

Customer	Date	2014-10-16
Contact	Project	
Phone number	Project no.	
Email		



5HM03N05M5HVBE

104605764

Operating data

Pump type	Single head pump	Fluid	Water
No. of pumps / Reserve	1 / 0	Operating temperature t A	K 277
Nominal flow	l/s 0.01	pH-value at t A	7
Nominal head	m 22	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	K 293	Solids	0
Available system NPSH	m 0	Altitude	m 1000

Pump data

Make	Lowara	Nominal	l/s .0 (.0)
Speed	1/min 2900	Flow	Max- l/s 2.4
Number of stages	3		Min- l/s
Max. casing pressure	kPa	Nominal	m 22.1
Max. working pressure	kPa 217	Head	at Qmax m 8.2
Head H(Q=0)	m 22		at Qmin m 22.1
Weight	kg 7	Shaft power	kW .1 (.1)
	Max. mm 73	Max. shaft power	kW .4
Laufrad O	designed mm 73	Efficiency	% 1.71
	Min. mm 73	NPSH 3%	m .6

Pump Materials

ADAPTER	Aluminium
Bolts and screws	Stainless steel
DIFFUSER	Stainless steel
Fill / drain plugs	Stainless steel
IMPELLER	Stainless steel 316
Pump body	Stainless steel
SHAFT	Stainless steel
WEAR RING	Technopolymer (PPS)

Shaft Seal

Mechanical Seal	Roten
HM - uniten	
Rotating Assembly	V-Ceramic Alumina
Fixed Assembly	B-Carbon
Elastomers	E-EPDM
Springs	G-AISI 316
Other Components	G-AISI 316

SEAL HOUSING	Stainless steel
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Motor data

Manufacturer	Lowara	Electric voltage	230 V	Speed	2705 1/min	Insulation class	F
Specific design	Single phase pump motor			Frame size	56	Colour	RAL 5010
Type	SM63HM../1055	Electric current	3.46 A	Weight	0 kg		
Rated power	0.5 kW	Degree of protection	IP 55				

Remarks:



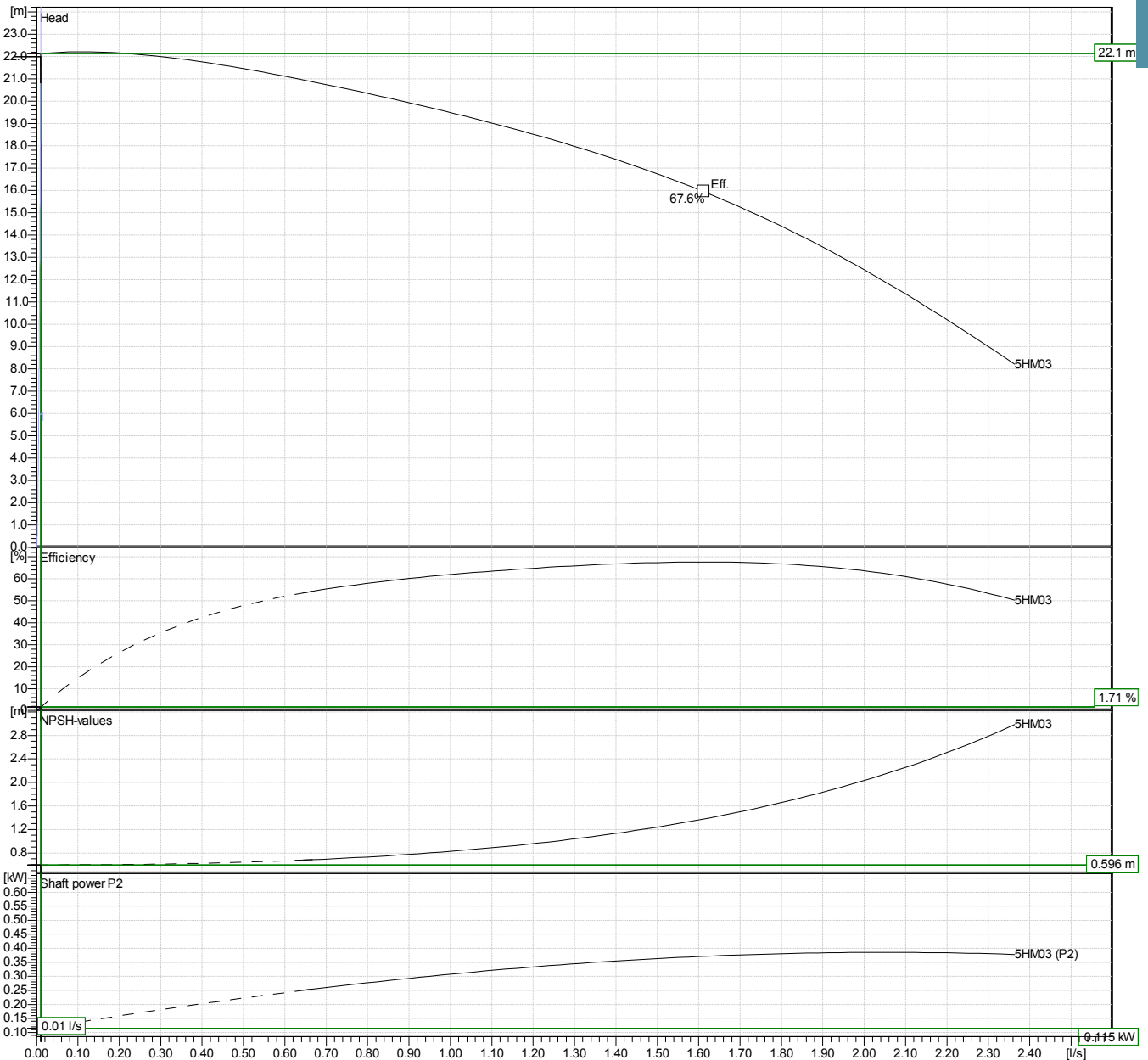
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Hydraulic Data

Operating Data Specification		Hydraulic data (duty point)		Impeller design	
Flow	0.01 l/s	Flow	0.01 l/s	Laufrad O	73 mm
Head	22 m	Head	22.1 m	Frequency	50 Hz
Static head	0 m			Speed	2900 1/min

Power data referred to:
Water [100%] ; 277K; 1000kg/m³; 1.57mm²/s
Performance according to ISO 9906 - Annex A

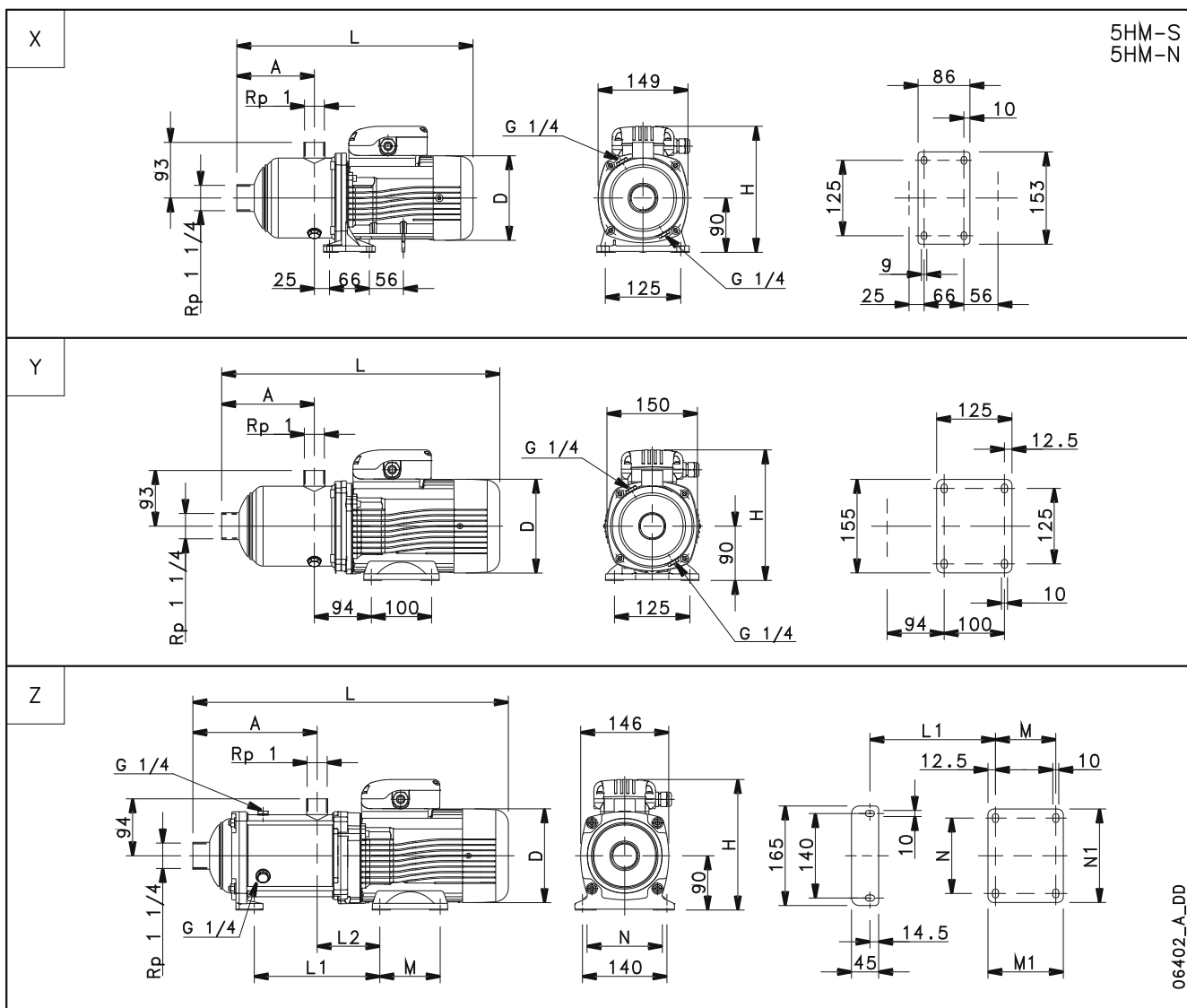


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Drawing



5HM-S
5HM-N

06402_A_DD

Dimensions mm

A	104					Weight 7 kg
D	120					
Drawing	X					
H	201					
L	353					
PN	10					