

Customer	Date	11/7/2018
Contact	Project	
Phone number	Project no.	
Email		

10SV06F022T

1016LD201

Operating data

Pump type	Single head pump	Fluid	Water, pure
No. of pumps / Reserve	1 / 0	Operating temperature t A	°C 4
Nominal flow	m ³ /h 9	pH-value at t A	7
Nominal head	m 51	Density at t A	kg/dm ³ 1
Static head	m 0	Kin. viscosity at t A	mm ² /s 1.569
Inlet pressure	bar 0	Vapor pressure at t A	bar 1
Environmental temperature	°C 20	Solids	0
Available system NPSH	m 0	Altitude	m 0

Pump data

Make	Lowara	Nominal	m ³ /h 9.4 (9.4)
Speed	1/min 2900	Flow Max-	m ³ /h 14
Number of stages	6	Min-	m ³ /h
Max. casing pressure	bar	Nominal	m 55.9
Max. working pressure	bar 7	Head at Qmax	m 33.8
Head H(Q=0)	m 72	at Qmin	m 71.8
Weight	kg 38	Shaft power	kW 2 (2)
	Max. mm 96	Max. shaft power	kW 2.2
Impeller R designed	mm 96	Efficiency	% 70.67
	Min. mm 96	NPSH 3%	m 1.5

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	2900 1/min	Insulation class	155 (F)
Specific design	IE3 Three phase surface motor (e-SV)	Frame size	90	Colour			RAL 5010
Type	PLM90B14/322 E3 (220-240/380-415V)						
Rated power	2.2 kW	Degree of protection	IP55				
Electric current	4.56 A						

Remarks:

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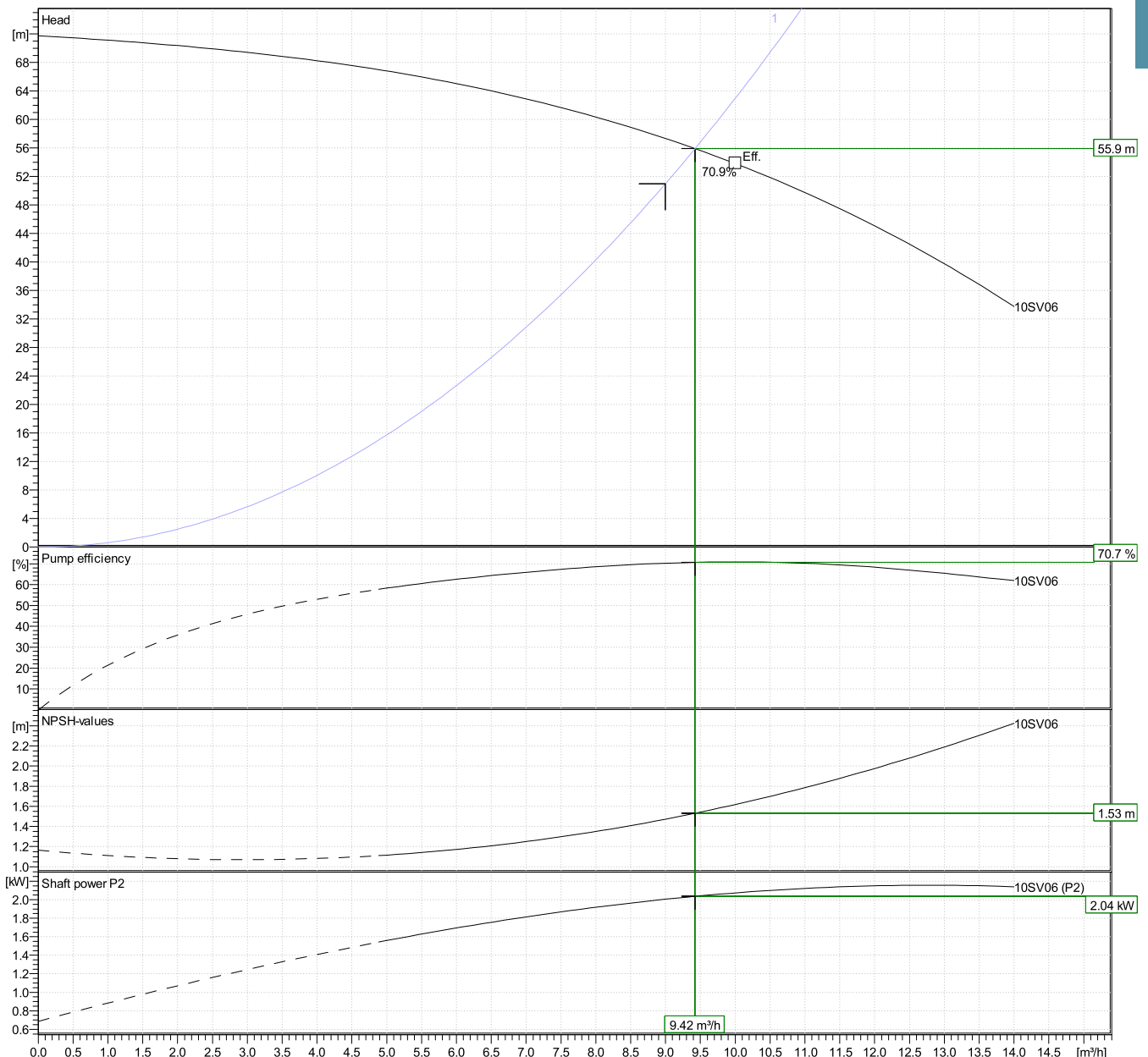
Hydraulic data

Operating Data Specification		Hydraulic data (duty point)		Impeller design	
Flow	9 m ³ /h	Flow	9.42 m ³ /h	Impeller R	96 mm
Head	51 m	Head	55.9 m	Frequency	50 Hz
Static head	0 m	MEI >=0,7		Speed	2900 1/min

Power datas referred to:

Water, pure [100%] ; 4°C; 1kg/dm³; 1.57mm²/s

Performance according to ISO 9906:2012 – Grade 3B

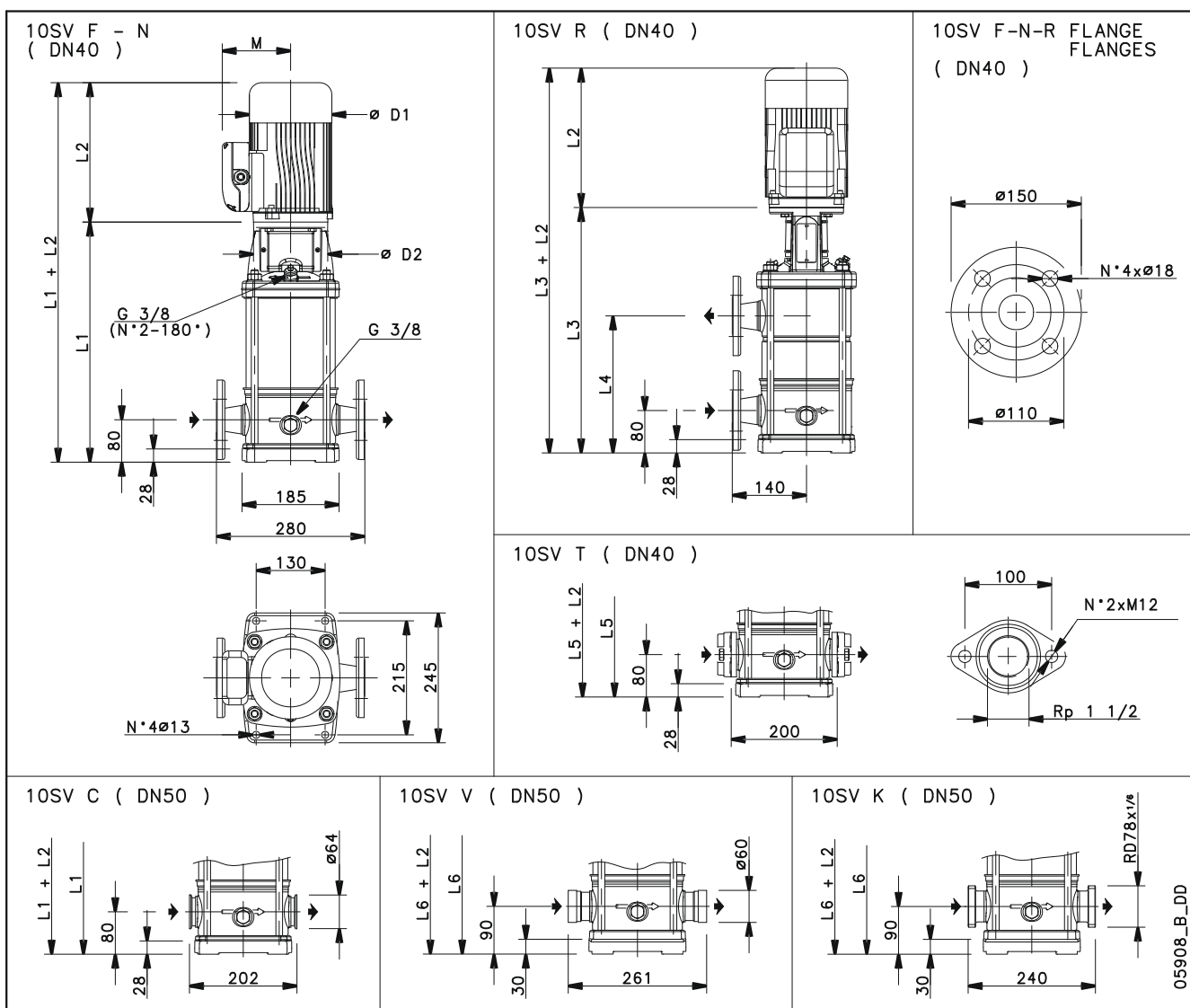


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Drawing



Dimensions mm

D1	174					Weight 37.9 kg
D2	140					
L1	495					
L2	298					
L3	495					
L4	291					
L5	495					
L6	505					
M	134					