

Customer	Date	2017-05-05
Contact	Project	
Phone number	Project no.	
Email		

15SV04F0556T

1016L5781

Operating data

Pumpe type	Single head pump	Fluid	Water, pure
No. of pumps / Reserve	1 / 0	Operating temperature t A	°C 4
Nominal flow	l/min 0	pH-v value at t A	7
Nominal head	m 0	Density at t A	kg/dm ³ 1
Static head	m 0	Kin. viscosity at t A	mm ² /s 1.569
Inlet pressure	bar 0.098	Vapor pressure at t A	bar 0.0234
Environmental temperature	°C 20	Solids	0
Available system NPSH	m 0	Altitude	m 1000

Pump data

Make	Lowara	Nominal	l/min ()
Speed	1/min 3500	Flow	Max- l/min 483.1
Number of stages	4		Min- l/min
Max. casing pressure	bar	Nominal	m
Max. working pressure	bar 8.2	Head	at Qmax m 38.9
Head H(Q=0)	m 84		at Qmin m 83.9
Weight	kg 63	Shaft power	kW ()
	Max. mm 105	Max. shaft power	kW 5.5
Impeller R	designed mm 105	Efficiency	%
	Min. mm 105	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 plate	Stainless steel / AISI 304
Elastomers	EPDM
Coupling protection	Stainless steel / AISI 304
Shaft sleeve and bushing	Tungsten carbide
Fill / drain plugs	Stainless steel / AISI 304
Tie rods	Stainless steel
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	380 V	Speed	3505 1/min	Insulation class	155
Specific design	3 phase IE2 motors (high efficiency)			Frame size	112	Colour	RAL 5010
Type	PLM132RB5/355	Electric current	10.5 A				
Rated power	5.5 kW	Degree of protection	IP 55				

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Hydraulic data

Operating Data Specification		Hydraulic data (duty point)		Impeller design	
Flow	0 l/min	Flow		Impeller R	105 mm
Head	0 m	Head		Frequency	60 Hz
Static head	0 m	MEI	---	Speed	3500 1/min

Power data referred to:

Water, pure [100%] ; 4°C; 1kg/dm³; 1.57mm²/s

Performance according to ISO 9906 - Annex A



