

22SV12F150T/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	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 2900	Flow	Max- m ³ /h 29
Number of stages	12		Min- m ³ /h
Max. casing pressure	kPa	Nominal	m
Max. working pressure	kPa 1825.3	Head	at Qmax m 87.4
Head H(Q=0)	m 190		at Qmin m 186.1
Weight	kg 137	Shaft power	kW ()
	Max. mm 108	Max. shaft power	kW 12.5
Impeller R	designed mm 108	Efficiency	%
	Min. mm 108	NPSH 3%	m

Pump Materials

Pump body	Stainless steel / AISI 304
Impeller	Stainless steel / AISI 304
Diffuser	Stainless steel / AISI 304
Outer sleeve	Stainless steel / AISI 304
Shaft	Stainless steel / AISI 304
Adapter	Cast iron
Base	Aluminium
Coupling	Aluminium
SEAL HOUSING	Stainless steel / AISI 304
Coupling protection	Stainless steel / AISI 304
Shaft sleeve and bushing	Tungsten carbide
Fill / drain plugs	Stainless steel / AISI 304
Tie rods	Galvanized steel
Wear ring	Technopolymer PPS

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	2930 rpm	Insulation class	F
Specific design	IE3 3ph Flange Motor - Premium Efficiency			Frame size	160 M	Colour	RAL 5010
Type	3MAS 160 M B5 15 kW						
Rated power	15 kW	Degree of protection	IP55				
Electric current	26.6 A						

Remarks:

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Performance curve

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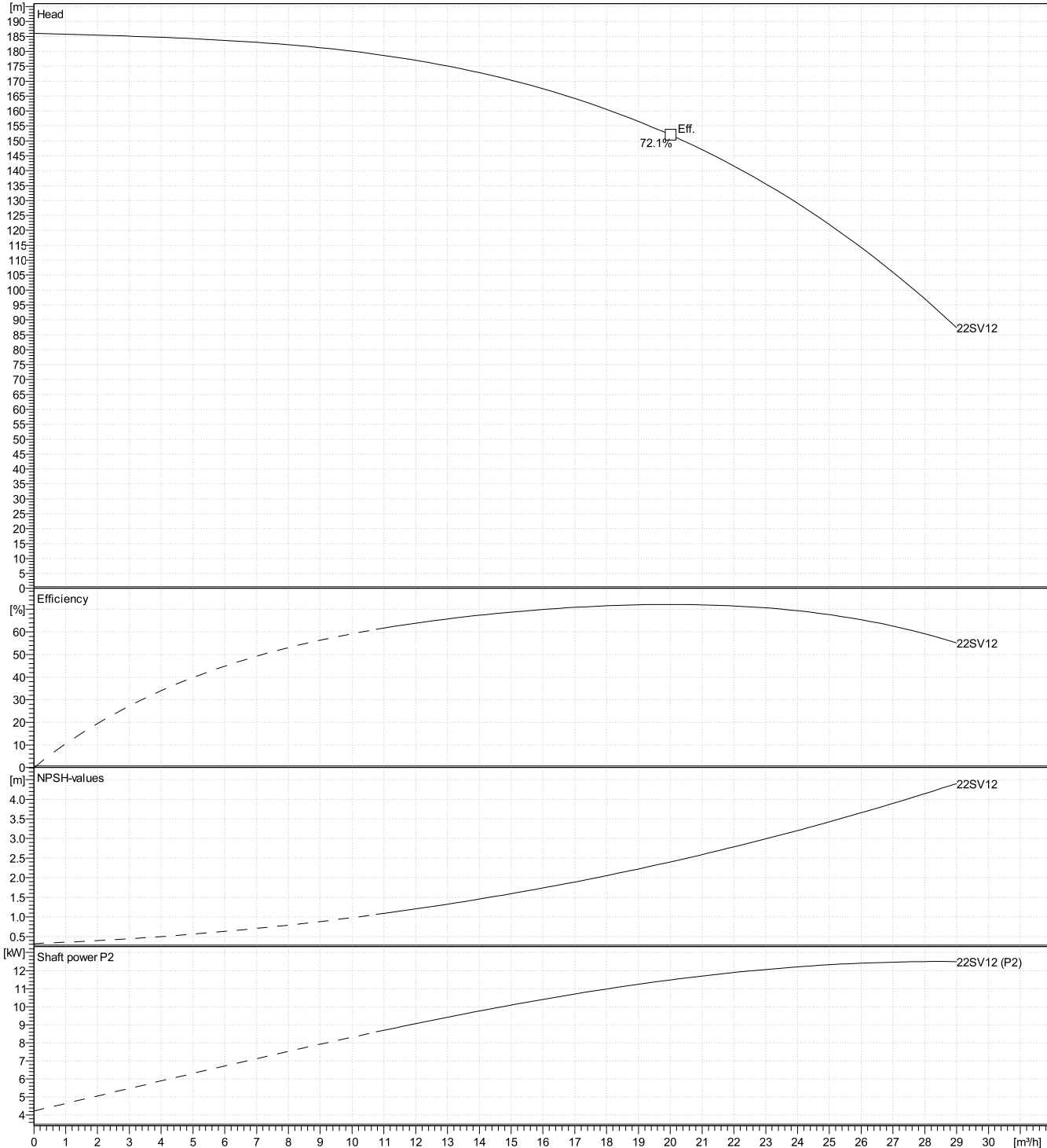
Hydraulic data

Operating Data Specification		Hydraulic data (duty point)		Impeller design	
Flow	0 m ³ /h	Flow		Impeller R	108 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

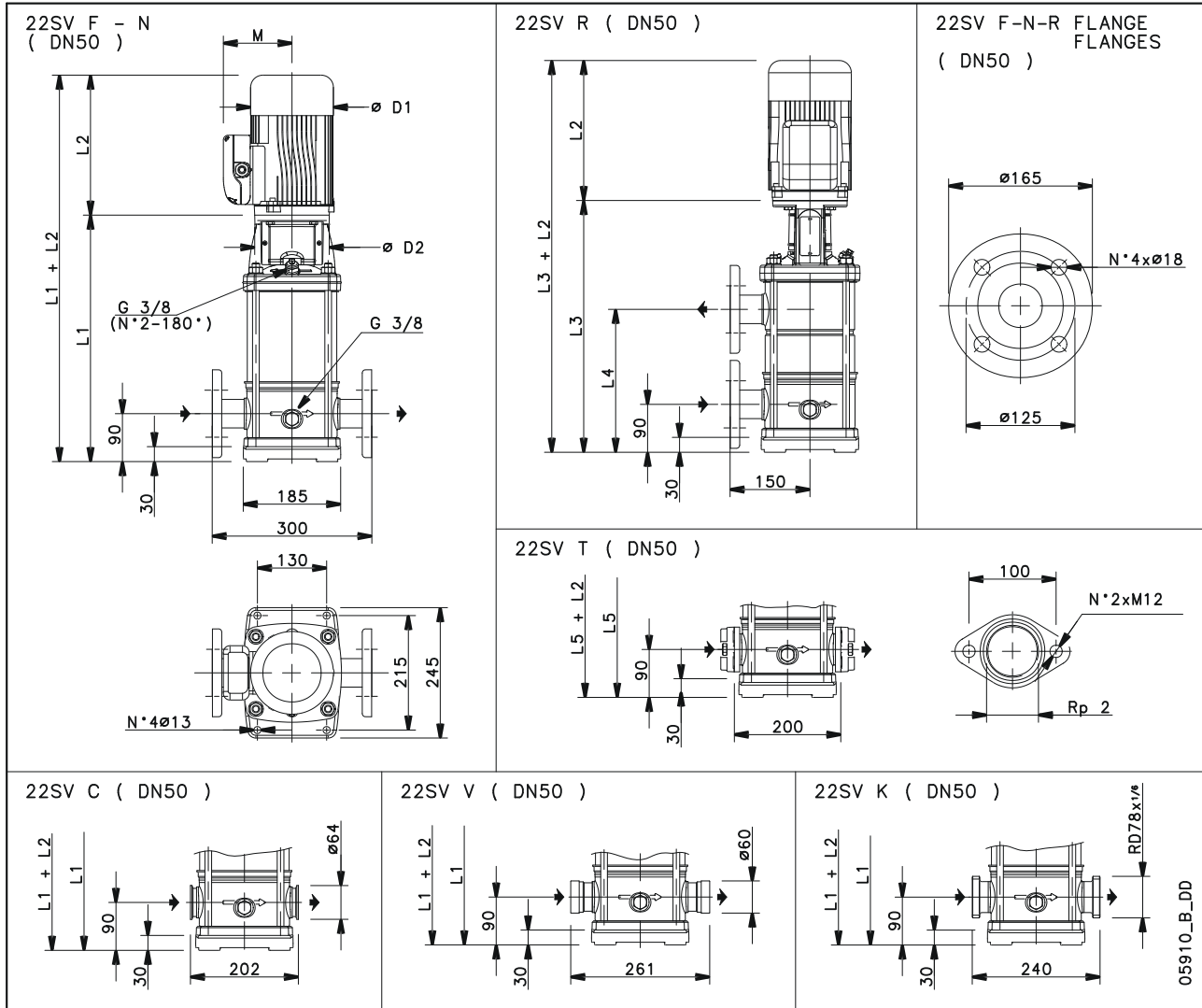


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Dimensions

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Drawing



Dimensions mm

Electrical and dimensional data refer to IE3 motor

D1	328					Weight 100 kg
D2	350					
L1	996					
L2	500					
L3	996					
L4	685					
L5						
M	252					