

## 125SV8G15046T/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 <sup>3</sup> 62.4
Static head	ft 0	Kin. viscosity at t A	ft <sup>2</sup> /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 1750	Flow	Max- US g.p.m. 396.3
Number of stages	8		Min- US g.p.m.
Max. casing pressure	psi	Nominal	ft
Max. working pressure	psi 111.4	Head	at Qmax ft 114
Head H(Q=0)	ft 260		at Qmin ft 257
Weight	lb 731	Shaft power	hp ( )
	Max. inch 5 11/16	Max. shaft power	hp 16.5
Impeller R	designed inch 5 11/16	Efficiency	%
	Min. inch 5 11/16	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	1764 rpm	Insulation class	F
Specific design	IE3 3ph Flange Motor - Premium Efficiency			Frame size	160 L	Colour	RAL 5010
Type	PLM 160 B5 15 kW						
Rated power	20.115 hp	Degree of protection	IP55				
Electric current	51.8 A						

#### Remarks:

# 125SV8G15046T/D

## Performance curve

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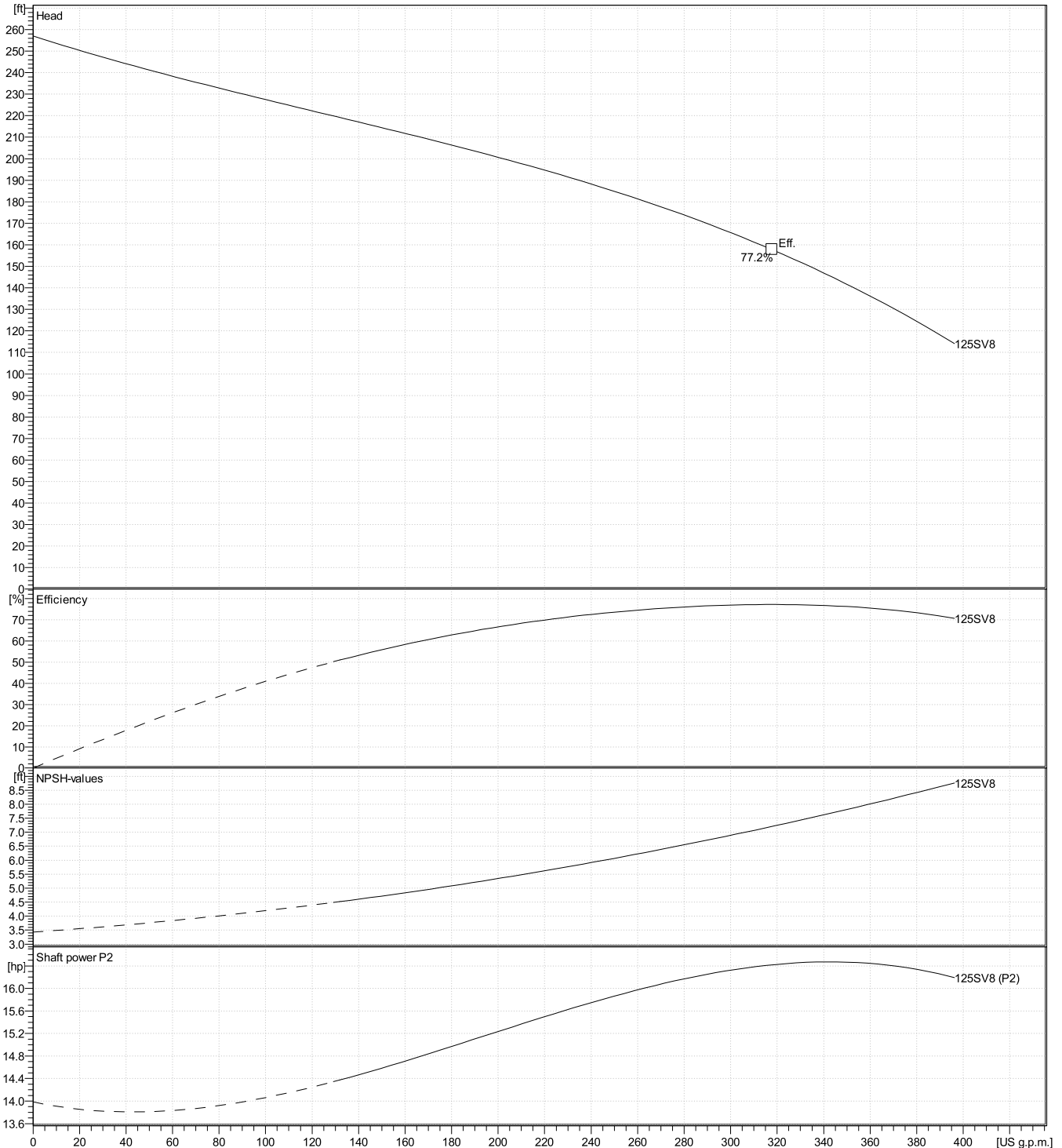
### Hydraulic data

Operating Data Specification		Hydraulic data (duty point)		Impeller design	
Flow	0 US g.p.m.	Flow		Impeller R	5 11/16 inch
Head	0 ft	Head		Frequency	60 Hz
Static head	0 ft	MEI	---	Speed	1750 rpm

**Power datas referred to:**

Water [100%] ; 39.2°F; 62.4lb/ft<sup>3</sup>; 1.69E-5ft<sup>2</sup>/s

Performance according to ISO 9906:2012 – Grade 3B

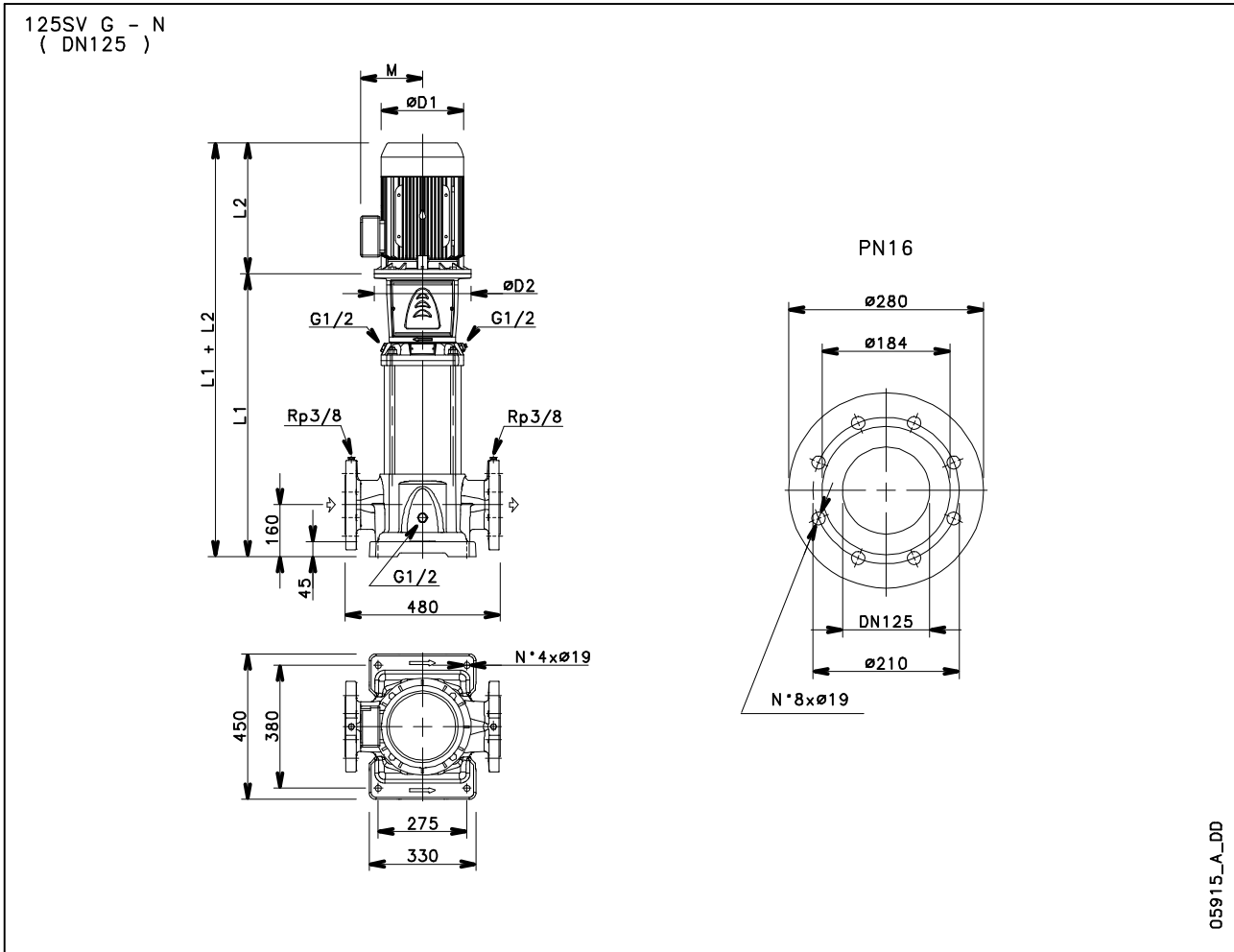


**125SV8G15046T/D**

**Dimensions**

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**Drawing**



**Dimensions inch**

Electrical and dimensional data refer to IE3 motor

D1	12 <sup>5</sup> / <sub>16</sub>					Weight 700 lb
D2	13 <sup>3</sup> / <sub>4</sub>					
L1	70					
L2	19 <sup>7</sup> / <sub>16</sub>					
M	9 <sup>7</sup> / <sub>16</sub>					