

Customer	Date 11.03.2020
Contact	Project
Phone number	Project no.
Email	

5SV12GG4F60

Operating data

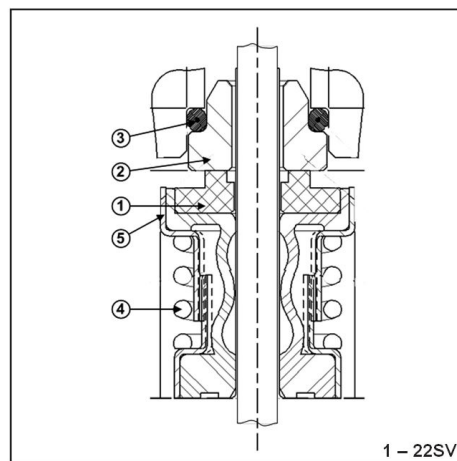
Pump type	Multi-Stage Pumps	Fluid	Water
No. of pumps / Reserve	1 / 0	Operating temperature t A	°F 39.2
Nominal flow	US g.p.m. 30	pH-value at t A	7
Nominal head	ft 300	Density at t A	lb/ft³ 62.4
Static head	ft 0	Kin. viscosity at t A	ft²/s 1.689E-5
Inlet pressure	psi 0	Vapor pressure at t A	psi 14.5
Environmental temperature	°F 68	Solids	0
Available system NPSH	ft 0	Altitude	ft 0

Pump data

Make	Goulds Water Technology	Nominal	US g.p.m. 31.2 (31.2)
Speed	rpm 3500	Max-	US g.p.m. 44.1
No. of stages	12	Min-	US g.p.m.
Max. working pressure	psi 179.2	Nominal	ft 324.7
Head H(Q=0)	ft 410	at Qmax	ft 204.7
Weight	lb 134	at Qmin	ft 413.2
Efficiency	% 70.41	Shaft power	hp 3.6 (3.6)
NPSH 3%	ft 6.4	Max. shaft power	hp 4

Shaft Seal

Single Seal	Xylem
Mechanical Seals	
1 - Rotating Face	Carbon
2 - Stationary Face	Silicon Carbide Graphite Filled
3 - Elastomers	Viton
4 - Spring	316SS
5 - Metal Components	316SS



Motor data

Manufacturer	Baldor	Electric voltage	208 V	Speed	3500 rpm	Insulation class	F
Specific design	3ph TPE			Frame size	184TC	Colour	RAL 5010
Type	208-230/460V 184TC (V10A32E5BD2S)			Degree of protection	TEPE		
Rated power	5 hp	Electric current	12.4 A				

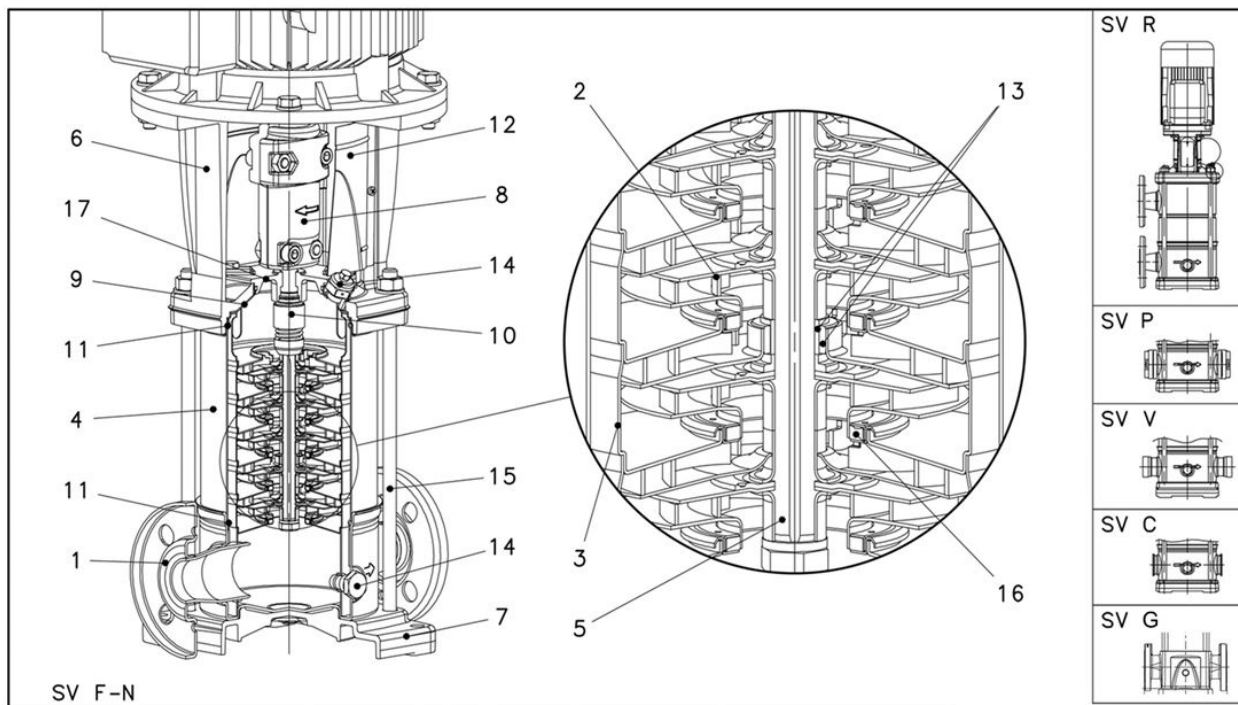
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Pump Materials

1 - Pump Body	Cast Iron (ASTM Class 35/40B)
2 - Impeller	Stainless Steel (AISI 304)
3 - Diffuser	Stainless Steel (AISI 304)
4 - Casing	Stainless Steel (AISI 316L)
5 - Shaft	Stainless Steel (AISI 316)
6 - Adapter	Cast Iron (ASTM Class 35/40B)
7 - Base	N/A
8 - Coupling	Aluminum (A384.0-F)
9 - Seal Plate	Stainless Steel (AISI 316L)
10 - Mechanical Seal	Refer Mechanical Seals
11 - Elastomers	Refer Mechanical Seals
12 - Coupling Guard	Stainless Steel (AISI 304)
13 - Shaft Sleeve and Bushing	Tungsten carbide
14 - Fill/Drain Plugs	Stainless Steel (AISI 316)
15 - Tie Rods	Carbon Steel / Zinc Plated (A29 Gr.1045)
16 - Wear Ring	PPS
17 - Seal Gland	Stainless Steel (AISI 316)



Remarks:

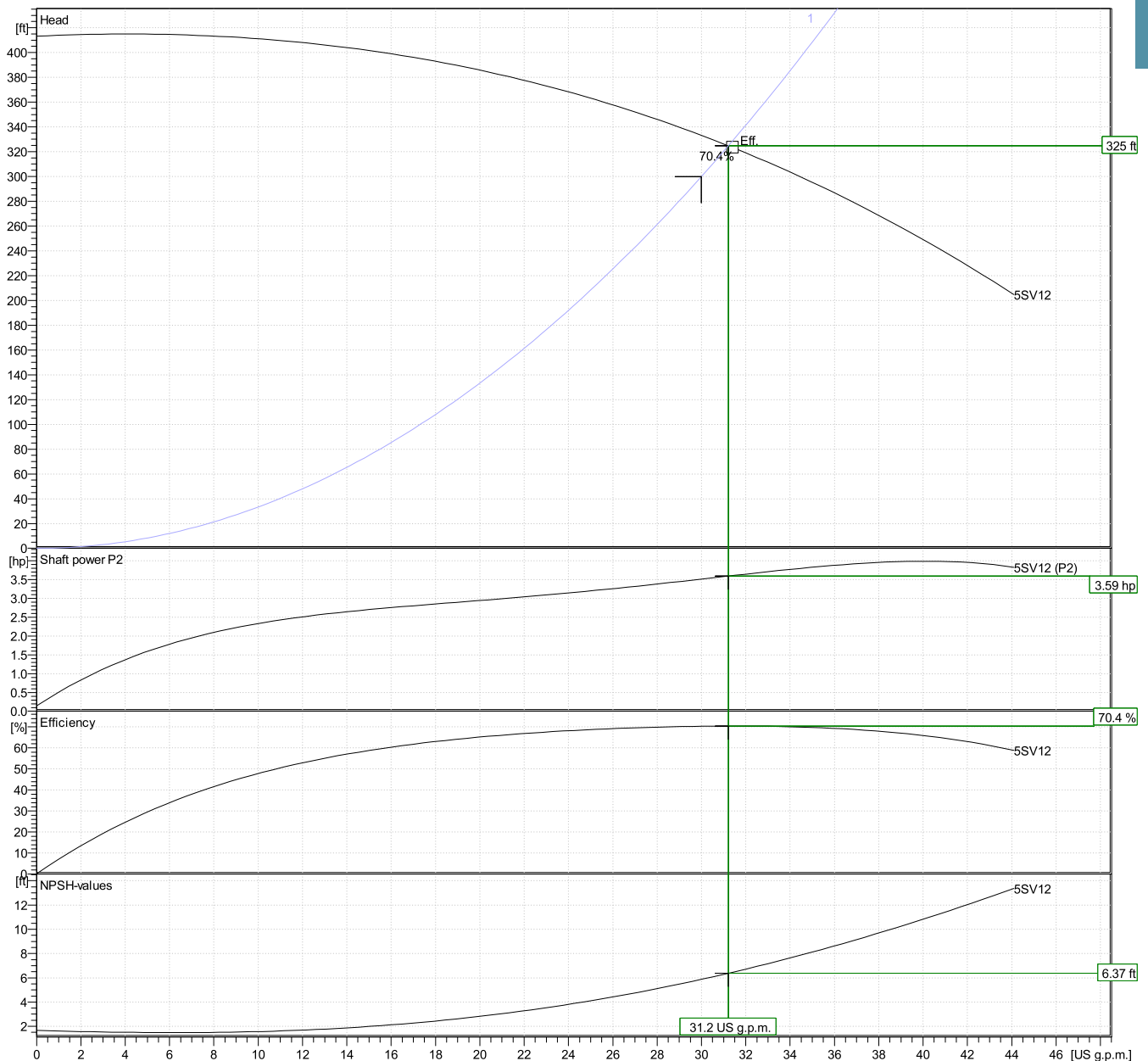
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Hydraulic Data

Operating Data Specification		Hydraulic data (duty point)		Impeller design	
Flow	30 US g.p.m.	Flow	31.2 US g.p.m.	Impeller R	"
Head	300 ft	Head	325 ft	Frequency	60 Hz
Static head	0 ft			Speed	3500 rpm

Power data referred to:
Water [100%] ; 39.2°F; 62.4lb/ft³; 1.69E-5ft²/s
Performance according to ISO 9906 - Annex A

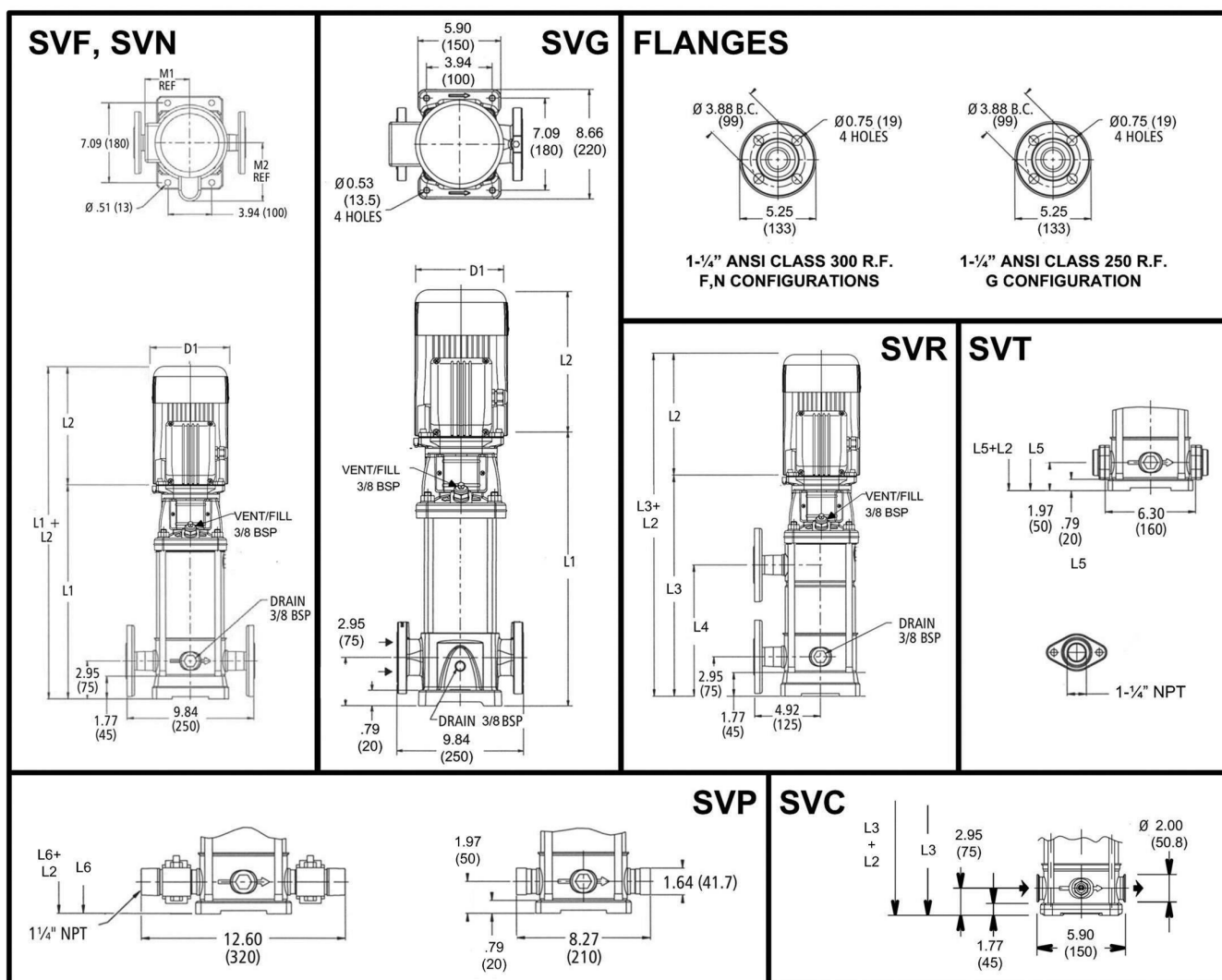


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Drawing



Dimensions inch

D1 max	8 1/2	NEMA Frame	184TC			Weight
D2	8 7/8					134 lb
L1	23 7/16					
L2	15 3/16					
L3	23 7/16					
L4	14 7/16					
L5	22 7/16					
L6	22 7/16					
M.Ref	6 7/8					