

Customer	Date	20.03.2020
Contact	Project	
Phone number	Project no.	
Email		

125SV43BNR4F60

Operating data

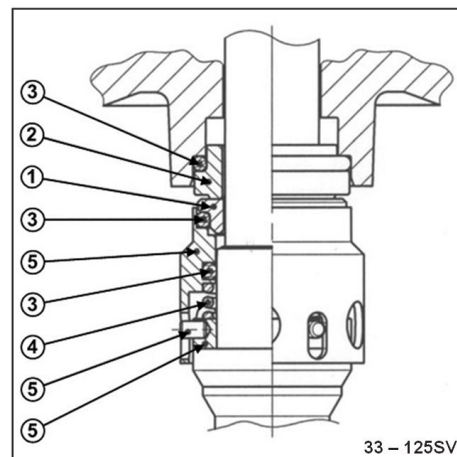
Pump type	Multi-Stage Pumps	Fluid	Water
No. of pumps / Reserve	1 / 0	Operating temperature t A	°F 39.2
Nominal flow	US g.p.m. 520	pH-value at t A	7
Nominal head	ft 317	Density at t A	lb/ft ³ 62.4
Static head	ft 0	Kin. viscosity at t A	ft ² /s 1.689E-5
Inlet pressure	psi 0	Vapor pressure at t A	psi 14.5
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 (521)
Speed	rpm 3500	Flow	Max- US g.p.m. 725
No. of stages	4		Min- US g.p.m.
Max. working pressure	psi 200.1	Nominal	ft 318.2
Head H(Q=0)	ft 460	Head	at Qmax ft 231.6
Weight	lb 987		at Qmin ft 461.4
Efficiency	% 76.02	Shaft power	hp 54.3 (54.3)
NPSH 3%	ft 22.2	Max. shaft power	hp 60

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	326TSC	Colour	RAL 5010
Type	208-230/460V 326TSC (X18A32E5BM2S)			Degree of protection	TEPE		
Rated power	50 hp	Electric current	124 A				

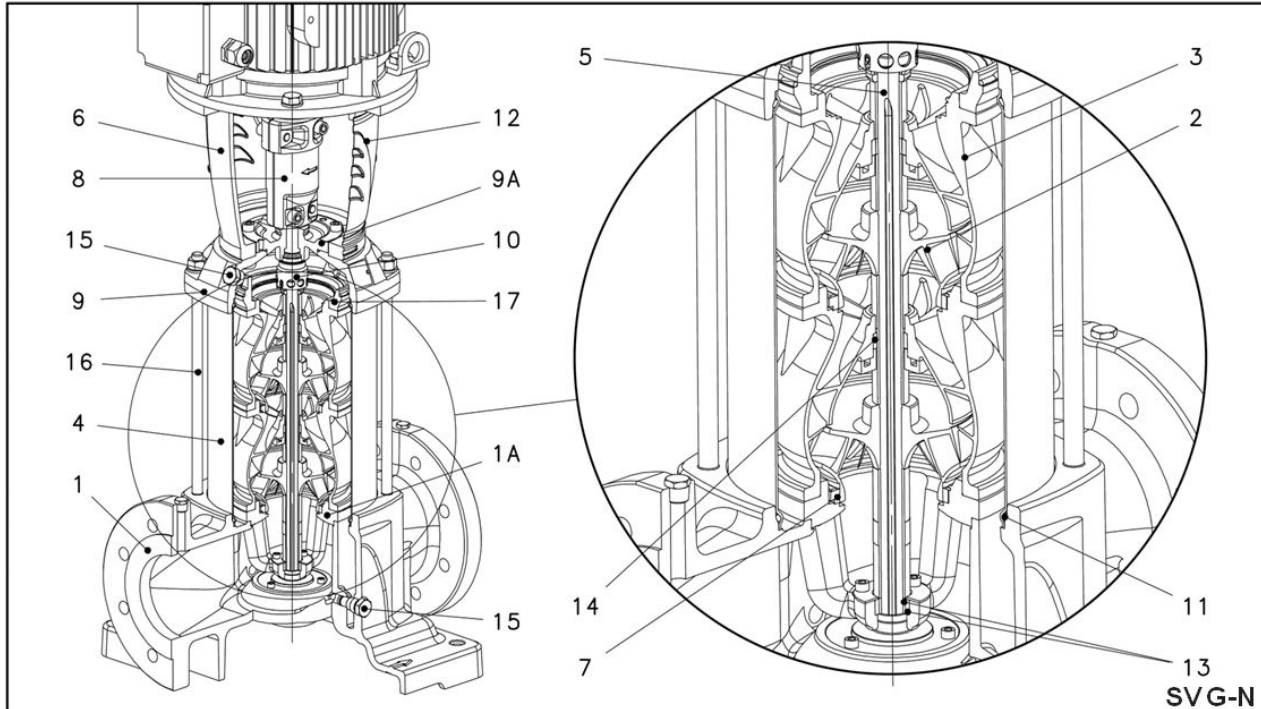
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Pump Materials

1 - Pump Body	Stainless Steel (AISI 316)
2 - Impeller	Stainless Steel (AISI 316)
3 - Diffuser	Stainless Steel (AISI 316)
4 - Casing	Stainless Steel (AISI 316L)
5 - Shaft	Duplex Stainless Steel (UNS S 31803) (ASTM Class A536)
6 - Adapter (50HP and higher)	PPS
7 - Wear Ring	PPS
8 - Coupling (50HP and higher)	N/A
9 - Upper Head	Stainless Steel (AISI 316)
9A - Seal Housing	Stainless Steel (AISI 316)
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)



Remarks:

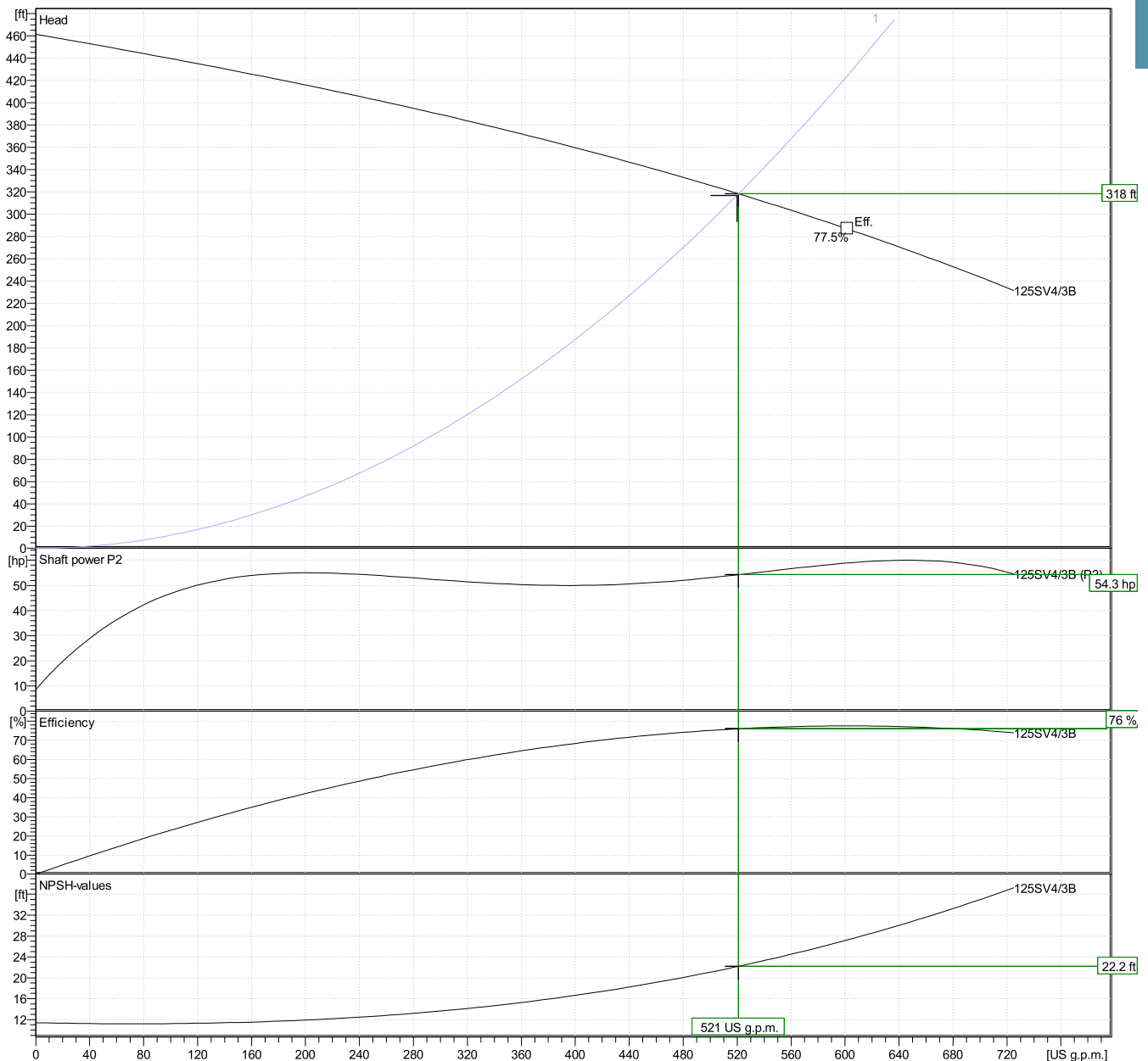
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Hydraulic Data

Operating Data Specification		Hydraulic data (duty point)		Impeller design	
Flow	520 US g.p.m.	Flow	521 US g.p.m.	Impeller R	"
Head	317 ft	Head	318 ft	Frequency	60 Hz
Static head	0 ft			Speed	3500 rpm

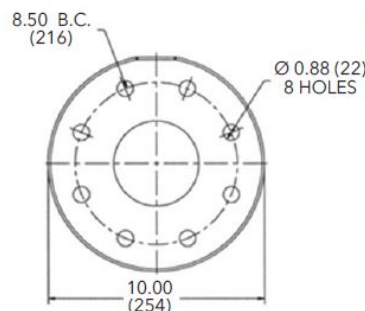
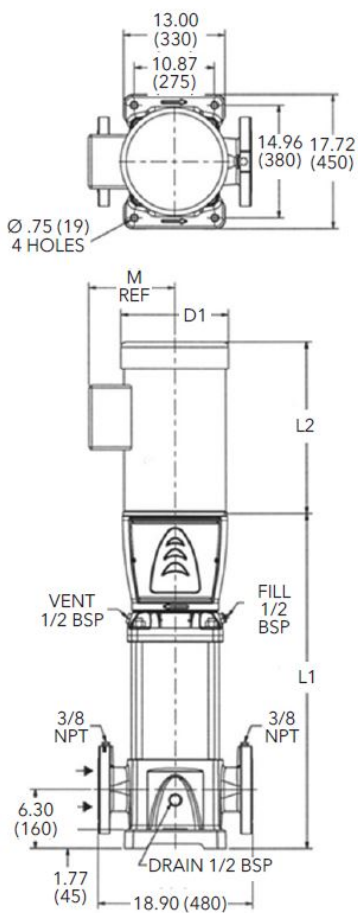
Power data referred to:
 Water [100%] ; 39.2°F; 62.4lb/ft³; 1.69E-5ft²/s
 Performance according to ISO 9906 - Annex A



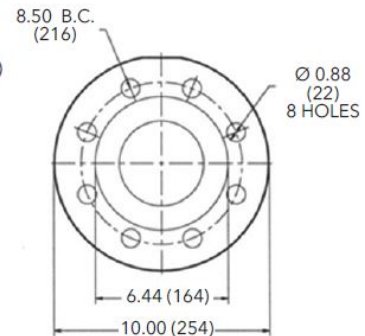
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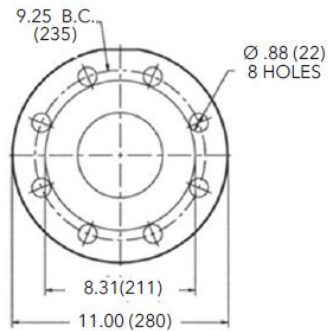
Drawing



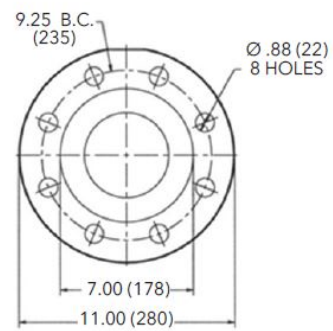
Cast Iron
5\"/>



316SS
5\"/>



Cast Iron
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316SS
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All dimensions are in inches (mm).

Dimensions inch

D1 max	16 ⁷ / ₈					Weight 987.01 lb
D2	13 ³ / ₈					
L1	46 ³ / ₈					
L2	27 ¹³ / ₁₆					
M.Ref	14 ¹ / ₈					
NEMA Frame	326TSC					