

125SV2G0224T/D

Technical data

Company name
Contact
Phone number
e-mail address

Operating data

Pump type	Single head pump	Fluid	Water
Available system NPSH	m 0	Operating temperature t A	°C 4
Nominal flow	m ³ /h 0	pH-value at t A	7
Nominal head	m 0	Density at t A	kg/m ³ 1000
Static head	m 0	Kin. viscosity at t A	mm ² /s 1.569
Inlet pressure	kPa 0	Vapor pressure at t A	kPa 100
Environmental temperature	°C 20	Solids	0
		Altitude	m 0

Pump data

Make	Lowara	Nominal	m ³ /h ()
Speed	rpm 1450	Flow	Max- m ³ /h 80
Number of stages	2		Min- m ³ /h
Max. casing pressure	kPa	Nominal	m
Max. working pressure	kPa 132	Head	at Qmax m 4.9
Head H(Q=0)	m 13		at Qmin m 13.5
Weight	kg 150	Shaft power	kW ()
	Max. mm 145	Max. shaft power	kW 1.7
Impeller R	designed mm 145	Efficiency	%
	Min. mm 145	NPSH 3%	m

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 - Uiten (-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	230 V	Speed	1445 rpm	Insulation class	F
Specific design	IE3 3ph Flange Motor			Frame size	100 L	Colour	RAL 5010
Type	PLM 100 B14 2,2 kW						
Rated power	2.2 kW	Degree of protection	IP55				
Electric current	8.04 A						

Remarks:

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Performance curve

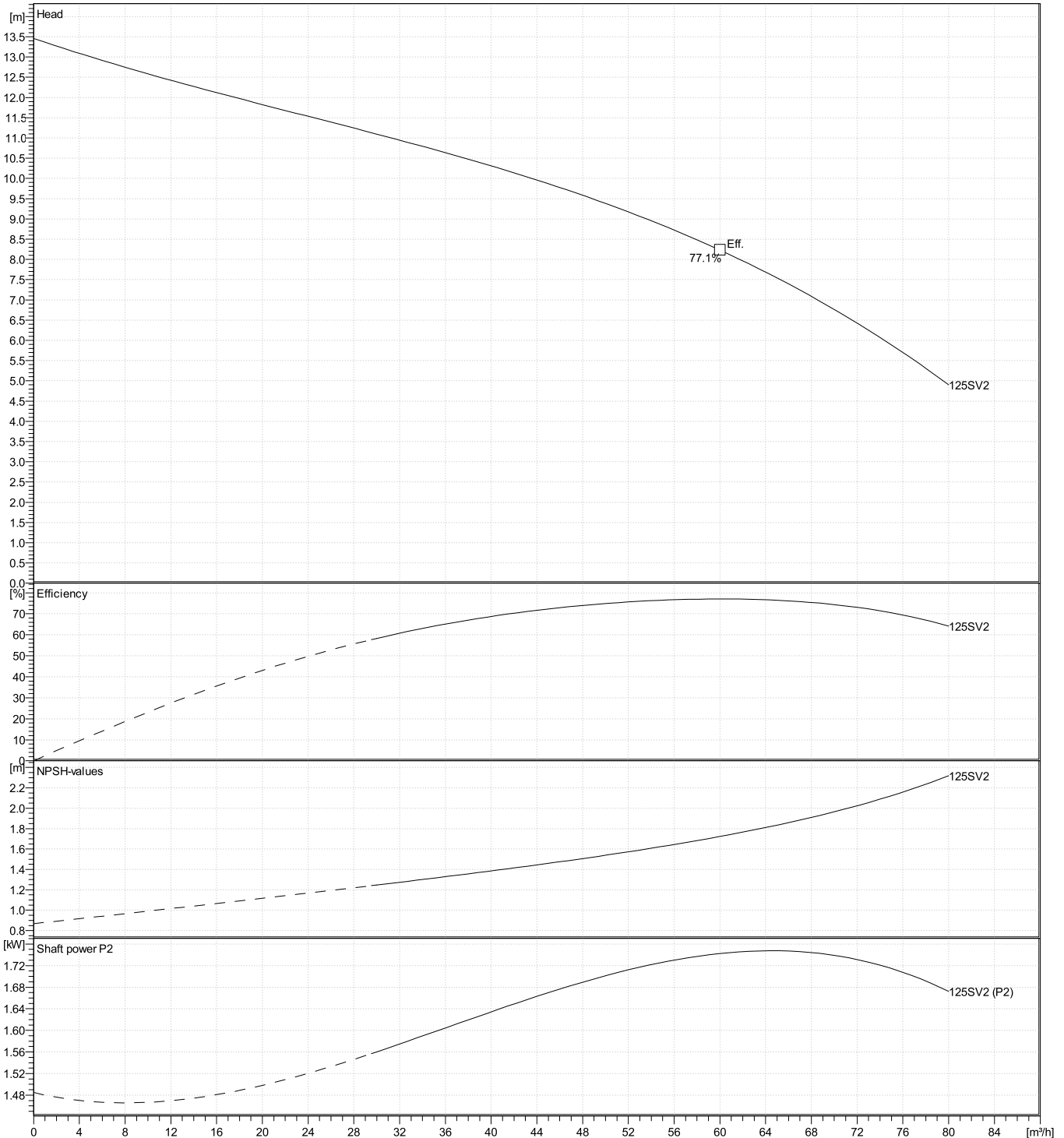
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Hydraulic data

Operating Data Specification		Hydraulic data (duty point)		Impeller design	
Flow	0 m ³ /h	Flow		Impeller R	145 mm
Head	0 m	Head		Frequency	50 Hz
Static head	0 m	MEI	---	Speed	1450 rpm

Power datas referred to:

Water [100%] ; 4°C; 1000kg/m³; 1.57mm²/s
Performance according to ISO 9906:2012 – Grade 3B

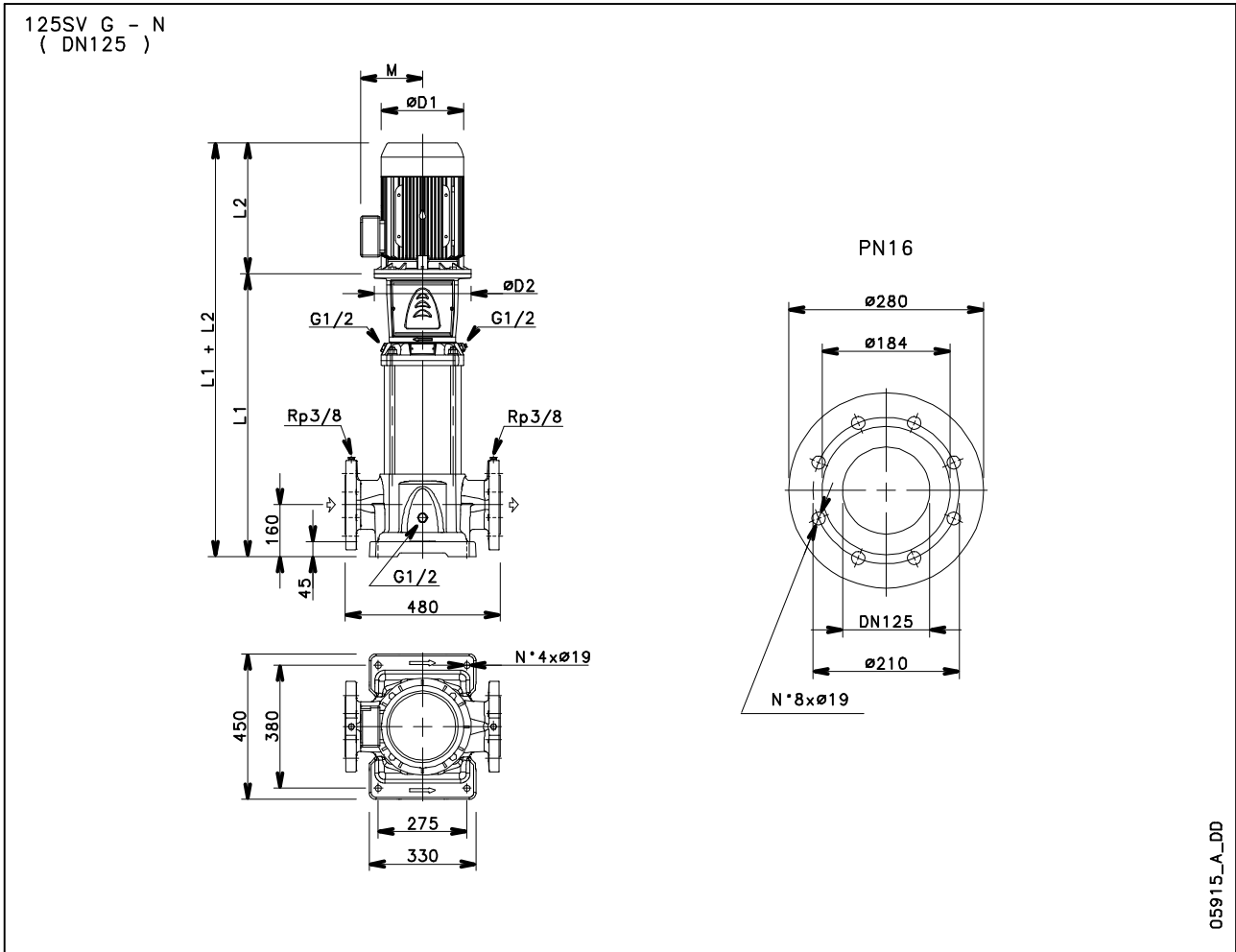


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Dimensions

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Drawing



05915_A_DD

Dimensions mm

Electrical and dimensional data refer to IE3 motor

D1	214					Weight 100 kg
D2	160					
L1	823					
L2	322					
M	168					