

1HM03S03T6PVBE

Technical data

Company name
Contact
Phone number
e-mail address

Operating data

Pump type	Single head pump	Fluid	Water
Available system NPSH	ft 0	Operating temperature t A	°F 39.2
Nominal flow	US g.p.m. 0	pH-value at t A	7
Nominal head	ft 0	Density at t A	lb/ft ³ 62.4
Static head	ft 0	Kin. viscosity at t A	ft ² /s 1.689E-5
Inlet pressure	psi 0	Vapor pressure at t A	psi 14.5
Environmental temperature	°F 68	Solids	0
		Altitude	ft 0

Pump data

Make	Lowara	Nominal	US g.p.m.	()
Speed	rpm 2900	Flow	Max-	US g.p.m. 12.3
Number of stages	3		Min-	US g.p.m.
Max. casing pressure	psi		Nominal	ft
Max. working pressure	psi 36.3	Head	at Qmax	ft 44.1
Head H(Q=0)	ft 84		at Qmin	ft 83.6
Weight	lb 13	Shaft power	hp	()
	Max. inch 2 7/8	Max. shaft power	hp	.3
Impeller R	designed inch 2 7/8	Efficiency	%	
	Min. inch 2 7/8	NPSH 3%	ft	

Pump Materials

Pump body	Stainless steel / AISI 304
Impeller	Stainless steel / AISI 304
Diffuser	Stainless steel / AISI 304
Shaft	Stainless steel / AISI 316
Adapter	Aluminium
SEAL HOUSING	Stainless steel / AISI 304
Fill / drain plugs	Stainless steel / AISI 316
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	220 V	Speed	3275 rpm	Insulation class	F
Specific design	IE2 3ph Flange Motor			Frame size	63	Colour	RAL 5010
Type	SM63HM/303 E2						
Rated power	0.40231 hp	Degree of protection	IP55				
Electric current	1.42 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 US g.p.m.	Flow		Impeller R	2 7/8 inch
Head	0 ft	Head		Frequency	60 Hz
Static head	0 ft			Speed	2900 rpm

Power datas referred to:

Water [100%] ; 39.2°F; 62.4lb/ft³; 1.69E-5ft²/s

Performance according to ISO 9906:2012 – Grade 3B



