

01SH10D15T3E2

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/ft ³	62.4
5	Static head	ft 0	Kin. viscosity at t A	ft ² /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 9 5/8
12	Group	S		Designed	inch 8 3/16
				Min.	inch 7 3/16
13	Suction	NPS 2 / CL150 / ASME B16.5 (e-SH)			Nominal US g.p.m.
14	Discharge port	NPS 1 / CL150 / ASME B16.5 (e-SH)			Flow
15	Max. casing pressure	psi	Max-	US g.p.m. 140	
16	Max. working pressure	psi 109.1	Min-	US g.p.m. 40	
17	Impeller type	Radial impeller			Head
18	Head H(Q=0)	ft 250	at Qmax	ft 159.9	
19	Max. shaft power	hp 11.7	at Qmin	ft 241.7	
20	Pump weight	lb 86.0	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 254TCZ - 15 hp			
45	Rated power	15 hp	Item no.		
46	Nominal speed	3600 rpm	Service factor	1.15	
47	Frame size	254TCZ	Electric voltage	460 V	
48	Weight	lb 259.0			

Base Plate			Remarks		
49	Name				
50	Weight	lb			

Project	Project ID	Created by	Created on	Last update
			09-03-19	

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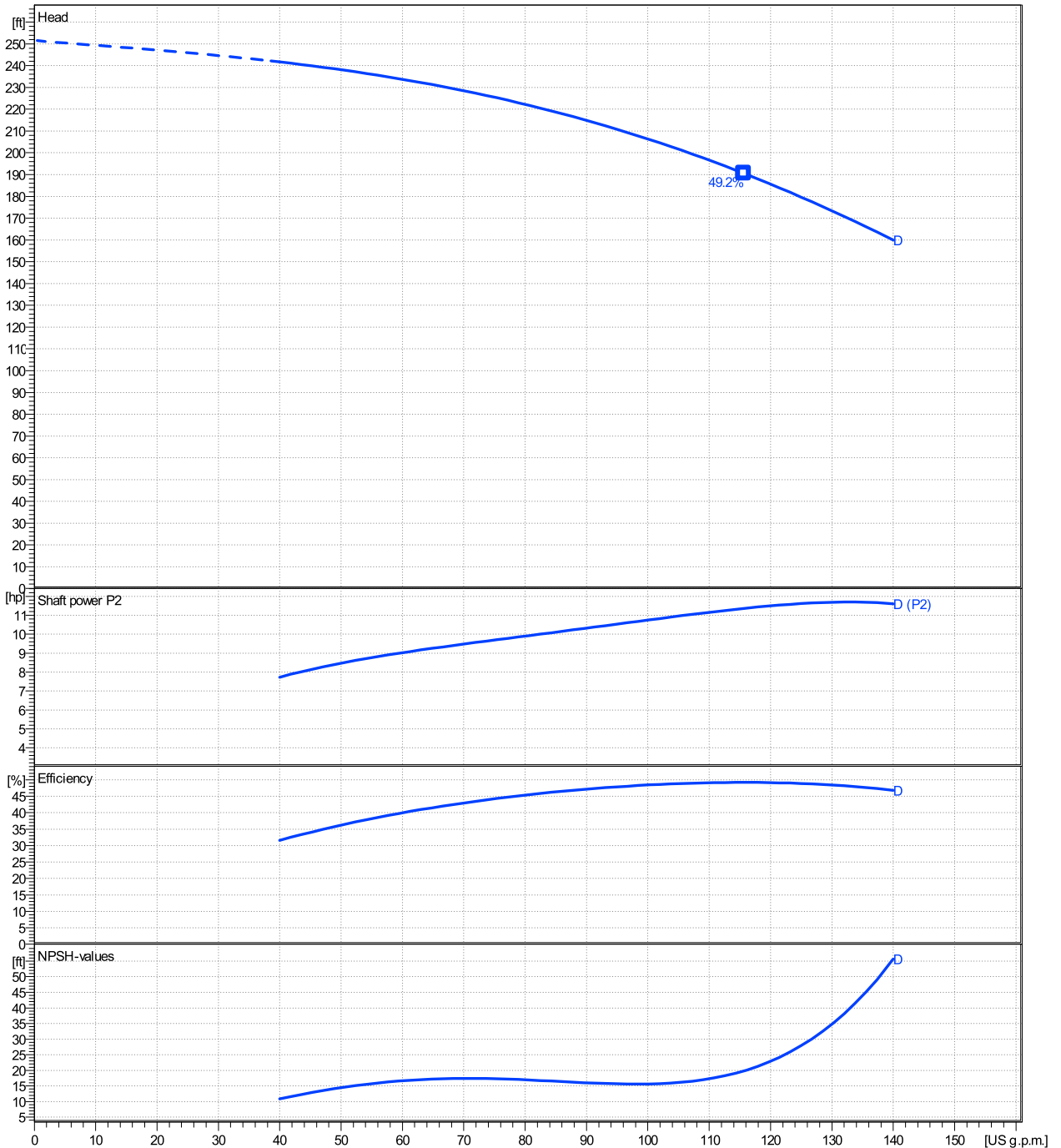
Performance Curve

Company
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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	8.187	40	140	116	252	191	11.7	11.4		Nominal head	ft	0	
Min.	7.203	/	/	100	186	137	/	7.19		Inlet pressure	psi	0	
Max.	9.640	/	/	146	373	302	/	19.4		Static head	ft	0	

Power data referred to:

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



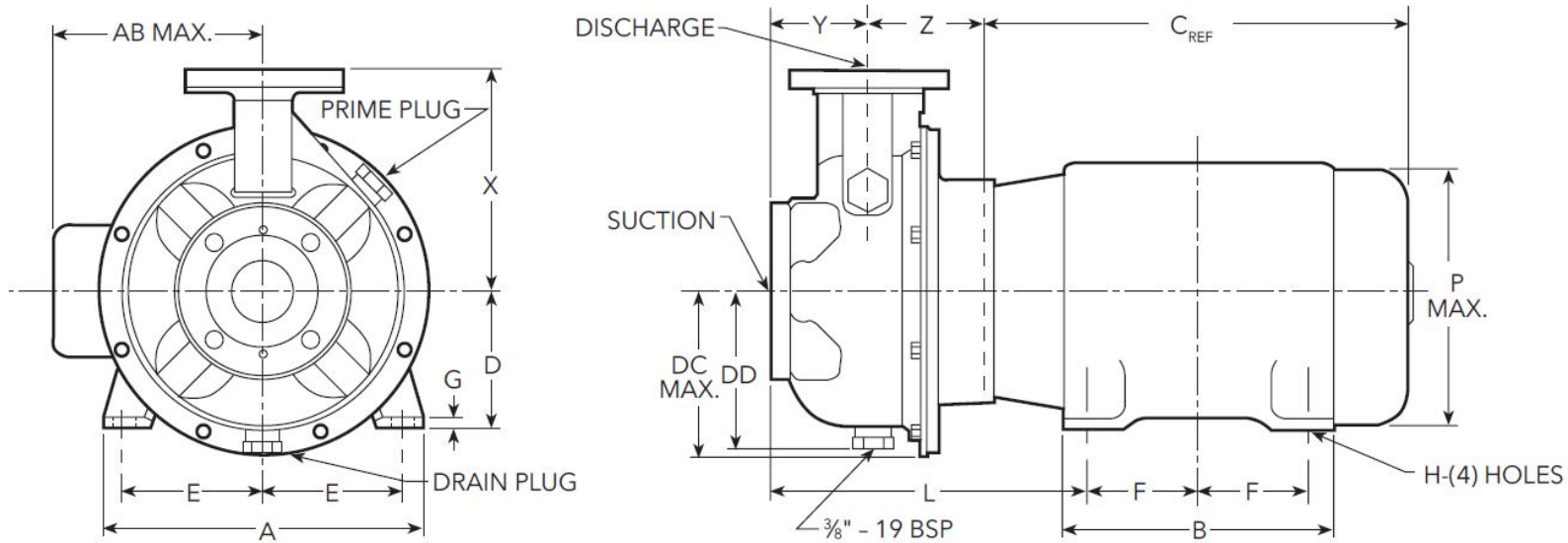
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Dimensions

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



Dimensions		[inch]	
DCmax	6 ⁷ / ₈		
DD	6 ⁵ / ₈		
L	12 ² / ₈		
X	8 ⁷ / ₈		
Y	4		
Z	3 ⁷ / ₈		

Connections	
Suction	Discharge port
NPS 2	NPS 1
CL150	CL150
ASME B16.5 (e-SH)	ASME B16.5 (e-SH)
Weight (+/- 5%)	
Pump	86 lb
Base Plate	
Motor	259 lb
Total weight	On demand lb

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

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