

Customer	Date	24.06.2021
Contact	Project	
Phone number	Project no.	
Email		

HVL4D2-3SV14GF4F60-G

Operating data

Pumpe type	Single-/Multi-pump set	Fluid	Water
No. of pumps / Standby pump	4 / 0	Operating temperature t A	°F 39.2
Nominal flow	US g.p.m. 0		
Nominal head	ft 0		
Static head	ft 0		
Inlet pressure	psi 0		
Environmental temperature	°F 68		
Available system NPSH	ft 0		

Pump data

Make	Goulds	Nominal	US g.p.m.	()
Speed	rpm 3500	Flow	Max-	US g.p.m. 22.9
No. of stages	1		Min-	US g.p.m.
Max. casing pressure	psi		Nominal	ft
Max. working pressure	psi 209.5	Head	at Qmax	ft 243
Head H(Q=0)	ft 480		at Qmin	ft 483.1
Weight	lb 797	Shaft power	hp	()
Communication Protocol	None Selected	Max. shaft power	hp	12.3
		Efficiency	%	
		NPSH 3%	ft	

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 - Coupling Guard	Stainless Steel (AISI 304)
11 - Shaft Sleeve and Bushing	Tungsten carbide
12 - Fill/Drain Plugs	Stainless Steel (AISI 316)
13 - Tie Rods	Carbon Steel / Zinc Plated (A29 Gr. 1045)
14 - Wear Ring	PPS
15 - Seal Gland	Stainless Steel (AISI 316)

Shaft Seal

1 - Rotating Face	Carbon
2 - Stationary Face	Silicon Carbide Graphite Filled
3 - Elastomers	Viton
4 - Spring	316SS
5 - Metal Components	316SS

Motor data

Specific design	3ph TEPE (eHV)		
Type	V09A32F5BD2S	Electric voltage	460 V
Rated power	3 hp	Electric current	0 A
Speed	3500 rpm	Degree of protection	IP 55
Frame size	56C	Insulation class	B



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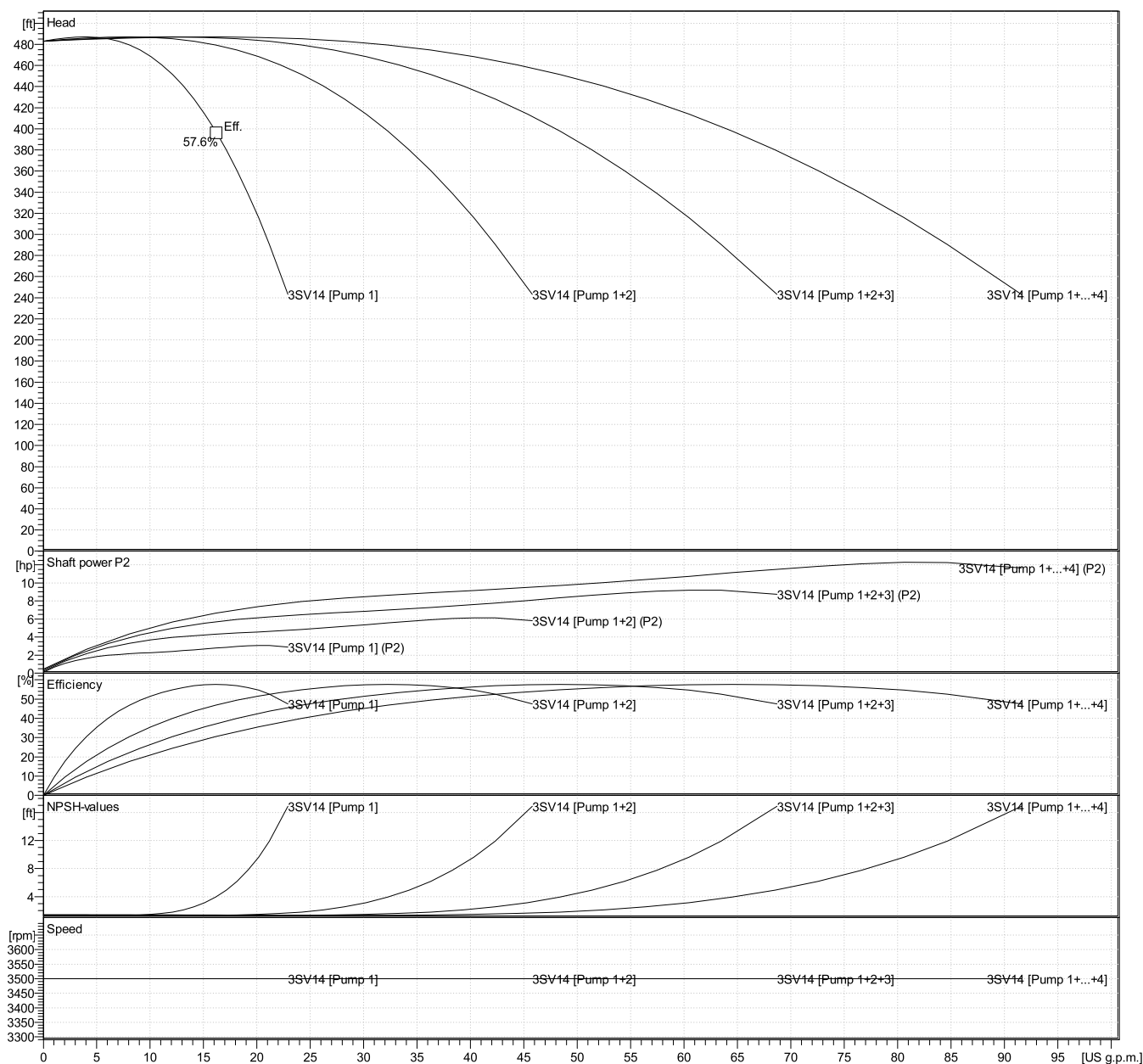
Hydraulic Data

Operating Data Specification		Hydraulic data (duty point)		Impeller design	
Flow	0 US g.p.m.	Flow		Impeller R	0 inch
Head	0 ft	Head		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 ANSI/HI 14.6 - Grade 2B

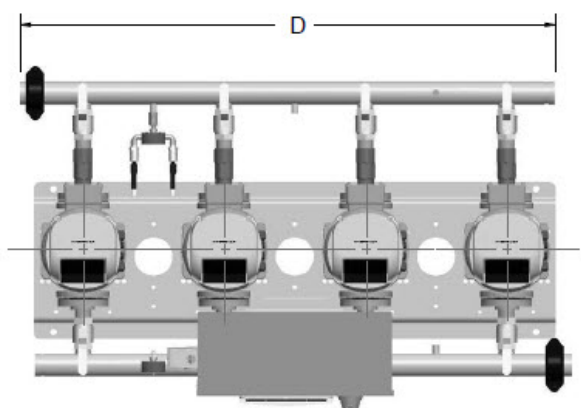




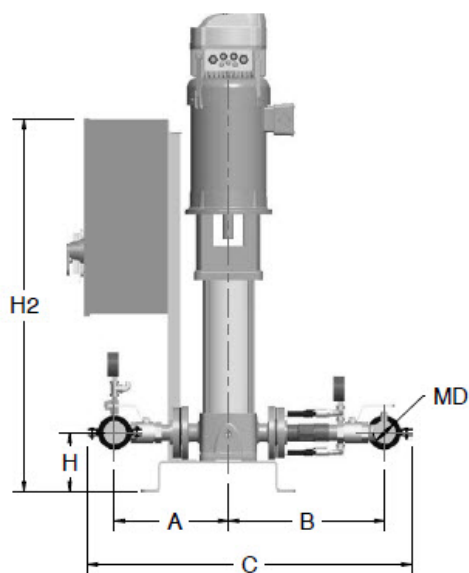
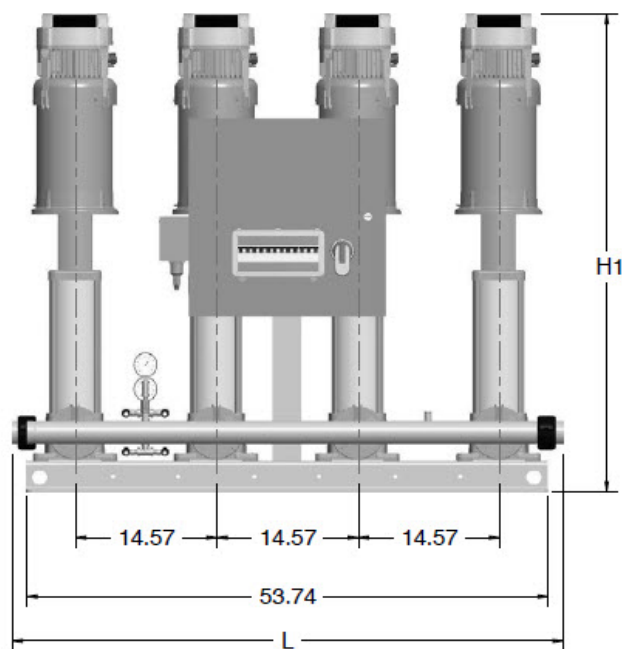
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Drawing



TechnoForce e-HV Dimensions 3SV



Di inch

A	11 ³ / ₄					Weight
B	16 ¹ / ₁₆					797 lb
C	33 ¹ / ₂					
D	55 ³ / ₁₆					
H	6 ¹ / ₈					
H1	44 ³ / ₈					
H2	33 ⁵ / ₁₆					
L	56 ¹³ / ₁₆					
MD	2					