

1HM05S04M6FVBE

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/ft³ 62.4
Static head	ft 0	Kin. viscosity at t A	ft²/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	Max-	US g.p.m. 12.3
Number of stages	5	Min-	US g.p.m.
Max. casing pressure	psi	Nominal	ft
Max. working pressure	psi 60.8	Head at Qmax	ft 76
Head H(Q=0)	ft 140	Head at Qmin	ft 140.2
Weight	lb 15	Shaft power	hp ()
	Max. inch 2 7/8	Max. shaft power	hp .5
Impeller R	designed inch 2 7/8	Efficiency	%
	Min. inch 2 7/8	NPSH 3%	ft

Pump Materials

Pump body	Stainless steel / AISI 304
Impeller	Stainless steel / AISI 304
Diffuser	Stainless steel / AISI 304
Shaft	Stainless steel / AISI 316
Adapter	Aluminium
SEAL HOUSING	Stainless steel / AISI 304
Fill / drain plugs	Stainless steel / AISI 316
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	222 V	Speed	3430 rpm	Insulation class	F
Specific design	IE2 1ph Flange Motor			Frame size	63	Colour	RAL 5010
Type	SM63HM/104 E2						
Rated power	0.53641 hp	Degree of protection	IP55				
Electric current	2.49 A						

Remarks:

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Performance curve

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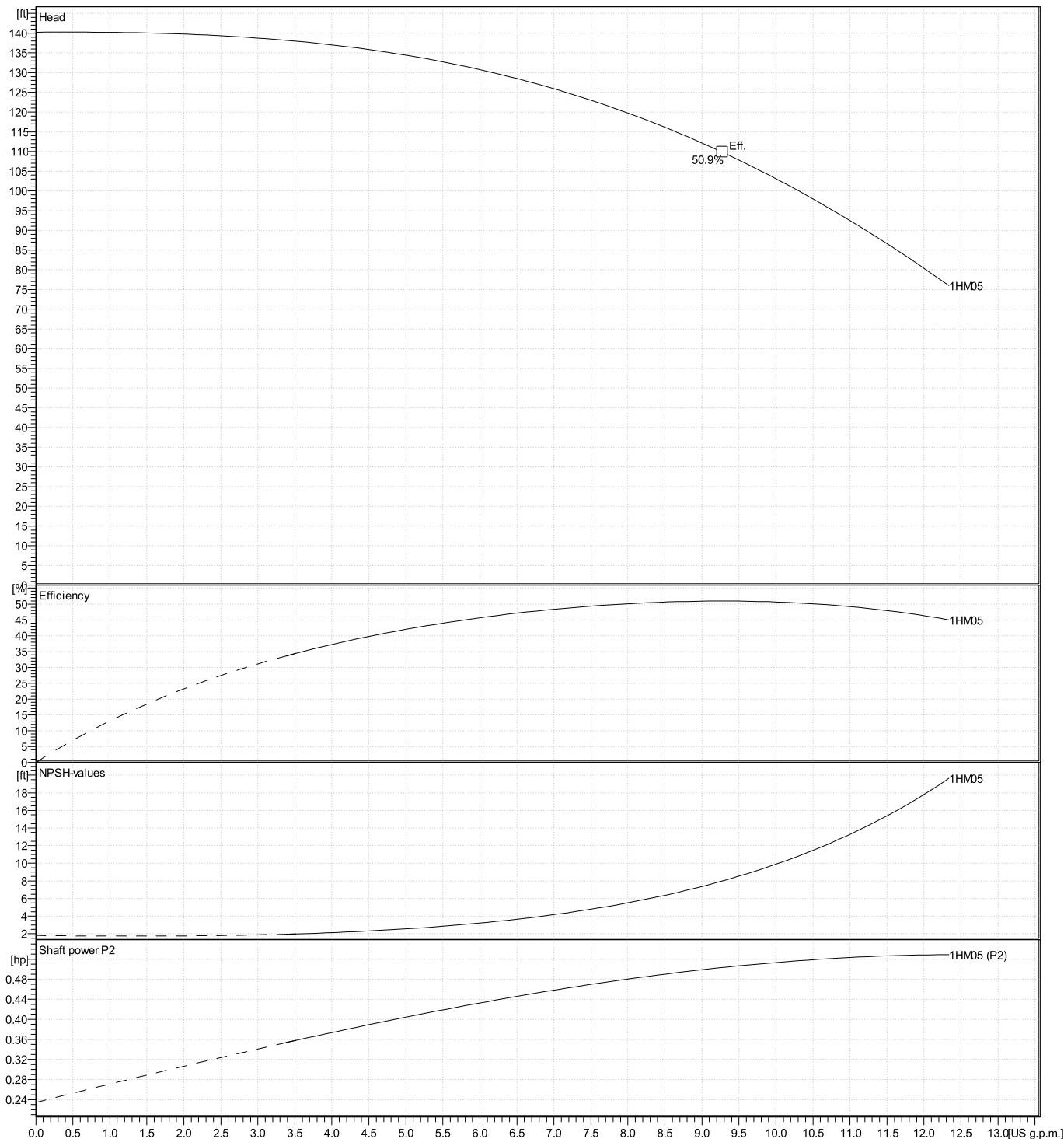
Hydraulic data

Operating Data Specification	Hydraulic data (duty point)	Impeller design
Flow 0 US g.p.m.	Flow	Impeller R 2 7/8 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/ft³; 1.69E-5ft²/s

Performance according to ISO 9906:2012 – Grade 3B



Project Xylect-20071102
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Created by
Created on 1/19/2025

Last update 1/19/2025

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75.0 - 06/11/2024 (Build 274)

Data version
18/01/2025 09:55

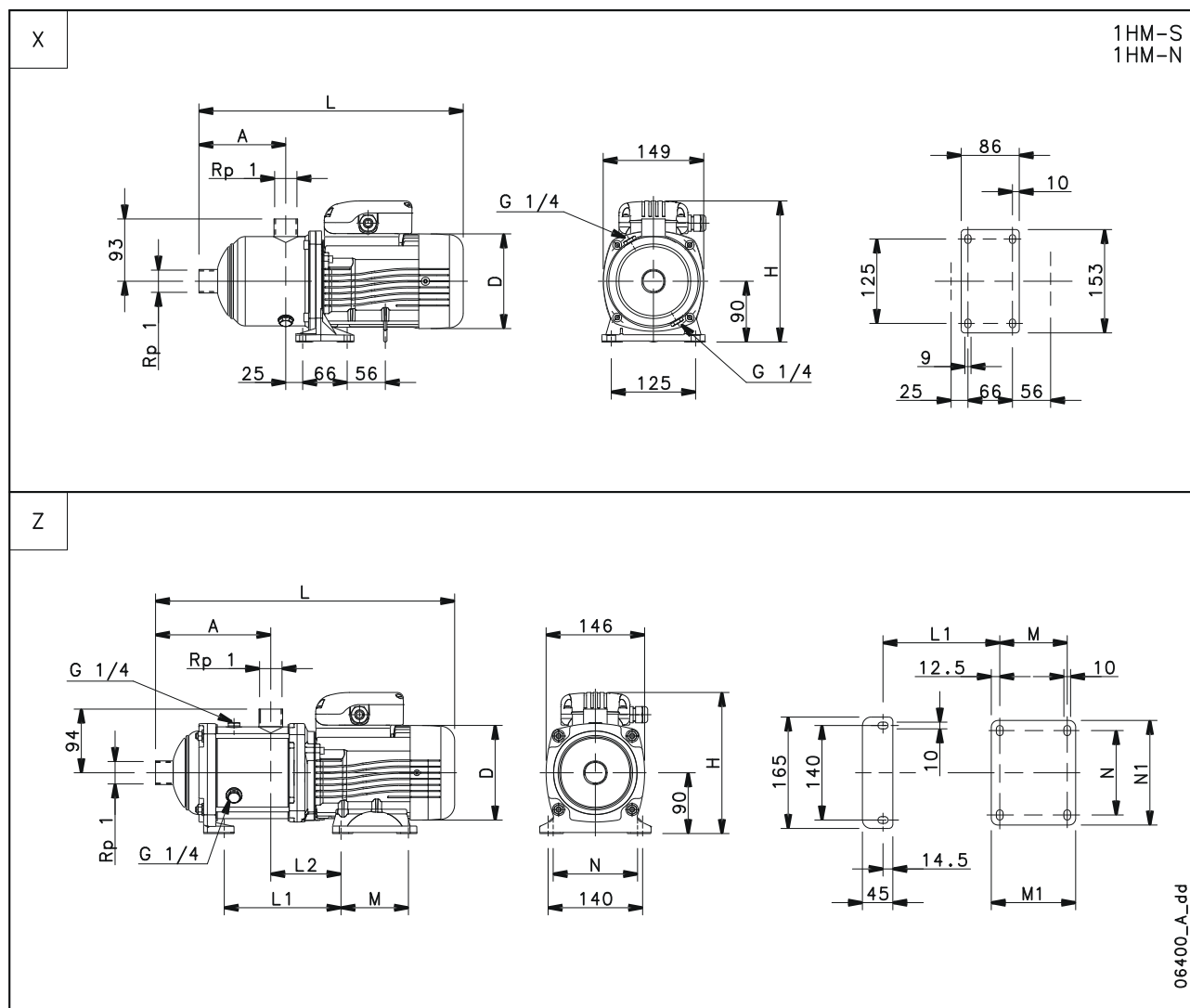
User group(s)
Xylem: United Kingdom - EXT

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Dimensions

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Drawing



Dimensions inch

A	5					Weight 20 lb
D	4 ³ / ₄					
Drawing	X					
H	7 ¹⁵ / ₁₆					
L	14 ¹³ / ₁₆					
PN	3 ³ / ₈					

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