LOWARA
a xylem brand

e-HM Technical Data

Customer	Date 2017-02-14
Contact	Project
Phone number	Project no.
Email	

1HM02S03T5RVBE

104604011

Operating data

Pumpe type	Single head pump		Fluid			Water, pure
No. of pumps / Reserve		1 / 0	Operating temperature t A		°C	4
Nominal flow		l/s 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
Available system NPSH		m 0	Altitude		m	1000

Pump data

Make	Lowara			Nominal	l/s	( )
Speed		rpm 2900	Flow	Max-	l/s .7	
Number of stages		2		Min-	l/s	
Max. casing pressure		kPa		Nominal	m	
Max. working pressure		kPa 117.5	Head	at Qmax	m 5.9	
Head H(Q=0)		m 12		at Qmin	m 12	
Weight		kg 6	Shaft power		kW	( )
	Max.	mm 73	Max. shaft power		kW .1	
Impeller R	designed	mm 73	Efficiency		%	
	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
Shaft	Stainless steel
Wear ring	Technopolymer
Seal casing	Stainless steel

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	400 V	Speed	2745 rpm	Insulation class	F
Specific design	Three phase surface motor - e-HM			Frame size	56	Colour	RAL 5010
Type	SM63HM../303	Electric current	0.98 A	Weight	0 kg		
Rated power	0.3 kW	Degree of protection	IP 55				

Remarks:

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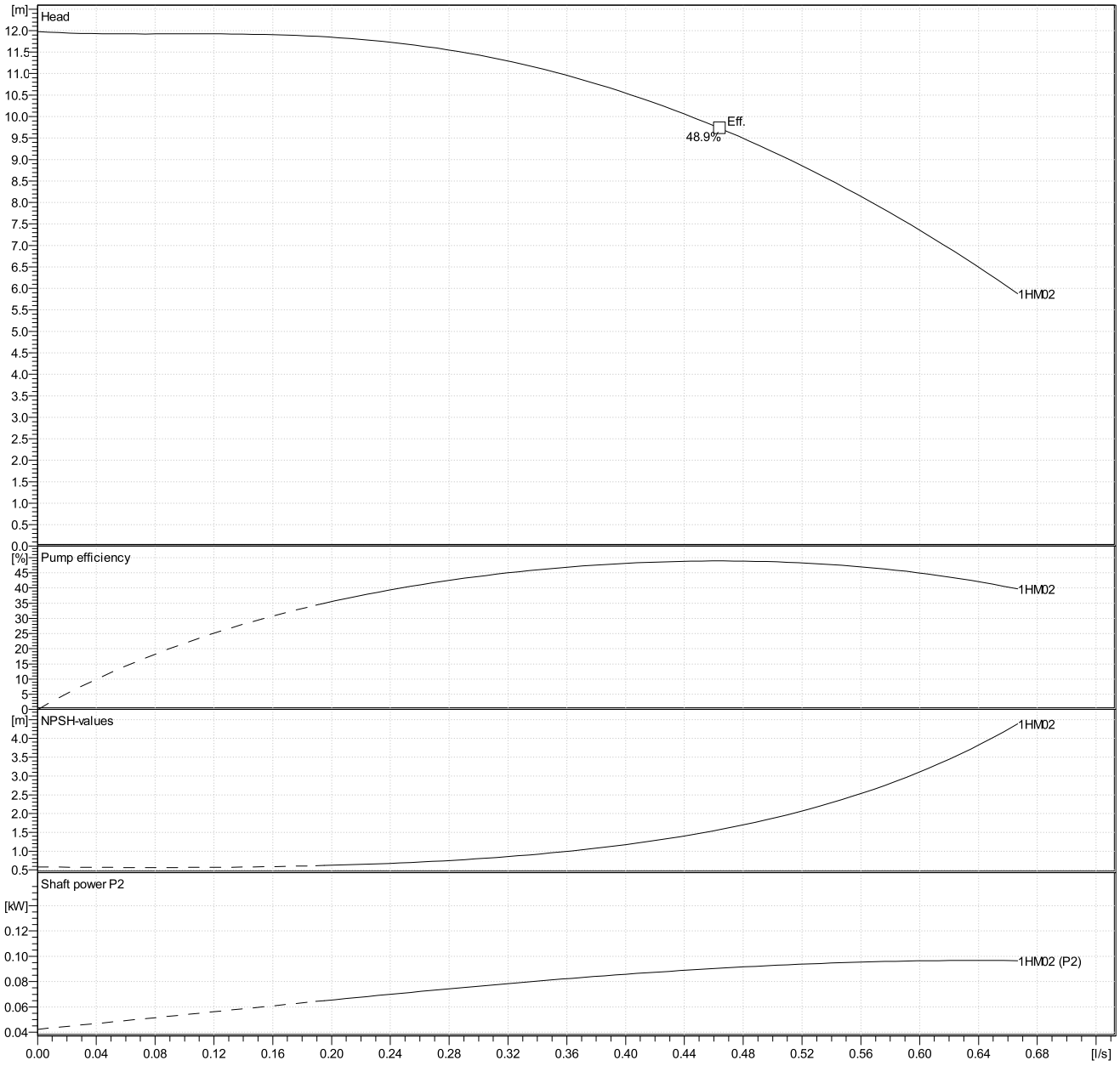
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Hydraulic Data

Operating Data Specification		Hydraulic data (duty point)		Impeller design	
Flow	0 l/s			Impeller R	73 mm
Head	0 m	Flow		Frequency	50 Hz
Static head	0 m	Head		Speed	2900 rpm

Power datas referced to:
Water, pure [100%] ; 4°C; 1000kg/m³; 1.57mm²/s
Performance according to ISO 9906 - Annex A



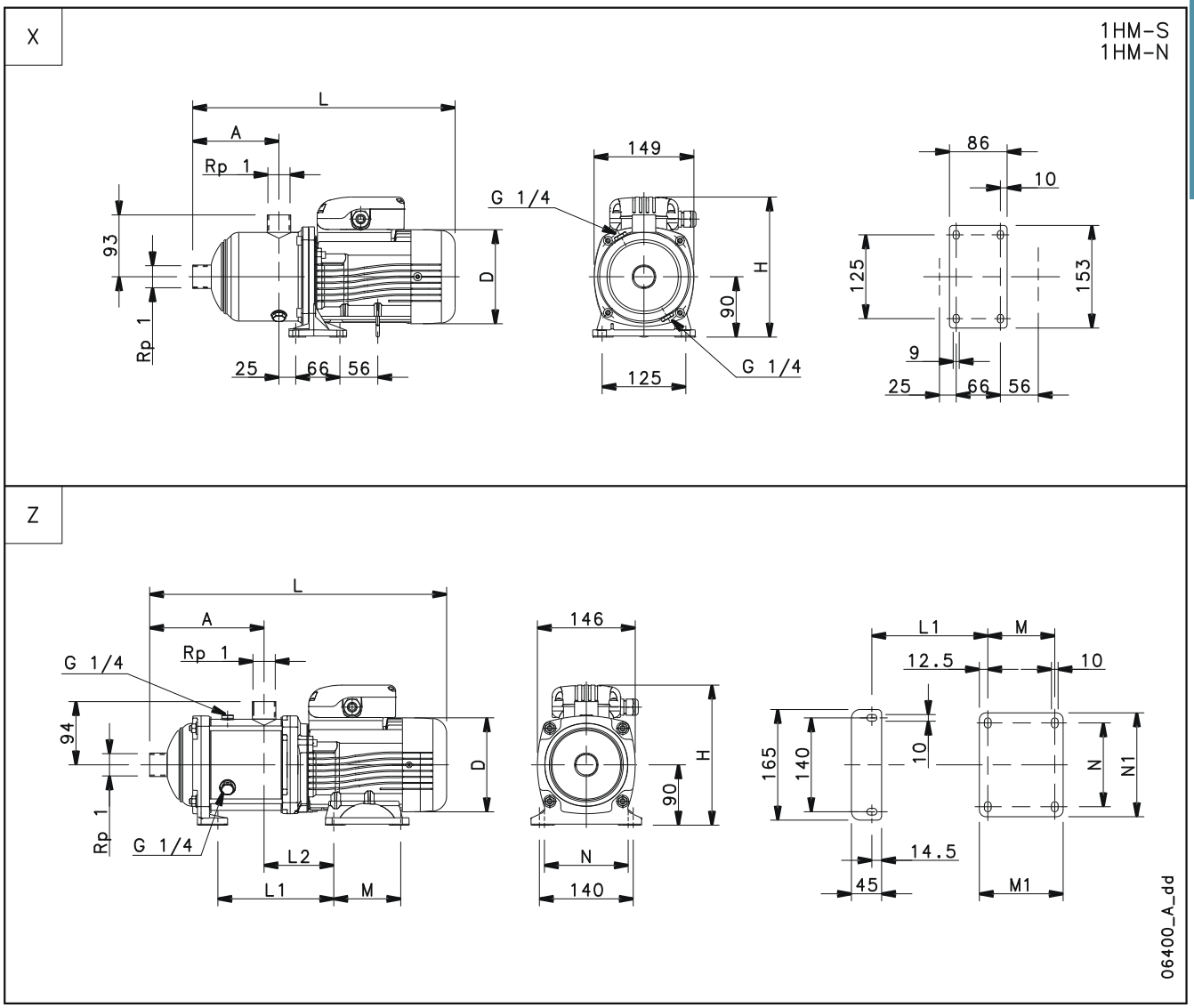
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Drawing



Dimensions mm

A	87					Weight
D	120					6 kg
Drawing	X					
H	201					
L	336					
PN	10					