

25SH06E15T3F2

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 7 1/8
12	Group	S		Designed	inch 5 3/4
13	Suction	NPS 3 / CL150 / ASME B16.5 (e-SH)		Min.	inch 5 1/2
14	Discharge port	NPS 2.5 / CL150 / ASME B16.5 (e-SH)	Flow	Nominal	US g.p.m.
15	Max. casing pressure	psi		Max-	US g.p.m. 450
16	Max. working pressure	psi 55.8		Min-	US g.p.m. 150
17	Impeller type	Radial impeller	Head	Nominal	ft
18	Head H(Q=0)	ft 130		at Qmax	ft 86.3
19	Max. shaft power	hp 13.4		at Qmin	ft 127
20	Pump weight	lb 59.0	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 CF8M	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 254JM - 15 hp		
45	Rated power	15 hp	Item no.	
46	Nominal speed	3600 rpm	Service factor	1.15
47	Frame size	254JM	Electric voltage	460 V
48	Weight	lb 257.0		

Base Plate

49	Name		Remarks
50	Weight	lb	

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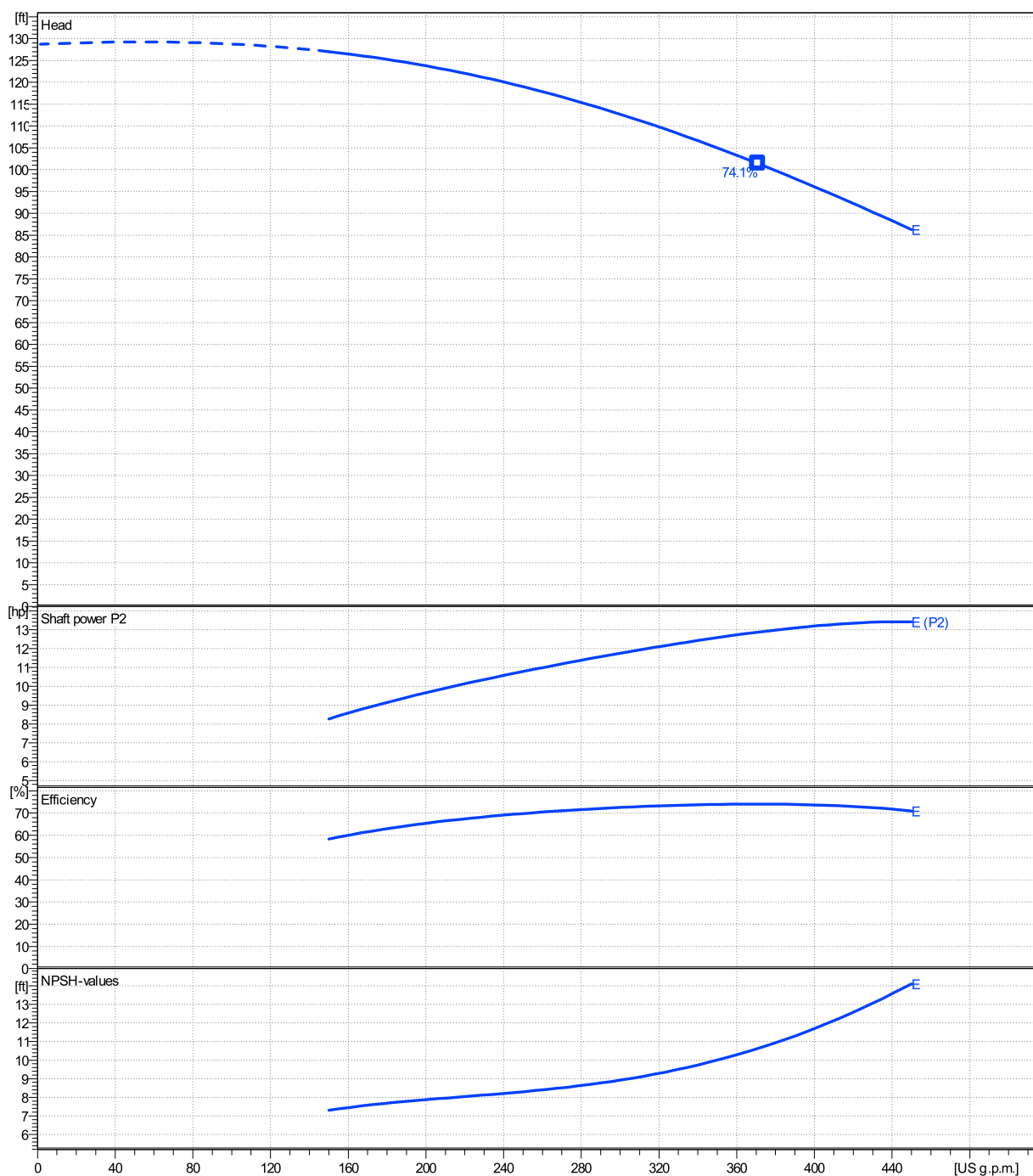
Performance Curve

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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	Max. η ft	P2(Q=0) hp	Max. hp	Max. η hp	Operating speed rpm		3500
Is	5.750	150	450	371	129	101		13.4	12.9	Nominal flow	US g.p.m.	0
Min.	5.500	/	/	354	115	86.3		/	10.7	Nominal head	ft	0
Max.	7.156	/	/	385	202	176		/	22.2	Inlet pressure	psi	0
										Static head	ft	0

Power datas referred to:

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



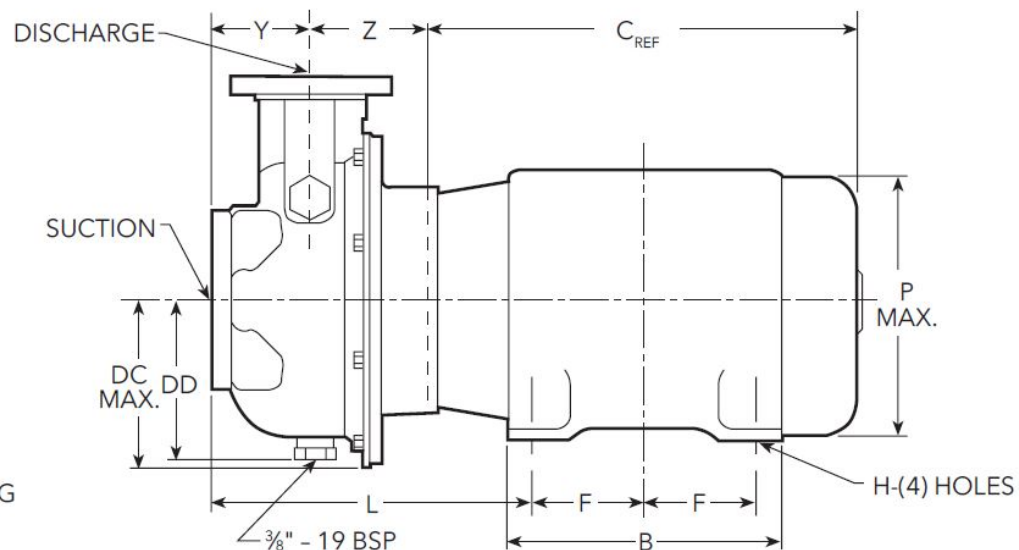
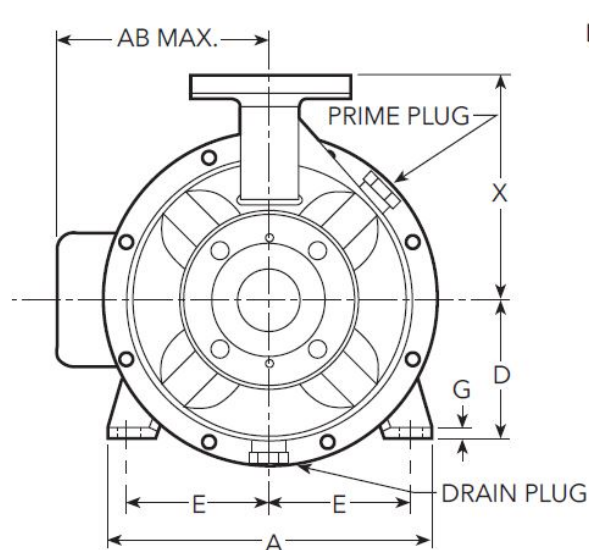
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Dimensions

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Close coupled
Rotation: 12 oClock [STD]
NEMA 3 ph TEPE [STD]Frame 254JM - 15 hp



Dimensions		[inch]	
A	11 ¹ / ₂		
ABmax	12 ³ / ₈		
B	11 ¹ / ₂		
Cref	20 ³ / ₄		
D	6 ¹ / ₄		
DCmax	6		
DD	5 ³ / ₄		
E	5		
F	5		
G	1 ¹ / ₄		
H	1 ¹ / ₂		
L	12 ² / ₈		
Pmax	13 ³ / ₈		
X	7 ¹⁵ / ₁₆		
Y	4		
Z	3 ⁵ / ₈		

Connections	
Suction	Discharge port
NPS 3	NPS 2.5
CL 150	CL 150
ASME B16.5 (e-SH)	ASME B16.5 (e-SH)
Weight (+/- 5%)	
Pump	59 lb
Base Plate	
Motor	257 lb
Total weight	On demand lb

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

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