

# 1HM07S05M5HVBE

## 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	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
		Altitude	m 0

### Pump data

Make	Lowara	Nominal	m <sup>3</sup> /h ( )
Speed	rpm 2900	Flow	Max- m <sup>3</sup> /h 2.4
Number of stages	7	Min-	m <sup>3</sup> /h .7
Max. casing pressure	kPa	Nominal	m
Max. working pressure	kPa 412.7	Head	at Qmax m 20.2
Head H(Q=0)	m 42	at Qmin	m 41.5
Weight	kg 10	Shaft power	kW ( )
	Max. mm 73	Max. shaft power	kW .3
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	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	221 V	Speed	2810 rpm	Insulation class	F
Specific design	IE2 1ph Flange Motor			Frame size	71	Colour	RAL 5010
Type	SM71HM/105 E2						
Rated power	0.55 kW	Degree of protection	IP55				
Electric current	3.33 A						

### Remarks:

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## Performance curve

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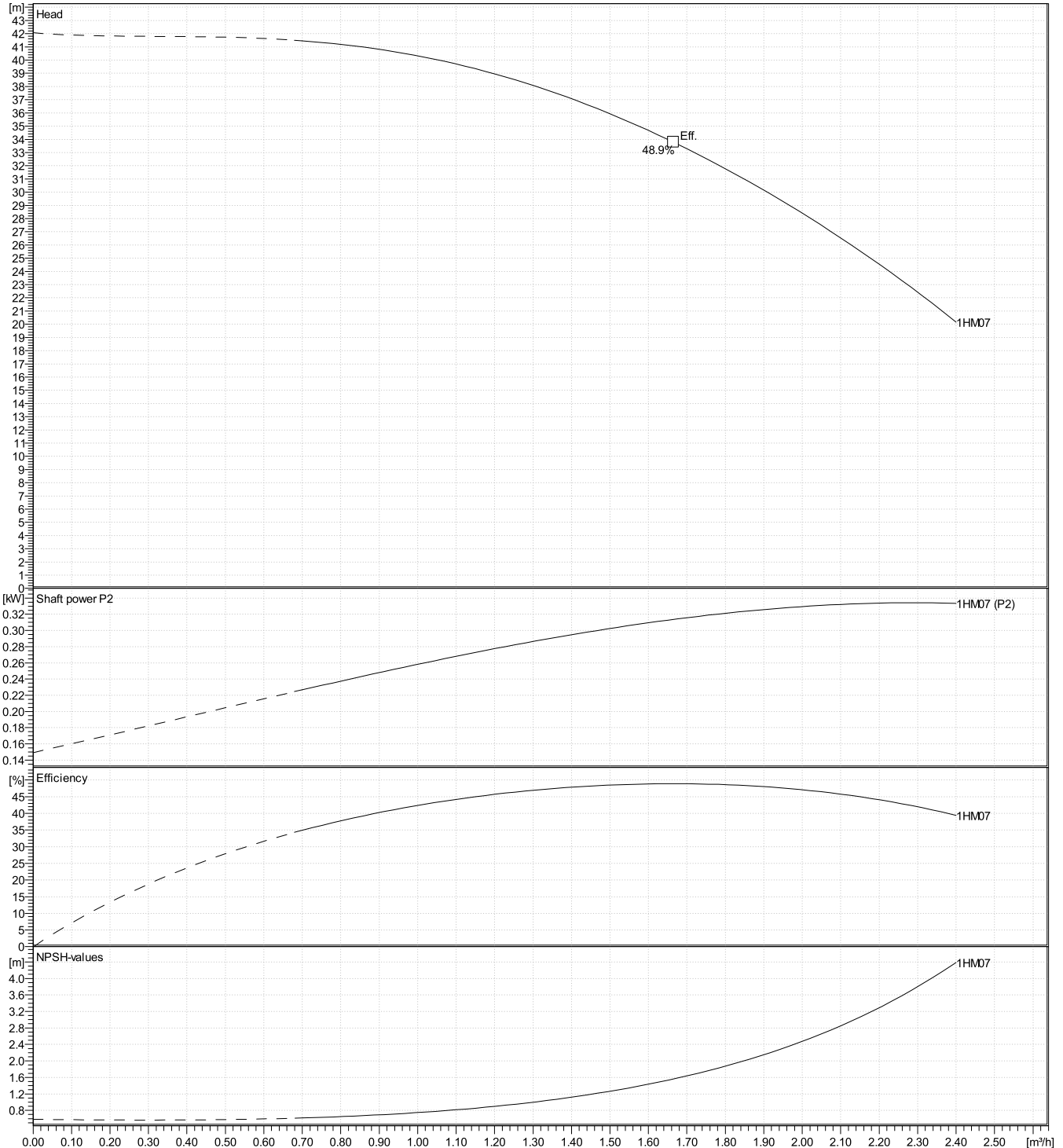
### Hydraulic data

Operating Data Specification		Hydraulic data (duty point)		Impeller design	
Flow	0 m <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 [100%] ; 4°C; 1000kg/m<sup>3</sup>; 1.57mm<sup>2</sup>/s

Performance according to ISO 9906:2012 – Grade 3B

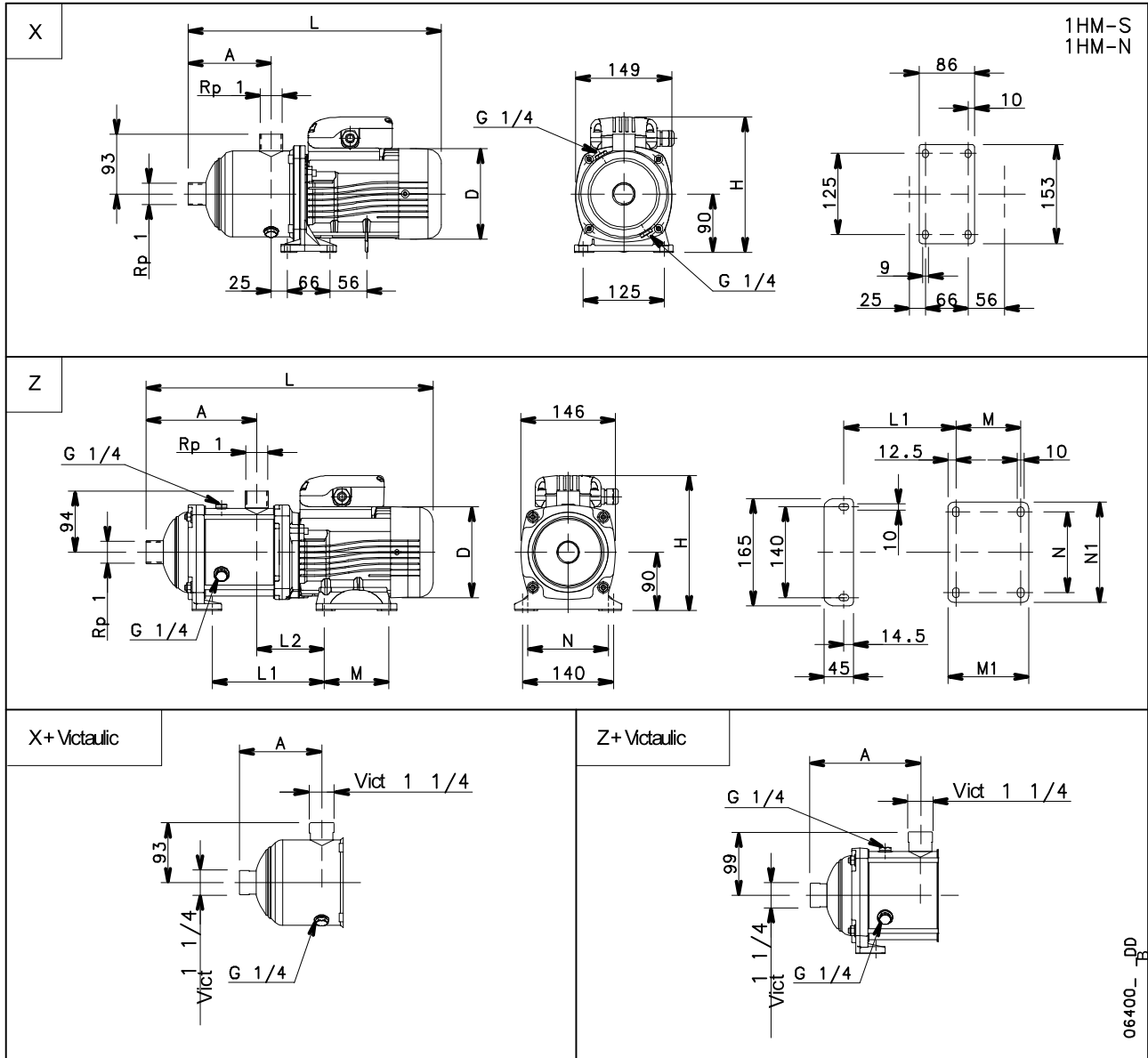


**1HM07S05M5HVBE**

**Dimensions**

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**Drawing**



**Dimensions mm**

A	151	M1	125			Weight 10 kg
D	140	N	125			
Dwg.	Z	N1	155			
H	211	PN	10bar			
L	424					
L1	153					
L2	104					