

15SH06A10T3E2

Technical Data

Company
Contact
Tel.
E-mail

Operating Data

1 Pump type	Single head pump	Fluid	Water
2 No. of pumps	1	Operating temperature t A °F	39.2
3 Nominal flow US g.p.m.	0	pH-value at t A	7
4 Nominal head ft	0	Density at t A lb/ft³	62.4
5 Static head ft	0	Kin. viscosity at t A ft²/s	1.689E-5
6 Inlet pressure psi	0	Vapor pressure at t A psi	14.5
7 Environmental temperature °F	68	Content of solid% Solid size inch	0 0
8 Available system NPSH ft	0	Altitude ft	0

Pump Data

9 Design	Highly efficient stainless steel end suction pumps				
10 Execution	Rotation: 12 oClock [STD]				
11 Operating speed rpm	3500	Impeller Ø	Max.	inch	6 3/4
12 Group	S		Designed	inch	6 3/4
13 Suction	NPS 2.5 / CL150 / ASME B16.5 (e-SH)		Min.	inch	4 3/16
14 Discharge port	NPS 1.5 / CL150 / ASME B16.5 (e-SH)	Flow	Nominal	US g.p.m.	
15 Max. casing pressure psi			Max-	US g.p.m.	222
16 Max. working pressure psi	76.2		Min-	US g.p.m.	55
17 Impeller type	Radial impeller	Head	Nominal	ft	
18 Head H(Q=0) ft	180		at Qmax	ft	110.6
19 Max. shaft power hp	9.6		at Qmin	ft	177
20 Pump weight lb	57.0	Shaft power		hp	
21 Total weight lb	On demand	Efficiency		%	
		NPSH 3%		ft	

Materials

22	Pump		Shaft Seal		
23 Casing	Stainless steel 316L	John Crane	Elastomer Bellows Shaft Seal		
24 Impeller	Stainless steel 316L	Type 21			
25 Wear Ring	Stainless steel 316L	Seal faces	Carbon [STD]		
26 Adapter	Gray cast iron class 20B	Stationary ring	Silicon Carbide		
27 Ball bearing (outboard)	Steel	Elastomers	FKM		
28 Pump shaft	Steel grade 1213	Springs	Stainless steel CF8M (316)		
29 Deflector	Buna-N	Other metal parts	Stainless steel CF8M (316)		
30 Shaft sleeve	Stainless steel CF8M (316)				
31 Bearing Cover	Gray cast iron class 20B				
32 Ball bearing (inboard)	Steel				
33 Impeller Key	Steel				
34 Seal Housing	Stainless steel 316L				
35 Impeller Washer	Stainless steel CF8M				
36 Bearing Frame	Gray cast iron class 20B				
37 Lip Seal	Not available				
38 V-Ring	Buna-N				
39 Casing bolt with nut (casing to adapter)	Stainless Steel				
40 Retaining ring	Steel				
41					

Motor Data

42 Manufacturer	Baldor			
43 Specific design	NEMA 3 ph TEPE [STD]			
44 Type	Frame 215JM - 10 hp			
45 Rated power	10 hp	Item no.		
46 Nominal speed	3600 rpm	Service factor	1.15	
47 Frame size	215JM	Electric voltage	460 V	
48 Weight lb	118.0			

Base Plate

49 Name		Remarks
50 Weight lb		

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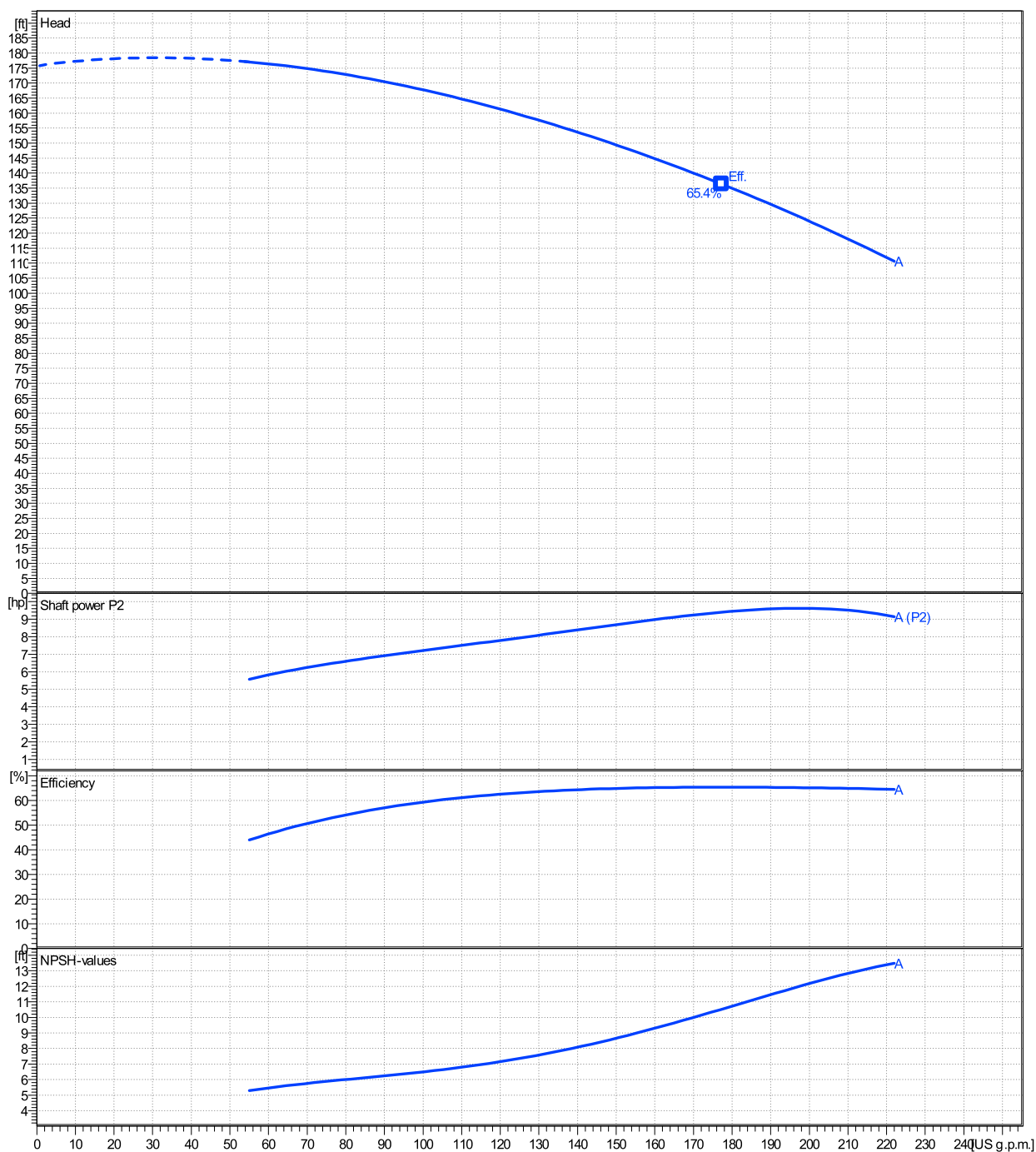
Performance Curve

Company
Contact
Tel.
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	Ø inch	Delivered Flow Application Range			Lift Capability		Shaft Power P2			Frequency		60
		Min. US g.p.m.	Max. US g.p.m.	Max. η US g.p.m.	H(Q=0) ft	η Max. ft	P2(Q=0) hp	Max. hp	η Max. hp	Operating speed rpm	Hz	
Is	6.750	55	222	177	176	136		9.63	9.4	Nominal flow	US g.p.m.	0
Min.	4.187	/	/	140	63.5	30.5		/	17.5	Nominal head	ft	0
Max.	6.750	/	/	177	176	136		/	9.4	Inlet pressure	psi	0
										Static head	ft	0

Power datas referred to:

Water [100%] ; 39.2°F; 62.4lb/ft³; 1.69E-5ft²/s



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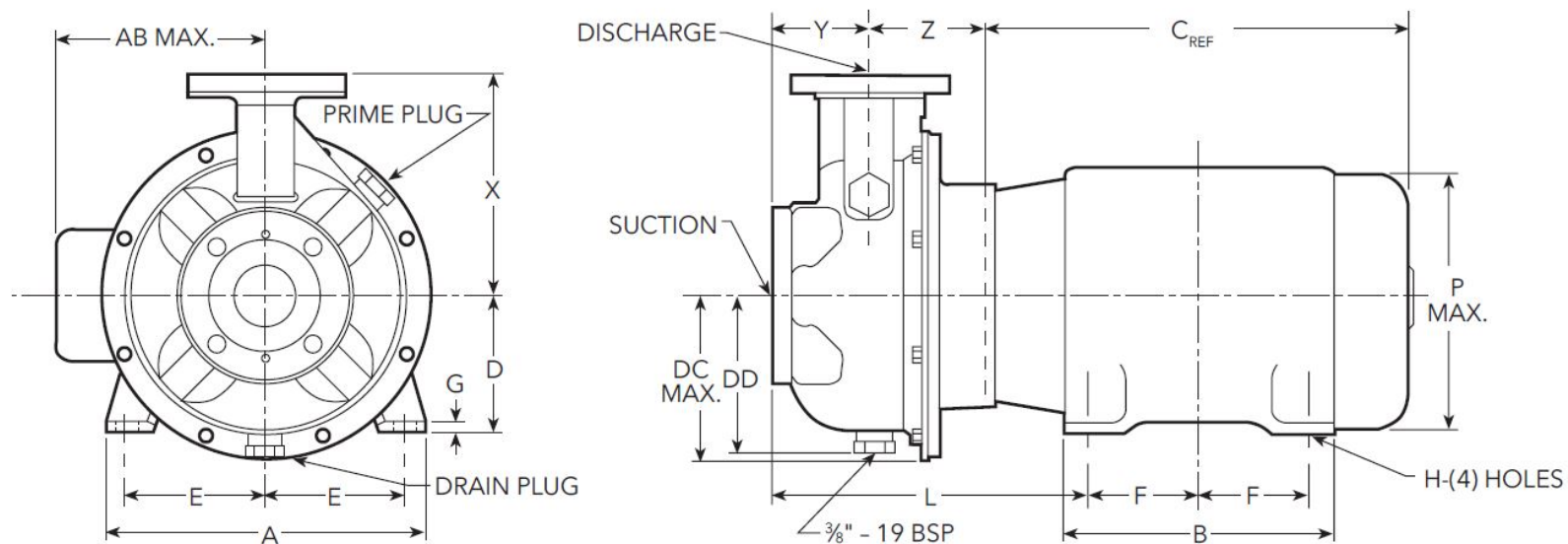
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Dimensions

Company
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Close coupled
Rotation: 12 oClock [STD]
NEMA 3 ph TEPE [STD]Frame 215JM - 10 hp



Dimensions		[inch]	
A	9 ¹ / ₂		
ABmax	8 ³ / ₈		
B	8		
Cref	18 ¹ / ₈		
D	5 ¹ / ₄		
DCmax	5		
DD	4 ³ / ₄		
E	4 ¹ / ₄		
F	3 ¹ / ₂		
G	5 ⁵ / ₈		
H	7 ⁷ / ₁₆		
L	9 ³ / ₄		
Pmax	10 ⁵ / ₁₆		
X	6 ³ / ₈		
Y	3 ¹ / ₄		
Z	3 ⁵ / ₈		

Connections	
Suction	Discharge port
NPS 2.5	NPS 1.5
CL150	CL150
ASME B16.5 (e-SH)	ASME B16.5 (e-SH)
Weight (+/- 5%)	
Pump	57 lb
Base Plate	
Motor	118 lb
Total weight	On demand lb

Note: Drawing not to be used for construction purposes. Weights subject to change.

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