

## 5SV(07-2)R0156T/D

### Technical data

Company name  
Contact  
Phone number  
e-mail address

#### Operating data

Pumpe type	Single head pump	Fluid	Water, pure
Available system NPSH	m 0	Operating temperature t A	°C 4
Nominal flow	m <sup>3</sup> /h 0	pH-value at t A	7
Nominal head	m 0	Density at t A	kg/dm <sup>3</sup> 1
Static head	m 0	Kin. viscosity at t A	mm <sup>2</sup> /s 1.569
Inlet pressure	bar 0.098	Vapor pressure at t A	bar 0.0083
Environmental temperature	°C 20	Solids	0
		Altitude	m 0

#### Pump data

Make	Lowara	Nominal	m <sup>3</sup> /h ( )
Speed	rpm 3500	Flow	Max- m <sup>3</sup> /h 10
Number of stages	4	Min-	m <sup>3</sup> /h
Max. casing pressure	bar	Nominal	m
Max. working pressure	bar 4.3	Head	at Qmax m 21
Head H(Q=0)	m 44	at Qmin	m 43.9
Weight	kg 25	Shaft power	kW ( )
	Max. mm 76	Max. shaft power	kW 1.5
Impeller R	designed mm 76	Efficiency	%
	Min. mm 76	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	380 V	Speed	3485 rpm	Insulation class	F
Specific design	IE3 3ph Flange Motor			Frame size	90 S	Colour	RAL 5010
Type	SM 90R B14 1,5 kW						
Rated power	1.5 kW	Degree of protection	IP55				
Electric current	3.21 A						

#### Remarks:

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## Performance curve

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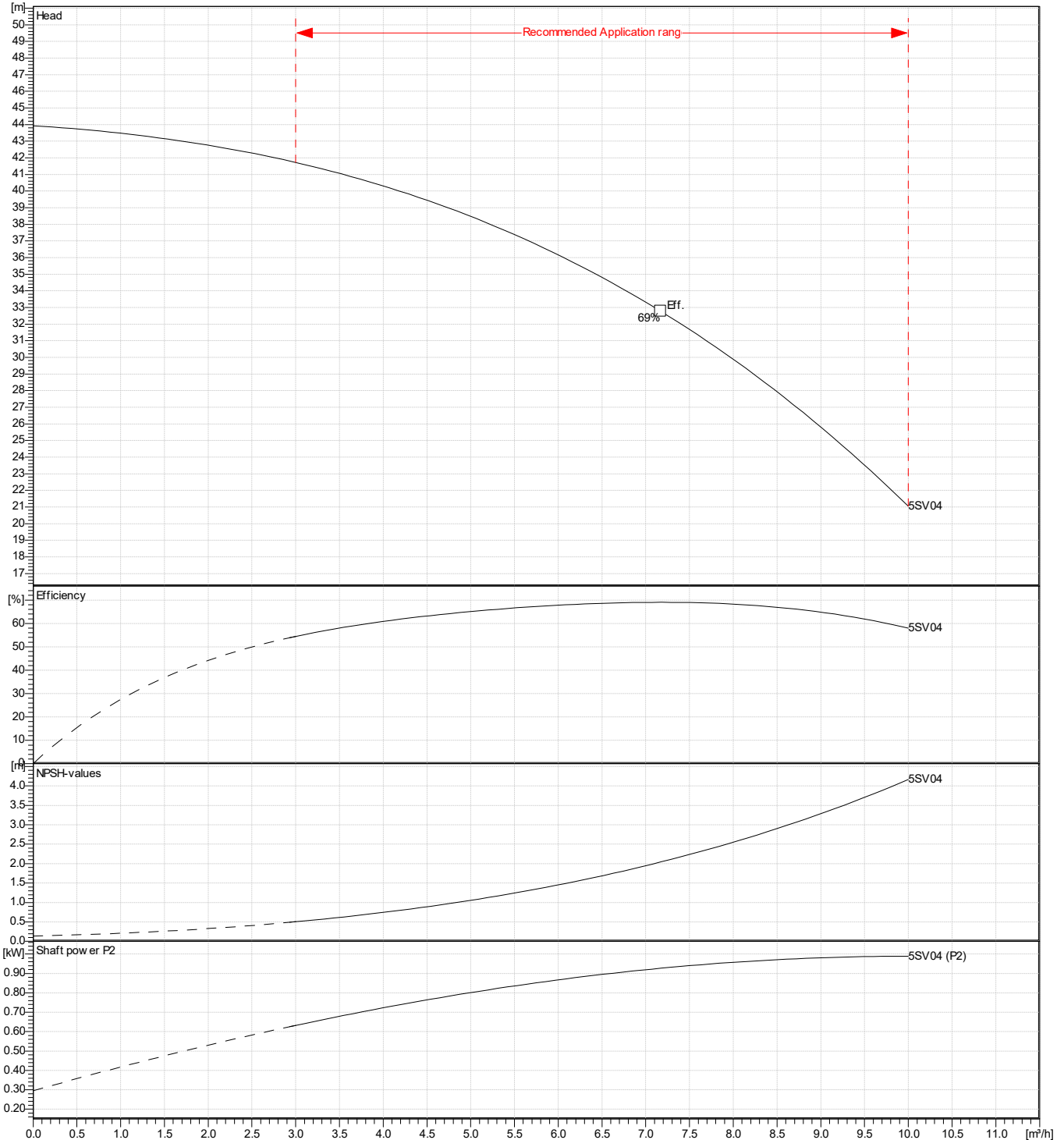
### Hydraulic data

Operating Data Specification		Hydraulic data (duty point)		Impeller design	
Flow	0 m <sup>3</sup> /h	Flow		Impeller R	76 mm
Head	0 m	Head		Frequency	60 Hz
Static head	0 m	MEI	---	Speed	3500 rpm

**Power data referred to:**

Water, pure [100%] ; 4°C; 1kg/dm<sup>3</sup>; 1.57mm<sup>2</sup>/s

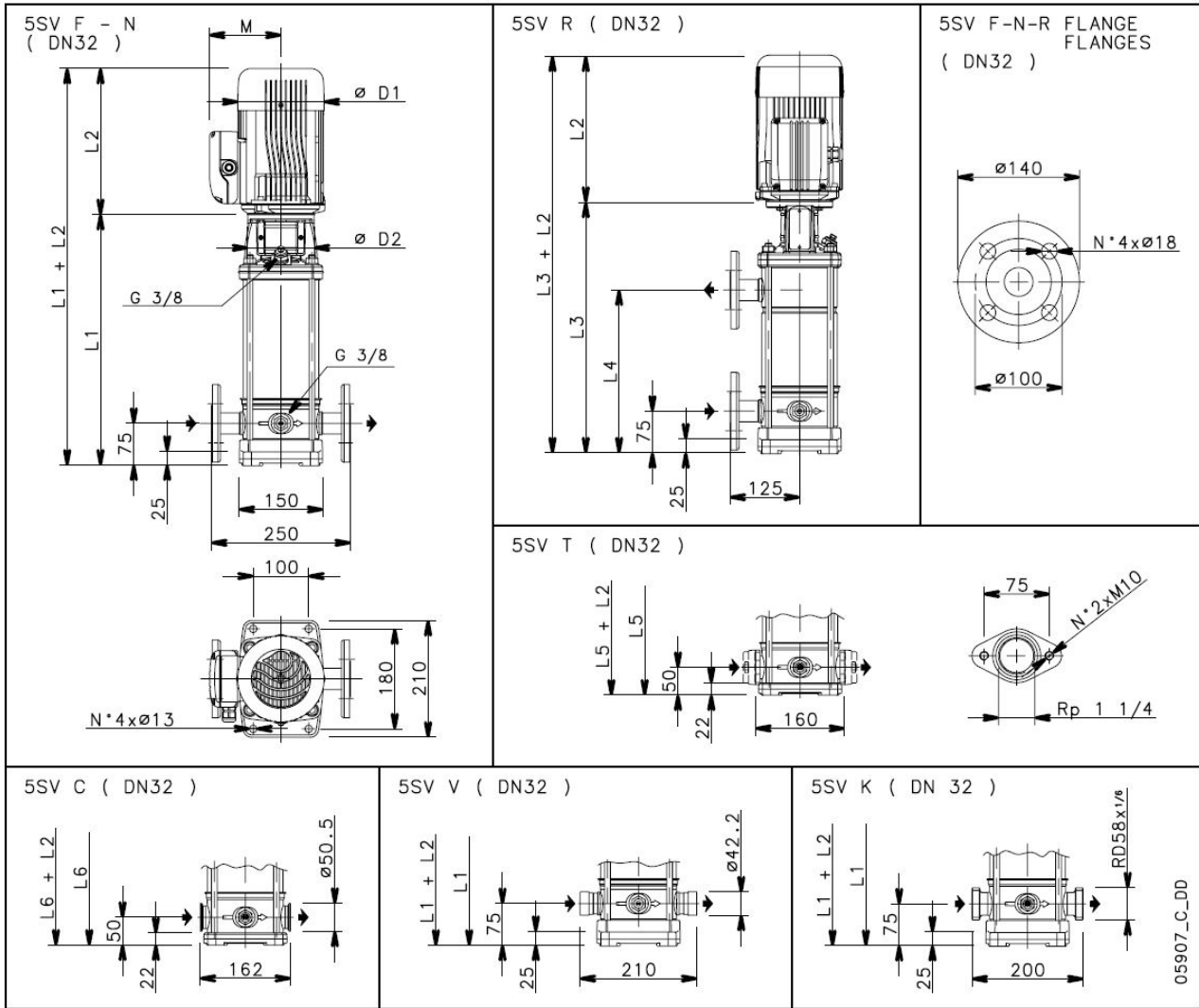
Performance according to ISO 9906:2012 – Grade 3B



**Dimensions**

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**Drawing**



**Dimensions mm**

Electrical and dimensional data refer to IE3 motor

D1	140	M	134			Weight
D2	140					30 kg
L1	413					
L2	298					
L3	413					
L4	242					
L5	388					