

Customer	Date	1/6/2021
Contact	Project	
Phone number	Project no.	
Email		

10SV13F055T

1016LD271

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 3.15	pH-value at t A	7
Nominal head	m 96.85	Density at t A	kg/m ³ 1000
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	l/s 3.2 (3.2)
Speed	rpm 2900	Flow	Max- l/s 3.9
Number of stages	13	Min-	l/s
Max. casing pressure	bar	Nominal	m 102.5
Max. working pressure	bar 15.3	Head	at Qmax m 74
Head H(Q=0)	m 160	at Qmin	m 156
Weight	kg 71	Shaft power	kW 4.7 (4.7)
Max.	mm 96	Max. shaft power	kW 4.8
Impeller R	designed mm 96	Efficiency	% 68.52
Min.	mm 96	NPSH 3%	m 1.9

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	2910 rpm	Insulation class	155 (F)
Specific design	IE3 Three phase surface motor (e-SV)	Frame size	132R	Colour			RAL 5010
Type	PLM132RB5/355 E3 (220-240/380-415V)						
Rated power	5.5 kW	Degree of protection	IP55				
Electric current	10.4 A						

Remarks:

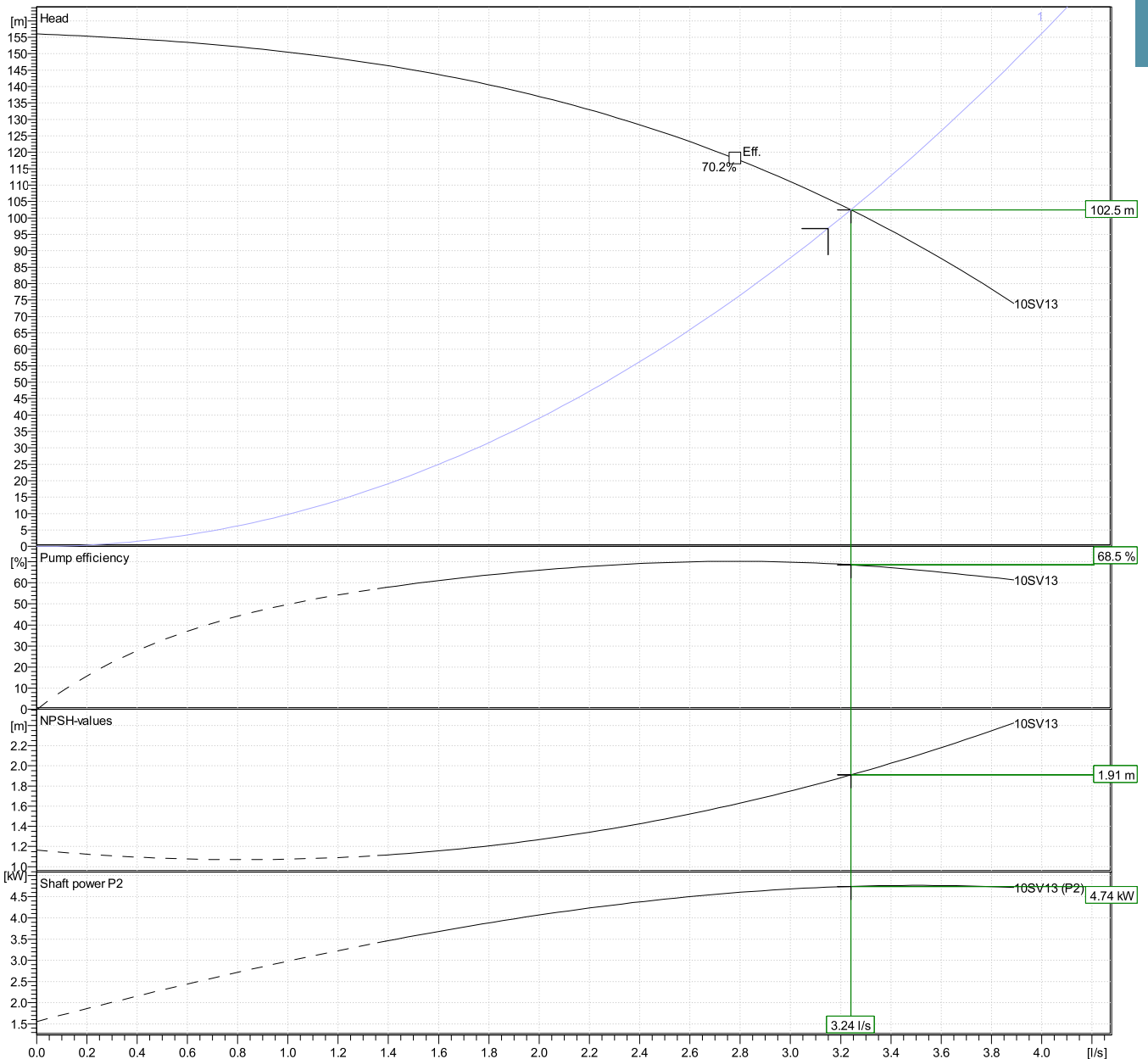
Customer	Date	1/6/2021
Contact	Project	
Phone number	Project no.	
Email		

10SV13F055T 1016LD271

Hydraulic data

Operating Data Specification		Hydraulic data (duty point)		Impeller design	
Flow	3.15 l/s	Flow	3.24 l/s	Impeller R	96 mm
Head	96.85 m	Head	102 m	Frequency	50 Hz
Static head	0 m	MEI >=0,7		Speed	2900 rpm

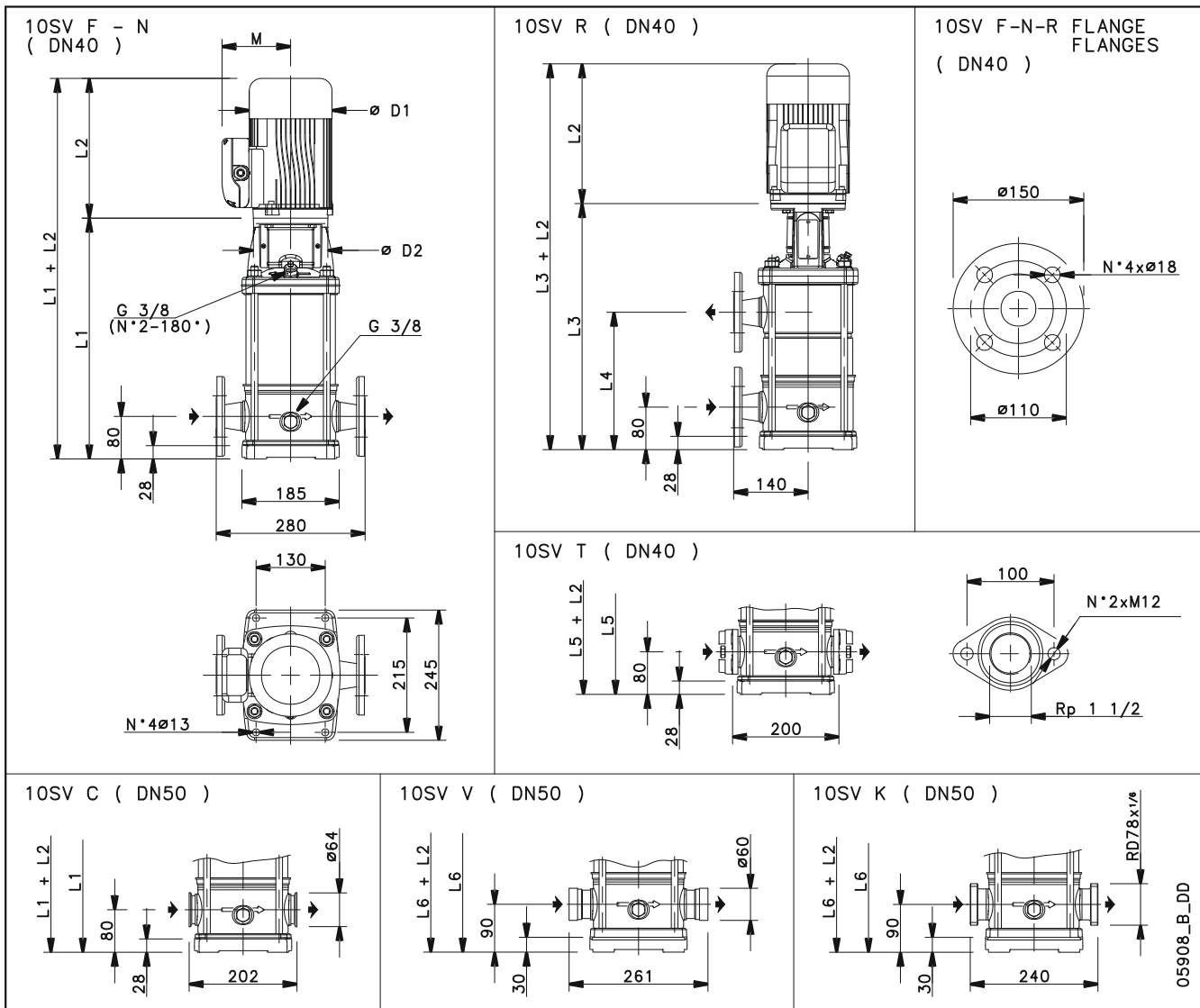
Power data referred to:
 Water, pure [100%] ; 4°C; 1000kg/m³; 1.57mm²/s
 Performance according to ISO 9906:2012 – Grade 3B



Customer	Date	1/6/2021
Contact	Project	
Phone number	Project no.	
Email		

10SV13F055T
1016LD271

Drawing



Dimensions mm

D1	214					Weight 71 kg
D2	300					
L1	796					
L2	375					
L3	796					
L4	515					
L5	796					
L6	806					
M	168					

05908_B_DD