

Customer	Date	8.1.2019
Contact	Project	
Phone number	Project no.	
Email		

1SV17F011T

1016LC161

Operating data

Pumpe type	Single head pump	Fluid	Water, pure
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/dm³ 1
Static head	m 0	Kin. viscosity at t A	mm²/s 1,569
Inlet pressure	bar 0,098	Vapor pressure at t A	bar 0,0083
Environmental temperature	°C 20	Solids	0
Available system NPSH	m 0	Altitude	m 1000

Pump data

Make	Lowara	Nominal	m³/h ()
Speed	1/min 2900	Max-	m³/h 2,4
Number of stages	17	Min-	m³/h
Max. casing pressure	bar	Nominal	m
Max. working pressure	bar 10,3	Head at Qmax	m 51,2
Head H(Q=0)	m 110	Head at Qmin	m 105,2
Weight	kg 27	Shaft power	kW ()
Max.	mm 73	Max. shaft power	kW ,9
Impeller R designed	mm 73	Efficiency	%
Min.	mm 73	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 casing	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	220 V	Speed	2900 1/min	Insulation class	155 (F)
Specific design	IE3 Three phase surface motor (e-SV)			Frame size	80	Colour	RAL 5010
Type	SM80B14/311 PE (220-240V 50/60 Hz)		4,19 A				
Rated power	1,1 kW	Degree of protection	IP55				

Remarks:

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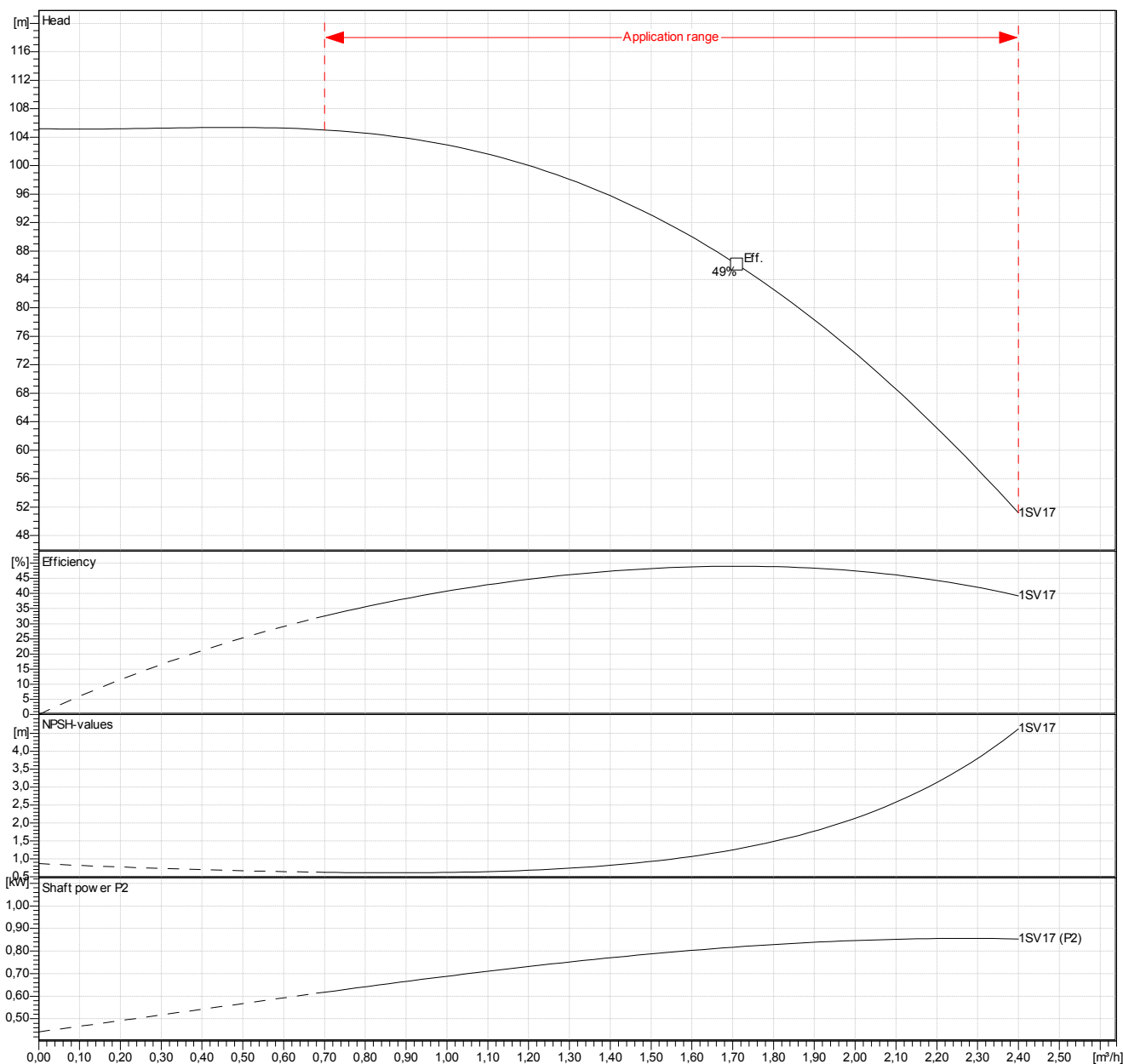
Hydraulic data

Operating Data Specification		Hydraulic data (duty point)		Impeller design	
Flow	0 m³/h	Flow		Impeller R	73 mm
Head	0 m	Head		Frequency	50 Hz
Static head	0 m	MEI $\geq 0,7$		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

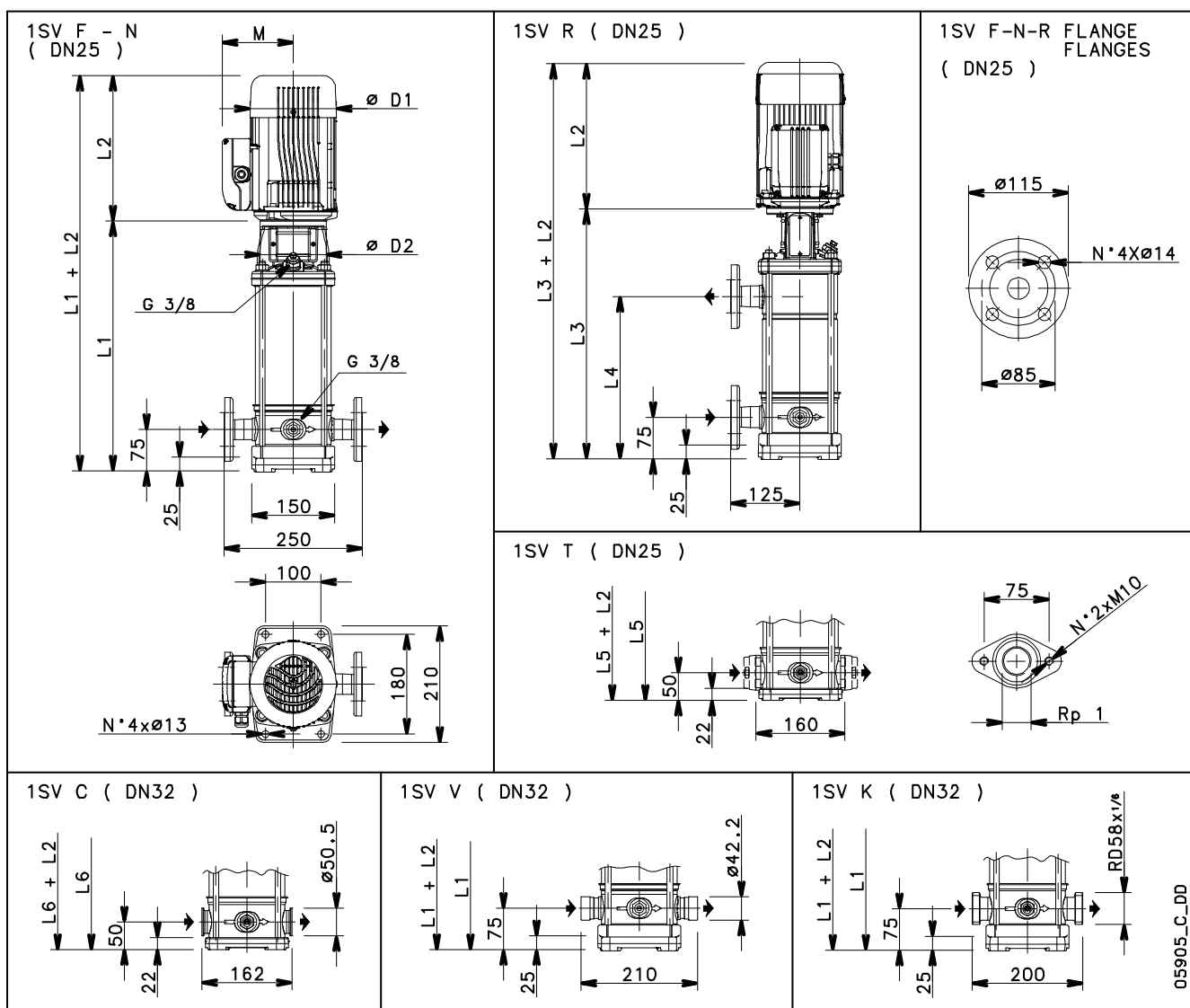


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Drawing



Dimensions mm

D1	155					Weight	
D2	120					26,6	kg
L1	568						
L2	263						
L3	568						
L4	407						
L5	543						
L6	543						
M	129						