LOWARA
a xylem brand

e-HM Technical Data

Customer	Date 2014-07-11
Contact	Project
Phone number	Project no.
Email	

3HM04P05M5HVBE

104600650

Operating data

Pumpe type	Single head pump		Fluid		Water
No. of pumps / Reserve		1 / 0	Operating temperature t A	K	277
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	K	293	Solids		0
Available system NPSH	m	0	Altitude	m	1000

Pump data

Make	Lowara				Nominal	l/s	( )
Speed		1/min 2900		Flow	Max-	l/s 1.2	
Number of stages		4			Min-	l/s	
Max. casing pressure		kPa			Nominal	m	
Max. working pressure		kPa 446.2		Head	at Qmax	m 15.7	
Head H(Q=0)		m 45			at Qmin	m 45.5	
Weight		kg 7		Shaft power		kW	( )
	Max.	mm 73		Max. shaft power		kW .5	
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	Nickel-plated brass
impeller	Technopolymer (Noryl™)
Pump body	Stainless steel
Shaft	Stainless steel
Wear ring	Technopolymer (PPS)
Seal casing	Stainless steel

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

Motor data

Manufacturer	Lowara	Electric voltage	230 V	Speed	2705 1/min	Insulation class	F
Specific design	Single phase motor - e-HM			Frame size	56	Colour	RAL 5010
Type	SM63HM../1055	Electric current	3.18 A	Weight	0 kg		
Rated power	0.5 kW	Degree of protection	IP 55				

Remarks:

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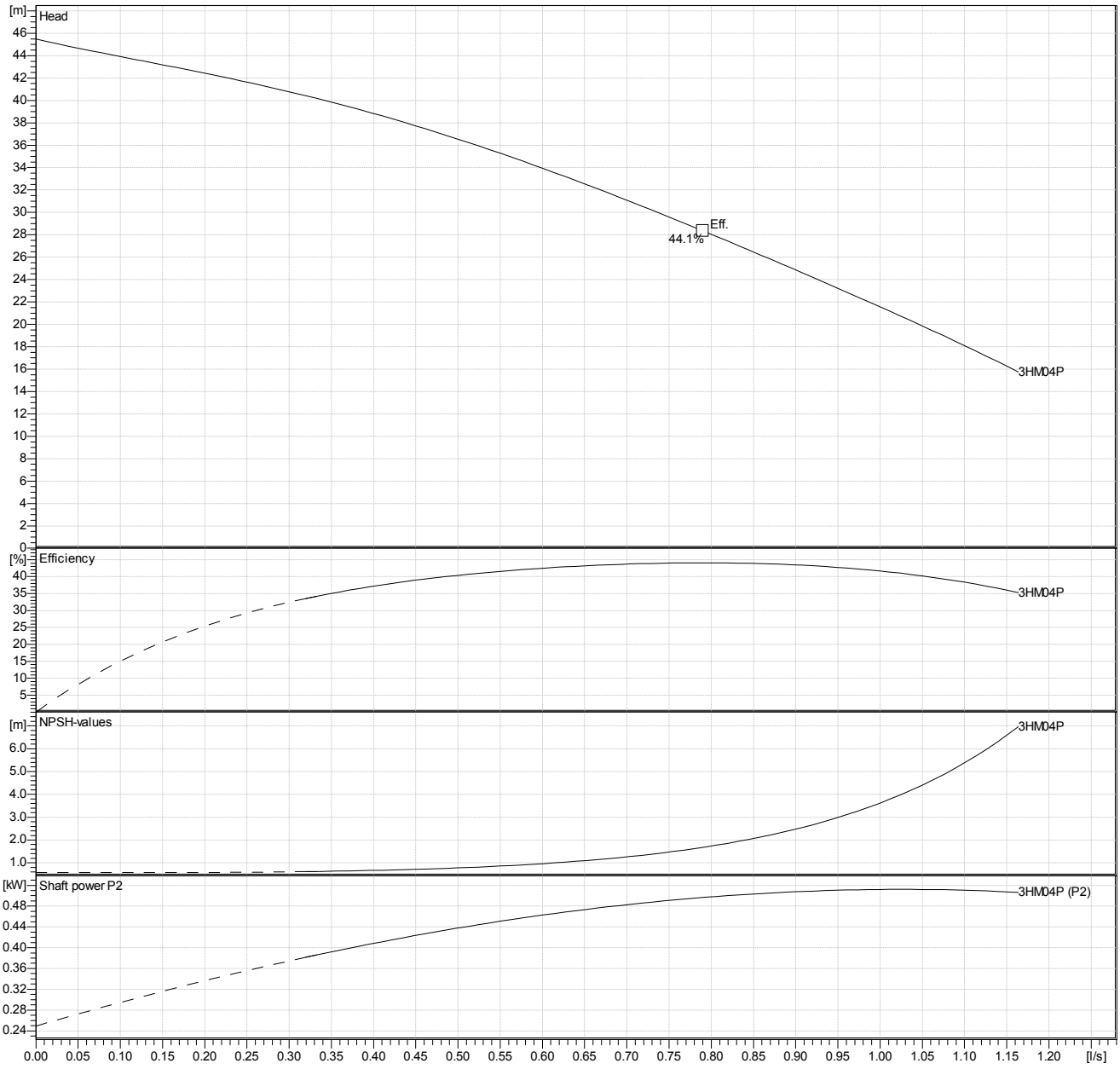
Hydraulic Data

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

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



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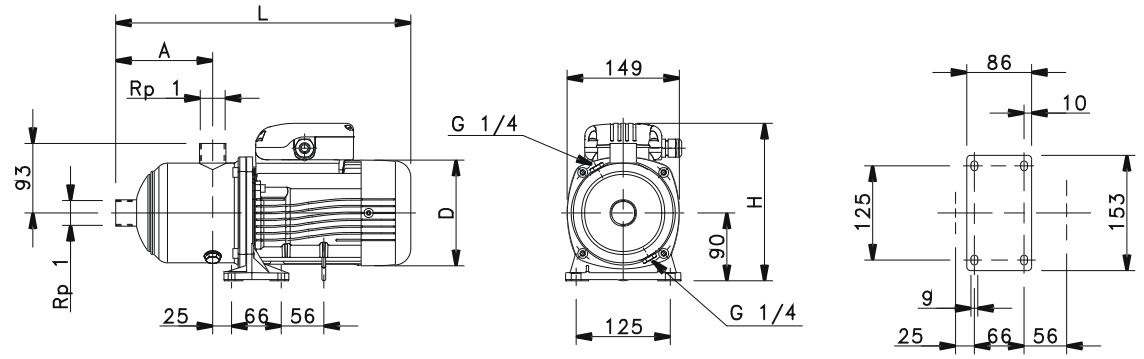
Drawing

X

3HM-P



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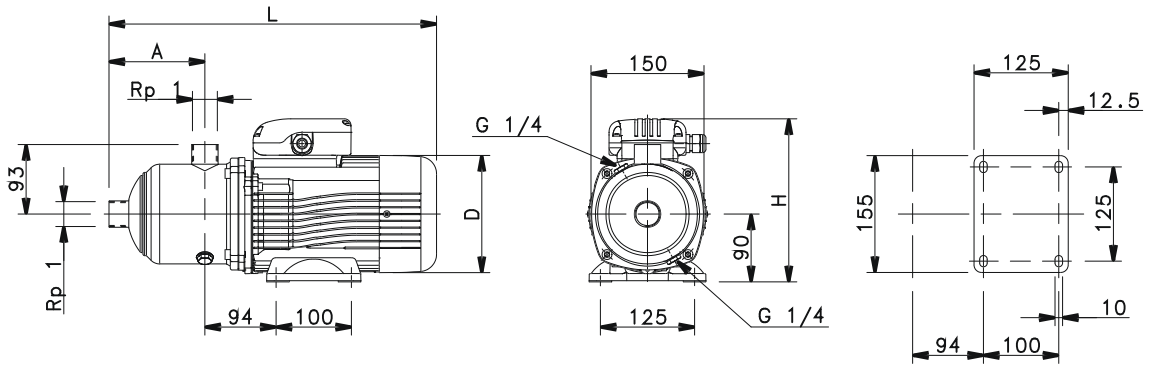

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Dimensions mm

A	107					Weight
D	120					7 kg
Drawing	X					
H	201					
L	356					
PN	10					