

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

1HM03S03T5RVBE

104604021

Operating data

Pump 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/m ³ 1000
Static head	m 0	Kin. viscosity at t A	mm ² /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	3		Min- l/s
Max. casing pressure	kPa	Nominal	m
Max. working pressure	kPa 174.6	Head	at Qmax m 8.4
Head H(Q=0)	m 18		at Qmin m 17.8
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

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

Seal casing	Stainless steel
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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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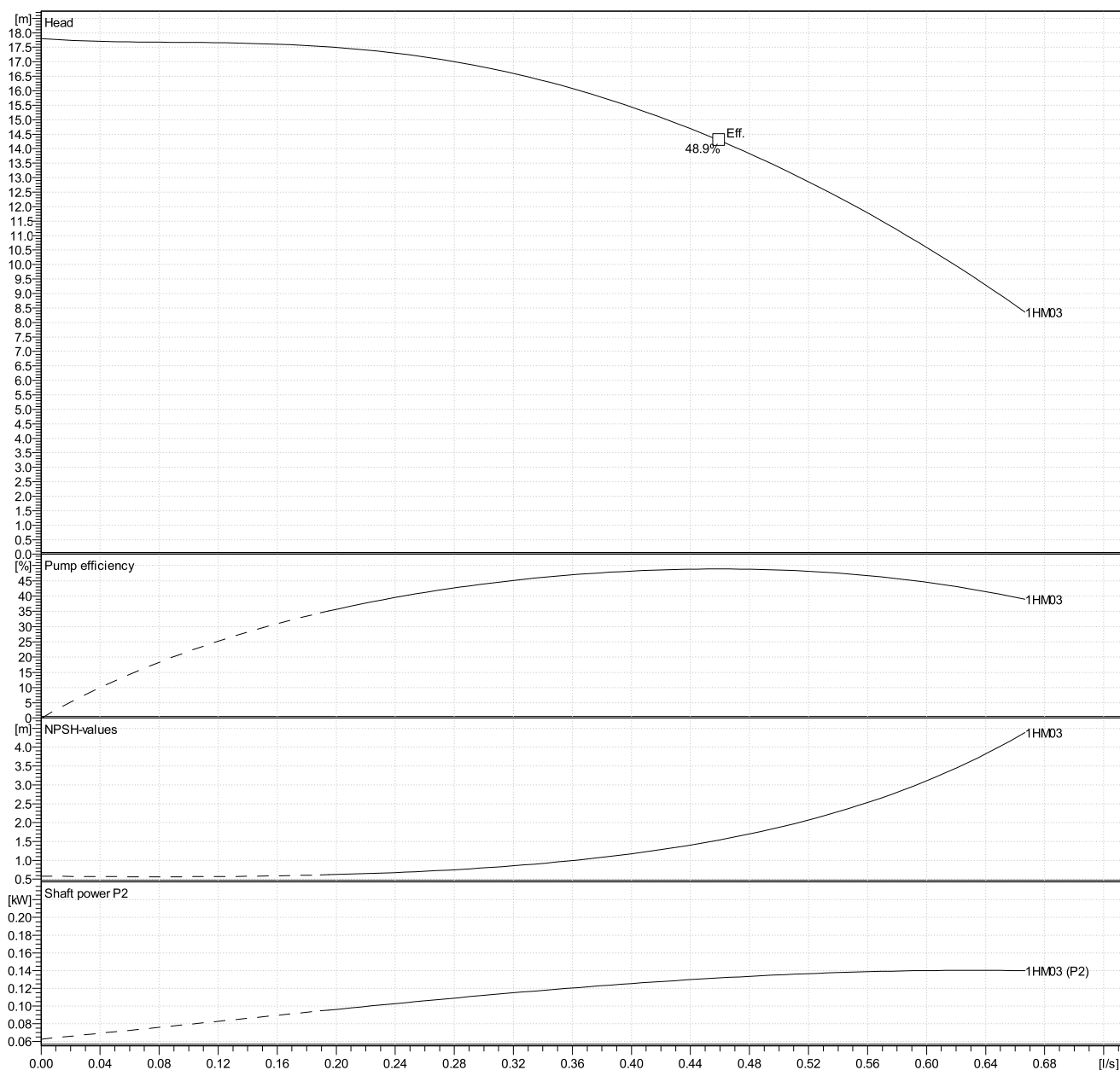
Hydraulic Data

Operating Data Specification		Hydraulic data (duty point)	Impeller design	
Flow	0 l/s	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/m³; 1.57mm²/s

Performance according to ISO 9906 - Annex A

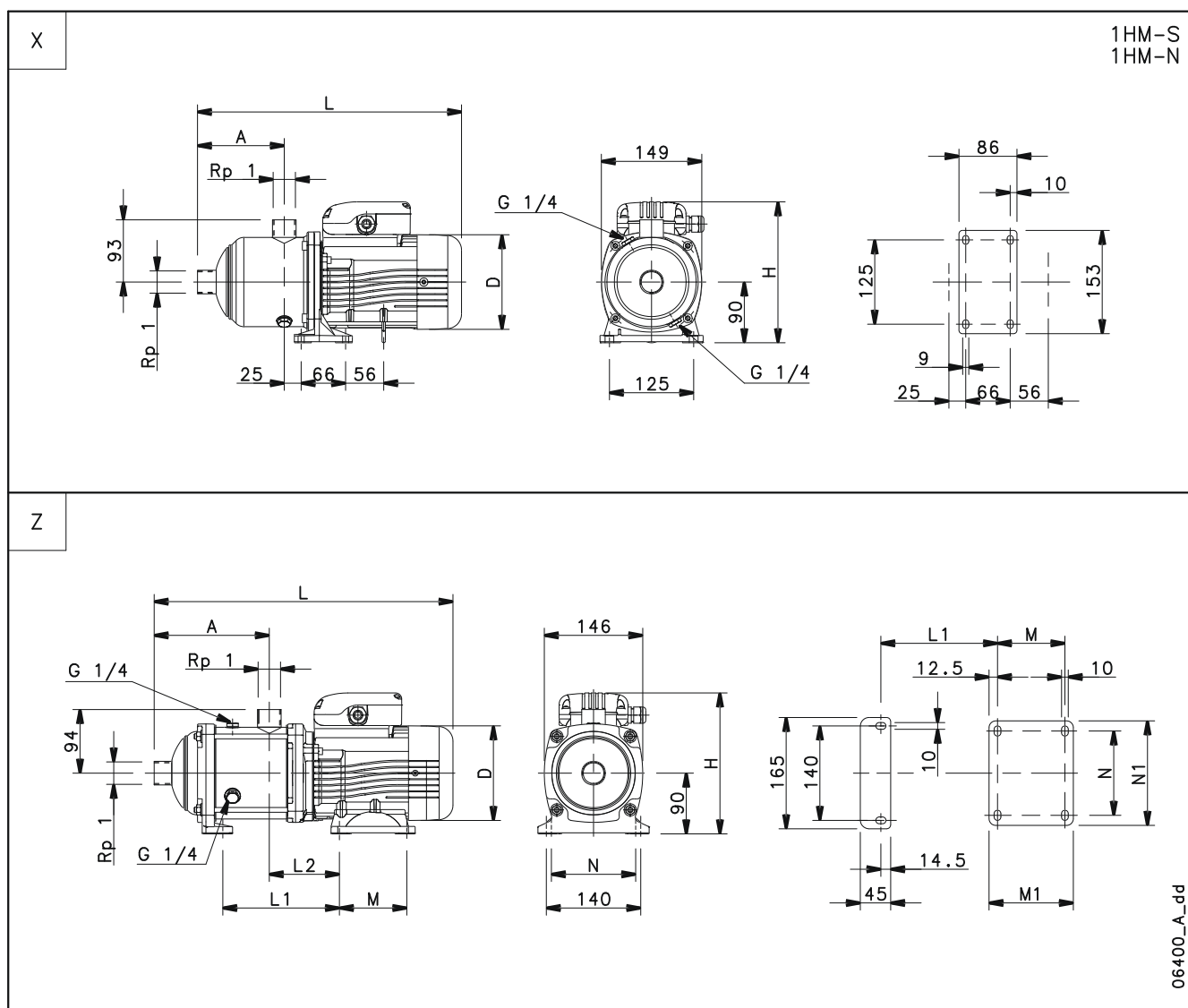


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Drawing



Dimensions mm

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