

Customer	Date	12/3/2020
Contact	Project	
Phone number	Project no.	
Email		

1HME11S07M02QBE

104630031

Operating data

Pump type	Single head pump	Fluid	Water, pure
No. of pumps / Reserve	1 / 0	Operating temperature t A	°C 4
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	°C 20	Solids	0
Available system NPSH	m 0	Altitude	m 0

Pump data

Make	Lowara	Nominal	l/s ()
Speed	rpm 2900	Flow	Max- l/s .8
Number of stages	11		Min- l/s .2
Max. casing pressure	kPa	Nominal	m
Max. working pressure	kPa 969.9	Head	at Qmax m 38
Head H(Q=0)	m 99		at Qmin m 99.6
Weight	kg 13	Shaft power	kW ()
	Max. mm 73	Max. shaft power	kW .8
Impeller R	designed mm 73	Efficiency (Hydraulic+Motor+Drive)	%
	Min. mm 73	NPSH 3%	m

Pump Materials

Adapter	Aluminium
Bolts and screws	Stainless steel
Diffuser	Stainless steel
Fill / drain plugs	Stainless steel
Impeller	Stainless steel 304
Pump body	Stainless steel
SEAL HOUSING	Stainless steel
Shaft	Stainless steel
Wear Ring	Technopolymer

Shaft Seal

Mechanical Seal	Burgmann
HM - MG1S2	
Rotating Assembly	Q1-Silicon carbide
Fixed Assembly	B-Carbon
Elastomers	E-EPDM
Springs	G-AISI 316
Other Components	G-AISI 316

Motor data

Manufacturer	Lowara	Electric voltage	240 V	Speed	3600 rpm	Insulation class	F
Specific design	Single phase e-SM motor			Frame size	80	Colour	RAL 5010
Type	ESM80/107 HM	Electric current	3.27 A				
Rated power	0.75 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	73 mm
Head	0 m	Head		Frequency	50 Hz
Static head	0 m			Speed	2900 rpm

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



