

3HM19S22T5RQBE

Technical data

Company name
Contact
Phone number
e-mail address

Operating data

Pump type	Single head pump	Fluid	Water
Available system NPSH	m 0	Operating temperature t A	°C 4
Nominal flow	m³/h 0	pH-value at t A	7
Nominal head	m 0	Density at t A	kg/m³ 1000
Static head	m 0	Kin. viscosity at t A	mm²/s 1.569
Inlet pressure	kPa 0	Vapor pressure at t A	kPa 100
Environmental temperature	°C 20	Solids	0
		Altitude	m 0

Pump data

Make	Lowara	Nominal	m³/h ()
Speed	rpm 2900	Flow	Max- m³/h 4.4
Number of stages	19		Min- m³/h
Max. casing pressure	kPa		Nominal m
Max. working pressure	kPa 1414.8	Head	at Qmax m 65.7
Head H(Q=0)	m 140		at Qmin m 144.2
Weight	kg 25	Shaft power	kW ()
	Max. mm 73	Max. shaft power	kW 1.7
Impeller R	designed mm 73	Efficiency	%
	Min. mm 73	NPSH 3%	m

Pump Materials

Head	Stainless steel / AISI 304
Impeller	Stainless steel / AISI 304
Diffuser	Stainless steel / AISI 304
Outer sleeve	Stainless steel / AISI 304
Shaft	Stainless steel / AISI 316
Adapter	Aluminium
Ring with foot	Aluminium
SEAL HOUSING	Stainless steel / AISI 304
Shaft sleeve and bushing	Tungsten carbide
Fill / drain plugs	Stainless steel / AISI 316
Tie rods	Stainless steel / AISI 431
Wear ring	Technopolymer

Shaft Seal

e-HM Mechanical seal	Burgmann
e-HM - Burgmann	
1. Rotating ring	Silicon Carbide
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	2890 rpm	Insulation class	F
Specific design	IE3 3ph Flange Motor			Frame size	90	Colour	RAL 5010
Type	PLM90HM/322 E3						
Rated power	2.2 kW	Degree of protection	IP55				
Electric current	7.9 A						

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 ³ /h	Flow	Impeller R	73 mm
Head	0 m	Head	Frequency	50 Hz
Static head	0 m		Speed	2900 rpm

Power datas referred to:

Water [100%] ; 4°C; 1000kg/m³; 1.57mm²/s

Performance according to ISO 9906:2012 – Grade 3B



