

Customer	Date	1/15/2019
Contact	Project	
Phone number	Project no.	
Email		

## 5SV07T011M

### Operating data

Pump type	Single head pump	Fluid	Water
No. of pumps / Reserve	1 / 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
Available system NPSH	m 0	Altitude	m 0

### Pump data

Make	Lowara	Nominal	m³/h	( )
Speed	rpm 2900	Flow	Max- m³/h	8.5
Number of stages	7	Min- m³/h		
Max. casing pressure	kPa	Nominal	m	
Max. working pressure	kPa 517.4	Head	at Qmax	m 22.8
Head H(Q=0)	m 53		at Qmin	m 52.7
Weight	kg 23	Shaft power	kW	( )
Max.	mm 76	Max. shaft power	kW	1
Impeller R	designed mm 76	Efficiency	%	
Min.	mm 76	NPSH	3%	m

### Pump Materials

		Shaft Seal	
Pump body	Stainless steel / AISI 304	e-SV Mechanical seal	Roten
IMPELLER	Stainless steel / AISI 304	e-SV - Uniten (-30 / +120 °C)	
DIFFUSER	Stainless steel / AISI 304	1 - Rotating part	Silicon Carbide
Outer sleeve	Stainless steel / AISI 304	2 - Stationary part	Resin impregnated carbon
SHAFT	Stainless steel / AISI 304	3 - Elastomers	EPDM
ADAPTER	Cast iron	4 - Springs	AISI 316
Base	Aluminium	5 - Other components	AISI 316
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		

### Motor data

Manufacturer	Lowara	Electric voltage	230 V	Speed	2800 rpm	Insulation class	155 (F)
Specific design	Single phase surface motor (e-SV)			Frame size	80	Colour	RAL 5010
Type	SM80B14/111 (220-240V)						
Rated power	1.1 kW	Degree of protection	IP55				
Electric current	6.65 A						

### Remarks:

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## 5SV07T011M

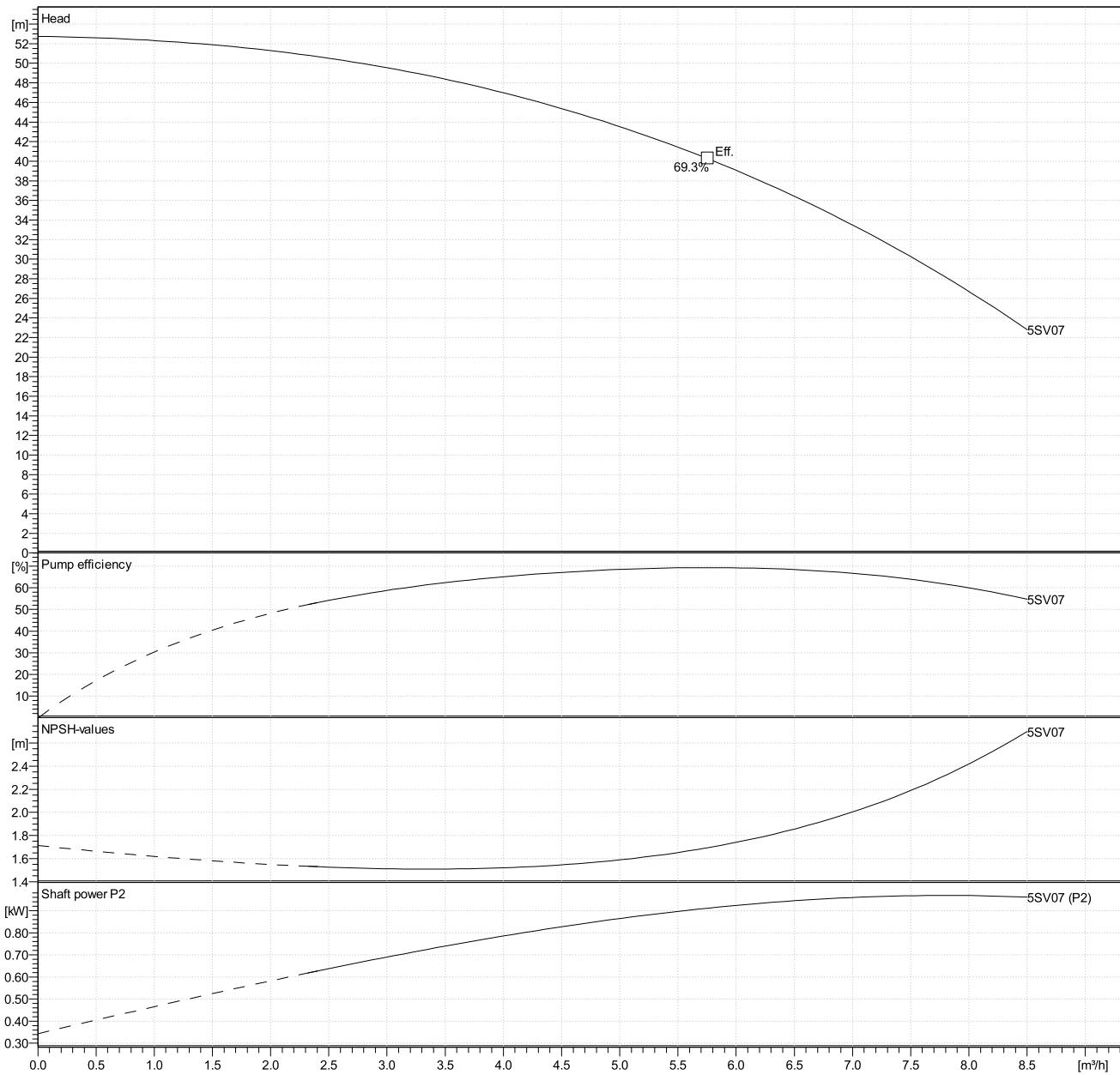
### Hydraulic data

Operating Data Specification		Hydraulic data (duty point)	Impeller design		
Flow	0 m <sup>3</sup> /h	Flow		76 mm	
Head	0 m	Head		50 Hz	
Static head	0 m	MEI >=0,7	Speed	2900 rpm	

#### Power data referenced to:

Water [100%] ; 4°C; 1000kg/m<sup>3</sup>; 1.57mm<sup>2</sup>/s

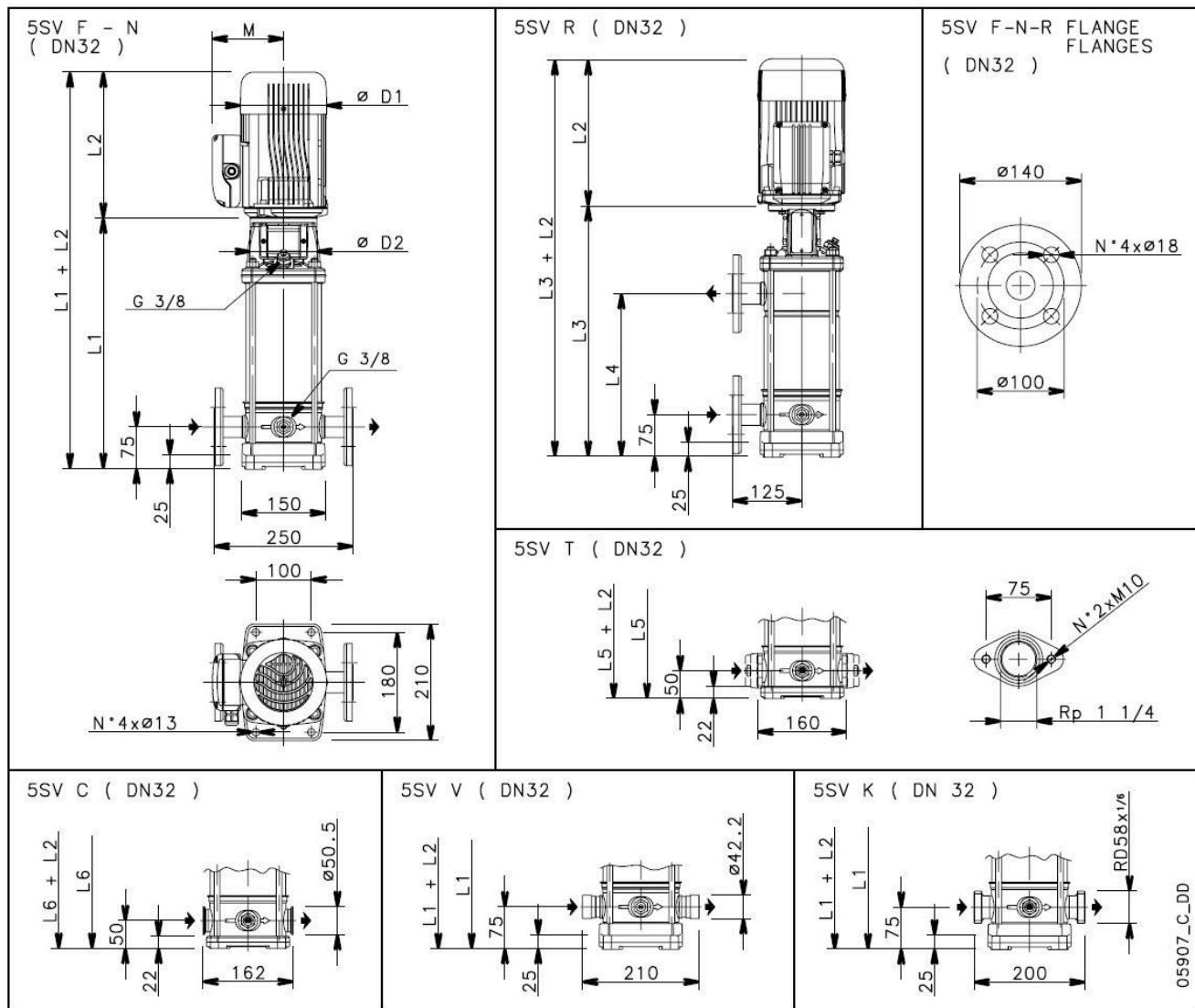
Performance according to ISO 9906:2012 – Grade 3B



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## 5SV07T011M

### Drawing

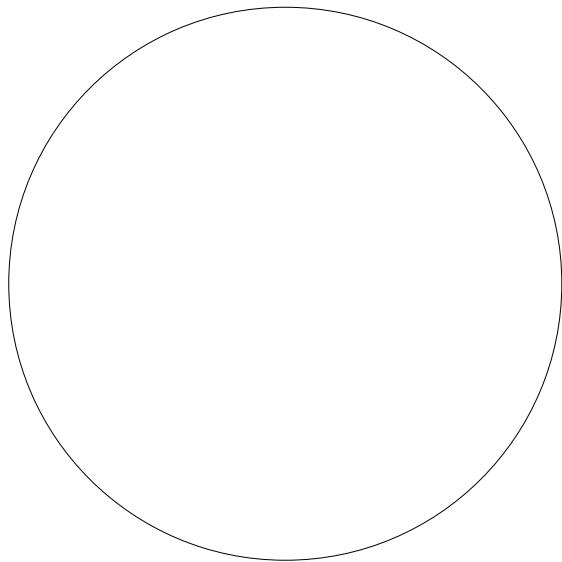


### Dimensions mm

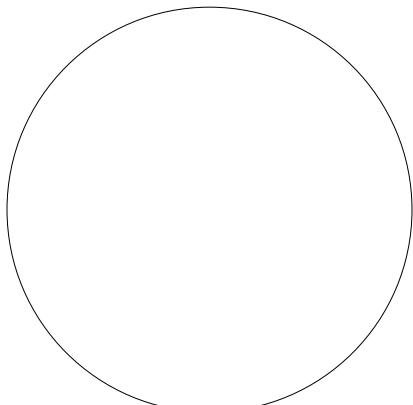
D1	155					Weight
D2	120					22.9 kg
L1	403					
L2	263					
L3	403					
L4	242					
L5	378					
L6	378					
M	137					

## 5SV07T011M

Total lifetime	15	Inflation rate (rate of price increases)	2 %
Annual operating time	5600	Interest rate (for investment)	3 %
Energy cost per kWh	0.00 GBP		
Power input P1			

**Total costs**


0%	<b>0.00 GBP</b> Energy
0%	<b>0.00 GBP</b> Investment costs
0%	<b>0.00 GBP</b> Installation & commissioning
0%	<b>0.00 GBP</b> Operating cost
0%	<b>0.00 GBP</b> Maintenance & repair
0%	<b>0.00 GBP</b> Downtime
0%	<b>0.00 GBP</b> Environmental
0%	<b>0.00 GBP</b> Decommissioning

**GBP**
**First year costs**


0%	<b>0.00 GBP</b> Energy (1st year)
0%	<b>0.00 GBP</b> Investment costs (1st year)
0%	<b>0.00 GBP</b> Installation & commissioning (1st year)
0%	<b>0.00 GBP</b> Operating cost (1st year)
0%	<b>0.00 GBP</b> Maintenance & repair (1st year)
0%	<b>0.00 GBP</b> Downtime (1st year)
0%	<b>0.00 GBP</b> Environmental (1st year)
0%	<b>0.00 GBP</b> Decommissioning (1st year)

**GBP**