

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

1SV15T007M

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 2.4
Number of stages	15	Min-	m³/h
Max. casing pressure	kPa	Nominal	m
Max. working pressure	kPa 891.3	Head at Qmax	m 43.1
Head H(Q=0)	m 91	at Qmin	m 90.9
Weight	kg 24	Shaft power	kW ()
Max.	mm 73	Max. shaft power	kW .7
Impeller R designed	mm 73	Efficiency	%
Min.	mm 73	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	230 V	Speed	2765 rpm	Insulation class	155 (F)
Specific design	Single phase surface motor (e-SV)			Frame size	80R	Colour	RAL 5010
Type	SM80RB14/107 (220-240V)						
Rated power	0.75 kW	Degree of protection	IP55				
Electric current	4.85 A						

Remarks:

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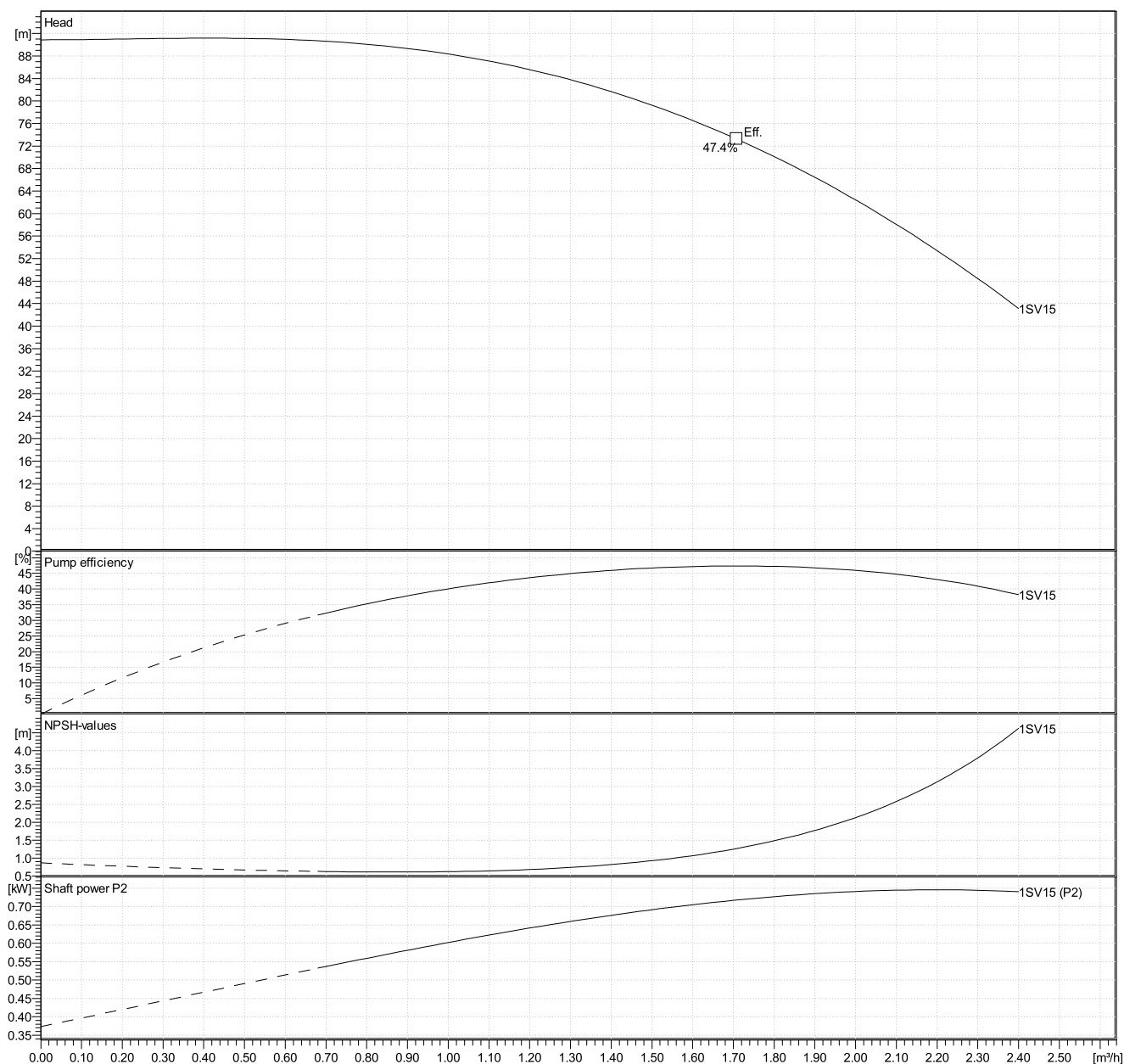
Hydraulic data

Operating Data Specification		Hydraulic data (duty point)		Impeller design	
Flow	0 m ³ /h	Flow		Impeller R	73 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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1SV F - N (DN25)

Side view dimensions: $L1 + L2$, $L1$, $L2$, M , $\varnothing D1$, $\varnothing D2$, $G 3/8$, $G 3/8$, 75, 25, 150, 250, 100.

Front view dimensions: $N \cdot 4 \times \varnothing 13$, 180, 210.

1SV R (DN25)

Side view dimensions: $L3 + L2$, $L2$, $L3$, $L4$, 75, 25, 125.

1SV F-N-R FLANGE FLANGES (DN25)

Front view dimensions: $\varnothing 115$, $N \cdot 4 \times \varnothing 14$, $\varnothing 85$.

1SV T (DN25)

Side view dimensions: $L5 + L2$, $L5$, 50, 22, 160.

Front view dimensions: 75, $N \cdot 2 \times M10$, $Rp 1$.

1SV C (DN32)

Side view dimensions: $L6 + L2$, $L6$, 50, 22, 162, $\varnothing 50.5$.

1SV V (DN32)

Side view dimensions: $L1 + L2$, $L1$, 75, 25, 210, $\varnothing 42.2$.

1SV K (DN32)

Side view dimensions: $L1 + L2$, $L1$, 75, 25, 200, $RD58 \times 1/8$.

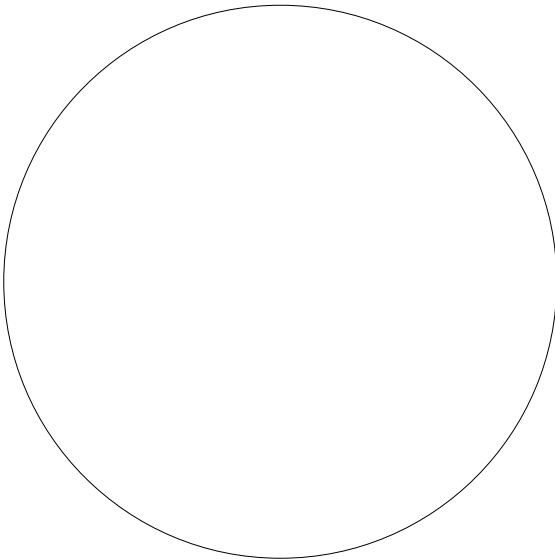
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D1	140					Weight 23.5 kg
D2	120					
L1	528					
L2	226					
L3	528					
L4	367					
L5	503					
L6	503					
M	121					

1SV15T007M

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			

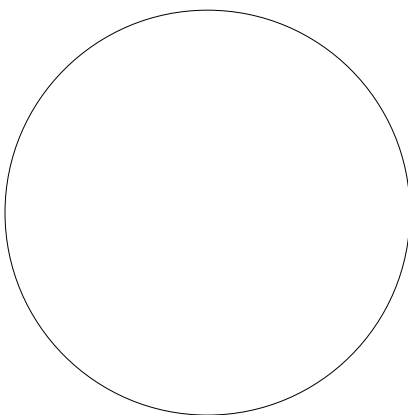
Total costs



GBP

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

First year costs



GBP

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