

# 1HME08S05T05VBE

## Technical data

**Company name**  
**Contact**  
**Phone number**  
**e-mail address**

### Operating data

Pumpe type	Single head pump	Fluid	Water, pure
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	Flow	Max- m <sup>3</sup> /h 2.8
Number of stages	8	Min-	m <sup>3</sup> /h .8
		Nominal	m
Max. working pressure	kPa 692.8	Head	at Qmax m 29.8
Head H(Q=0)	m 71		at Qmin m 72.2
Weight	kg 17	Power input	kW
	Max. mm	Max. shaft power	kW 0.588
Impeller R	designed mm	Efficiency (Hydraulic+Motor+Drive)	%
	Min. mm		

### 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	
HM - uniten	Roten
Rotating Assembly	V-Ceramic
Fixed Assembly	B-Resin impregnated 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	Three phase e-SM motor			Frame size	80	Colour	RAL 5010
Type	ESM80/305 HM..	Electric current	2.52 A				
Rated power	0.55 kW	Degree of protection	IP 55				

### Remarks:

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## Performance curve

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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	0 mm
Head	0 m	Head		Frequency	50 Hz
Static head	0 m			Speed	

**Power datas referred to:**

Water, pure [100%] ; 4°C; 1000kg/m<sup>3</sup>; 1.57mm<sup>2</sup>/s

Performance according to ISO 9906:2012 – Grade 3B



