

# 1HM05P11T6PVBE

## 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 <sup>3</sup> 62.4
Static head	ft 0	Kin. viscosity at t A	ft <sup>2</sup> /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 3500	Flow	Max-	US g.p.m. 13.2
Number of stages	5		Min-	US g.p.m.
Max. casing pressure	psi		Nominal	ft
Max. working pressure	psi 119.3	Head	at Qmax	ft 131.6
Head H(Q=0)	ft 280		at Qmin	ft 275.2
Weight	lb 31	Shaft power	hp	( )
	Max. inch 4 1/32	Max. shaft power	hp	1.4
Impeller R	designed inch 4 1/32	Efficiency	%	
	Min. inch 4 1/32	NPSH 3%	ft	

### Pump Materials

Pump body	Stainless steel / AISI 304
Impeller	Technopolymer Noryl
Diffuser	Stainless steel / AISI 304
Shaft	Stainless steel / AISI 304
Adapter	Aluminium
SEAL HOUSING	Stainless steel / AISI 304
Fill / drain plugs	Nickel-plated brass
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	3495 rpm	Insulation class	F
Specific design	IE3 3ph Flange Motor			Frame size	80	Colour	RAL 5010
Type	SM80HM/311 E3						
Rated power	1.4751 hp	Degree of protection	IP55				
Electric current	4.24 A						

### Remarks:

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## Performance curve

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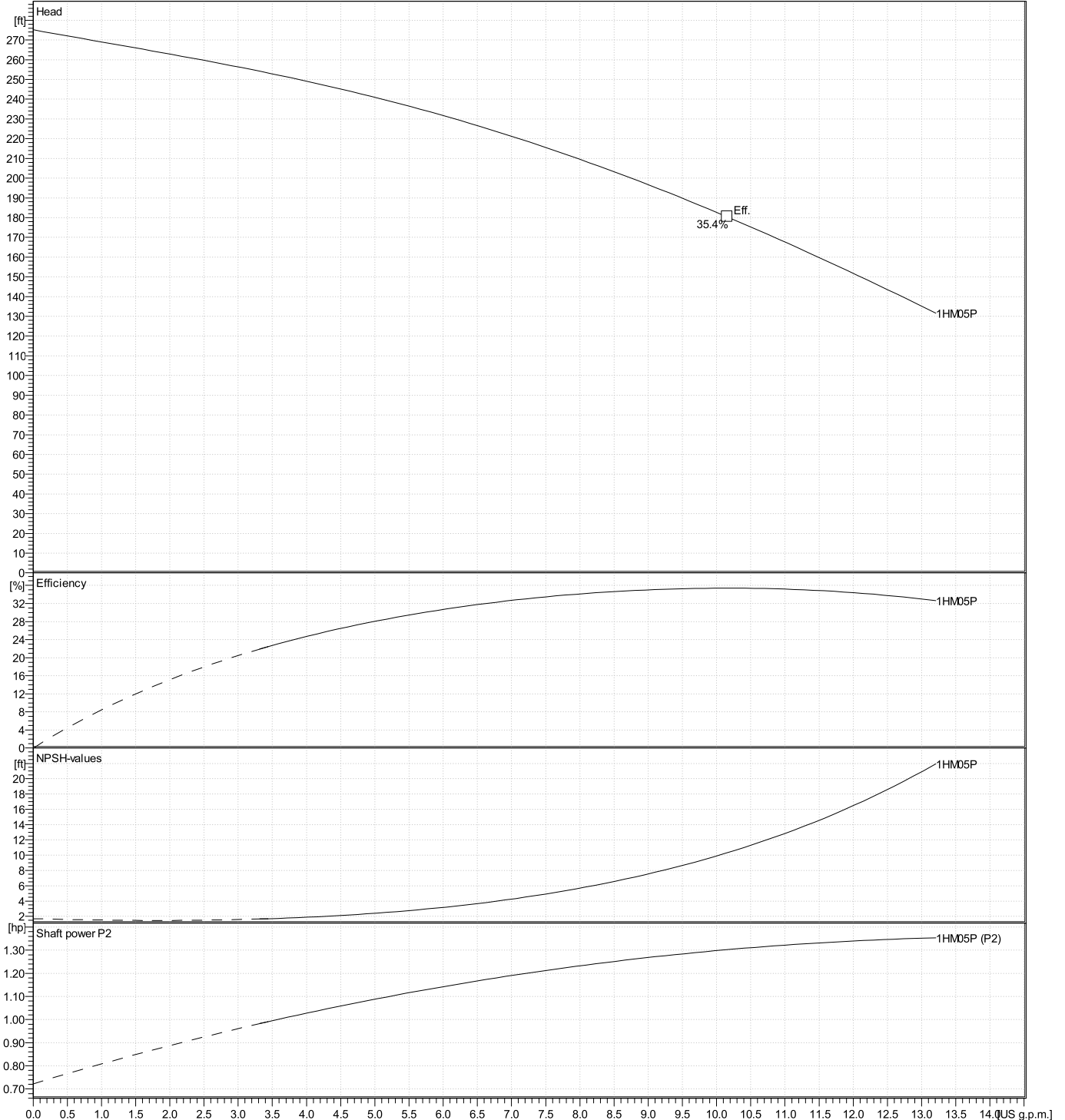
### Hydraulic data

Operating Data Specification		Hydraulic data (duty point)		Impeller design	
Flow	0 US g.p.m.	Flow		Impeller R	4 1/32 inch
Head	0 ft	Head		Frequency	60 Hz
Static head	0 ft			Speed	3500 rpm

**Power datas referred to:**

Water [100%] ; 39.2°F; 62.4lb/ft<sup>3</sup>; 1.69E-5ft<sup>2</sup>/s

Performance according to ISO 9906:2012 – Grade 3B

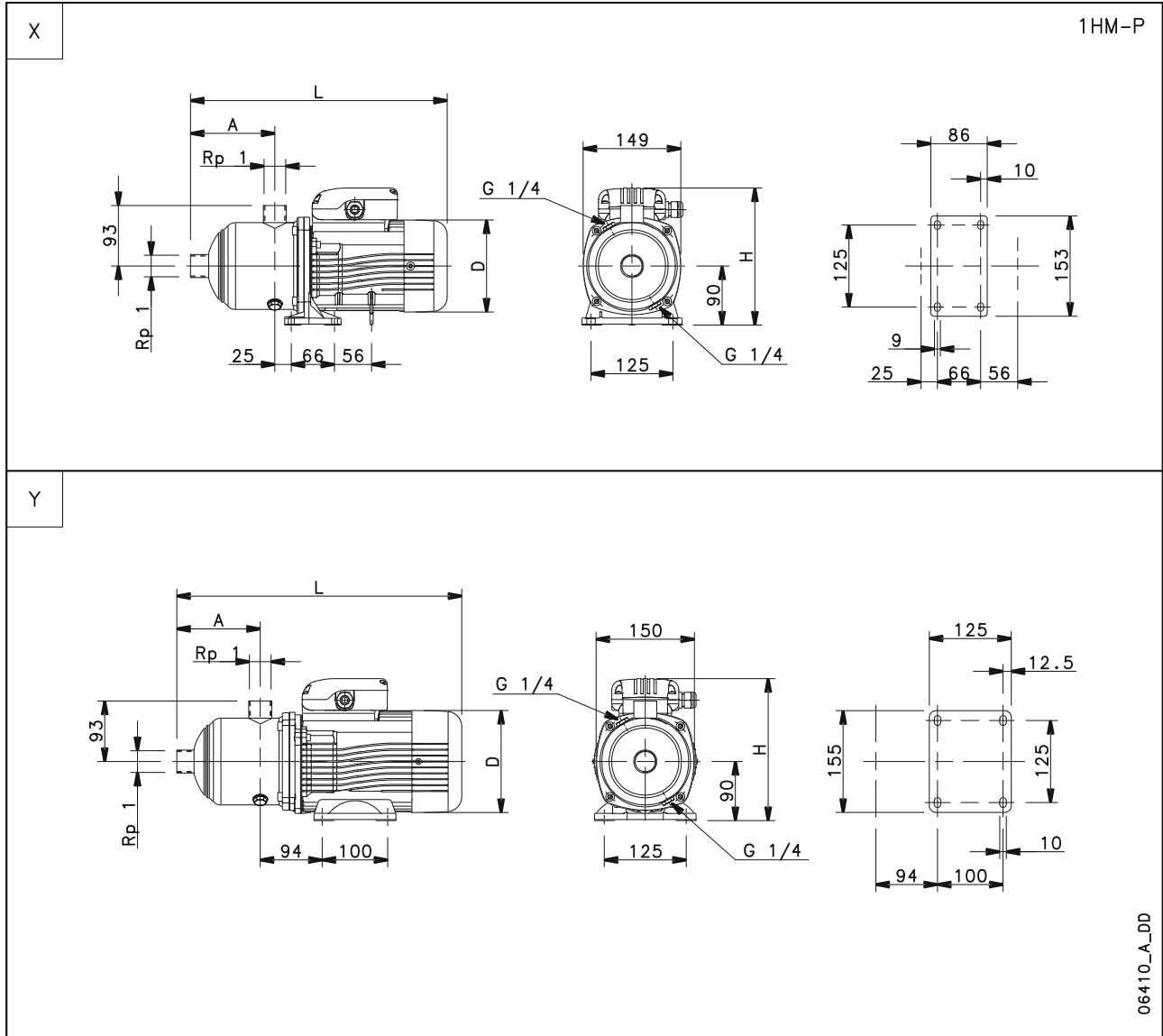


**1HM05P11T6PVBE**

**Dimensions**

Company name  
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**Drawing**



06410\_A\_DD

**Dimensions inch**

A	5					Weight 30 lb
D	6 <sup>1</sup> / <sub>8</sub>					
Drawing	Y					
H	8 <sup>5</sup> / <sub>8</sub>					
L	17 <sup>1</sup> / <sub>8</sub>					
PN	3 <sup>3</sup> / <sub>8</sub>					