

Customer	Date	2014-10-22
Contact	Project	
Phone number	Project no.	
Email		



10HM03N11M5HVBE
104606014

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/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	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 3.9
Number of stages	3		Min- l/s
Max. casing pressure	kPa	Nominal	m
Max. working pressure	kPa 349.8	Head	at Qmax m 16.1
Head H(Q=0)	m 36		at Qmin m 35.7
Weight	kg 17	Shaft power	kW ()
	Max. mm 73	Max. shaft power	kW 1
Laufrad O	designed mm 73	Efficiency	%
	Min. mm 73	NPSH 3%	m

Pump Materials

ADAPTER	Aluminium
DIFFUSER	Stainless steel
Fill / drain plugs	Stainless steel
Head	Stainless steel
IMPELLER	Stainless steel 316
Outer sleeve	Stainless steel
SEAL HOUSING	Stainless steel
SHAFT	Stainless steel
Shaft sleeve and bushing	Tungsten carbide
Tie rods	Stainless steel
WEAR RING	Technopolymer (PPS)
Ring with foot	Aluminium

Shaft Seal

Mechanical Seal	Roten
HM - uniten	
Rotating Assembly	V-Ceramic Alumina
Fixed Assembly	B-Carbon
Elastomers	E-EPDM
Springs	G-AISI 316
Other Components	G-AISI 316

Motor data

Manufacturer	Lowara	Electric voltage	230 V	Speed	2800 1/min	Insulation class	F
Specific design	Single phase pump motor			Frame size	56	Colour	RAL 5010
Type	SM80HM../1115	Electric current	6.88 A	Weight	0 kg		
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		Laufrad O	73 mm
Head	0 m	Head		Frequency	50 Hz
Static head	0 m			Speed	2900 1/min

Power data referred to:

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

Performance according to ISO 9906 - Annex A



