

Customer	Date 23.03.2020
Contact	Project
Phone number	Project no.
Email	

125SV10CGL4F60

Operating data

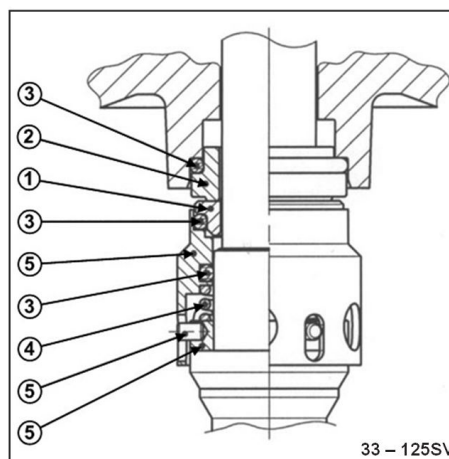
Pump type	Multi-Stage Pumps	Fluid	Water
No. of pumps / Reserve	1 / 0	Operating temperature t A	°F 39.2
Nominal flow	US g.p.m. 519.1	pH-value at t A	7
Nominal head	ft 83.01	Density at t A	lb/ft³ 62.4
Static head	ft 0	Kin. viscosity at t A	ft²/s 1.689E-5
Inlet pressure	psi 0	Vapor pressure at t A	psi 14.5
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. 518 (518)
Speed	rpm 3500	Max-	US g.p.m. 725
No. of stages	1	Min-	US g.p.m.
Max. working pressure	psi 57.1	Nominal	ft 82.7
Head H(Q=0)	ft 130	at Qmax	ft 55.3
Weight	lb 536	at Qmin	ft 131.6
Efficiency	% 66.79	Shaft power	hp 15.9 (15.9)
NPSH 3%	ft 22	Max. shaft power	hp 18

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	256TC	Colour	RAL 5010
Type	208-230/460V 256TC (V14A32E5BK2S)			Degree of protection	TEPE		
Rated power	20 hp	Electric current	50 A				

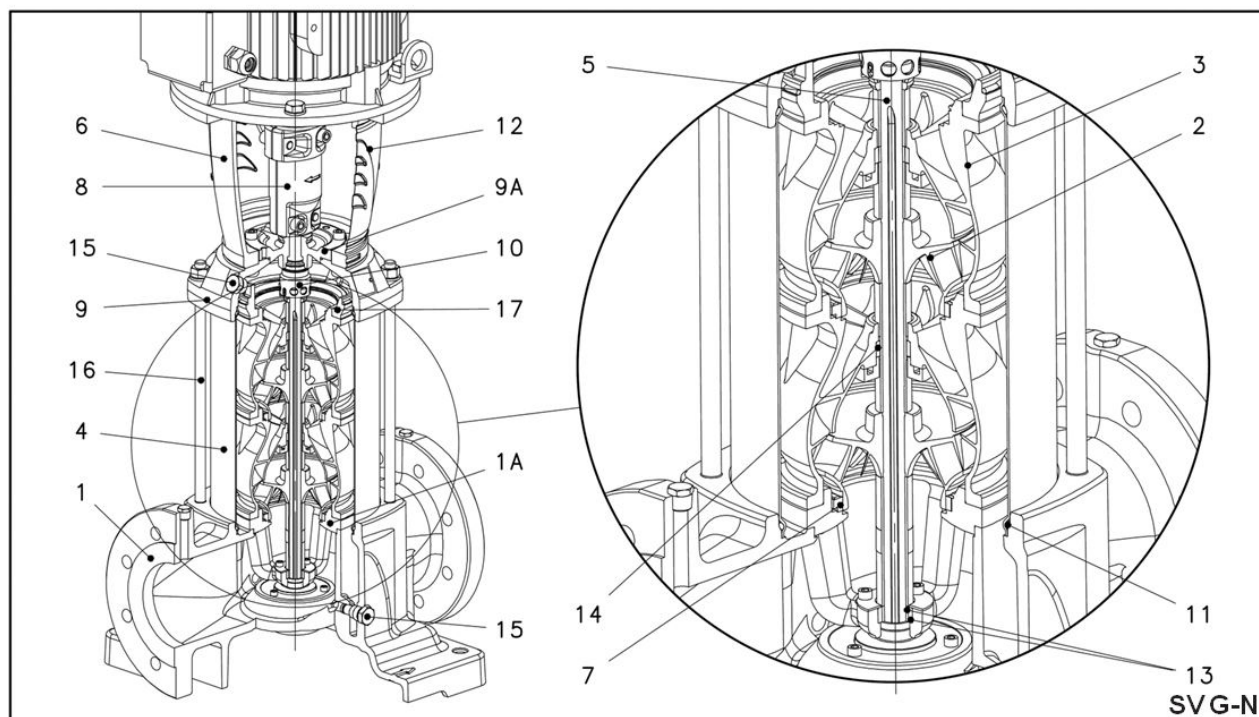
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Pump Materials

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	Duplex Stainless Steel (UNS S 31803)
6 - Adapter (up to 40HP)	Cast Iron (ASTM Class 25)
7 - Wear Ring	PPS
8 - Coupling (up to 40HP)	Cast Iron (A384 .0-F)
9 - Upper Head	Cast Iron (ASTM Class 35/40B)
9A - Seal Housing	Cast Iron (ASTM Class 35/40B)
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 - Bushing for Diffuser	Carbon
15 - Fill/Drain Plugs	Stainless Steel (AISI 316)
16 - Tie Rods	Carbon Steel / Zinc Plated (A29 Gr.1045)



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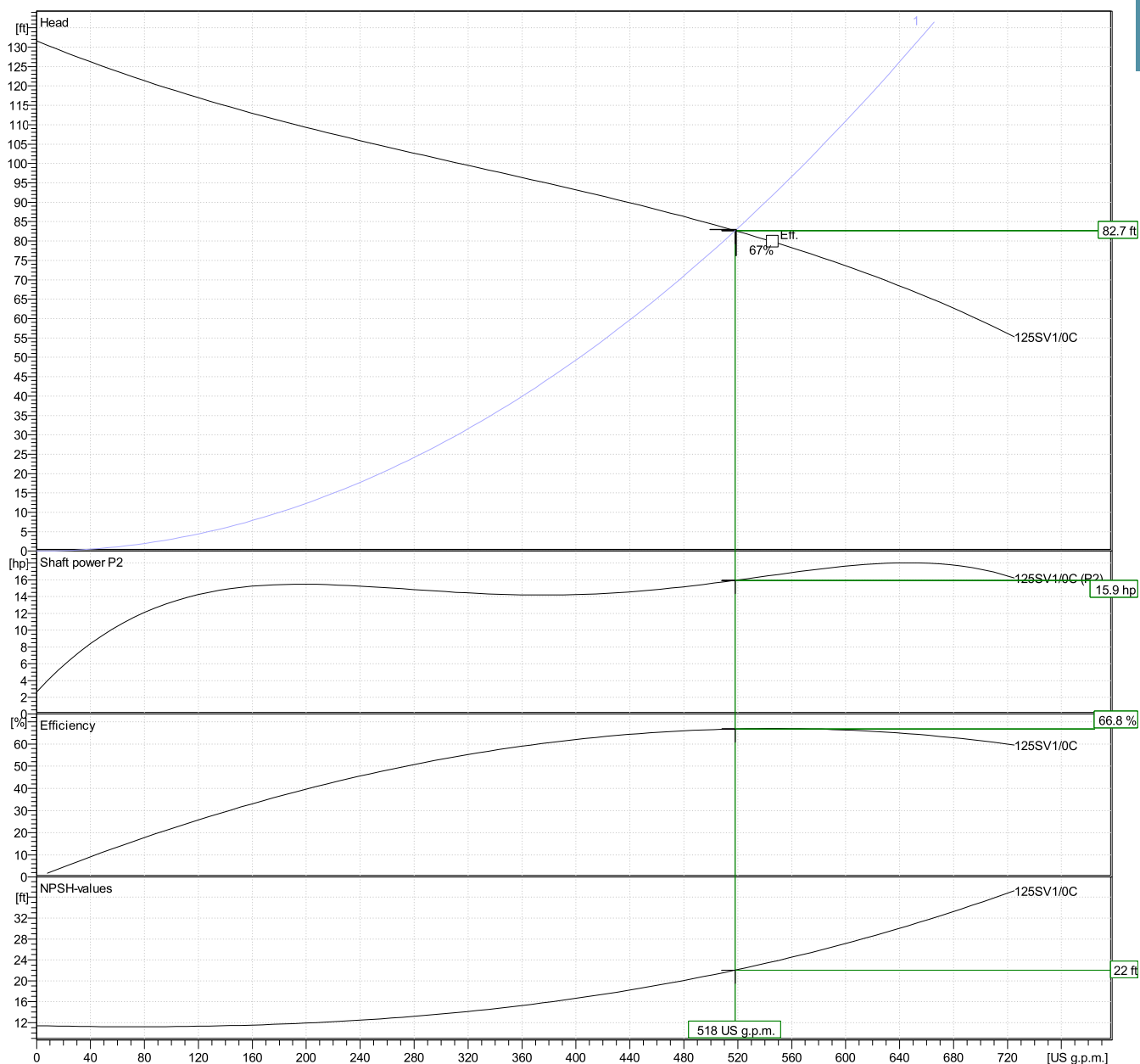
Hydraulic Data

Operating Data Specification		Hydraulic data (duty point)		Impeller design	
Flow	519 US g.p.m.	Flow	518 US g.p.m.	Impeller R	"
Head	83 ft	Head	82.7 ft	Frequency	60 Hz
Static head	0 ft			Speed	3500 rpm

Power data referenced to:

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

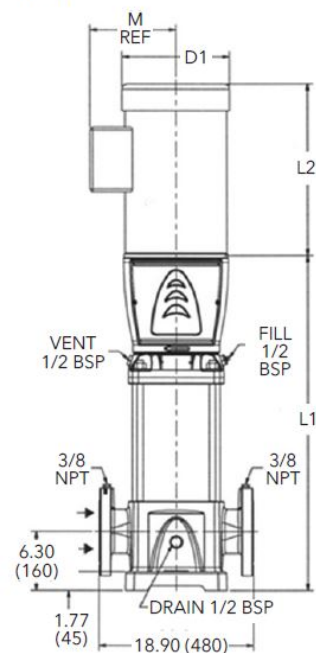
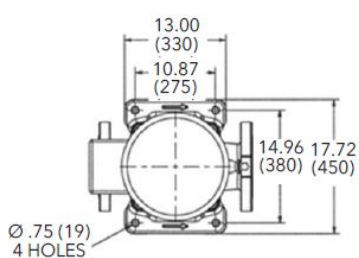
Performance according to ISO 9906 - Annex A



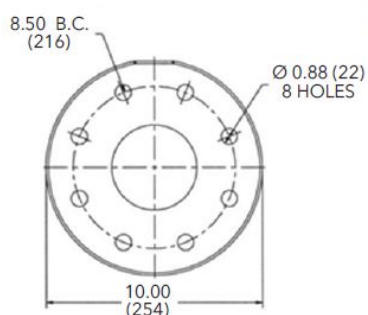
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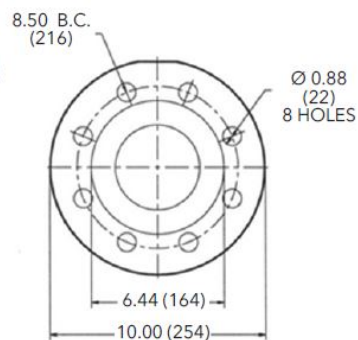
Drawing



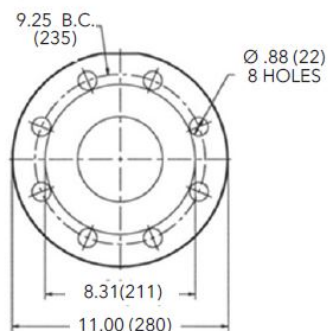
All dimensions are in inches (mm).



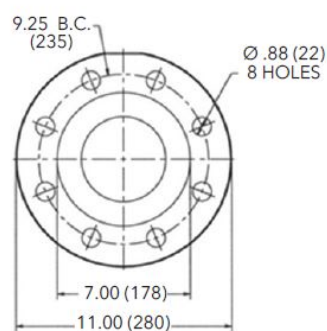
Cast Iron
5" Class 125 F.F.



316SS
5" Class 150 R.F.



Cast Iron
5" Class 250 R.F.



316SS
5" Class 300 R.F.

Dimensions inch

D1 max	13 ¹ / ₄					Weight
D2	9 ⁷ / ₁₆					536 lb
L1	27 ⁹ / ₁₆					
L2	19 ¹³ / ₁₆					
M.Ref	9 ¹ / ₂					
NEMA Frame	256TC					