

Customer	Date	1/5/2021
Contact	Project	
Phone number	Project no.	
Email		

3SV19F022T

1016LC591

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 4.4
Number of stages	19	Min-	m ³ /h
Max. casing pressure	kPa	Nominal	m
Max. working pressure	kPa 1416	Head at Qmax	m 66.7
Head H(Q=0)	m 140	at Qmin	m 144.3
Weight	kg 34	Shaft power	kW ()
Max. Impeller R	mm 79	Max. shaft power	kW 1.7
designed	mm 79	Efficiency	%
Min.	mm 79	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	220 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	7.97 A						

Remarks:

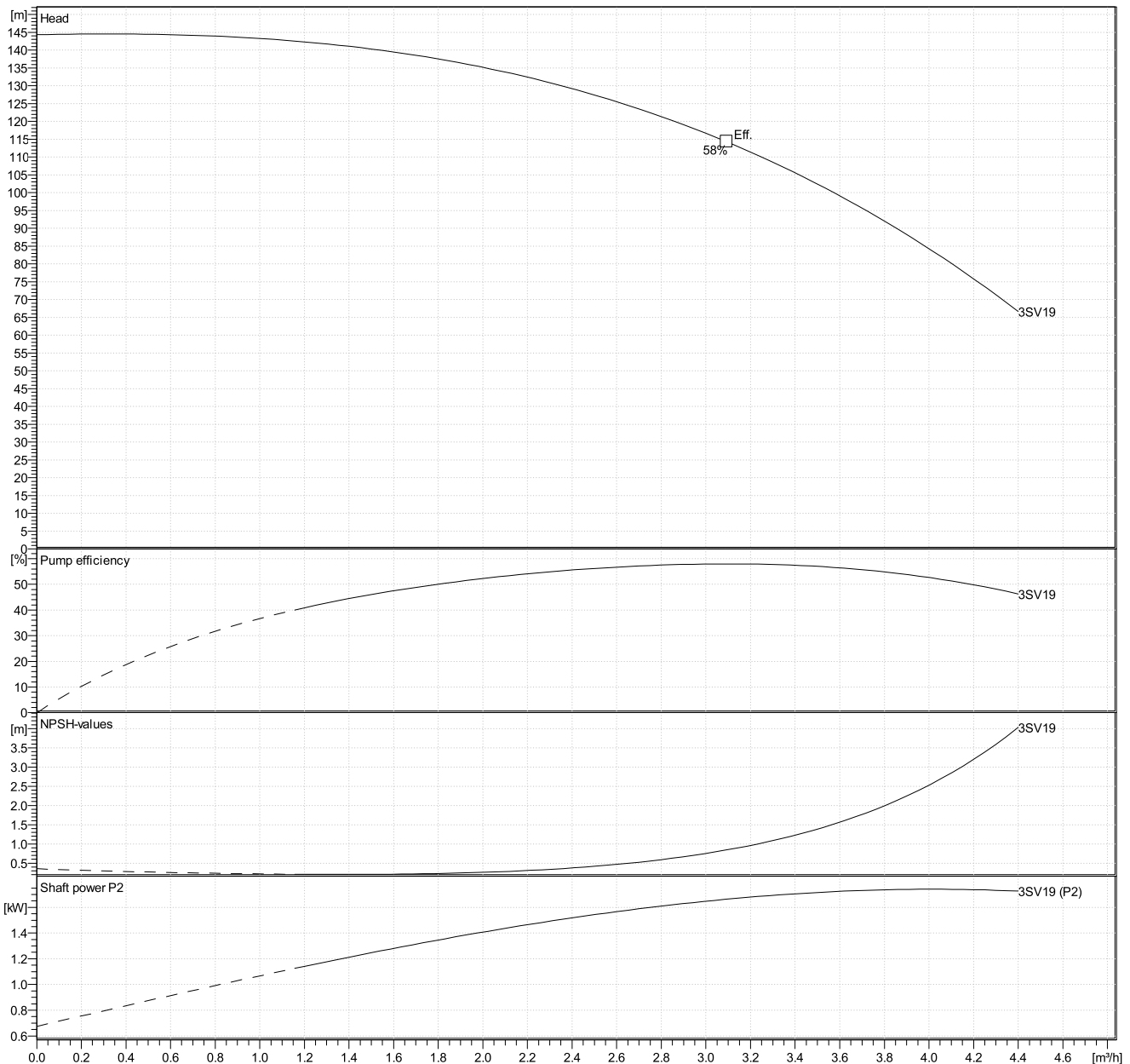
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Hydraulic data

Operating Data Specification		Hydraulic data (duty point)		Impeller design	
Flow	0 m ³ /h	Flow		Impeller R	79 mm
Head	0 m	Head		Frequency	50 Hz
Static head	0 m	MEI >=0,7		Speed	2900 rpm

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

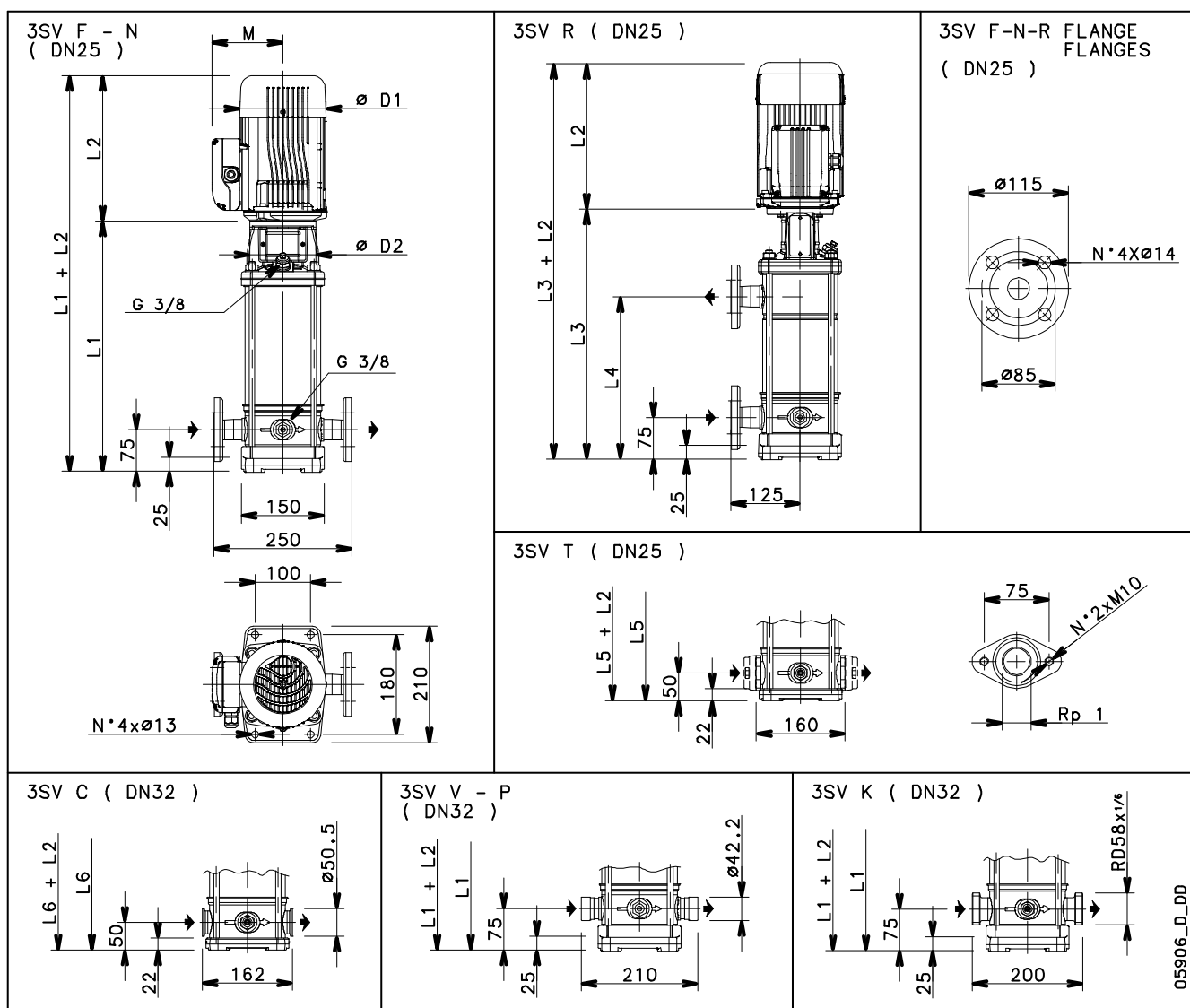


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Drawing



Dimensions mm

D1	174					Weight 34.4 kg
D2	140					
L1	618					
L2	298					
L3	618					
L4	447					
L5	593					
L6	593					
M	134					