

Customer	Date	12/10/2020
Contact	Project	
Phone number	Project no.	
Email		

10SV05F022T

1016LD191

Operating data

Pump type	Single head pump	Fluid	Water, pure
No. of pumps / Reserve	1 / 0	Operating temperature t A	°C 4
Nominal flow	l/s 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	l/s ()
Speed	rpm 2900	Flow	Max- l/s 3.9
Number of stages	5	Min-	l/s
Max. casing pressure	kPa	Nominal	m
Max. working pressure	kPa 588.2	Head	at Qmax m 28.9
Head H(Q=0)	m 60	at Qmin	m 60
Weight	kg 37	Shaft power	kW ()
Max.	mm 96	Max. shaft power	kW 1.8
Impeller R	designed mm 96	Efficiency	%
Min.	mm 96	NPSH 3%	m

Pump Materials

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	400 V	Speed	2900 rpm	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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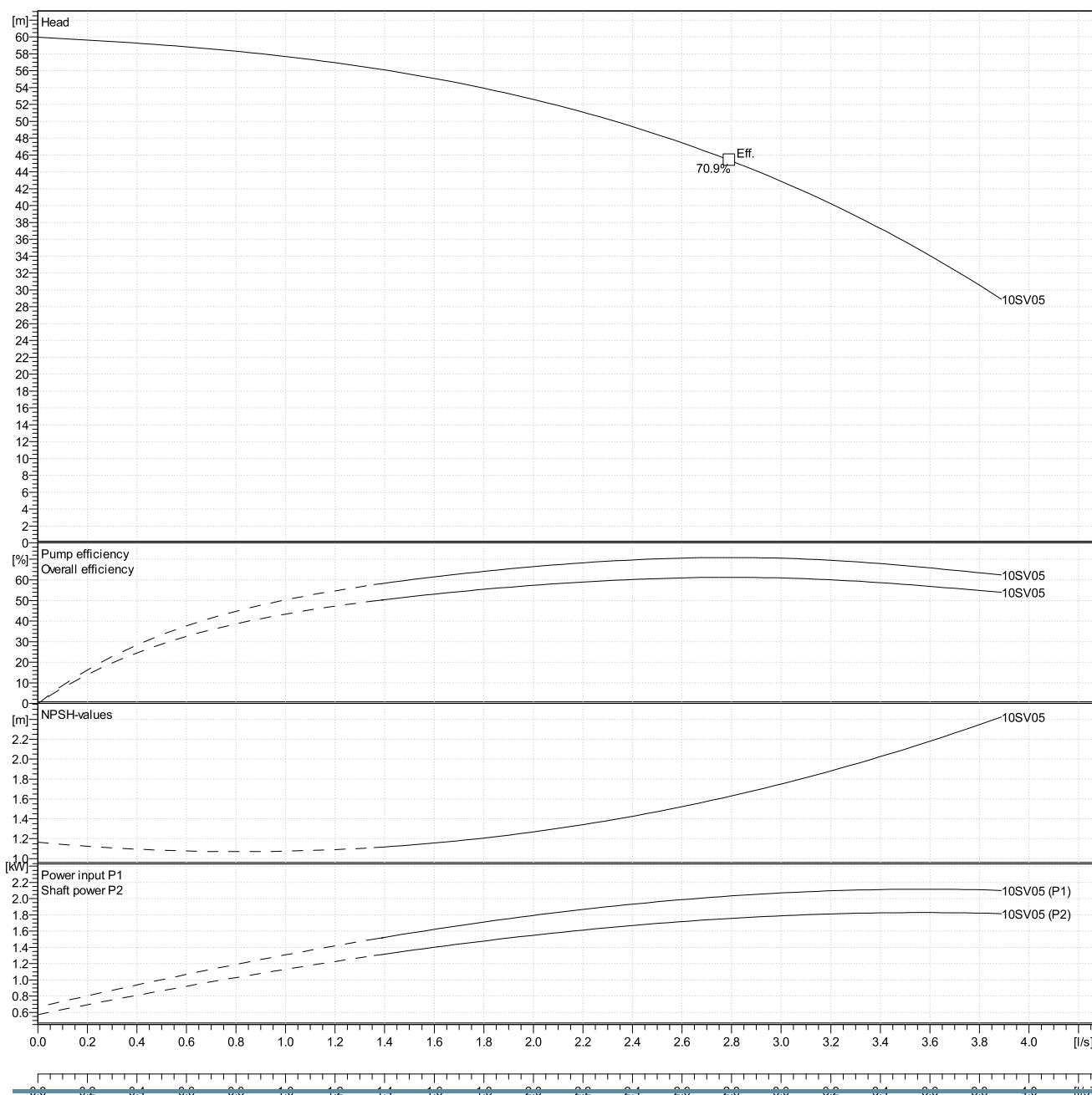
Hydraulic data

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

Power datas refered to:

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

Performance according to ISO 9906:2012 – Grade 3B

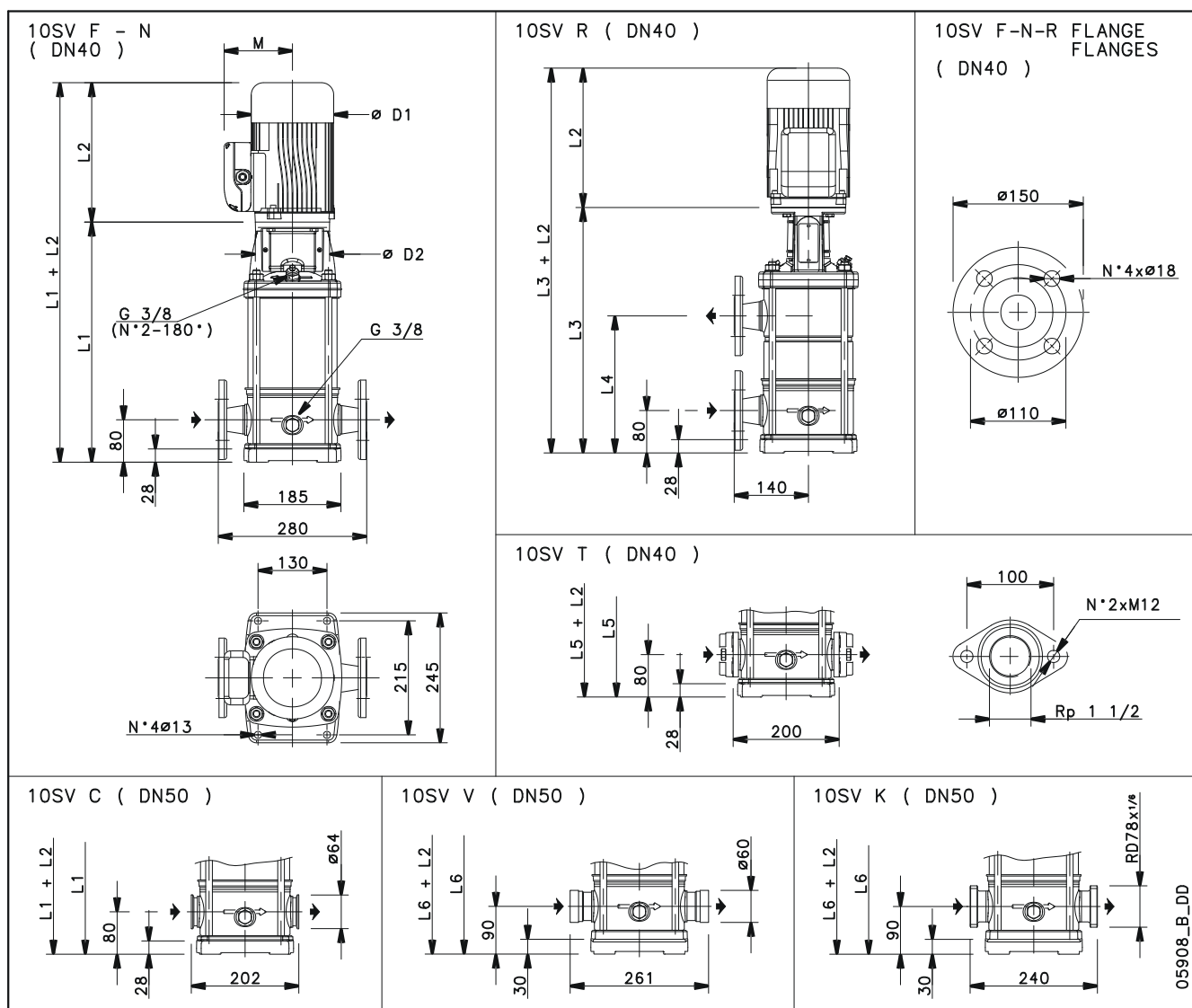


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Drawing



Dimensions mm

D1	174					Weight	
D2	140					36.7	kg
L1	463						
L2	298						
L3	463						
L4	259						
L5	463						
L6	473						
M	134						