYPE ENCLOSED** Minimum submergence above THRUST FACTOR K=61.00 eye of bottom impeller: 60 IN. **EYE AREA** 133 SQ. IN. WEIGHT 255 LB. **EFFICIENCY CORRECTION** NUMBER OF BOWLS: 2 3

CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.						
PUMP MATERIAL EFFICIENCY CORRECTION						
	DUCTILE	BRONZE	NI-R	STAINLESS		
IMPELLER MATERIAL:	-1	0	-1	-1		

-1

0

-1

CHANGE AS FOLLOWS:

BOWL MATERIAL:

FLANGED BOWL DATA

BOWL NUMBER 5338 BOWL MAX. DIAMETER 27.000 IN. **BOWL MIN. DIAMETER** 27.000 IN. MAX. NO. STAGES 2300 LB. ONE STAGE WEIGHT 920 LB. ADD STAGE WEIGHT STD. SHAFT DIA. 2.688 IN. STD. LATERAL 0.875 IN. DISCHARGE SIZE N/A DISCHARGE CONNECTION FLG. SUCTION BELL DIA. 30.750 IN. SUCTION CONNECTION **BELL** MAX. SPHERE SIZE 1.750 IN. MAX. OPERATIONAL P.S.I. 250 (SPECIAL)

Performance based on pumping clear, fresh water at a temperature not over 85° F., free of gas, air or abrasives and with bowls properly adjusted and submerged. Performance curve reflects Hydraulic Institute tolerances and guidelines.

-1

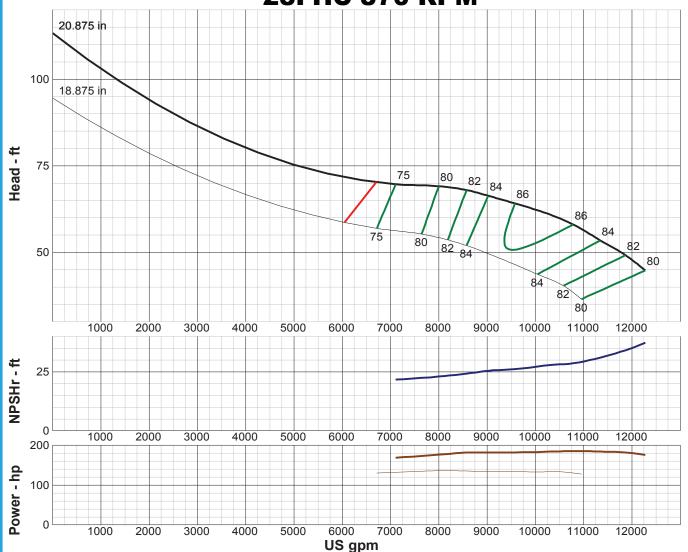
-2



SINGLE STAGE PERFORMANCE

APRIL 2020





IMPELLER DATA

IMPELLER NUMBER 0104
TYPE ENCLOSED
THRUST FACTOR K=61.00
EYE AREA 133 SQ. IN.
WEIGHT 255 LB.

TRIM ANGLE: 22.5°

Minimum submergence above eye of bottom impeller: 62 IN.

EFFICIENCY CORRECTION

NUMBER OF BOWLS:	1	2	3	
CHANGE AS FOLLOWS:	-1	0	+1	

CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-1	0	-1	-1
BOWL MATERIAL:	-1	-1	-1	-2

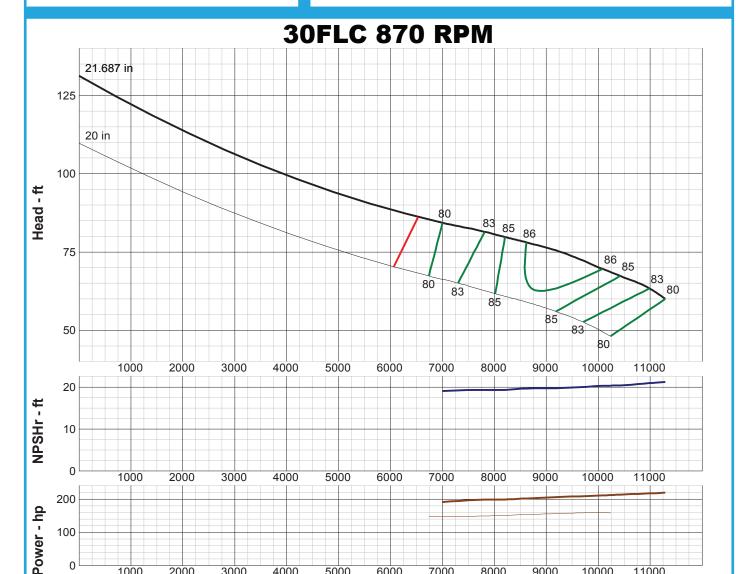
FLANGED BOWL DATA

BOWL NUMBER 5338 **BOWL MAX. DIAMETER** 27.000 IN. 27.000 IN. **BOWL MIN. DIAMETER** MAX. NO. STAGES ONE STAGE WEIGHT 2300 LB. ADD STAGE WEIGHT 920 LB. STD. SHAFT DIA. 2.688 IN. STD. LATERAL 0.875 IN. DISCHARGE SIZE N/A DISCHARGE CONNECTION FLG. SUCTION BELL DIA. 30.750 IN. SUCTION CONNECTION **BELL** MAX. SPHERE SIZE 1.750 IN. MAX. OPERATIONAL P.S.I. 250 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER DATA							
IMPELLER NUMBER TYPE THRUST FACTOR EYE AREA WEIGHT	0192 ENCLOSED K=67.50 175 SQ. IN. 440 LB.	TRIM ANGLE: 27.5° Minimum submergence above eye of bottom impeller: 60 IN.					

3000

4000

5000

6000

US gpm

7000

8000

2000

1000

EFFICIENCY CORRECTION						
NUMBER OF BOWLS:	1	2	3			
CHANGE AS FOLLOWS:	-2	0	+1			
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.						

PUMP MATERIAL EFFICIENCY CORRECTION						
DUCTILE BRONZE NI-R STAINLESS						
IMPELLER MATERIAL:	-1	0	-1	-1		
BOWL MATERIAL:	-1	-1	-1	-2		

FLANGED BOWL DATA

10000

11000

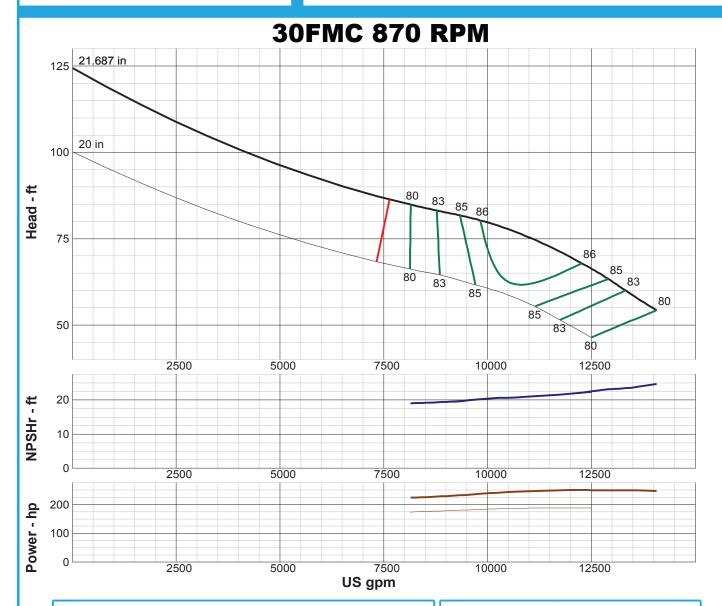
9000

BOWL NUMBER 0235 **BOWL MAX. DIAMETER** 30.000 IN. **BOWL MIN. DIAMETER** 30.000 IN. MAX. NO. STAGES 4500 LB. ONE STAGE WEIGHT ADD STAGE WEIGHT 2000 LB. STD. SHAFT DIA. 3.250 IN. 1.375 IN. STD. LATERAL DISCHARGE SIZE N/A DISCHARGE CONNECTION FLG. SUCTION BELL DIA. 33.250 IN. SUCTION CONNECTION **BELL** MAX. SPHERE SIZE 2.500 IN. 250 (SPECIAL) MAX. OPERATIONAL P.S.I.



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER DATA

IMPELLER NUMBER 0193
TYPE ENCLOSED
THRUST FACTOR K=67.50
EYE AREA 175 SQ. IN.
WEIGHT 440 LB.

TRIM ANGLE: 27.5°

Minimum submergence above eye of bottom impeller: 50 IN.

NUMBER OF BOWLS: 1 2 CHANGE AS FOLLOWS: -2 0

CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTION						
DUCTILE BRONZE NI-R STAINLESS						
IMPELLER MATERIAL:	-1	0	-1	-1		
BOWL MATERIAL:	-1	-1	-1	-2		

FLANGED BOWL DATA

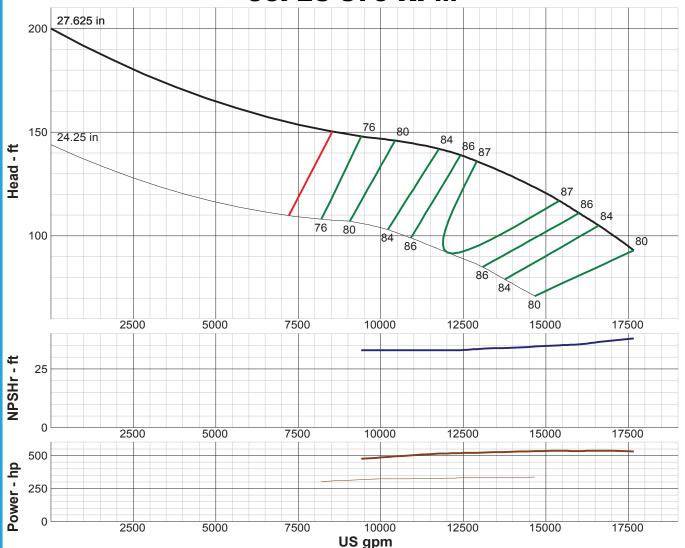
BOWL NUMBER 0235 **BOWL MAX. DIAMETER** 30.000 IN. **BOWL MIN. DIAMETER** 30.000 IN. MAX. NO. STAGES 5 ONE STAGE WEIGHT 4500 LB. ADD STAGE WEIGHT 2000 LB. STD. SHAFT DIA. 3.250 IN. STD. LATERAL 1.375 IN. DISCHARGE SIZE N/A DISCHARGE CONNECTION BELL 33.250 IN. SUCTION BELL DIA. SUCTION CONNECTION BELL MAX. SPHERE SIZE 2.500 IN. MAX. OPERATIONAL P.S.I. 250 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020





IMPELLER DATA

IMPELLER NUMBER1927TYPEENCLOSEDTHRUST FACTORK=94.50EYE AREA215 SQ. IN.WEIGHT440 LB.

TRIM ANGLE: 20°

Minimum submergence above eye of bottom impeller: 65 IN.

EFFICIENCY CORRECTION

NUMBER OF BOWLS:	1	2	3		
CHANGE AS FOLLOWS:	-2	-1	0		

CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-1	0	-1	-1
BOWL MATERIAL:	-1	-1	-1	-2

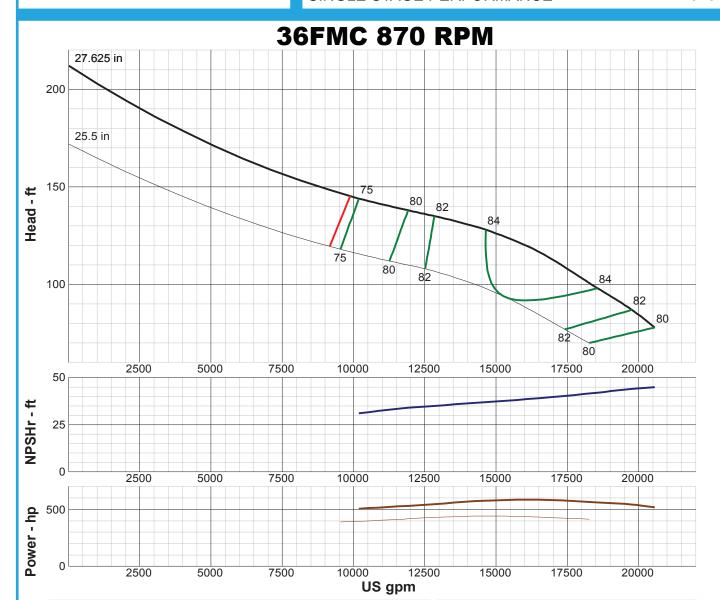
FLANGED BOWL DATA

BOWL NUMBER BOWL MAX. DIAMETER 36.000 IN. **BOWL MIN. DIAMETER** 36.000 IN. MAX. NO. STAGES 4500 LB. ONE STAGE WEIGHT 2000 LB. ADD STAGE WEIGHT STD. SHAFT DIA. 3.250 IN. 1.250 IN. STD. LATERAL DISCHARGE SIZE N/A DISCHARGE CONNECTION FLG. SUCTION BELL DIA. 42.000 IN. SUCTION CONNECTION **BELL** MAX. SPHERE SIZE 2.500 IN. MAX. OPERATIONAL P.S.I. 200 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER DATA IMPELLER NUMBER TYPE ENCLOSED THRUST FACTOR EYE AREA WEIGHT EFFICIENCY CORRECTION IMPELLER DATA TRIM ANGLE: 20' Minimum submergence above eye of bottom impeller: 65 IN.

NUMBER OF BOWLS:	1	2	3			
CHANGE AS FOLLOWS:	-2	-1	0			
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.						
DIIMD MATERIAL EFFICIENCY CORRECTION						

PUMP MATERIAL EFFICIENCY CORRECTION					
	DUCTILE	BRONZE	NI-R	STAINLESS	
IMPELLER MATERIAL:	-1	0	-1	-1	
BOWL MATERIAL:	-1	-1	-1	-2	

FLANGED BOWL DATA

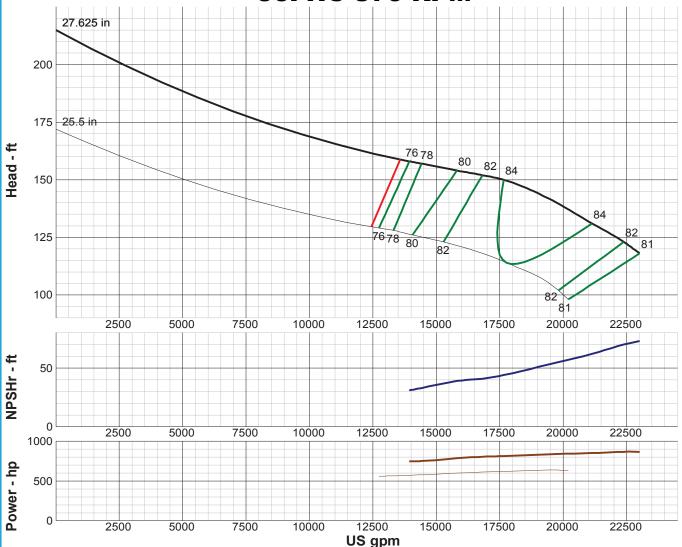
BOWL NUMBER 1909 **BOWL MAX. DIAMETER** 36.000 IN. **BOWL MIN. DIAMETER** 36.000 IN. MAX. NO. STAGES ONE STAGE WEIGHT 4500 LB. ADD STAGE WEIGHT 2000 LB. 3.250 IN. STD. SHAFT DIA. STD. LATERAL 1.250 IN. **DISCHARGE SIZE** N/A DISCHARGE CONNECTION FLG. SUCTION BELL DIA. 42.000 IN. SUCTION CONNECTION **BELL** MAX. SPHERE SIZE 2.500 IN. MAX. OPERATIONAL P.S.I. 200 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020





IMPELLER DATA

IMPELLER NUMBER
TYPE
THRUST FACTOR
EYE AREA
WEIGHT

1945
ENCLOSED
K=94.50
EYE AREA
215 SQ. IN.
440 LB.

TRIM ANGLE: 20°

Minimum submergence above eye of bottom impeller: 65 IN.

EFFICIENCY CORRECTION R OF ROW S: 1 2 3

NUMBER OF BOWLS:	1	2	3	
CHANGE AS FOLLOWS:	-2	-1	0	

CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-1	0	-1	-1
BOWL MATERIAL:	-1	-1	-1	-2

FLANGED BOWL DATA

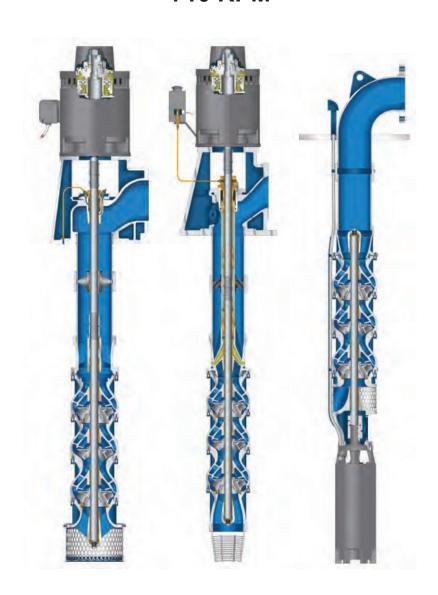
BOWL NUMBER 1909 **BOWL MAX. DIAMETER** 36.000 IN. **BOWL MIN. DIAMETER** 36.000 IN. MAX. NO. STAGES 4500 LB. ONE STAGE WEIGHT ADD STAGE WEIGHT 2000 LB. STD. SHAFT DIA. 3.250 IN. STD. LATERAL 1.250 IN. DISCHARGE SIZE N/A DISCHARGE CONNECTION FLG. 42.000 IN. SUCTION BELL DIA. SUCTION CONNECTION **BELL** MAX. SPHERE SIZE 2.500 IN. MAX. OPERATIONAL P.S.I. 200 (SPECIAL)



PERFORMANCE CURVES

LINESHAFT & SUBMERSIBLE

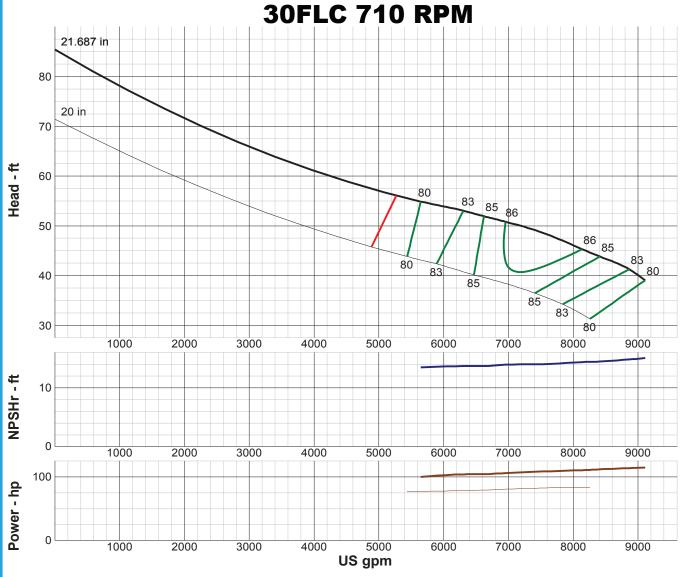
710 RPM





SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER DATA						
IMPELLER NUMBER TYPE THRUST FACTOR EYE AREA WEIGHT	0192 ENCLOSED K=67.50 175 SQ. IN. 440 LB.	TRIM ANGLE: 27.5° Minimum submergence above eye of bottom impeller: 60 IN.				
	FIGIENIAY A	ODDECTION				

EFFICIENCY CORRECTION							
NUMBER OF BOWLS:	1	2	3				
CHANGE AS FOLLOWS:	-2	0	+1				
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.							

PUMP MATERIAL EFFICIENCY CORRECTION					
	DUCTILE BRONZE NI-R STAINLESS				
IMPELLER MATERIAL:	-1	0	-1	-1	
BOWL MATERIAL:	-1	-1	-1	-2	

FLANGED BOWL DATA

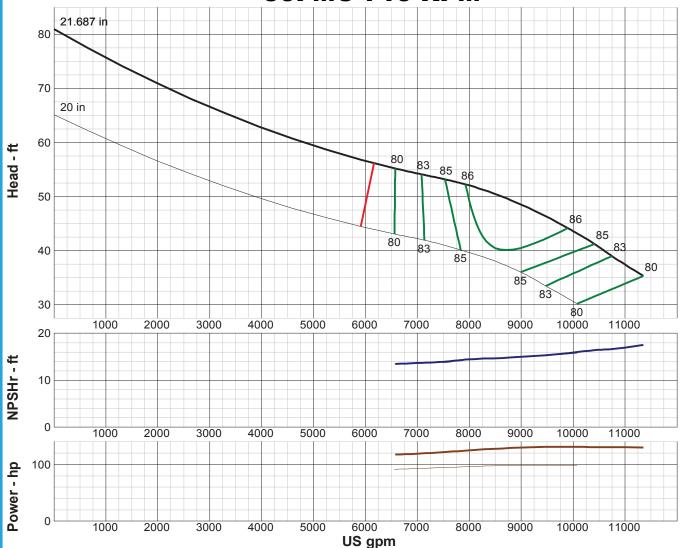
BOWL NUMBER 0235 **BOWL MAX. DIAMETER** 30.000 IN. **BOWL MIN. DIAMETER** 30.000 IN. MAX. NO. STAGES ONE STAGE WEIGHT 4500 LB. ADD STAGE WEIGHT 2000 LB. STD. SHAFT DIA. 3.250 IN. STD. LATERAL 1.375 IN. **DISCHARGE SIZE** N/A DISCHARGE CONNECTION FLG. SUCTION BELL DIA. 33.250 IN. SUCTION CONNECTION **BELL** MAX. SPHERE SIZE 2.500 IN. MAX. OPERATIONAL P.S.I. 250 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020





IMPELLER DATA

IMPELLER NUMBER 0193
TYPE ENCLOSED
THRUST FACTOR K=67.50
EYE AREA 175 SQ. IN.
WEIGHT 440 LB.

TRIM ANGLE: 27.5°

Minimum submergence above eye of bottom impeller: 50 IN.

NUMBER OF BOWLS: 1 2 CHANGE AS FOLLOWS: -2 0

CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTION					
	DUCTILE	BRONZE	NI-R	STAINLESS	
IMPELLER MATERIAL:	-1	0	-1	-1	
BOWL MATERIAL:	-1	-1	-1	-2	

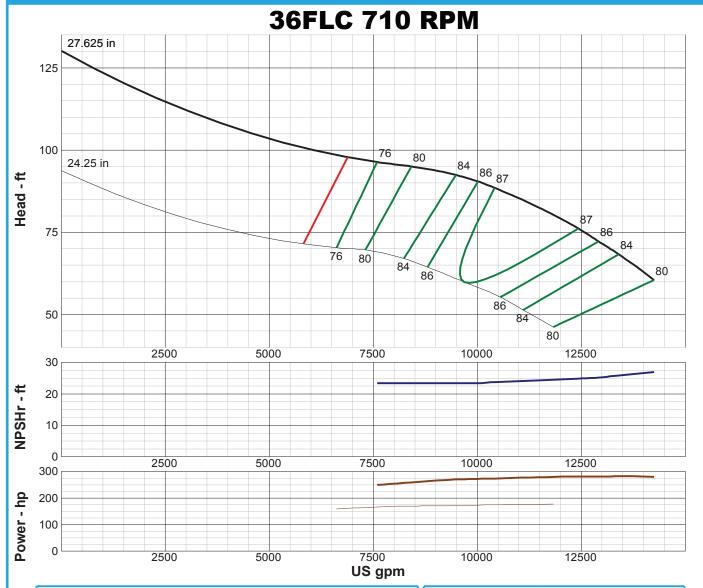
FLANGED BOWL DATA

BOWL NUMBER BOWL MAX. DIAMETER 30.000 IN. BOWL MIN. DIAMETER 30.000 IN. MAX. NO. STAGES ONE STAGE WEIGHT 4500 LB. 2000 LB. ADD STAGE WEIGHT STD. SHAFT DIA. 3.250 IN. STD. LATERAL 1.375 IN. DISCHARGE SIZE N/A DISCHARGE CONNECTION BELL SUCTION BELL DIA. 33.250 IN. SUCTION CONNECTION BELL MAX. SPHERE SIZE 2.500 IN. MAX. OPERATIONAL P.S.I. 250 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER DATA						
IMPELLER NUMBER TYPE THRUST FACTOR EYE AREA WEIGHT	1927 ENCLOSED K=94.50 215 SQ. IN. 440 LB.	TRIM ANGLE: 20° Minimum submergence above eye of bottom impeller: 65 IN.				

EFFICIENCY CORRECTION						
NUMBER OF BOWLS:	1	2	3			
CHANGE AS FOLLOWS:	-2	-1	0			
CHANGE IN EFFICIENCY MAY	Y AFFECT	BOTH H	EAD AND	HORSEPO	WER.	

PUMP MATERIAL EFFICIENCY CORRECTION					
	DUCTILE	BRONZE	NI-R	STAINLESS	
IMPELLER MATERIAL:	-1	0	-1	-1	
BOWL MATERIAL:	-1	-1	-1	-2	

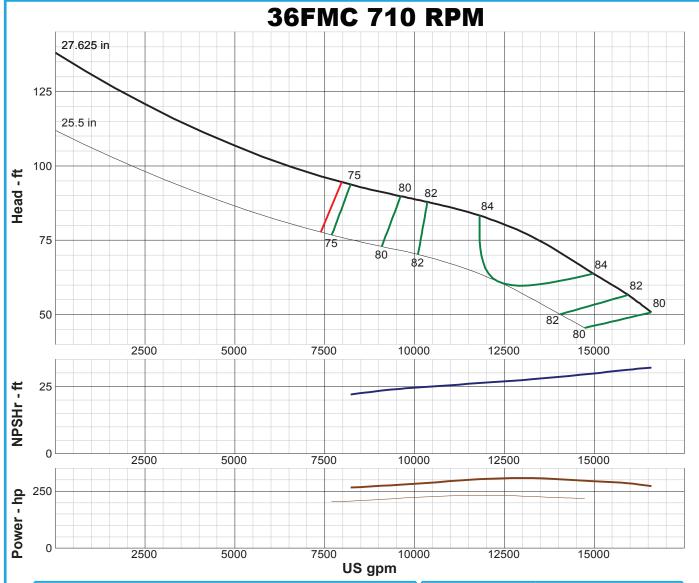
FLANGED BOWL DATA

BOWL NUMBER 1909 **BOWL MAX. DIAMETER** 36.000 IN. BOWL MIN. DIAMETER 36.000 IN. MAX. NO. STAGES 4500 LB. ONE STAGE WEIGHT ADD STAGE WEIGHT 2000 LB. STD. SHAFT DIA. 3.250 IN. STD. LATERAL 1.250 IN. DISCHARGE SIZE N/A DISCHARGE CONNECTION FLG. SUCTION BELL DIA. 42.000 IN. SUCTION CONNECTION **BELL** MAX. SPHERE SIZE 2.500 IN. 200 (SPECIAL) MAX. OPERATIONAL P.S.I.



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER DATA					
IMPELLER NUMBER TYPE THRUST FACTOR EYE AREA WEIGHT	1936 ENCLOSED K=94.50 215 SQ. IN. 440 LB.	TRIM ANGLE: 20° Minimum submergence above eye of bottom impeller: 65 IN.			

EFFICIENCY CORRECTION					
NUMBER OF BOWLS:	1	2	3		
CHANGE AS FOLLOWS:	-2	-1	0		
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.					

PUMP MATERIAL EFFICIENCY CORRECTION						
	DUCTILE	BRONZE	NI-R	STAINLESS		
IMPELLER MATERIAL:	-1	0	-1	-1		
BOWL MATERIAL:	-1	-1	-1	-2		

FLA	NGED	BOWL	DATA

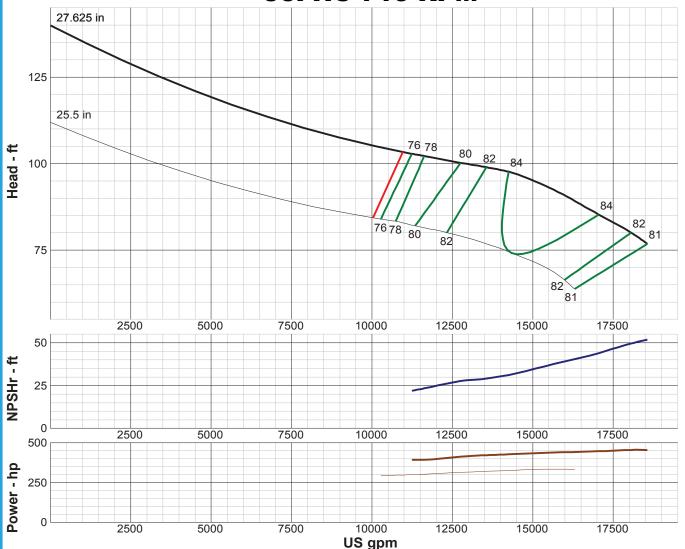
BOWL NUMBER 1909 **BOWL MAX. DIAMETER** 36.000 IN. 36.000 IN. **BOWL MIN. DIAMETER** MAX. NO. STAGES ONE STAGE WEIGHT 4500 LB. ADD STAGE WEIGHT 2000 LB. STD. SHAFT DIA. 3.250 IN. STD. LATERAL 1.250 IN. DISCHARGE SIZE N/A DISCHARGE CONNECTION FLG. SUCTION BELL DIA. 42.000 IN. SUCTION CONNECTION **BELL** MAX. SPHERE SIZE 2.500 IN. MAX. OPERATIONAL P.S.I. 200 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020





IMPELLER DATA

IMPELLER NUMBER1945TYPEENCLOSEDTHRUST FACTORK=94.50EYE AREA215 SQ. IN.WEIGHT440 LB.

TRIM ANGLE: 20°

Minimum submergence above eye of bottom impeller: 65 IN.

EFFICIENCY CORRECTION

NUMBER OF BOWLS:	1	2	3		
CHANGE AS FOLLOWS:	-2	-1	0		

CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-1	0	-1	-1
BOWL MATERIAL:	-1	-1	-1	-2

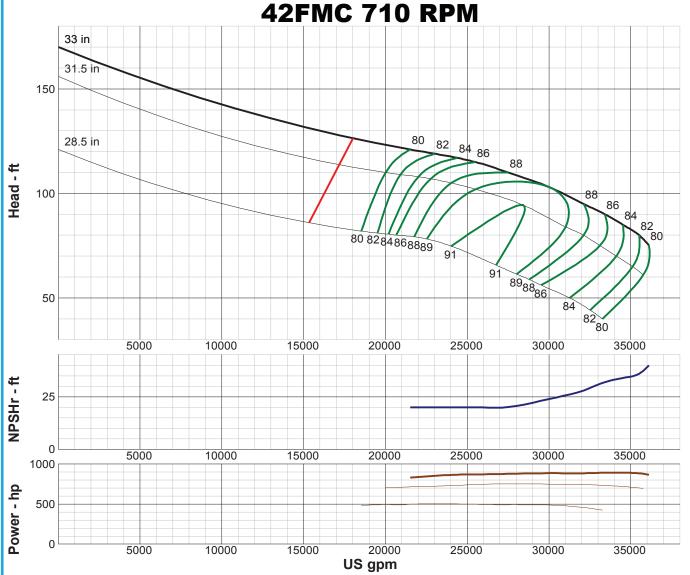
FLANGED BOWL DATA

BOWL NUMBER BOWL MAX. DIAMETER 36.000 IN. **BOWL MIN. DIAMETER** 36.000 IN. MAX. NO. STAGES 4500 LB. ONE STAGE WEIGHT 2000 LB. ADD STAGE WEIGHT STD. SHAFT DIA. 3.250 IN. 1.250 IN. STD. LATERAL DISCHARGE SIZE N/A DISCHARGE CONNECTION FLG. SUCTION BELL DIA. 42.000 IN. SUCTION CONNECTION **BELL** MAX. SPHERE SIZE 2.500 IN. MAX. OPERATIONAL P.S.I. 200 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER DATA					
IMPELLER NUMBER TYPE THRUST FACTOR EYE AREA WEIGHT	0244 ENCLOSED K=150.00 390 SQ. IN. 875 LB.	TRIM ANGLE: 25° Minimum submergence above eye of bottom impeller: 90 IN.			
EFFICIENCY CORRECTION					

EFFICIENCY CORRECTION					
NUMBER OF BOWLS:	1	2			
CHANGE AS FOLLOWS:	-1	0			
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER					

PUMP MATERIAL EFFICIENCY CORRECTION							
	DUCTILE	BRONZE	NI-R	STAINLESS			
IMPELLER MATERIAL:	-1	0	-1	-1			
BOWL MATERIAL:	-1	-1	-1	-2			

FLANGED BOWL DATA

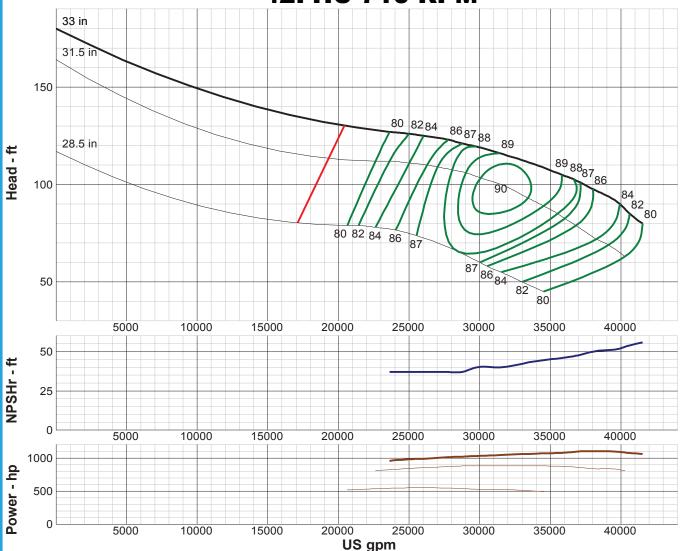
BOWL NUMBER BOWL MAX. DIAMETER 42.500 IN. BOWL MIN. DIAMETER 42.500 IN. MAX. NO. STAGES ONE STAGE WEIGHT 5250 LB. ADD STAGE WEIGHT 3550 LB. STD. SHAFT DIA. 4.000 IN. STD. LATERAL 1.125 IN. DISCHARGE SIZE N/A DISCHARGE CONNECTION FLG. 48.000 IN. SUCTION BELL DIA. SUCTION CONNECTION BELL MAX. SPHERE SIZE 3.500 IN. MAX. OPERATIONAL P.S.I. 200 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020





IMP	ELL	.ER	DA	TA
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IMPELLER NUMBER 0245
TYPE ENCLOSED
THRUST FACTOR K=150.00
EYE AREA 390 SQ. IN.
WEIGHT 875 LB.

TRIM ANGLE: 25°

Minimum submergence above eye of bottom impeller: 90 IN.

EFFICIENCY CORRECTION

NUMBER OF BOWLS:	1	2		
CHANGE AS FOLLOWS:	-1	0		

CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-1	0	-1	-1
BOWL MATERIAL:	-1	-1	-1	-2

FLANGED BOWL DATA

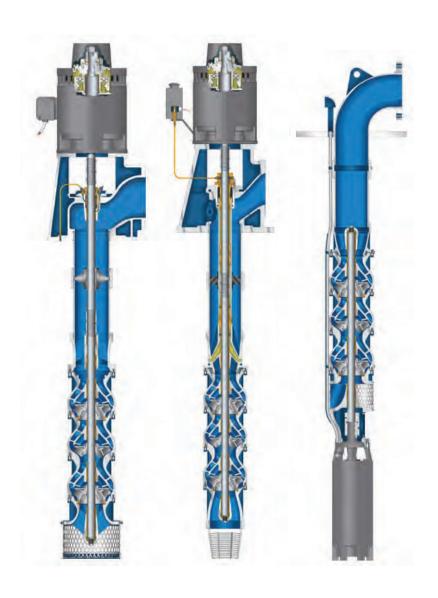
BOWL NUMBER 0242 **BOWL MAX. DIAMETER** 42.500 IN. **BOWL MIN. DIAMETER** 42.500 IN. MAX. NO. STAGES ONE STAGE WEIGHT 5250 LB. ADD STAGE WEIGHT 3550 LB. STD. SHAFT DIA. 4.000 IN. STD. LATERAL 1.125 IN. DISCHARGE SIZE N/A DISCHARGE CONNECTION FLG. 48.000 IN. SUCTION BELL DIA. SUCTION CONNECTION BFII MAX. SPHERE SIZE 3.500 IN. MAX. OPERATIONAL P.S.I. 200 (SPECIAL)



PERFORMANCE CURVES

LINESHAFT & SUBMERSIBLE

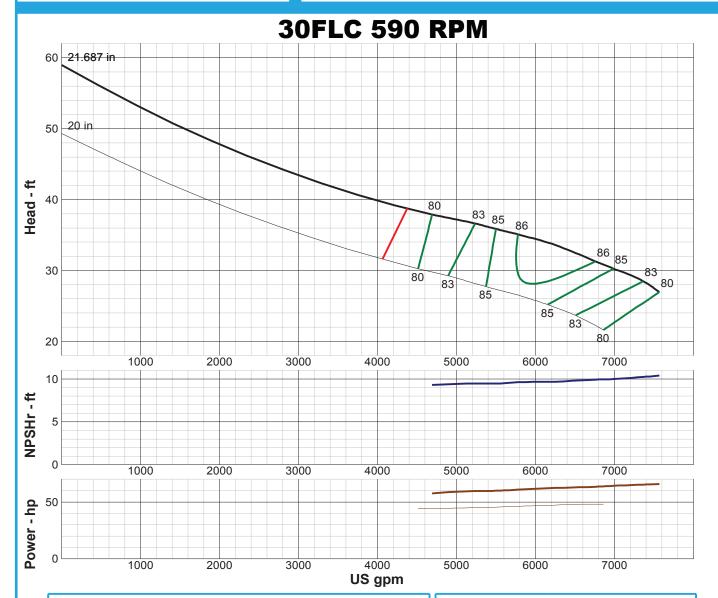
590 RPM





SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER	DATA

IMPELLER NUMBER 0192
TYPE ENCLOSED
THRUST FACTOR K=67.50
EYE AREA 175 SQ. IN.
WEIGHT 440 LB.

TRIM ANGLE: 27.5°

Minimum submergence above eye of bottom impeller: 60 IN.

EFFICIENCY CORRECTION					
NUMBER OF BOWLS:	1	2	3		
CHANGE AS FOLLOWS:	-2	0	+1		
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.					

PUMP MATERIAL EFFICIENCY CORRECTION				
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-1	0	-1	-1
BOWL MATERIAL:	-1	-1	-1	-2

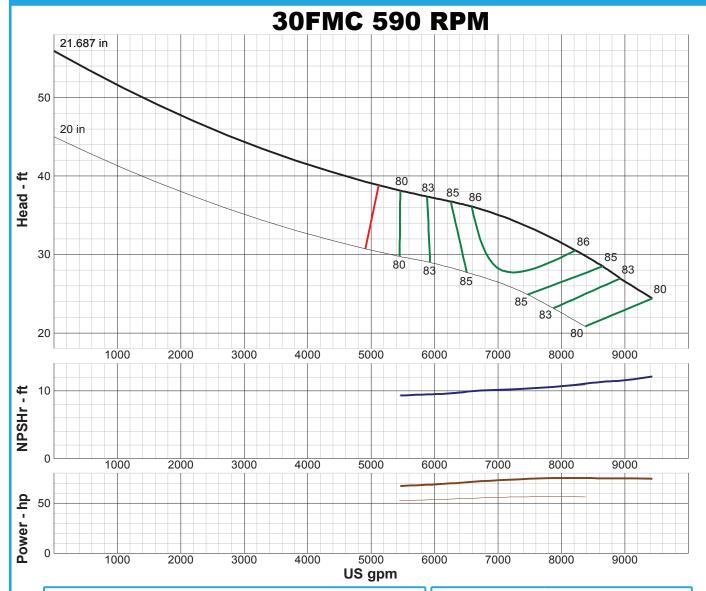
FLANGED BOWL DATA

BOWL NUMBER 0235 **BOWL MAX. DIAMETER** 30.000 IN. 30.000 IN. **BOWL MIN. DIAMETER** MAX. NO. STAGES ONE STAGE WEIGHT 4500 LB. ADD STAGE WEIGHT 2000 LB. STD. SHAFT DIA. 3.250 IN. STD. LATERAL 1.375 IN. **DISCHARGE SIZE** N/A DISCHARGE CONNECTION FLG. SUCTION BELL DIA. 33.250 IN. SUCTION CONNECTION **BELL** MAX. SPHERE SIZE 2.500 IN. MAX. OPERATIONAL P.S.I. 250 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020



	IMPELLER DATA			
IMPELLER NUMBER	0193	TRIM AI		

TYPE ENCLOSED
THRUST FACTOR K=67.50
EYE AREA 175 SQ. IN.
WEIGHT 440 LB.

TRIM ANGLE: 27.5°

Minimum submergence above eye of bottom impeller: 50 IN.

NUMBER OF BOWLS: 1 2

CHANGE AS FOLLOWS: -2 0 CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTION				
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-1	0	-1	-1
BOWL MATERIAL:	-1	-1	-1	-2

FLANGED BOWL DATA

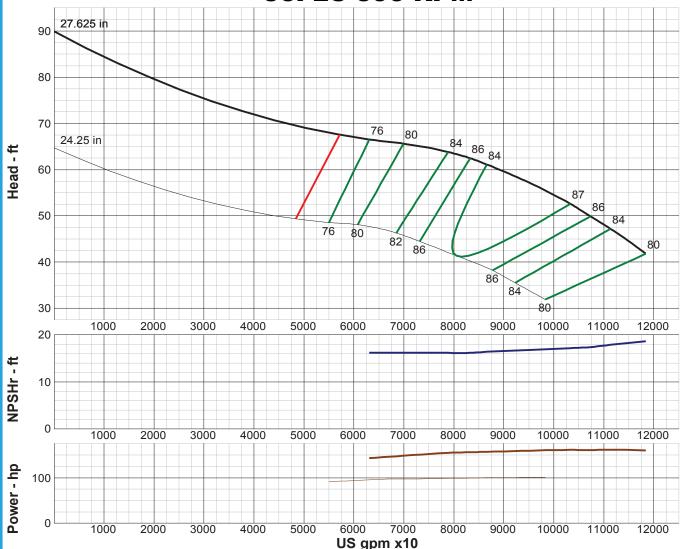
BOWL NUMBER 0235 **BOWL MAX. DIAMETER** 30.000 IN. **BOWL MIN. DIAMETER** 30.000 IN. MAX. NO. STAGES 4500 LB. ONE STAGE WEIGHT 2000 LB. ADD STAGE WEIGHT STD. SHAFT DIA. 3.250 IN. 1.375 IN. STD. LATERAL **DISCHARGE SIZE** N/A DISCHARGE CONNECTION BELL SUCTION BELL DIA. 33.250 IN. SUCTION CONNECTION **BELL** MAX. SPHERE SIZE 2.500 IN. MAX. OPERATIONAL P.S.I. 250 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020





IMPELLER DATA

IMPELLER NUMBER 1927
TYPE ENCLOSED
THRUST FACTOR K=94.50
EYE AREA 215 SQ. IN.
WEIGHT 440 LB.

TRIM ANGLE: 20°

Minimum submergence above eye of bottom impeller: 65 IN.

EFFICIENCY CORRECTION

NUMBER OF BOWLS:	1	2	3	
CHANGE AS FOLLOWS:	-2	-1	0	

CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-1	0	-1	-1
BOWL MATERIAL:	-1	-1	-1	-2

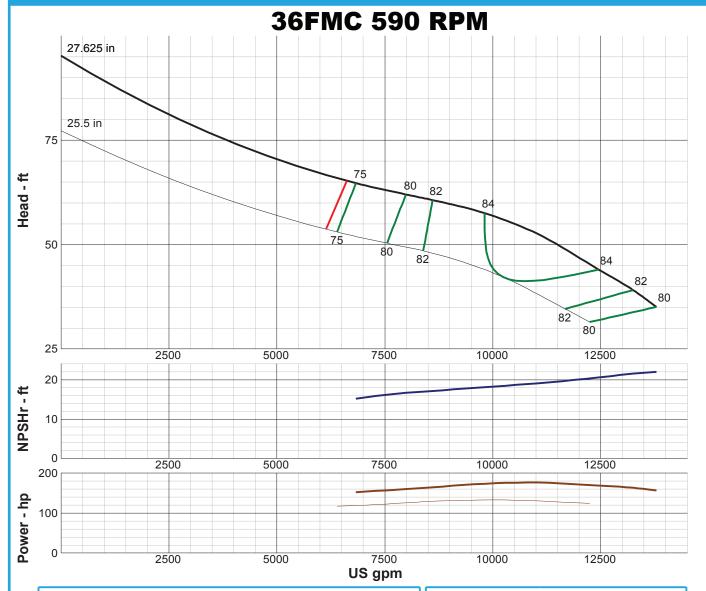
FLANGED BOWL DATA

BOWL NUMBER BOWL MAX. DIAMETER 36.000 IN. 36.000 IN. **BOWL MIN. DIAMETER** MAX. NO. STAGES 4500 LB. ONE STAGE WEIGHT 2000 LB. ADD STAGE WEIGHT STD. SHAFT DIA. 3.250 IN. STD. LATERAL 1.250 IN. DISCHARGE SIZE N/A DISCHARGE CONNECTION FLG. SUCTION BELL DIA. 42.000 IN. SUCTION CONNECTION **BELL** 2.500 IN. MAX. SPHERE SIZE 200 (SPECIAL) MAX. OPERATIONAL P.S.I.



SINGLE STAGE PERFORMANCE

APRIL 2020



	IMPELLI	IMPELLER DATA				
IMPELLER NUMBER	1936	TRIM ANGLE: 20°				

THRUST FACTOR K=94.50 EYE AREA 215 SQ. IN. WEIGHT 440 LB.

TYPE

Minimum submergence above eye of bottom impeller: 65 IN.

REFFICIENCY CORRECTION NUMBER OF BOWLS: 1 2 3 CHANGE AS FOLLOWS: -2 -1 0 CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

ENCLOSED

PUMP MATERIAL EFFICIENCY CORRECTION					
	DUCTILE BRONZE NI-R STAINLESS				
IMPELLER MATERIAL:	-1	0	-1	-1	
BOWL MATERIAL:	-1	-1	-1	-2	

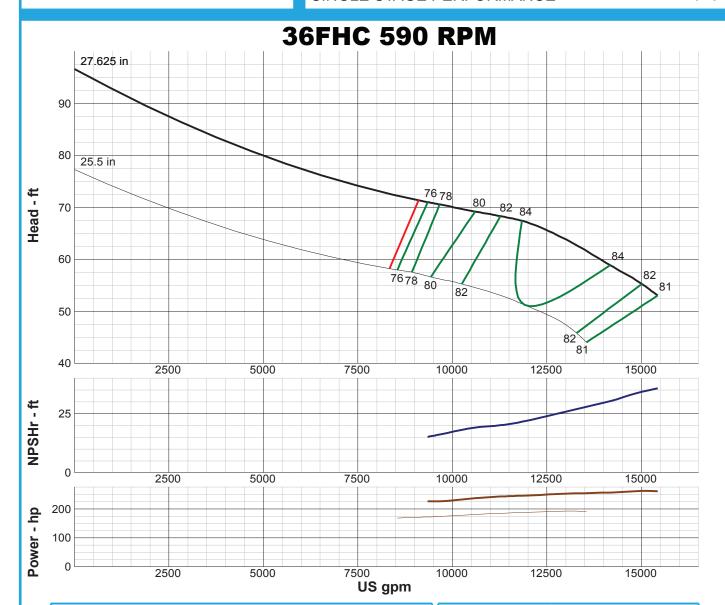
FLANGED BOWL DATA

BOWL NUMBER 1909 **BOWL MAX. DIAMETER** 36.000 IN. **BOWL MIN. DIAMETER** 36.000 IN. MAX. NO. STAGES 4500 LB. ONE STAGE WEIGHT ADD STAGE WEIGHT 2000 LB. STD. SHAFT DIA. 3.250 IN. STD. LATERAL 1.250 IN. DISCHARGE SIZE N/A DISCHARGE CONNECTION FLG. SUCTION BELL DIA. 42.000 IN. SUCTION CONNECTION **BELL** MAX. SPHERE SIZE 2.500 IN. MAX. OPERATIONAL P.S.I. 200 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER DATA					
IMPELLER NUMBER TYPE THRUST FACTOR EYE AREA WEIGHT	1945 ENCLOSED K=94.50 215 SQ. IN. 440 LB.	TRIM ANGLE: 20° Minimum submergence above eye of bottom impeller: 65 IN.			

EFFICIENCY CORRECTION					
NUMBER OF BOWLS:	1	2	3		
CHANGE AS FOLLOWS:	-2	-1	0		
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.					

PUMP MATERIAL EFFICIENCY CORRECTION					
DUCTILE BRONZE NI-R STAINLESS					
IMPELLER MATERIAL:	-1	0	-1	-1	
BOWL MATERIAL:	-1	-1	-1	-2	

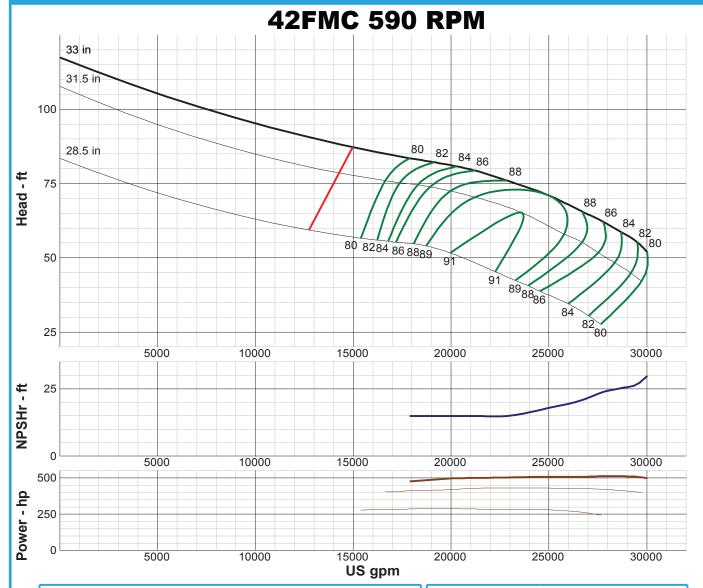
FLANGED BOWL DATA

BOWL NUMBER 1909 **BOWL MAX. DIAMETER** 36.000 IN. **BOWL MIN. DIAMETER** 36.000 IN. MAX. NO. STAGES 2 ONE STAGE WEIGHT 4500 LB. 2000 LB. ADD STAGE WEIGHT STD. SHAFT DIA. 3.250 IN. 1.250 IN. STD. LATERAL DISCHARGE SIZE N/A DISCHARGE CONNECTION FLG. 42.000 IN. SUCTION BELL DIA. SUCTION CONNECTION BELL MAX. SPHERE SIZE 2.500 IN. MAX. OPERATIONAL P.S.I. 200 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLE	ER DATA

IMPELLER NUMBER 0244
TYPE ENCLOSED
THRUST FACTOR K=150.00
EYE AREA 390 SQ. IN.
WEIGHT 875 LB.

TRIM ANGLE: 27.5°

Minimum submergence above eye of bottom impeller: 90 IN.

NUMBER OF BOWLS: 1 2 CHANGE AS FOLLOWS: -1 0

CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTION						
DUCTILE BRONZE NI-R STAINLESS						
IMPELLER MATERIAL:	-1	0	-1	-1		
BOWL MATERIAL:	-1	-1	-1	-2		

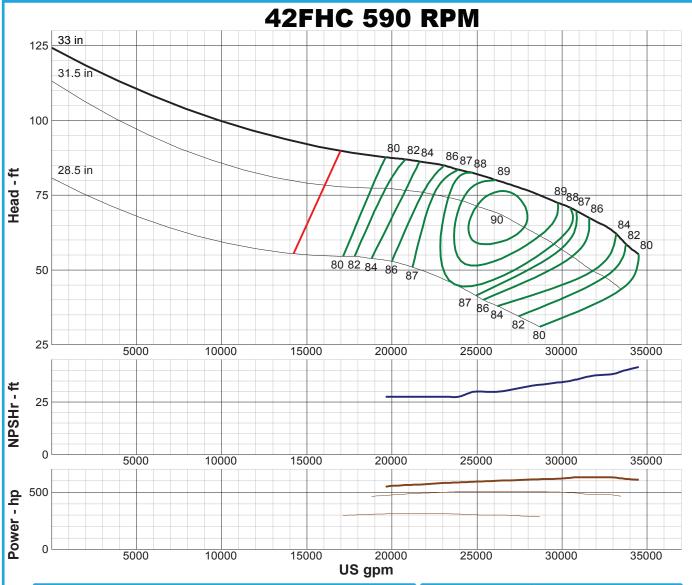
FLANGED BOWL DATA

BOWL NUMBER 0242 **BOWL MAX. DIAMETER** 42.500 IN. **BOWL MIN. DIAMETER** 42.500 IN. MAX. NO. STAGES ONE STAGE WEIGHT 5250 LB. ADD STAGE WEIGHT 3550 LB. STD. SHAFT DIA. 4.000 IN. STD. LATERAL 1.125 IN. DISCHARGE SIZE N/A DISCHARGE CONNECTION FLG. SUCTION BELL DIA. 48.000 IN. SUCTION CONNECTION **BELL** MAX. SPHERE SIZE 3.500 IN. MAX. OPERATIONAL P.S.I. 200 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER NUMBER TYPE THRUST FACTOR EYE AREA WEIGHT O245 ENCLOSED K=150.00 K=150.00 390 SQ. IN. 875 LB. TRIM ANGLE: 25° Minimum submergence above eye of bottom impeller: 90 IN.	IMPELLER DATA				
	TYPE THRUST FACTOR EYE AREA	ENCLOSED K=150.00 390 SQ. IN.	Minimum submergence above		

EFFICIENCY CORRECTION					
NUMBER OF BOWLS:	1	2			
CHANGE AS FOLLOWS:	-1	0			
CHANGE IN EFFICIENCY MAY	Y AFFECT	BOTH HE	EAD AND	HORSEPO	WER.

PUMP MATERIAL EFFICIENCY CORRECTION					
	DUCTILE	BRONZE	NI-R	STAINLESS	
IMPELLER MATERIAL:	-1	0	-1	-1	
BOWL MATERIAL:	-1	-1	-1	-2	

FLANGED BOWL DATA

BOWL NUMBER 0242 **BOWL MAX. DIAMETER** 42.500 IN. BOWL MIN. DIAMETER 42.500 IN. MAX. NO. STAGES ONE STAGE WEIGHT 5250 LB. ADD STAGE WEIGHT 3550 LB. STD. SHAFT DIA. 4.000 IN. STD. LATERAL 1.125 IN. DISCHARGE SIZE N/A DISCHARGE CONNECTION FLG. SUCTION BELL DIA. 48.000 IN. SUCTION CONNECTION **BELL** MAX. SPHERE SIZE 3.500 IN. 200 (SPECIAL) MAX. OPERATIONAL P.S.I.



PERFORMANCE CURVES

LINESHAFT & SUBMERSIBLE

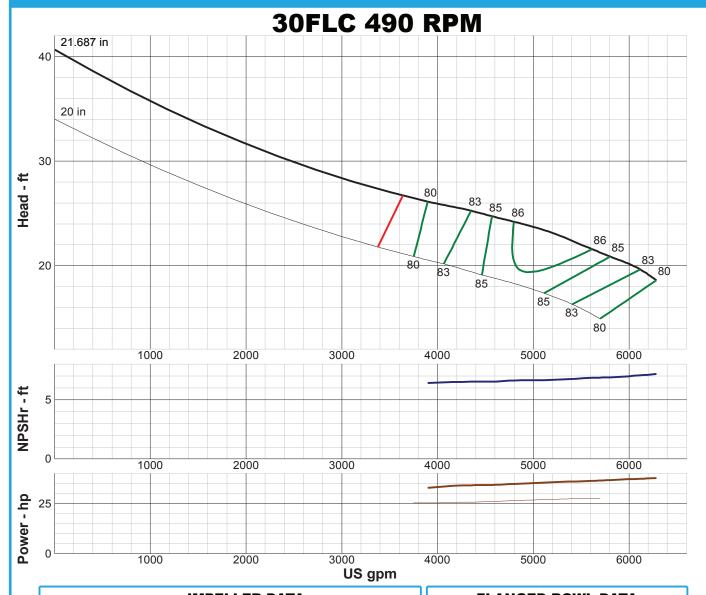
490 RPM





SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER DATA IMPELLER NUMBER TYPE TYPE ENCLOSED K=67.50 EYE AREA Minimum submergence above eye of bottom impeller: 60 IN. WEIGHT EFFICIENCY CORRECTION

EFFICIENCY CORRECTION					
NUMBER OF BOWLS:	1	2	3		
CHANGE AS FOLLOWS:	-2	0	+1		
CHANGE IN EFFICIENCY MAY	Y AFFECT	ВОТН Н	EAD AND	HORSEPO	WER.

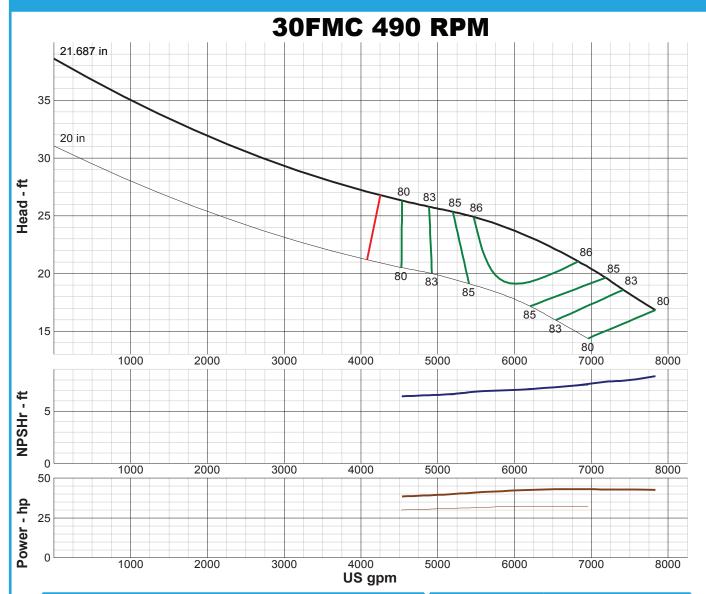
PUMP MATERIAL EFFICIENCY CORRECTION					
DUCTILE BRONZE NI-R STAINLES					
IMPELLER MATERIAL:	-1	0	-1	-1	
BOWL MATERIAL:	-1	-1	-1	-2	

FLANGED BOW	L DATA
BOWL NUMBER	0235
BOWL MAX. DIAMETER	30.000 IN.
BOWL MIN. DIAMETER	30.000 IN.
MAX. NO. STAGES	5
ONE STAGE WEIGHT	4500 LB.
ADD STAGE WEIGHT	2000 LB.
STD. SHAFT DIA.	3.250 IN.
STD. LATERAL	1.375 IN.
DISCHARGE SIZE	N/A
DISCHARGE CONNECTION	FLG.
SUCTION BELL DIA.	33.250 IN.
SUCTION CONNECTION	BELL
MAX. SPHERE SIZE	2.500 IN.
MAX. OPERATIONAL P.S.I.	250 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER NUMBER0193TRIM ANGLE: 27.5°TYPEENCLOSEDTHRUST FACTORK=67.50EYE AREA175 SQ. IN.WEIGHT440 LB. TRIM ANGLE: 27.5° Minimum submergence above eye of bottom impeller: 50 IN.		R DATA	
	TYPE THRUST FACTOR EYE AREA	ENCLOSED K=67.50 175 SQ. IN.	Minimum submergence above

EFFICIENCY CORRECTION					
NUMBER OF BOWLS:	1	2			
CHANGE AS FOLLOWS:	-2	0			
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.					

PUMP MATERIAL EFFICIENCY CORRECTION				
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-1	0	-1	-1
BOWL MATERIAL:	-1	-1	-1	-2

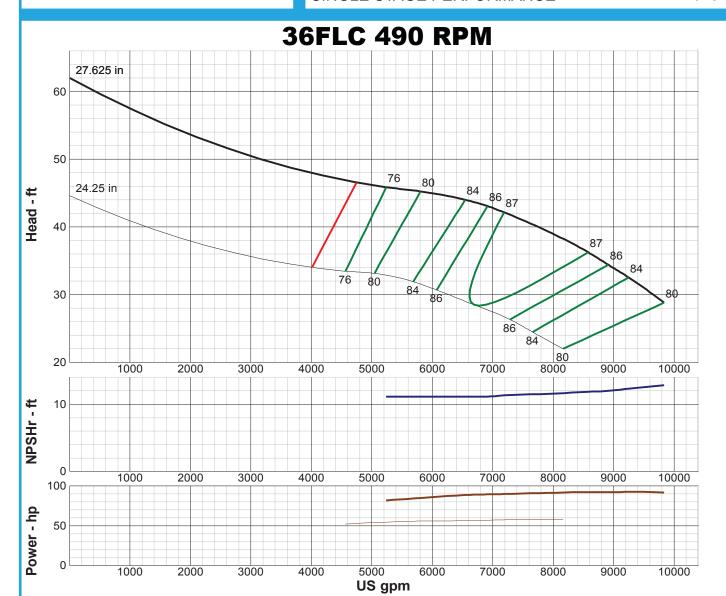
FLANGED BOWL DATA

BOWL NUMBER 0235 **BOWL MAX. DIAMETER** 30.000 IN. **BOWL MIN. DIAMETER** 30.000 IN. MAX. NO. STAGES ONE STAGE WEIGHT 4500 LB. ADD STAGE WEIGHT 2000 LB. STD. SHAFT DIA. 3.250 IN. STD. LATERAL 1.375 IN. DISCHARGE SIZE N/A DISCHARGE CONNECTION BELL SUCTION BELL DIA. 33.250 IN. SUCTION CONNECTION **BELL** MAX. SPHERE SIZE 2.500 IN. MAX. OPERATIONAL P.S.I. 250 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER DATA

IMPELLER NUMBER 1927
TYPE ENCLOSED
THRUST FACTOR K=94.50
EYE AREA 215 SQ. IN.
WEIGHT 440 LB.

TRIM ANGLE: 20°

Minimum submergence above eye of bottom impeller: 65 IN.

NUMBER OF BOWLS: 1 2 3 CHANGE AS FOLLOWS: -2 -1 0

CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTION					
	DUCTILE	BRONZE	NI-R	STAINLESS	
IMPELLER MATERIAL:	-1	0	-1	-1	
BOWL MATERIAL:	-1	-1	-1	-2	

FLANGED BOWL DATA

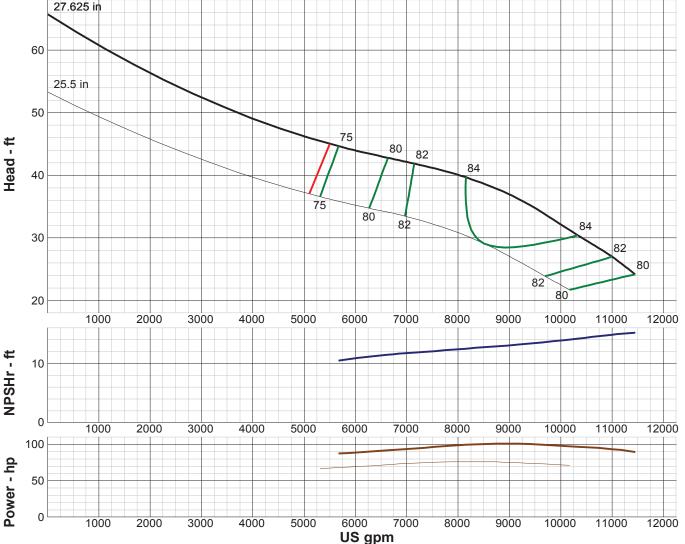
BOWL NUMBER BOWL MAX. DIAMETER 36.000 IN. **BOWL MIN. DIAMETER** 36.000 IN. MAX. NO. STAGES 4500 LB. ONE STAGE WEIGHT ADD STAGE WEIGHT 2000 LB. STD. SHAFT DIA. 3.250 IN. 1.250 IN. STD. LATERAL DISCHARGE SIZE N/A DISCHARGE CONNECTION FLG. SUCTION BELL DIA. 42.000 IN. SUCTION CONNECTION **BELL** 2.500 IN. MAX. SPHERE SIZE 200 (SPECIAL) MAX. OPERATIONAL P.S.I.



SINGLE STAGE PERFORMANCE

APRIL 2020





IMPELLER DATA

IMPELLER NUMBER 1936 **TYPE ENCLOSED** THRUST FACTOR K=94.50 **EYE AREA** 215 SQ. IN. WEIGHT 440 LB.

TRIM ANGLE: 20°

Minimum submergence above eye of bottom impeller: 65 IN.

EFFICIENCY CORRECTION					
NUMBER OF BOWLS:	1	2	3		
CHANGE AS FOLLOWS:	-2	-1	0		
CHANGE IN EFFICIENCY MAY	√ ∆EEECI	BOTH HE		HODSEDO	///ED

PUMP MATERIAL EFFICIENCY CORRECTION					
	DUCTILE	BRONZE	NI-R	STAINLESS	
IMPELLER MATERIAL:	-1	0	-1	-1	
BOWL MATERIAL:	-1	-1	-1	-2	

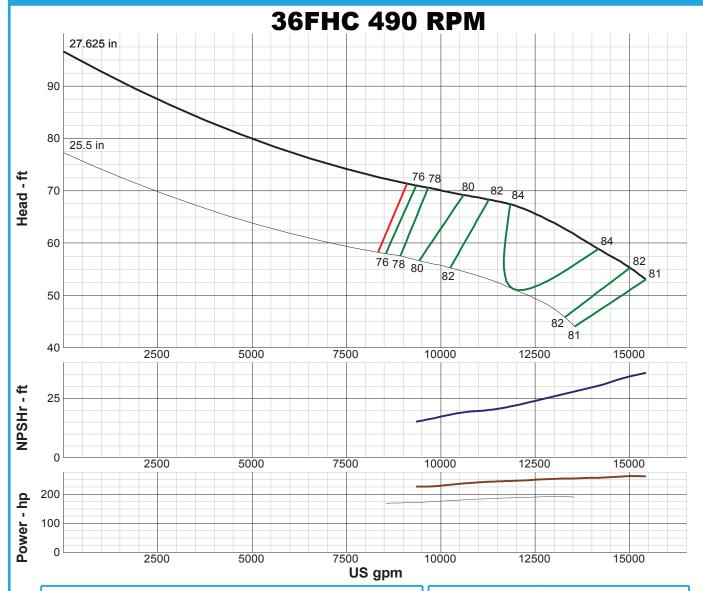
FLANGED BOWL DATA

BOWL NUMBER 1909 **BOWL MAX. DIAMETER** 36.000 IN. **BOWL MIN. DIAMETER** 36.000 IN. MAX. NO. STAGES 2 ONE STAGE WEIGHT 4500 LB. ADD STAGE WEIGHT 2000 LB. STD. SHAFT DIA. 3.250 IN. STD. LATERAL 1.250 IN. DISCHARGE SIZE N/A DISCHARGE CONNECTION FLG. SUCTION BELL DIA. 42.000 IN. SUCTION CONNECTION **BELL** MAX. SPHERE SIZE 2.500 IN. MAX. OPERATIONAL P.S.I. 200 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER DATA					
 TYPE THRUST FACTOR EYE AREA	ENCLOSED K=94.50 215 SQ. IN.				

EFFIC	IENCY	CORRI	ECTIO	1	
NUMBER OF BOWLS:	1	2	3		
CHANGE AS FOLLOWS:	-2	-1	0		
CHANGE IN EFFICIENCY MAY	Y AFFECT	BOTH HE	AD AND	HORSEPO	WER.

PUMP MATERIAL EFFICIENCY CORRECTION				
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-1	0	-1	-1
BOWL MATERIAL:	-1	-1	-1	-2

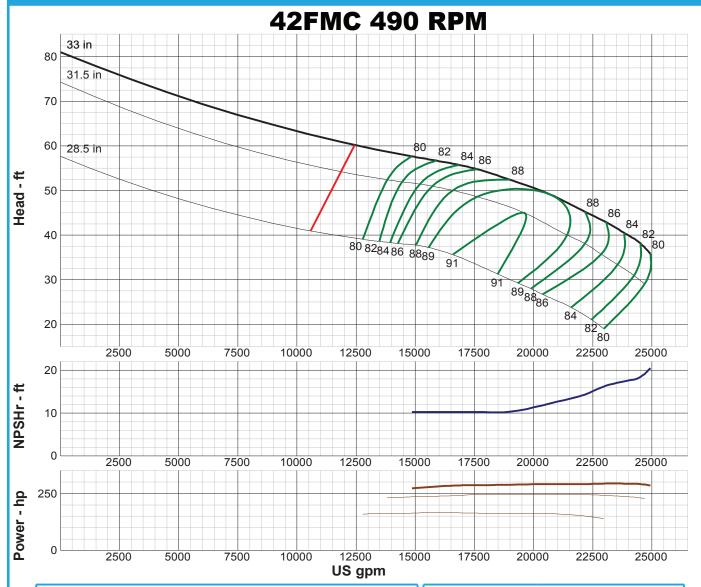
FLANGED BOWL DATA

1909 **BOWL NUMBER BOWL MAX. DIAMETER** 36.000 IN. 36.000 IN. **BOWL MIN. DIAMETER** MAX. NO. STAGES ONE STAGE WEIGHT 4500 LB. ADD STAGE WEIGHT 2000 LB. 3.250 IN. STD. SHAFT DIA. STD. LATERAL 1.250 IN. **DISCHARGE SIZE** N/A DISCHARGE CONNECTION FLG. SUCTION BELL DIA. 42.000 IN. SUCTION CONNECTION **BELL** MAX. SPHERE SIZE 2.500 IN. MAX. OPERATIONAL P.S.I. 200 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER	DATA

IMPELLER NUMBER 0244
TYPE ENCLOSED
THRUST FACTOR K=150.00
EYE AREA 390 SQ. IN.
WEIGHT 875 LB.

TRIM ANGLE: 25°

Minimum submergence above eye of bottom impeller: 90 IN.

EFFICIENCY CORRECTION

NUMBER OF BOWLS:	1	2		
CHANGE AS FOLLOWS:	-1	0		

CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-1	0	-1	-1
BOWL MATERIAL:	-1	-1	-1	-2

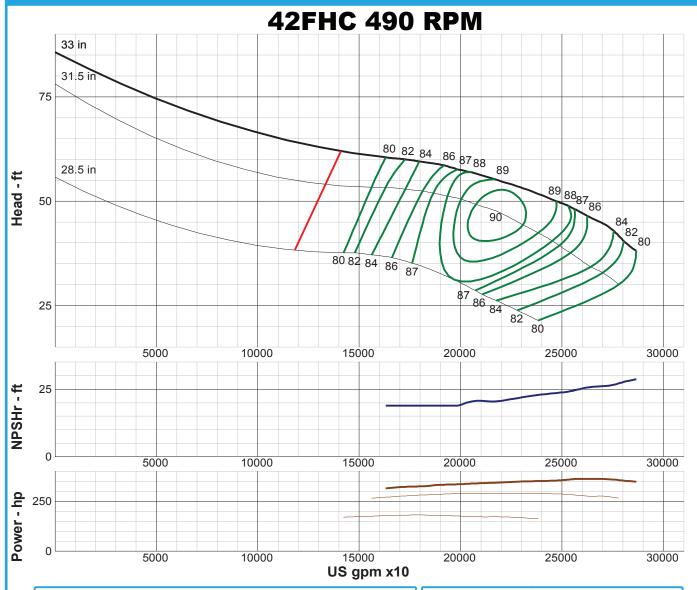
FLANGED BOWL DATA

BOWL NUMBER BOWL MAX. DIAMETER 42.500 IN. BOWL MIN. DIAMETER 42.500 IN. MAX. NO. STAGES ONE STAGE WEIGHT 5250 LB. 3550 LB. ADD STAGE WEIGHT STD. SHAFT DIA. 4.000 IN. STD. LATERAL 1.125 IN. DISCHARGE SIZE N/A DISCHARGE CONNECTION FLG. 48.000 IN. SUCTION BELL DIA. SUCTION CONNECTION **BELL** MAX. SPHERE SIZE 3.500 IN. MAX. OPERATIONAL P.S.I. 200 (SPECIAL)



SINGLE STAGE PERFORMANCE

APRIL 2020



IMPELLER DATA				
IMPELLER NUMBER TYPE THRUST FACTOR EYE AREA WEIGHT	0245 ENCLOSED K=150.00 390 SQ. IN. 875 LB.	TRIM ANGLE: 25° Minimum submergence above eye of bottom impeller: 90 IN.		

EFFICIENCY CORRECTION					
NUMBER OF BOWLS:	1	2			
CHANGE AS FOLLOWS:	-1	0			
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.					

PUMP MATERIAL EFFICIENCY CORRECTION					
	DUCTILE	BRONZE	NI-R	STAINLESS	
IMPELLER MATERIAL:	-1	0	-1	-1	
BOWL MATERIAL:	-1	-1	-1	-2	

FLANGED BOWL DATA

BOWL NUMBER 0242 BOWL MAX. DIAMETER 42.500 IN. **BOWL MIN. DIAMETER** 42.500 IN. MAX. NO. STAGES 5250 LB. ONE STAGE WEIGHT 3550 LB. ADD STAGE WEIGHT STD. SHAFT DIA. 4.000 IN. STD. LATERAL 1.125 IN. DISCHARGE SIZE N/A DISCHARGE CONNECTION FLG. SUCTION BELL DIA. 48.000 IN. SUCTION CONNECTION **BELL** MAX. SPHERE SIZE 3.500 IN. MAX. OPERATIONAL P.S.I. 200 (SPECIAL)