

66SV3G185T/E

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	m³/h 0	pH-value at t A	7
Nominal head	m 0	Density at t A	kg/m³ 1000
Static head	m 0	Kin. viscosity at t A	mm²/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	m³/h ()
Speed	rpm 2900	Flow	Max- m³/h 85
Number of stages	3		Min- m³/h
Max. casing pressure	kPa		Nominal m
Max. working pressure	kPa 896.9	Head	at Qmax m 53.5
Head H(Q=0)	m 91		at Qmin m 91.4
Weight	kg 198	Shaft power	kW ()
	Max. mm 149	Max. shaft power	kW 16.3
Impeller R	designed mm 149	Efficiency	%
	Min. mm 149	NPSH 3%	m

Pump Materials

Pump body	Cast iron
Lower support	Cast iron
Impeller	Stainless steel / AISI 316L
Diffuser	Stainless steel / AISI 304
Outer sleeve	Stainless steel / AISI 304
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	400 V	Speed	2940 rpm	Insulation class	F
Specific design	IE3 3ph Flange Motor - Premium Efficiency			Frame size	160 L	Colour	RAL 5010
Type	3MAS 160 L B5 18,5 kW						
Rated power	18.5 kW	Degree of protection	IP55				
Electric current	32.5 A						

Remarks:

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Performance curve

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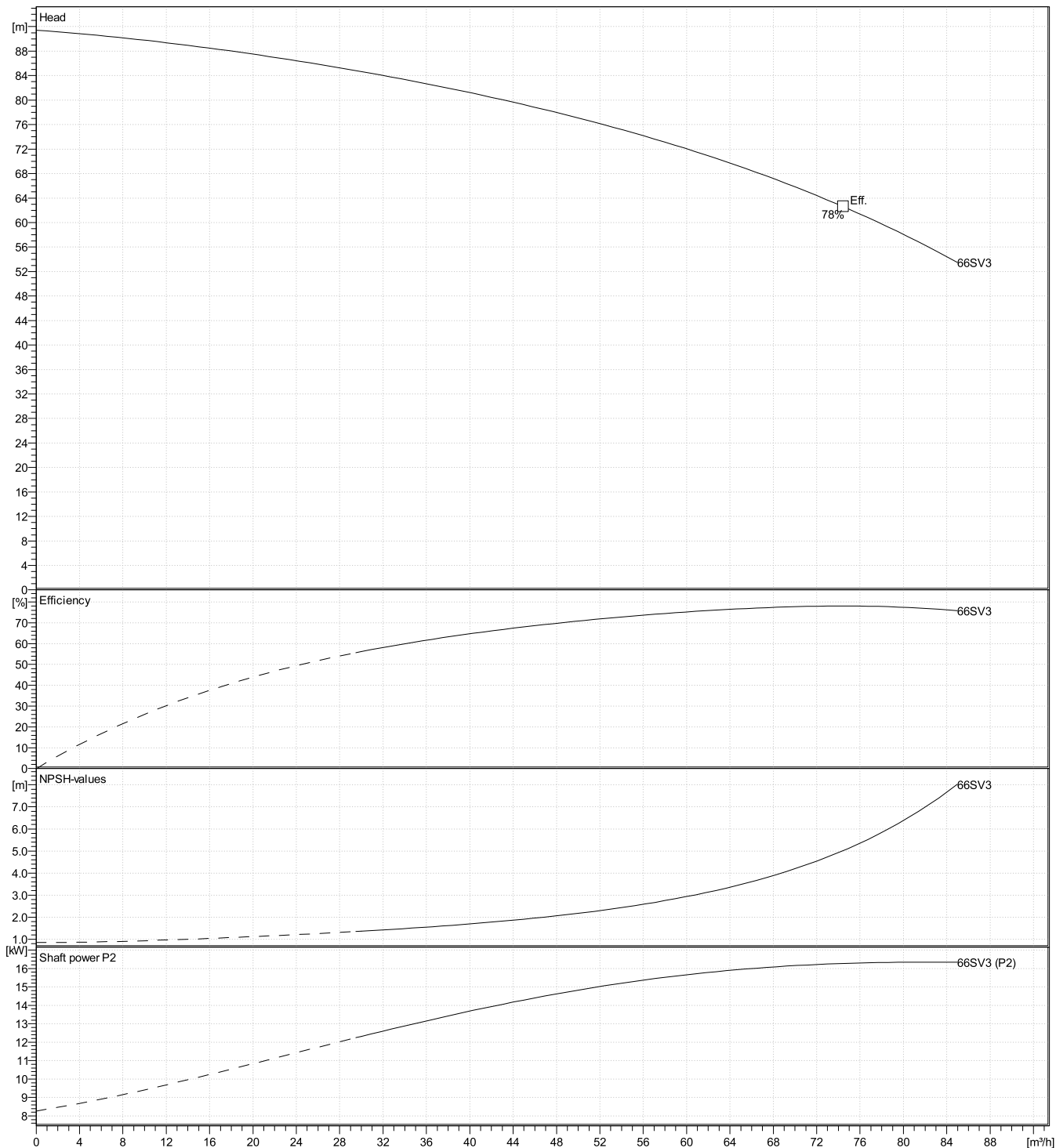
Hydraulic data

Operating Data Specification		Hydraulic data (duty point)	Impeller design	
Flow	0 m ³ /h	Flow	Impeller R	149 mm
Head	0 m	Head	Frequency	50 Hz
Static head	0 m	MEI >=0,7	Speed	2900 rpm

Power datas referred to:

Water [100%] ; 4°C; 1000kg/m³; 1.57mm²/s

Performance according to ISO 9906:2012 – Grade 3B

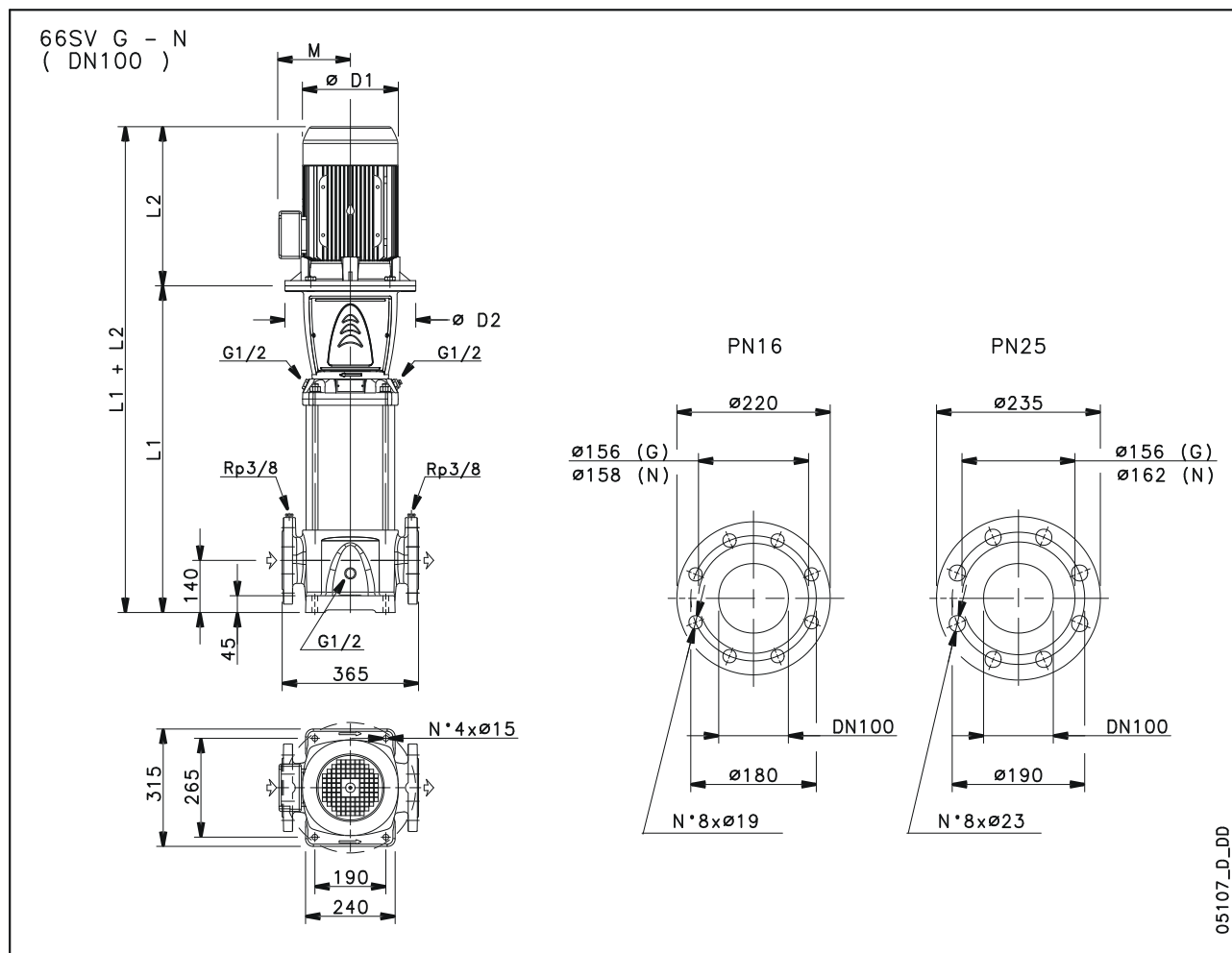


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Dimensions

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Drawing



Dimensions mm

Electrical and dimensional data refer to IE3 motor

D1	328					Weight
D2	350					200 kg
L1	789					
L2	545					
M	252					