

125SV2/2AG2206T/D

Technical data

Company name
Contact
Phone number
e-mail address

Operating data

Pump type	Single head pump	Fluid	Water
Available system NPSH	ft 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/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
		Altitude	ft 0

Pump data

Make	Lowara	Nominal	US g.p.m. ()
Speed	rpm 3500	Max-	US g.p.m. 704.5
Number of stages	2	Min-	US g.p.m.
Max. casing pressure	psi	Nominal	ft
Max. working pressure	psi 103.9	Head at Qmax	ft 120.9
Head H(Q=0)	ft 240	Head at Qmin	ft 239.7
Weight	lb 558	Shaft power	hp ()
	Max. inch 5 1/2	Max. shaft power	hp 29.1
Impeller R	designed inch 5 1/2	Efficiency	%
	Min. inch 5 1/2	NPSH 3%	ft

Pump Materials

Pump body	Cast iron
Lower support	Stainless steel / AISI 304
Impeller	Stainless steel / AISI 304
Diffuser	Stainless steel / AISI 304
Outer sleeve	Stainless steel / AISI 431
Shaft	Stainless steel / AISI 431
Adapter	Cast Iron
Wear ring	Technopolymer PPS
Coupling	Cast Iron
Upper head	Cast iron
SEAL HOUSING	Cast iron
Coupling protection	Stainless steel / AISI 304
Shaft sleeve and bushing	Tungsten carbide
Bushing for diffuser	Carbon
Fill / drain plugs	Stainless steel / AISI 316

Shaft Seal

e-SV Mechanical seal	Roten
e-SV - Uniten (-30 / +120 °C)	
1 - Rotating part	Silicon Carbide
2 - Stationary part	Resin impregnated carbon
3 - Elastomers	EPDM
4 - Springs	AISI 316
5 - Other components	AISI 316

Motor data

Manufacturer	Lowara	Electric voltage	220 V	Speed	3546 rpm	Insulation class	F
Specific design	IE3 3ph Flange Motor - Premium Efficiency			Frame size	180 M	Colour	RAL 5010
Type	PLM 180R B5 22 kW						
Rated power	29.502 hp	Degree of protection IP55					
Electric current	72.9 A						

Remarks:

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Performance curve

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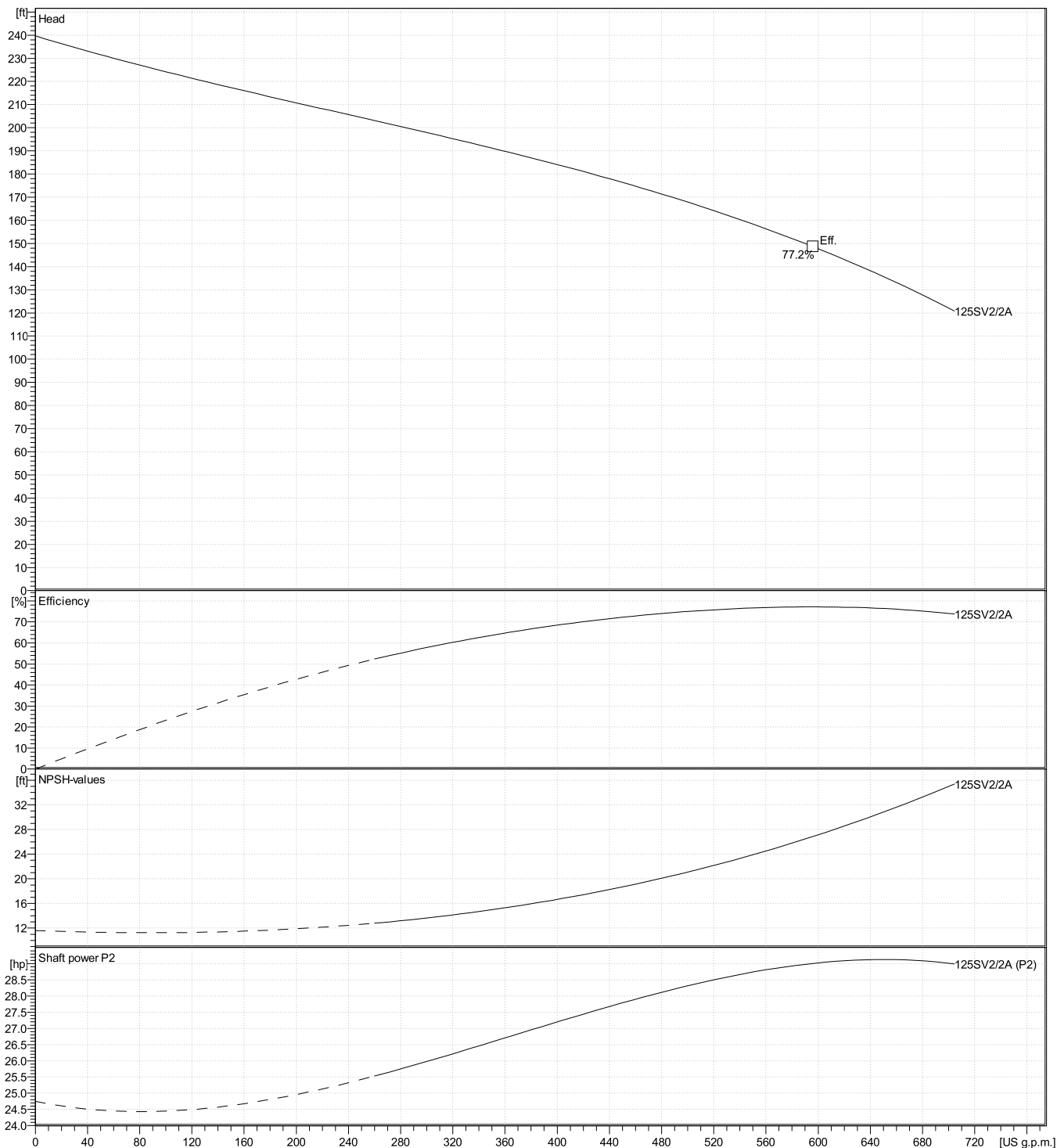
Hydraulic data

Operating Data Specification	Hydraulic data (duty point)	Impeller design
Flow 0 US g.p.m.	Flow	Impeller R 5 1/2 inch
Head 0 ft	Head	Frequency 60 Hz
Static head 0 ft	MEI ---	Speed 3500 rpm

Power datas referred to:

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

Performance according to ISO 9906:2012 – Grade 3B



Project Xylect-20142397
Block 125SV2/2AG2206T/D

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Program version
75.0 - 06/11/2024 (Build 274)

Data version
15/12/2024 18:59

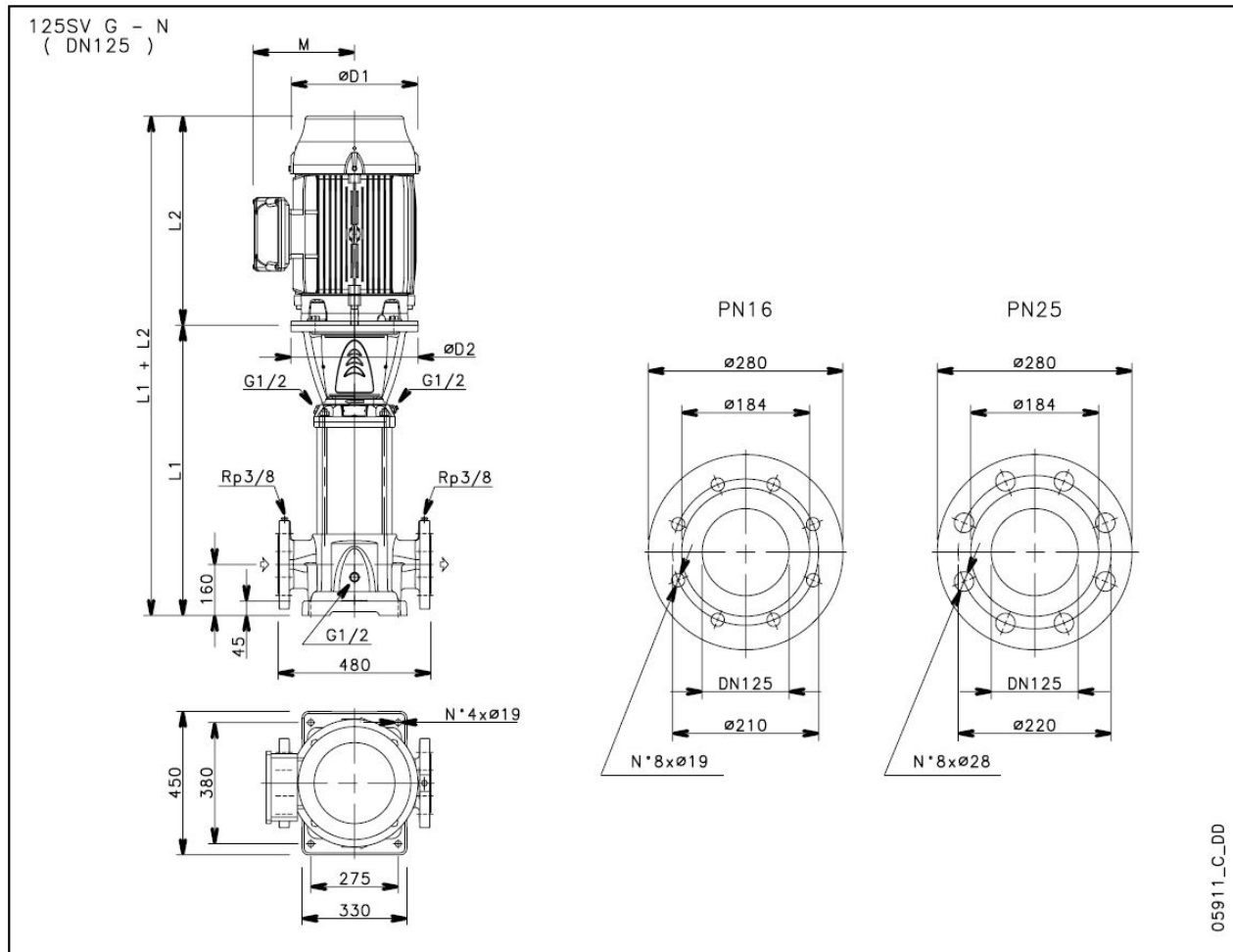
User group(s)
Xylem: United Kingdom - EXT

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Dimensions

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Drawing



Dimensions inch

Electrical and dimensional data refer to IE3 motor

D1	12 ⁵ / ₁₆					Weight
D2	13 ³ / ₄					600 lb
L1	34 ⁹ / ₁₆					
L2	19 ⁷ / ₁₆					
M	9 ⁷ / ₁₆					