GOULDS WATER TECHNOLOGY
a xylem brand

Technical Data

Customer	Date 13.03.2020
Contact	Project
Phone number	Project no.
Email	

1SV5FA4F60

Operating data

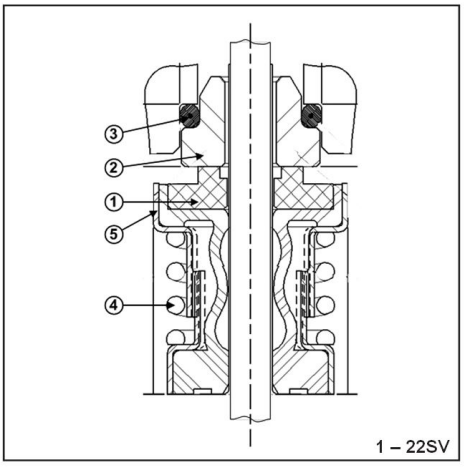
Pump type		Multi-Stage Pumps	Fluid		Water
No. of pumps / Reserve		1 / 0	Operating temperature t A	°F	39.2
Nominal flow	US g.p.m.	0	pH-value at t A		7
Nominal head	ft	0	Density at t A	lb/ft³	62.4
Static head	ft	0	Kin. viscosity at t A	ft²/s	1.689E-5
Inlet pressure	psi	0	Vapor pressure at t A	psi	14.5
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.	( )
Speed	rpm	3500	Flow	Max-	US g.p.m.	12.4
No. of stages		5		Min-	US g.p.m.	
Max. working pressure	psi	60.1		Nominal	ft	
Head H(Q=0)	ft	140	Head	at Qmax	ft	80.9
Weight	lb	48		at Qmin	ft	138.5
Efficiency	%		Shaft power		hp	( )
NPSH 3%	ft		Max. shaft power		hp	.6

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



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Motor data

Manufacturer	Baldor	Electric voltage	208 V	Speed	3500 rpm	Insulation class	F
Specific design	3ph TPE			Frame size	56C	Colour	RAL 5010
Type	208-230/460V 56C (V04A32E5BB3S)			Degree of protection	TEPE		
Rated power	0.5 hp	Electric current	1.6 A				

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Construction Data

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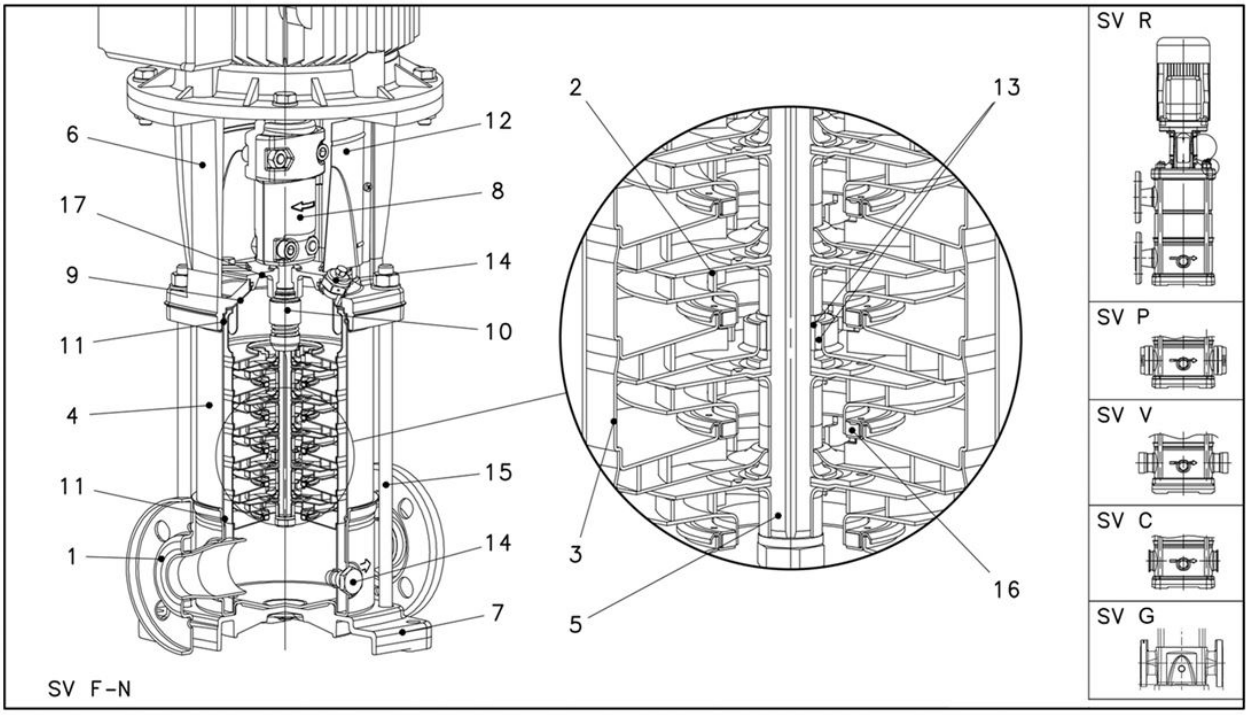
Pump Materials

1 - Pump Body	Stainless Steel (AISI 304)
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	Aluminum (A384.0-F)
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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Tender Hydraulic

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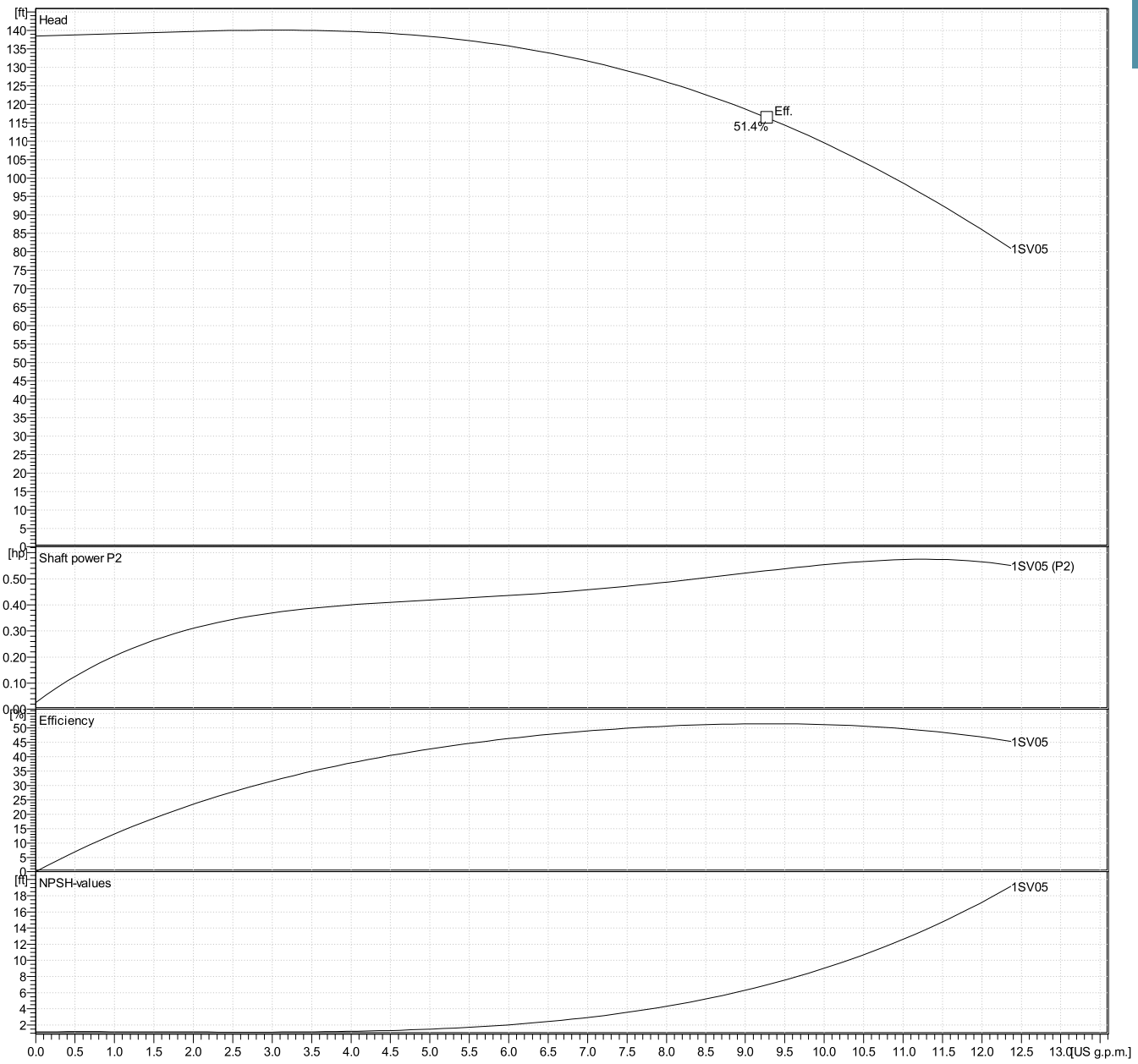
Hydraulic Data

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

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



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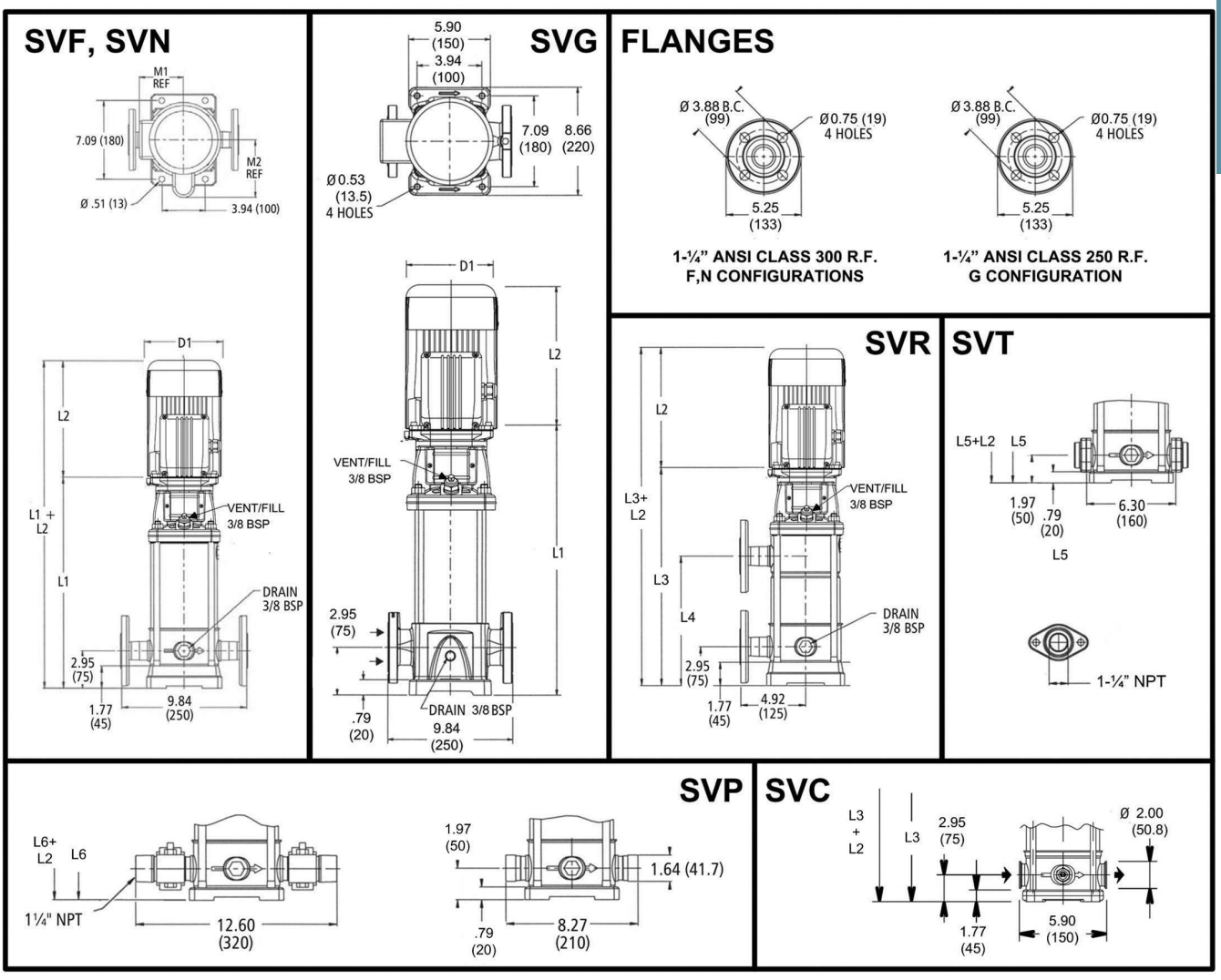
Drawing



Dimensions inch

D1 max	$7^{3}/_{16}$					Weight
D2	$6^{1}/_{2}$					48 lb
L1	$14^{7}/_{8}$					
L2	$10^{3}/_{16}$					
L5	$13^{7}/_{8}$					
L6	$13^{7}/_{8}$					
M.Ref	$6^{1}/_{2}$					
NEMA Frame	56C					