

Customer	Date	2017-07-24
Contact	Project	
Phone number	Project no.	
Email		

5HM02N05T6PVBE

104606954

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 8,4	pH-value at t A	7
Nominal head	m 9,5	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 0,0234
Environmental temperature	°C 4	Solids	0
Available system NPSH	m 0	Altitude	m 1000

Pump data

Make	Lowara	Nominal	m³/h 8,9 (8,9)
Speed	1/min 3500	Flow	Max- m³/h 10,2
Number of stages	2	Min-	m³/h
Max. casing pressure	bar	Nominal	m 10,7
Max. working pressure	bar 2,2	Head	at Qmax m 7,6
Head H(Q=0)	m 21	at Qmin	m 21,2
Weight	kg 7	Shaft power	kW ,4 (,4)
Impeller Ø	Max. mm 76	Max. shaft power	kW ,4
	designed mm 76	Efficiency	% 59,86
	Min. mm 76	NPSH 3%	m 3,1

Pump Materials

Adapter	Aluminium
Bolts and screws	Stainless steel
Diffuser	Stainless steel
Elastomers	EPDM
Fill / drain plugs	Stainless steel
impeller	Stainless steel 316
Pump body	Stainless steel
Seal casing	Stainless steel
Shaft	Stainless steel
Wear ring	Technopolymer (PPS)

Shaft Seal

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

Mechanical seal Ceramic / Carbon / EPDM

Motor data

Manufacturer	Lowara	Electric voltage	400 V	Speed	3360 1/min	Insulation class	F
Specific design	IE3 Three phase surface motor - e-HM			Frame size	56	Colour	RAL 5010
Type	SM63HM../305	Electric current	1,26 A	Weight	0 kg		
Rated power	0,5 kW	Degree of protection	IP 55				

Remarks:

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Hydraulic Data

Operating Data Specification		Hydraulic data (duty point)		Impeller design	
Flow	8,4 m ³ /h	Flow	8,9 m ³ /h	Impeller Ø	76 mm
Head	9,5 m	Head	10,7 m	Frequency	60 Hz
Static head	0 m			Speed	3500 1/min

Power datas referred to:
 Water, pure [100%]; 4°C; 1kg/dm³; 1,57mm²/s
 Performance according to ISO 9906 - Annex A



