



Customer	Date	2015-05-06
Contact	Project	
Phone number	Project no.	
Email		

3SV09F011T

1016LC491

Operating data

Pump type	Single head pump	Fluid	Water
No. of pumps / Reserve	1 / 0	Operating temperature t A	K 277
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	K 293	Solids	0
Available system NPSH	m 0	Altitude	m 1000

Pump data

Make	Lowara	Nominal	l/s ()
Speed	1/min 2900	Flow	Max- l/s 1.2
Number of stages	9		Min- l/s
Max. casing pressure	kPa	Nominal	m
Max. working pressure	kPa 664.9	Head	at Qmax m 30.7
Head H(Q=0)	m 68		at Qmin m 67.8
Weight	kg 23	Shaft power	kW ()
	Max. mm 79	Max. shaft power	kW .9
Impeller R	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
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	Stainless steel
Base	Aluminium
Wear ring	Technopolymer PPS

Shaft Seal

Single seal	Roten
SV - Uniten	
Rotating Assembly	Q1-Silicon carbide
Fixed Assembly	B-Resin impregnated carbon
Elastomers	E - EPDM
Springs	G-AISI 316
Other Components	G-AISI 316

Motor data

Manufacturer	Lowara	Electric voltage	220 V	Speed	2870 1/min	Insulation class	F
Specific design	IE3 Three phase surface motor			Frame size	80	Colour	RAL 5010
Type	SM80.../311 PE	Electric current	4.19 A				
Rated power	1.1 kW	Degree of protection	IP 55				

Remarks:



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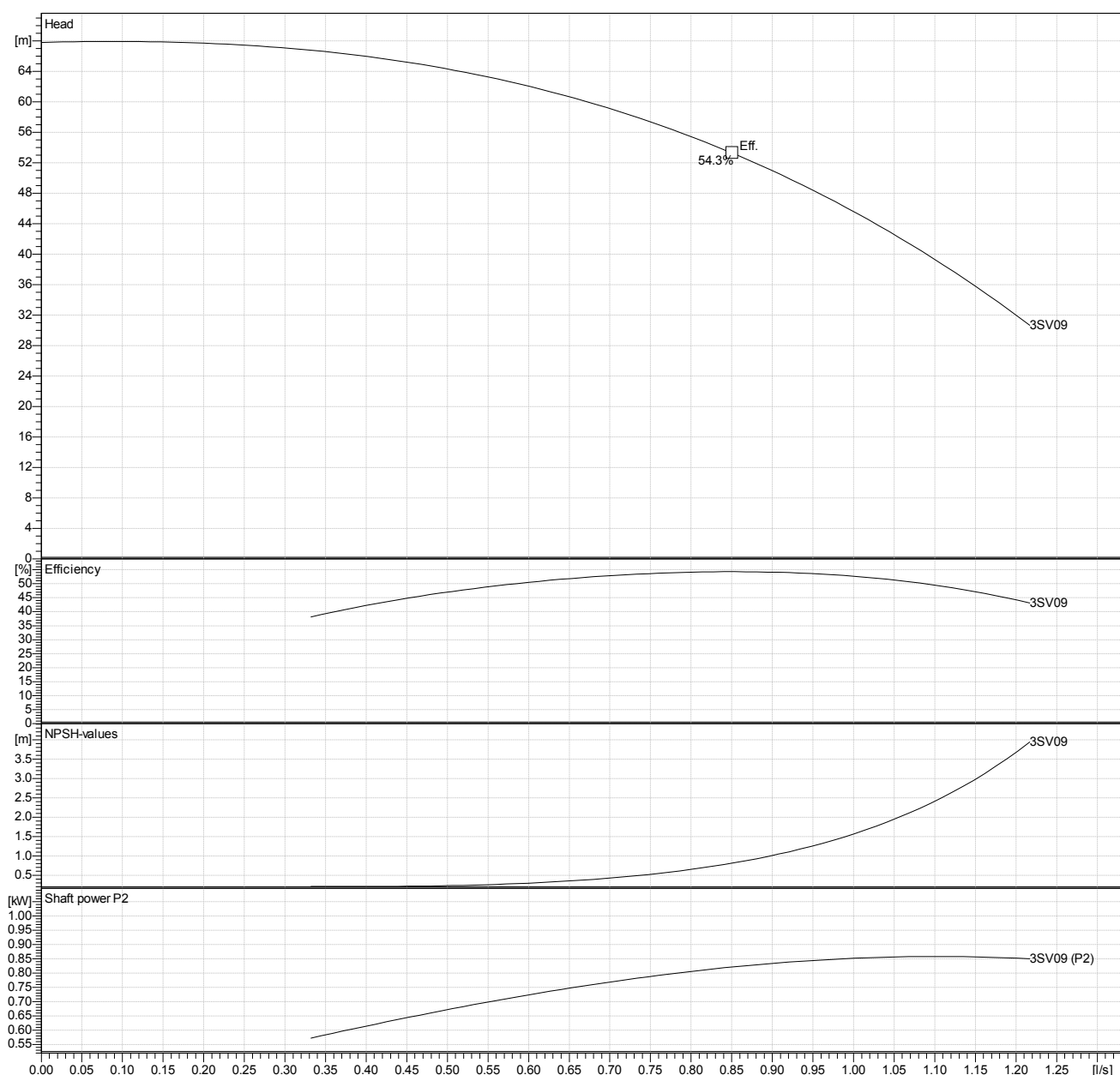
Hydraulic data

Operating Data Specification		Hydraulic data (duty point)		Impeller design	
Flow	0 l/s	Flow		Impeller R	79 mm
Head	0 m	Head		Frequency	50 Hz
Static head	0 m	MEI $\geq 0,7$		Speed	2900 1/min

Power datas refered to:

Water [100%] ; 277K; 1000kg/m³; 1.57mm²/s

Performance according to ISO 9906 - Annex A

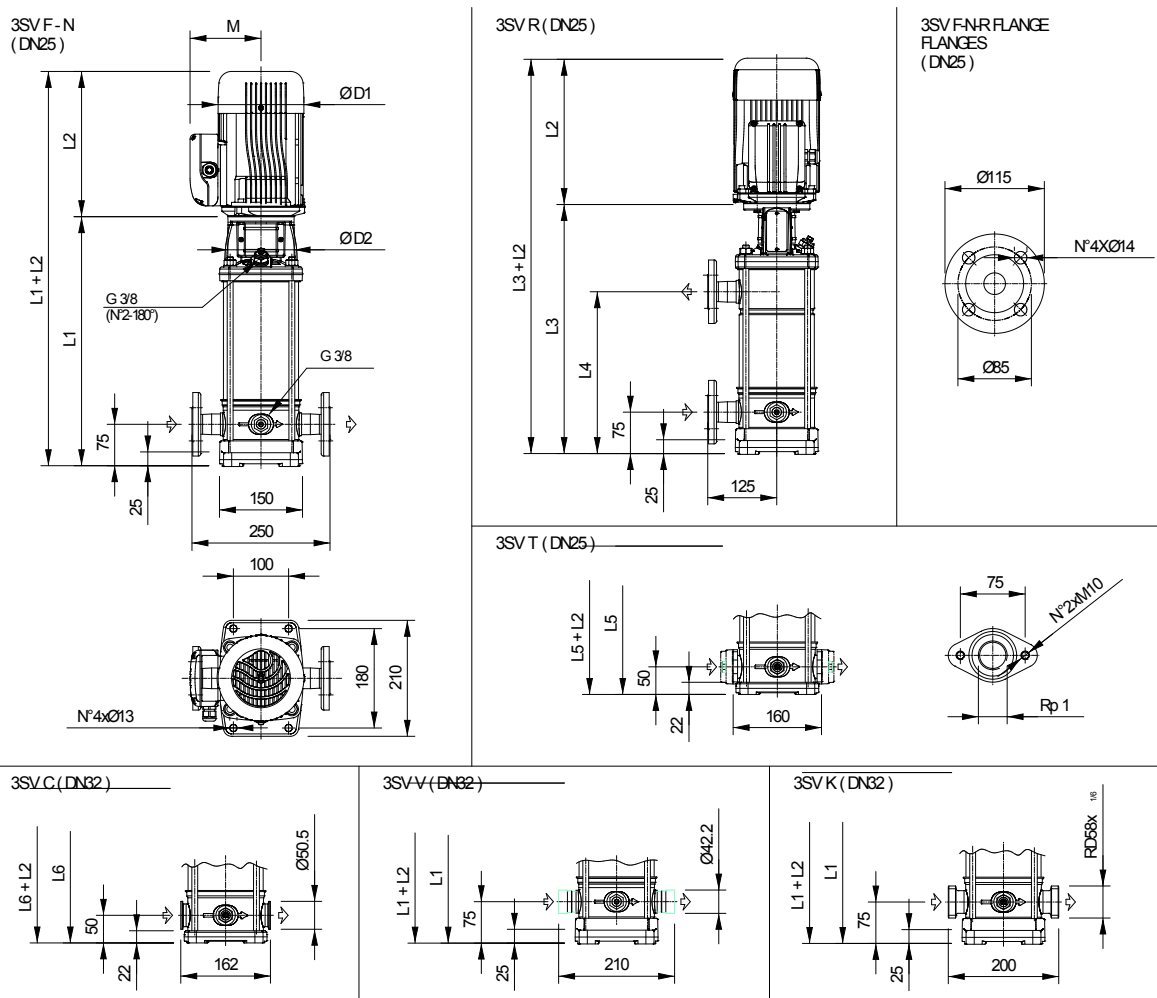




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Drawing



Dimensions mm

D1	155					Weight
D2	120					23.1 kg
L1	408					
L2	263					
L3	408					
L4	247					
L5	383					
L6	383					
M	129					