

Customer	Date	1/11/2019
Contact	Project	
Phone number	Project no.	
Email		

10SV09T040T

Operating data

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

Pump data

Make	Lowara	Nominal	m ³ /h ()
Speed	rpm 2900	Flow Max-	m ³ /h 14
Number of stages	9	Min-	m ³ /h
Max. casing pressure	kPa	Nominal	m
Max. working pressure	kPa 1042.8	Head at Qmax	m 51.9
Head H(Q=0)	m 110	at Qmin	m 106.3
Weight	kg 50	Shaft power	kW ()
Impeller R	Max. mm 96	Max. shaft power	kW 3.3
	designed mm 96	Efficiency	%
	Min. mm 96	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	2910 rpm	Insulation class	155 (F)
Specific design	IE3 Three phase surface motor (e-SV)	Frame size	112R	Colour			RAL 5010
Type	PLM112RB14S6/340 E3 (380-415/660-690V)						
Rated power	4 kW	Degree of protection	IP55				
Electric current	7.8 A						

Remarks:

Customer	Date	1/11/2019
Contact	Project	
Phone number	Project no.	
Email		

10SV09T040T

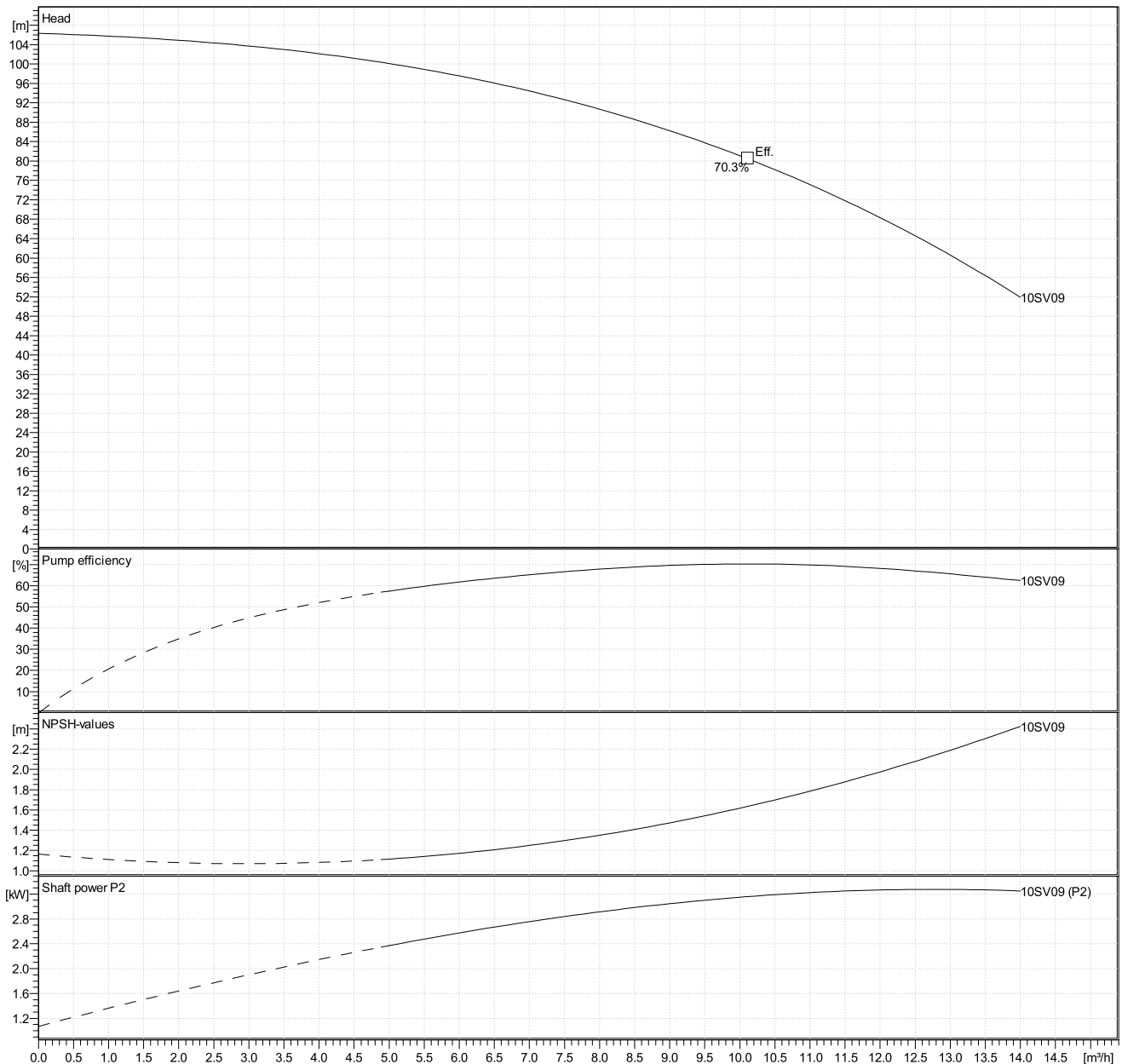
Hydraulic data

Operating Data Specification		Hydraulic data (duty point)		Impeller design	
Flow	0 m ³ /h	Flow		Impeller R	96 mm
Head	0 m	Head		Frequency	50 Hz
Static head	0 m	MEI >=0,7		Speed	2900 rpm

Power data referred to:

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

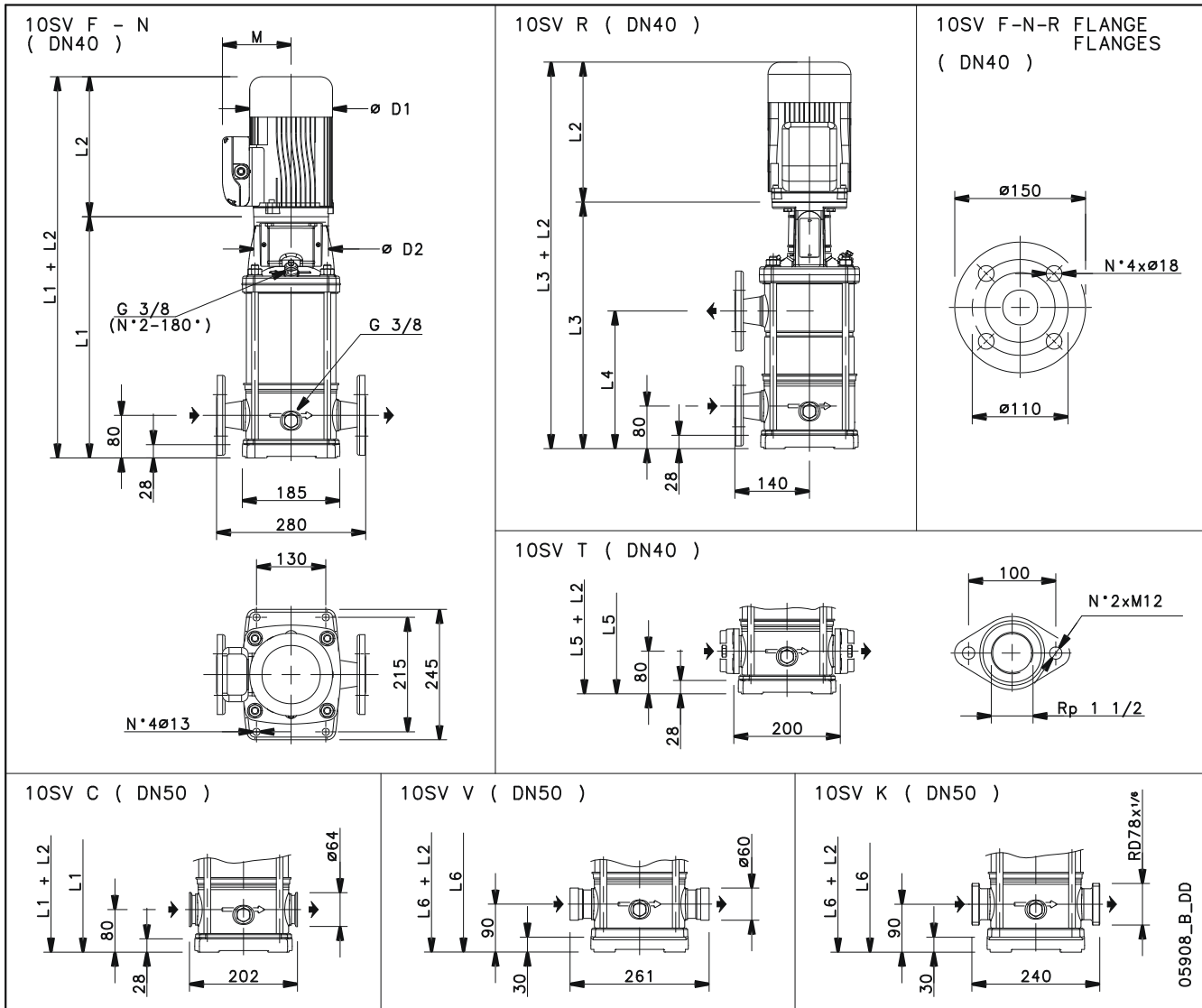
Performance according to ISO 9906:2012 – Grade 3B



Customer	Date	1/11/2019
Contact	Project	
Phone number	Project no.	
Email		

10SV09T040T

Drawing



Dimensions mm

D1	197					Weight 49.7 kg
D2	160					
L1	601					
L2	319					
L3	601					
L4	387					
L5	601					
L6	611					
M	154					

05908_B_DD

10SV09T040T

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)