

3SVI1616GG4F6S0

Technical data

Company Name
Contact
Phone number
E-Mail address

Operating data

1	Pumpe 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	Max/Min Operating Temperature	°F /
4	Nominal head	ft 0	pH-value at t A	7
5	Static head	ft 0	Density at t A	lb/ft³ 62.4
6	Inlet pressure	psi 0	Kin. viscosity at t A	ft²/s 1.689E-5
7	Environmental temperature	°F 68	Vapor pressure at t A	psi 14.5
8	Available system NPSH	ft 0	Altitude	0

Pump data

9	Design	Multi-Stage Pumps
10	Impellers	16
11	Total stages	16
12	Blank stages	0
13	Operating speed	rpm 3500
14	Discharge flange	1 1/4" Female NPT
15	Max. casing pressure	psi
16	Max. working pressure	psi 240.1
17	Impeller type	Enclosed
18	Head H(Q=0)	ft 550
19	Max. shaft power	hp 3.3
20	Pump weight	kg 31.0 lb
21	Total weight	lb 127.0

Materials

22		Pump		Mechanical seal
23	1 - Discharge Head - Motor Adapter	Cast iron / ASTM Class 35	[S] = e-SVI Standard seal (coupled)	
24	2 - Impeller	Stainless steel / AISI 304	e-SVI Coupled seal	
25	3 - Diffuser	Stainless steel / AISI 304	Mechanical seal diameter	
26	4 - Casing	Stainless steel / AISI 316L	1 - Rotating part	Silicon carbide
27	5 - Shaft	Stainless steel / AISI 316	2 - Stationary part	Resin impregnated carbon
28	6 - Suction Base	Stainless steel / ASTM CF8M (AISI 316 cast)	3 - Elastomers	FKM
29	7 - Strainer	Stainless steel / AISI 316	4 - Springs	AISI 316
30	8 - Coupling	Aluminium	5 - Other components	AISI 316
31	9 - Seal Housing	Stainless steel / ASTM CF8M (AISI 316 cast)		
32	10 - Mechanical Seal	Refer Mechanical Seal		
33	11 - Cartridge Seal	Refer Mechanical Seal		
34	12 - Elastomers	Refer Mechanical Seal		
35	13 - Coupling Guard	Stainless steel / AISI 304		
36	14 - Shaft Sleeve and Bushing	Tungsten carbide		
37	15 - Tie Rods	Stainless steel / AISI 316		
38	16 - Screws	Stainless steel / AISI 316		
39	17 - Inducer	Stainless steel / ASTM CF8M (AISI 316 cast)		
40				
41				

Motor data

42	Manufacturer	Baldor
43	Specific design	3ph TEPE
44	Type	208-230/460V 184TC (V10A32E5BD2S)
45	Rated power	5 hp
46	Nominal speed	3500 rpm
47	Frame size	184TC
48	Weight	lb 96.0

Remarks

Project	Project ID	Created by	Created on	Last update
			03-02-22	03-02-22

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Performance Curve

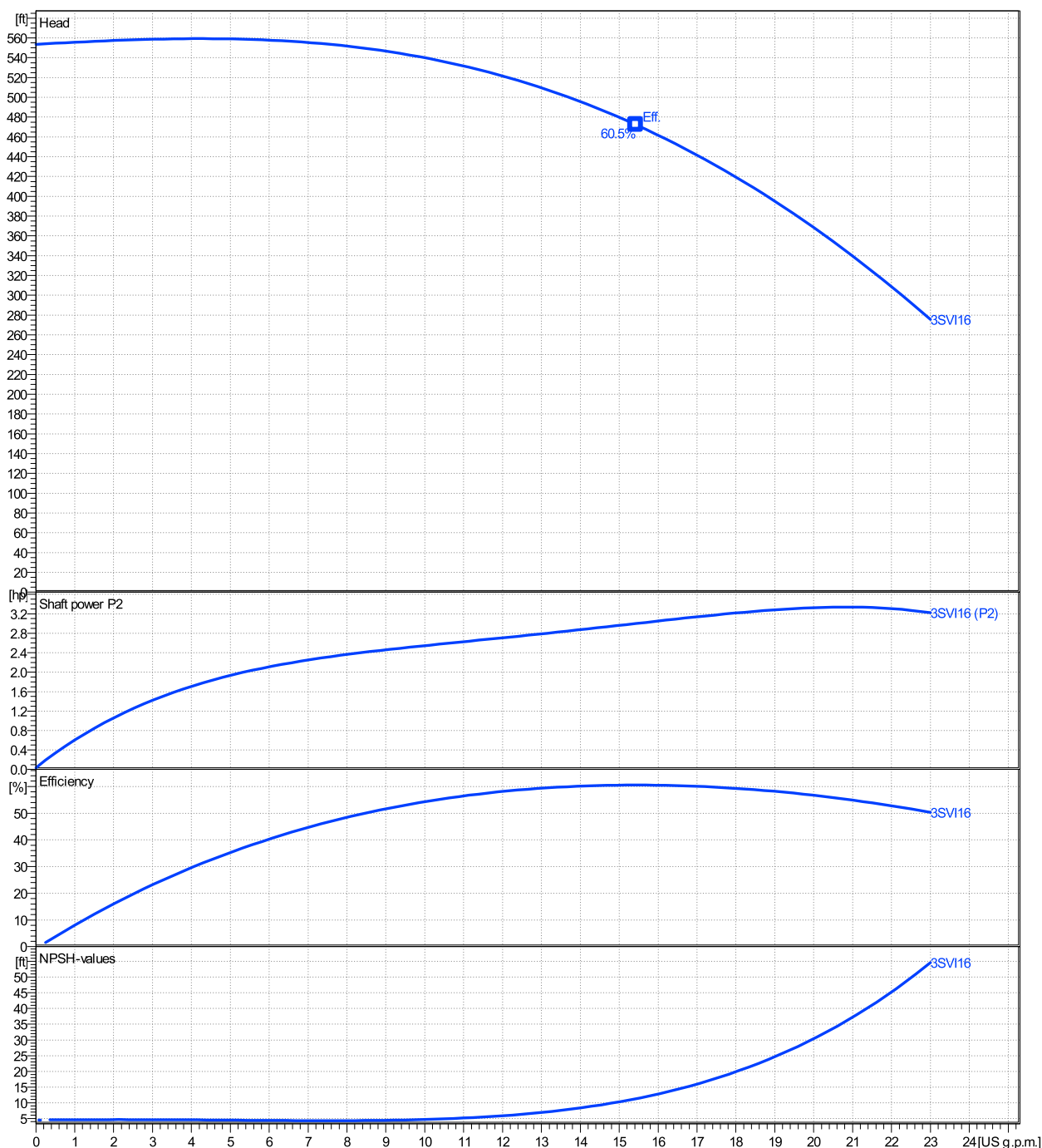
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	Ø inch	Delivered Flow Application Range			Lift Capability		Shaft Power P2			Frequency		Hz
		Min. US g.p.m.	Max. US g.p.m.	Max. η US g.p.m.	H(Q=0) ft	Max. η ft	P2(Q=0) hp	Max. hp	Max. η hp	Operating speed rpm	Nominal flow US g.p.m.	
Is	0.000	0	23	15.4	554	472	0.0361	3.34	3	3500	0	60
Min.	0.000	/	/	15.4	554	472	0.0361	/	3		0	
Max.	0.000	/	/	15.4	554	472	0.0361	/	3		0	

Power data referred to:

Hydr. performance acceptance acc. to EN ISO 9906 Class

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



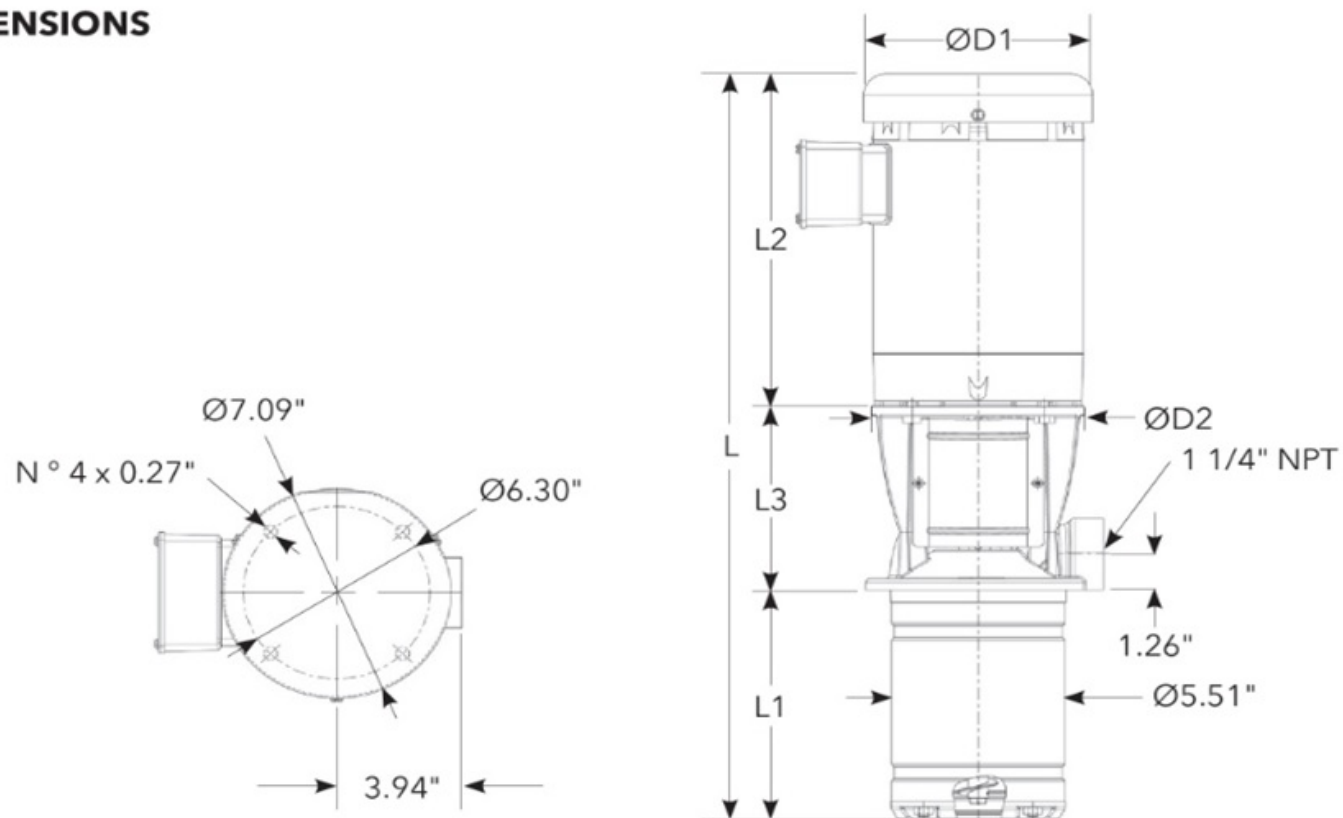
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Dimensions

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3 e-SVI DIMENSIONS



Dimensions [inch]

D1	8 ⁷ / ₈
D2	6 ¹¹ / ₁₆
L	36 ⁹ / ₁₆
L1	15 ¹¹ / ₁₆
L2	13 ¹⁵ / ₁₆
L3	6 ¹⁵ / ₁₆

Weight (+/- 5%)

Pump	31 lb
Motor	96 lb
Blank stages	0
Total weight	127 lb

Weight table for blank stages

1-3SVI	0.44 lb per stage
5SVI	0.53 lb per stage
10SVI	1.26 lb per stage
15-22SVI	1.74 lb per stage

Dimensions and weight without obligation

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