

## 3HME05S05M02VBE

### Technical data

Company name  
Contact  
Phone number  
e-mail address

#### Operating data

Pump 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 2900	Flow	Max- m <sup>3</sup> /h 5.2
Number of stages	5		Min- m <sup>3</sup> /h 1.4
Max. casing pressure	kPa	Nominal	m
Max. working pressure	kPa 542.8	Head	at Qmax m 15.2
Head H(Q=0)	m 55		at Qmin m 56.2
Weight	kg 10	Shaft power	kW ( )
	Max. mm 73	Max. shaft power	kW .6
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	Roten
HM - uniten	
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	208 V	Speed	3600 rpm	Insulation class	F
Specific design	Single phase e-SM motor			Frame size	80	Colour	RAL 5010
Type	ESM80/105 HM	Electric current	2.3 A				
Rated power	0.55 kW	Degree of protection	IP 55				

#### Remarks:

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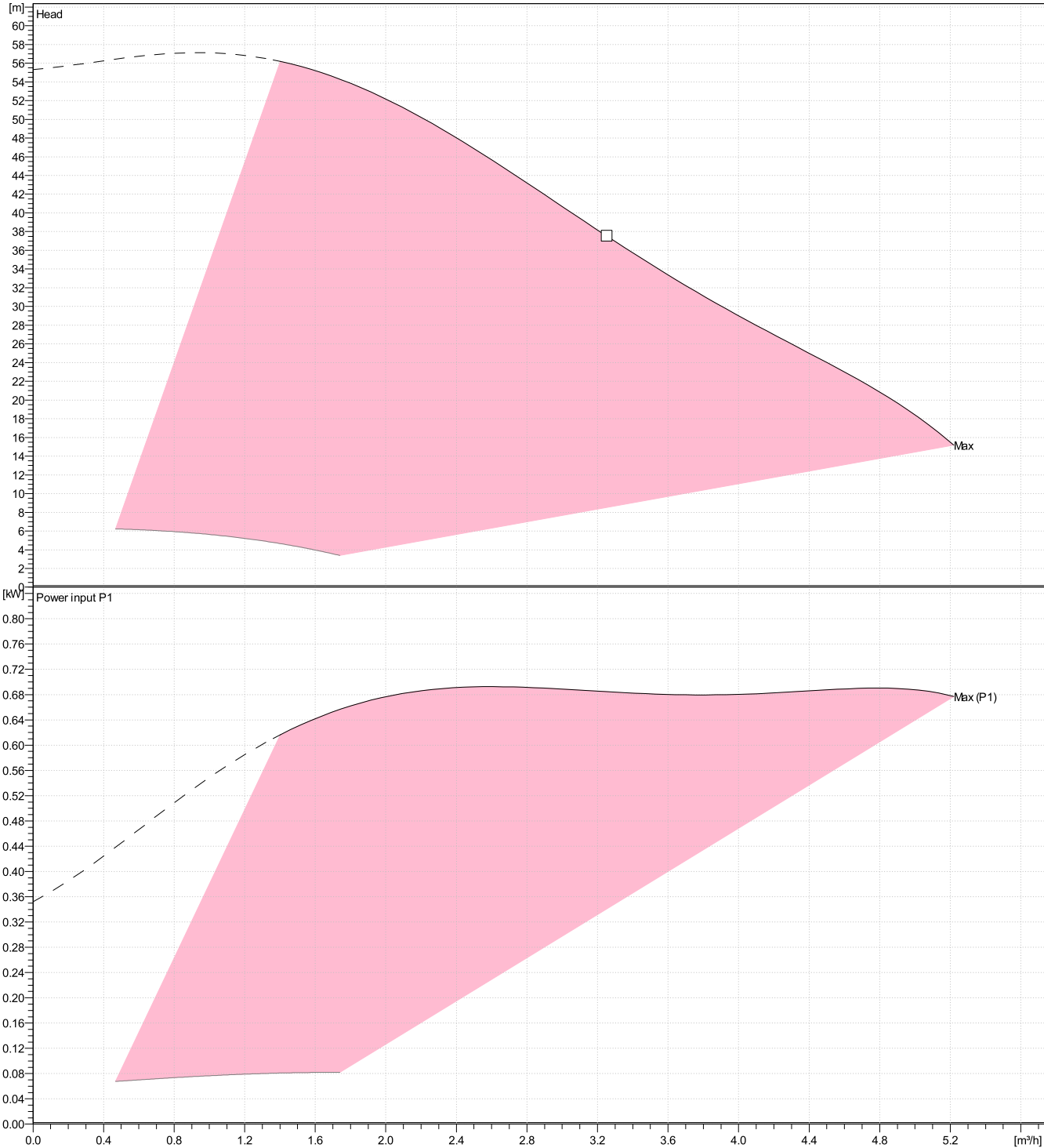
## Performance curve

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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	73 mm
Head	0 m	Head		Frequency	50 Hz
Static head	0 m			Speed	2900 rpm

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

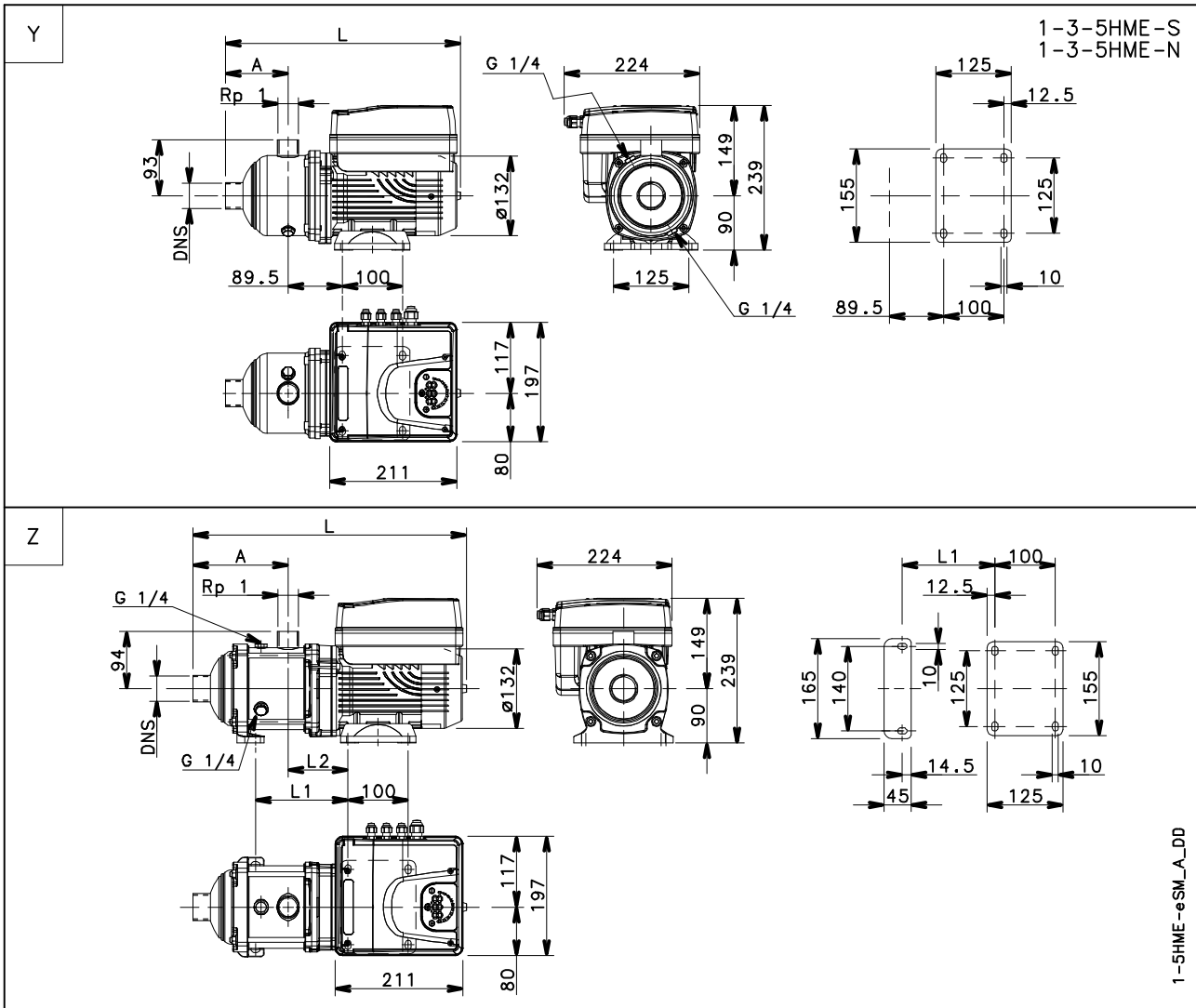


**3HME05S05M02VBE**

**Dimensions**

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**Drawing**



**Dimensions mm**

A	127					Weight 10 kg
DNS	Rp 1					
Drawing	Y					
L	414					
PN	10					