

Customer	Date 09.03.2020
Contact	Project
Phone number	Project no.
Email	

5SV9GF4C60

Operating data

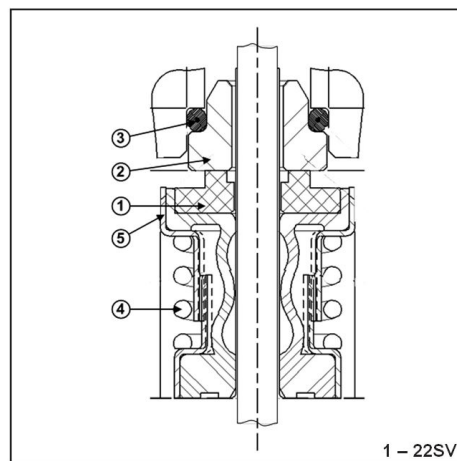
Pump type	Multi-Stage Pumps	Fluid	Water
No. of pumps / Reserve	1 / 0	Operating temperature t A	°F 39.2
Nominal flow	US g.p.m. 30	pH-value at t A	7
Nominal head	ft 220	Density at t A	lb/ft³ 62.4
Static head	ft 0	Kin. viscosity at t A	ft²/s 1.689E-5
Inlet pressure	psi 0	Vapor pressure at t A	psi 14.5
Environmental temperature	°F 68	Solids	0
Available system NPSH	ft 0	Altitude	ft 0

Pump data

Make	Goulds Water Technology	Nominal	US g.p.m. 31.5 (31.5)
Speed	rpm 3500	Max-	US g.p.m. 44.2
No. of stages	9	Min-	US g.p.m.
Max. working pressure	psi 134.4	Nominal	ft 242.1
Head H(Q=0)	ft 310	at Qmax	ft 152.3
Weight	lb 63	at Qmin	ft 309.9
Efficiency	% 70.37	Shaft power	hp 2.7 (2.7)
NPSH 3%	ft 6.5	Max. shaft power	hp 3

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	230 V	Speed	3450 rpm	Insulation class	F
Specific design	3ph TPE			Frame size	56C	Colour	RAL 5010
Type	230/460V 56C (V09A32F5BD2S)			Degree of protection	TEPE		
Rated power	3 hp	Electric current	7 A				

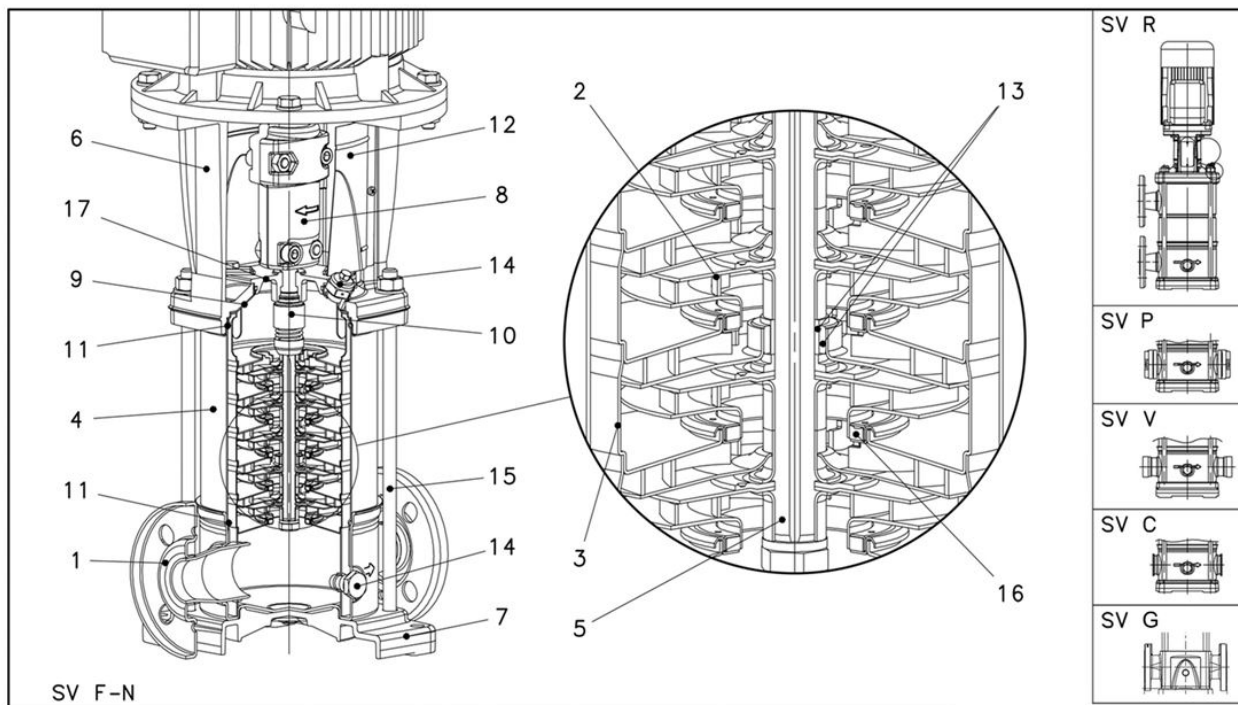
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Pump Materials

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)



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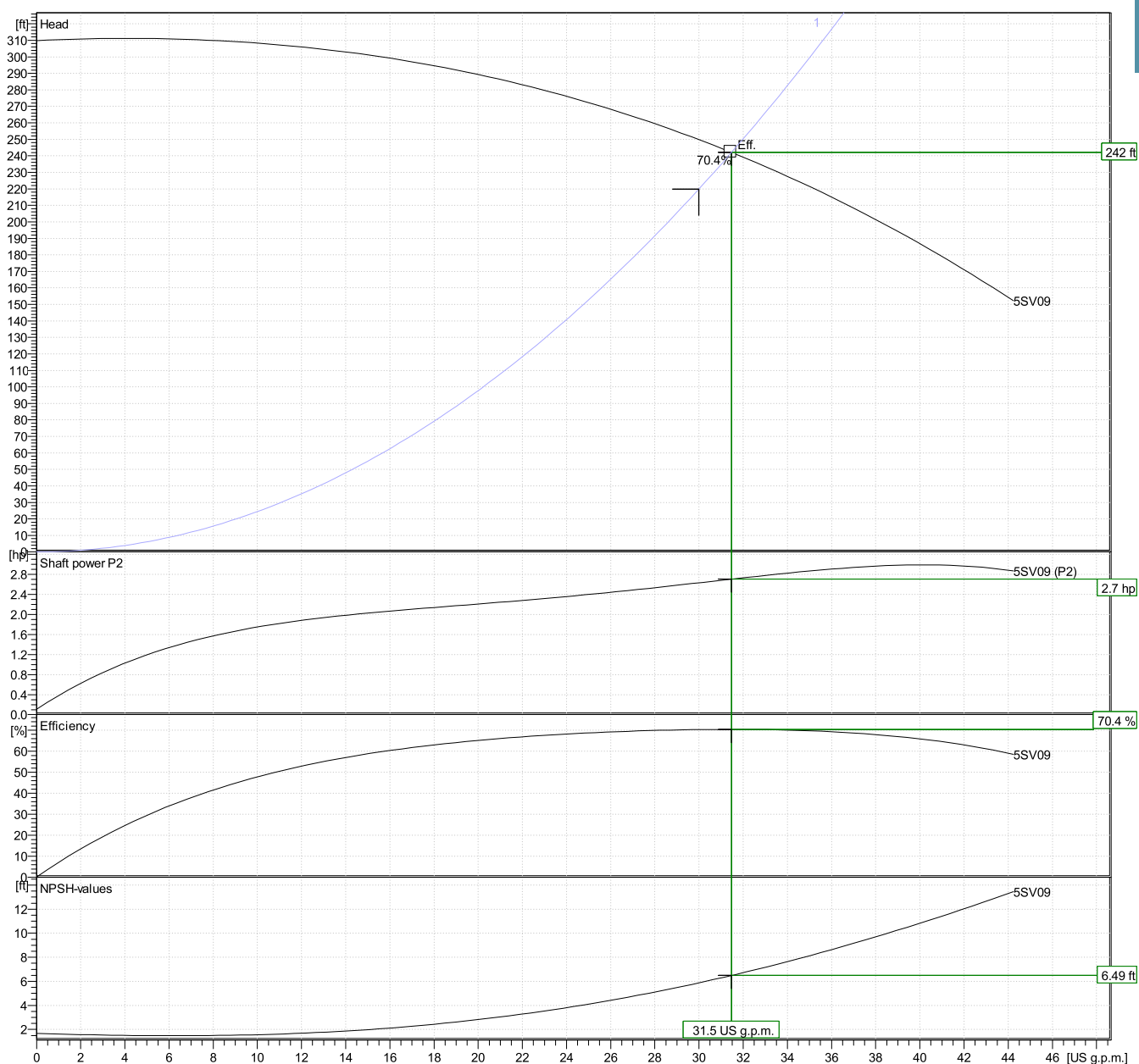
Hydraulic Data

Operating Data Specification		Hydraulic data (duty point)		Impeller design	
Flow	30 US g.p.m.	Flow	31.5 US g.p.m.	Impeller R	"
Head	220 ft	Head	242 ft	Frequency	60 Hz
Static head	0 ft			Speed	3500 rpm

Power datas referred to:

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

Performance according to ISO 9906 - Annex A

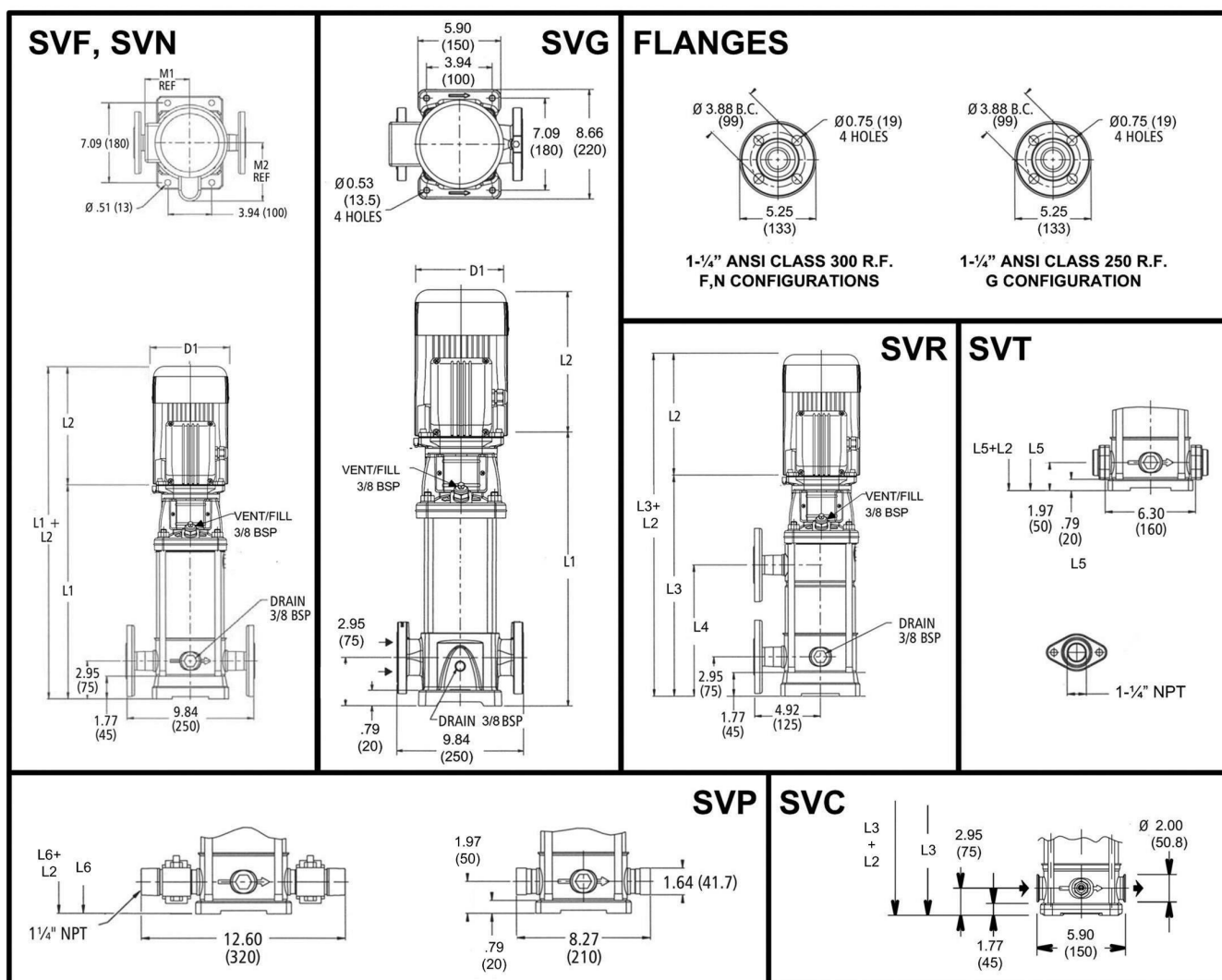


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Drawing



Dimensions inch

D1 max	7 ³ / ₁₆	NEMA Frame	182TC			Weight
D2	8 ⁷ / ₈					63.15 lb
L1	19 ³ / ₄					
L2	12 ⁷ / ₁₆					
L3	19 ³ / ₄					
L4	11 ¹ / ₂					
L5	18 ³ / ₄					
L6	18 ³ / ₄					
M.Ref	6 ¹⁵ / ₁₆					