

Customer	Date 23.03.2020
Contact	Project
Phone number	Project no.
Email	

125SV20CGN4F60

Operating data

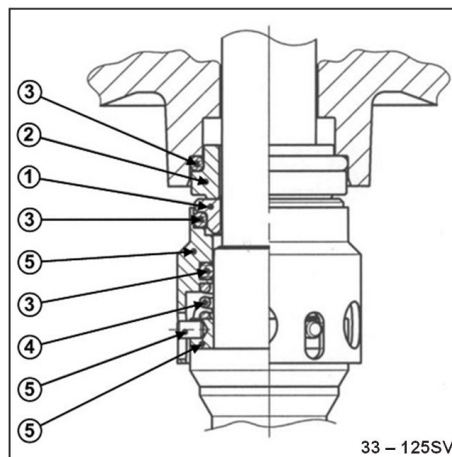
Pump type	Multi-Stage Pumps	Fluid	Water
No. of pumps / Reserve	1 / 0	Operating temperature t A	°F 39.2
Nominal flow	US g.p.m. 520	pH-value at t A	7
Nominal head	ft 164	Density at t A	lb/ft³ 62.4
Static head	ft 0	Kin. viscosity at t A	ft²/s 1.689E-5
Inlet pressure	psi 0	Vapor pressure at t A	psi 14.5
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. 521.1 (521.1)
Speed	rpm 3500	Max-	US g.p.m. 725
No. of stages	2	Min-	US g.p.m.
Max. working pressure	psi 114.2	Nominal	ft 164.7
Head H(Q=0)	ft 260	at Qmax	ft 110.6
Weight	lb 613	at Qmin	ft 263.3
Efficiency	% 66.85	Shaft power	hp 32 (32)
NPSH 3%	ft 22.2	Max. shaft power	hp 36.1

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	284TC	Colour	RAL 5010
Type	208-230/460V 284TC (V16A32E5BL2S)			Degree of protection	TEPE		
Rated power	30 hp	Electric current	76 A				

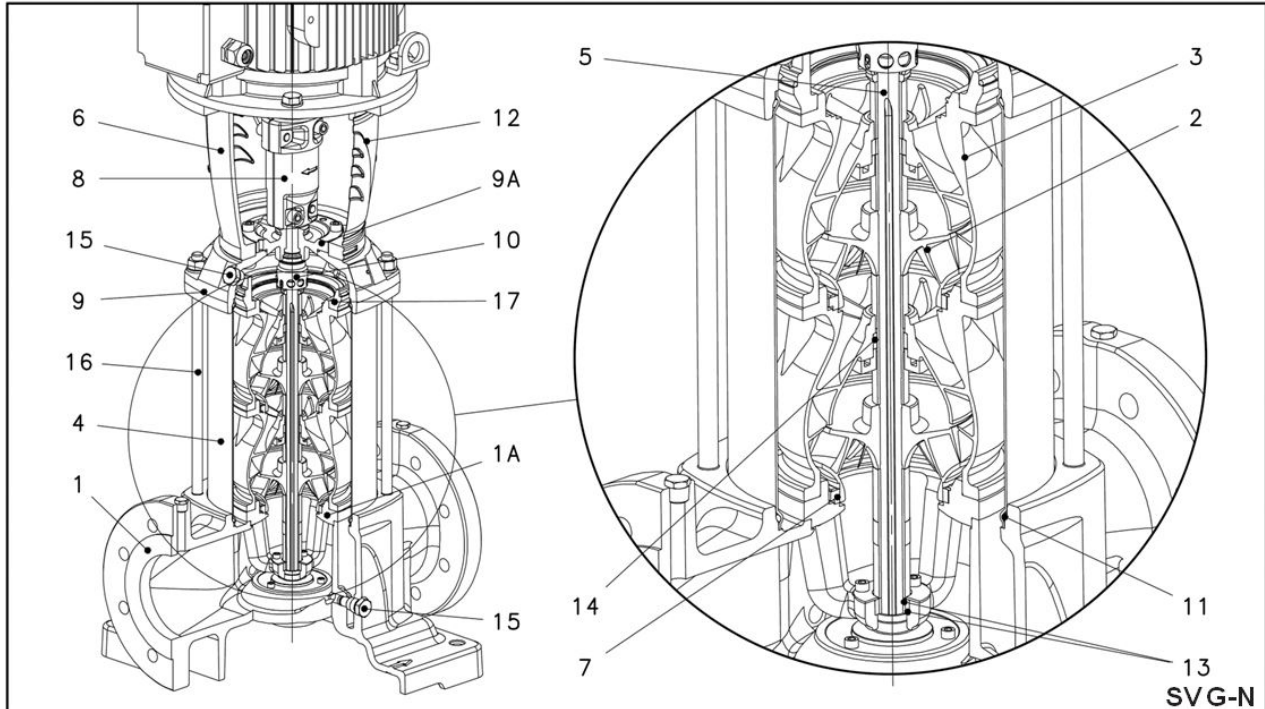
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Pump Materials

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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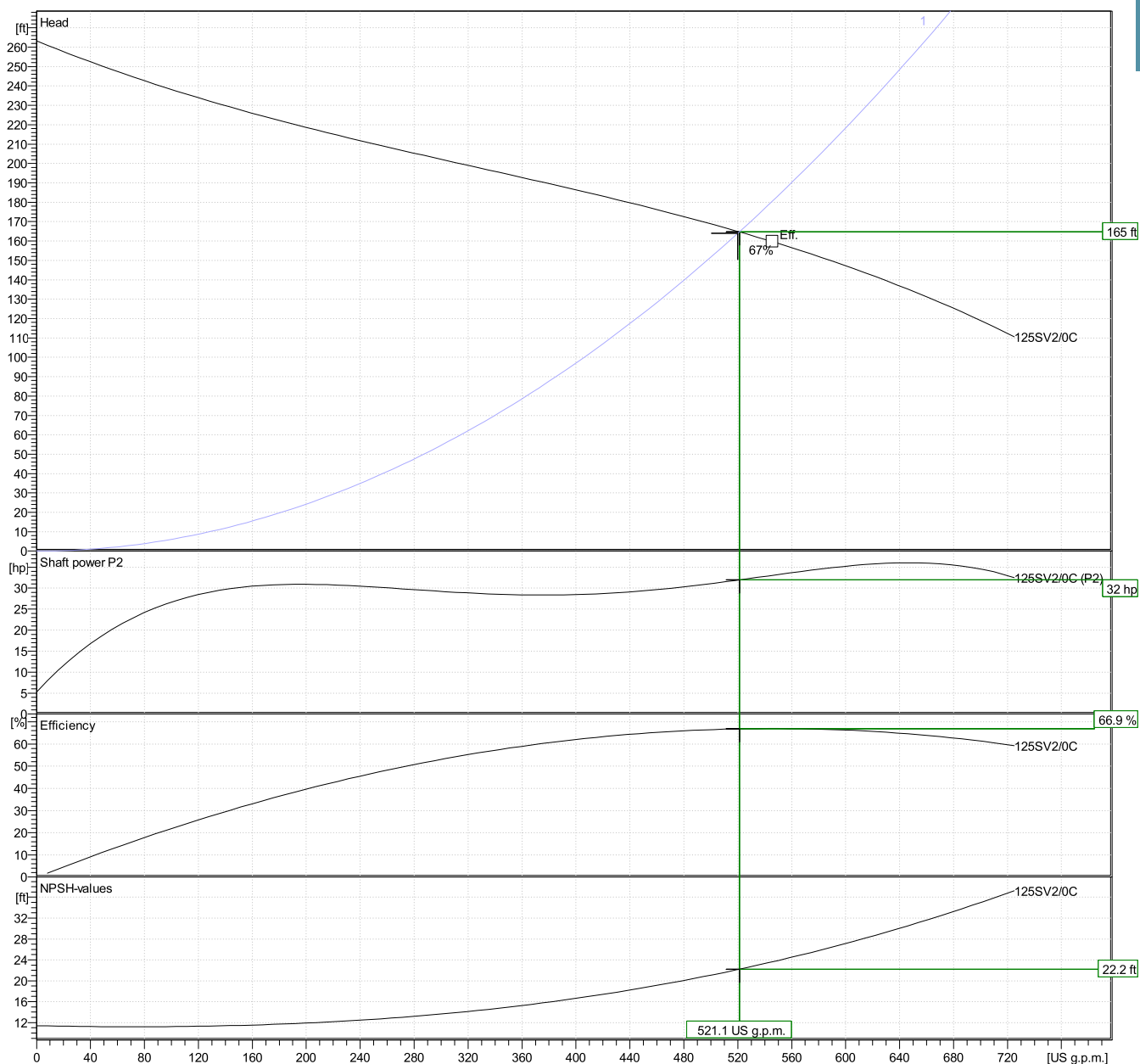
Hydraulic Data

Operating Data Specification		Hydraulic data (duty point)		Impeller design	
Flow	520 US g.p.m.	Flow	521 US g.p.m.	Impeller R	"
Head	164 ft	Head	165 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

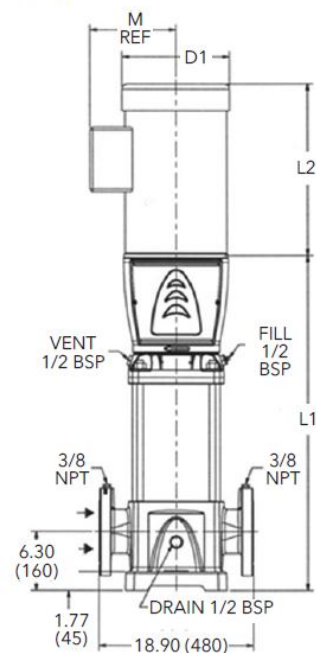
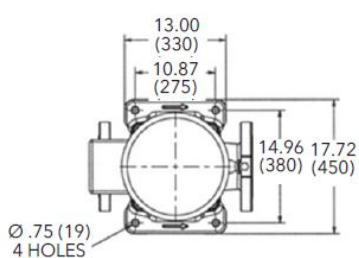
Performance according to ISO 9906 - Annex A



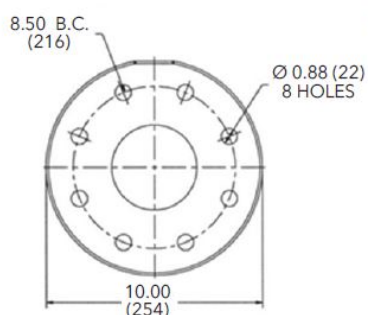
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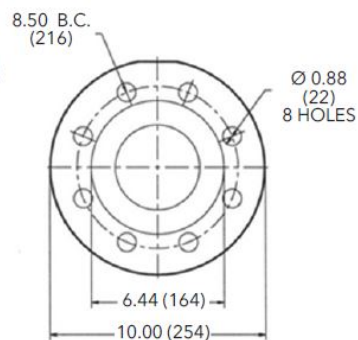
Drawing



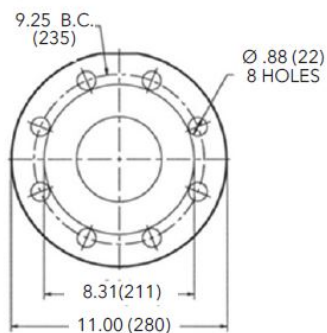
All dimensions are in inches (mm).



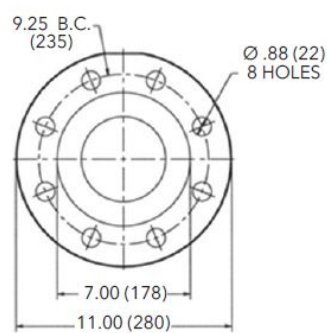
Cast Iron
5" Class 125 F.F.



316SS
5" Class 150 R.F.



Cast Iron
5" Class 250 R.F.



316SS
5" Class 300 R.F.

Dimensions inch

D1 max	15 ⁹ / ₁₆					Weight
D2	11 ¹ / ₄					613.01 lb
L1	34 ⁹ / ₁₆					
L2	22 ¹⁵ / ₁₆					
M.Ref	13 ¹ / ₈					
NEMA Frame	286TC					