

15SH06B7HT3F2

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 3/8
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.	208
16 Max. working pressure psi	66.9		Min-	US g.p.m.	55
17 Impeller type	Radial impeller	Head	Nominal	ft	
18 Head H(Q=0) ft	150		at Qmax	ft	87.5
19 Max. shaft power hp	7.5		at Qmin	ft	150.1
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 184JM - 7.5 hp			
45 Rated power	7.5 hp	Item no.		
46 Nominal speed	3600 rpm	Service factor	1.15	
47 Frame size	184JM	Electric voltage	460 V	
48 Weight lb	101.0			

Base Plate

49 Name		Remarks
50 Weight lb		

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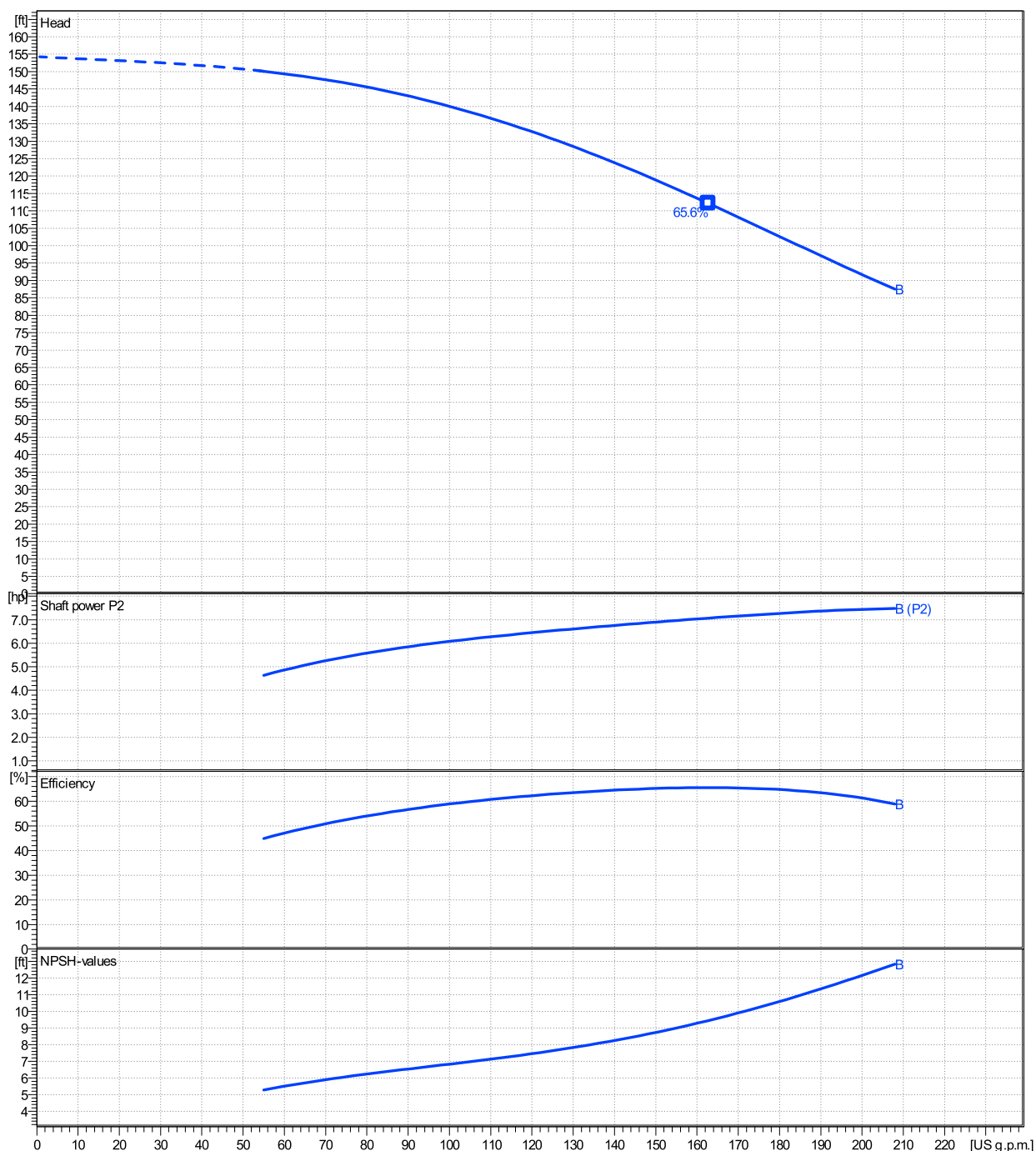
Performance Curve

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	Ø inch	Delivered Flow Application Range			Lift Capability		Shaft Power P2			Frequency		Hz	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	Nominal flow US g.p.m.		
Is	6.375	55	208	163	154	112		7.47	7.07				
Min.	4.187	/	/	140	63.5	30.5		/	10.7				
Max.	6.750	/	/	177	176	136		/	9.05				

Power datas referred to:

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



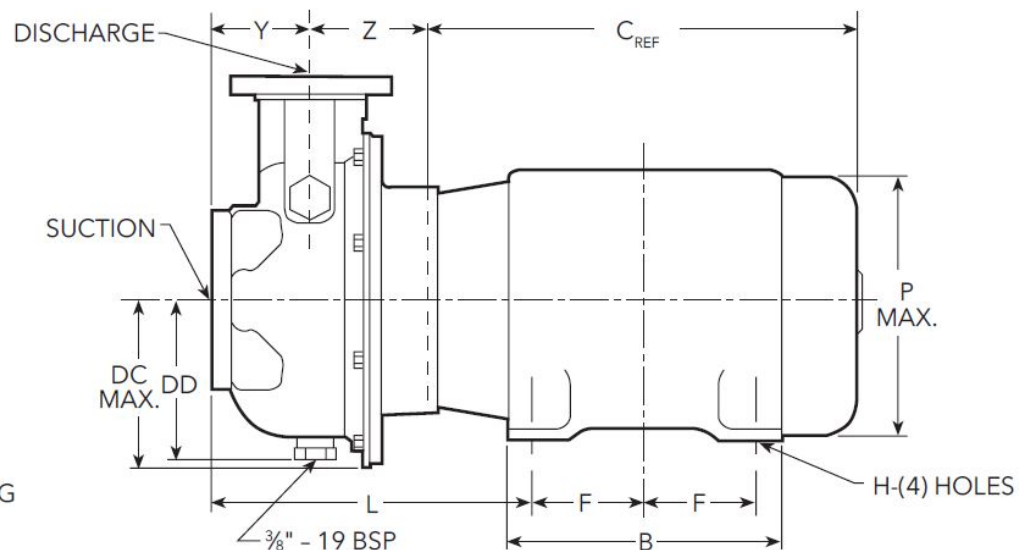
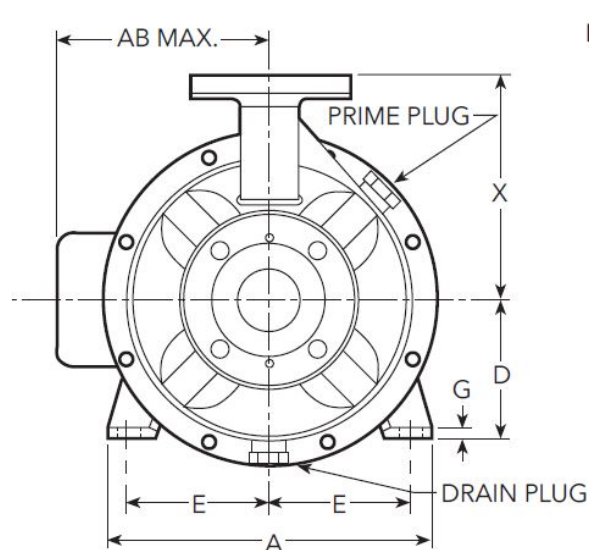
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Dimensions

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Close coupled
Rotation: 12 oClock [STD]
NEMA 3 ph TEPE [STD]Frame 184JM - 7.5 hp



Dimensions		[inch]	
A	8 ⁵ / ₈		
ABmax	7 ¹ / ₂		
B	6 ¹ / ₂		
Cref	17 ⁵ / ₈		
D	4 ¹ / ₂		
DCmax	5		
DD	4 ³ / ₄		
E	3 ³ / ₄		
F	2 ³ / ₄		
G	3 ³ / ₈		
H	7 ¹ / ₁₆		
L	9 ³ / ₄		
Pmax	9 ⁹ / 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	101 lb
Total weight	On demand lb

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

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