

Customer	Date	1/6/2021
Contact	Project	
Phone number	Project no.	
Email		

## 3HM05P07M5HVBE

104600660

### Operating data

Pump type	Single head pump	Fluid	Water
No. of pumps / Reserve	1 / 0	Operating temperature t A	°C 4
Nominal flow	m <sup>3</sup> /h 0	pH-value at t A	7
Nominal head	m 0	Density at t A	kg/m <sup>3</sup> 1000
Static head	m 0	Kin. viscosity at t A	mm <sup>2</sup> /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	m <sup>3</sup> /h ( )
Speed	rpm 2900	Flow	Max- m <sup>3</sup> /h 4.2
Number of stages	5		Min- m <sup>3</sup> /h
Max. casing pressure	kPa	Nominal	m
Max. working pressure	kPa 572.7	Head	at Qmax m 22.8
Head H(Q=0)	m 58		at Qmin m 58.4
Weight	kg 10	Shaft power	kW ( )
	Max. mm 73	Max. shaft power	kW .7
Impeller R	designed mm 73	Efficiency	%
	Min. mm 73	NPSH 3%	m

### Pump Materials

Pump body	Stainless steel / AISI 304
Impeller	Technopolymer Noryl
Diffuser	Stainless steel / AISI 304
Shaft	Stainless steel / AISI 304
Adapter	Aluminium
SEAL HOUSING	Stainless steel / AISI 304
Fill / drain plugs	Nickel-plated brass
Wear Ring	Technopolymer
Bolts and screws	Stainless steel / AISI 304

### Shaft Seal

e-HM Mechanical seal	Roten
e-HM - Roten	
1 - Rotating part	Aluminium oxide (Ceramic)
2 - Stationary part	Carbon, resin-impregnated
3 - Elastomers	EPDM
4 - Springs	AISI 316
5 - Other components	AISI 316

### Motor data

Manufacturer	Lowara	Electric voltage	230 V	Speed	2765 rpm	Insulation class	155 (F)
Specific design	Single phase surface motor			Frame size	71	Colour	RAL 5010
Type	SM71HM../1075 [5H] = 220-240V						
Rated power	0.75 kW	Degree of protection	IP55				
Electric current	4.9 A						

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**Hydraulic data**

Operating Data Specification		Hydraulic data (duty point)		Impeller design	
Flow	0 m <sup>3</sup> /h	Flow		Impeller R	73 mm
Head	0 m	Head		Frequency	50 Hz
Static head	0 m			Speed	2900 rpm

Power data referred to:  
Water [100%] ; 4°C; 1000kg/m<sup>3</sup>; 1.57mm<sup>2</sup>/s  
Performance according to ISO 9906:2012 – Grade 3B



