

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



5HM12N15M5HQB

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	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	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 2.4
Number of stages	12		Min- l/s
Max. casing pressure	kPa	Nominal	m
Max. working pressure	kPa 876.2	Head	at Qmax m 33.3
Head H(Q=0)	m 89		at Qmin m 89.3
Weight	kg 19	Shaft power	kW ()
	Max. mm 73	Max. shaft power	kW 1.6
Laufrad Ø	designed mm 73	Efficiency	%
	Min. mm 73	NPSH 3%	m

Pump Materials

ADAPTER	Aluminium
DIFFUSER	Stainless steel
Fill / drain plugs	Stainless steel
Head	Stainless steel
IMPELLER	Stainless steel 316
Outer sleeve	Stainless steel
SEAL HOUSING	Stainless steel
SHAFT	Stainless steel
Shaft sleeve and bushing	Tungsten carbide
Tie rods	Stainless steel
WEAR RING	Technopolymer (PPS)
Ring with foot	Aluminium

Shaft Seal

Mechanical Seal	Burgmann
HM - MG1S2	
Rotating Assembly	Q1-Silicon carbide
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	2810 1/min	Insulation class	F
Specific design	Single phase pump motor			Frame size	56	Colour	RAL 5010
Type	SM80HM../1155	Electric current	9.21 A	Weight	0 kg		
Rated power	1.5 kW	Degree of protection	IP 55				

Remarks:



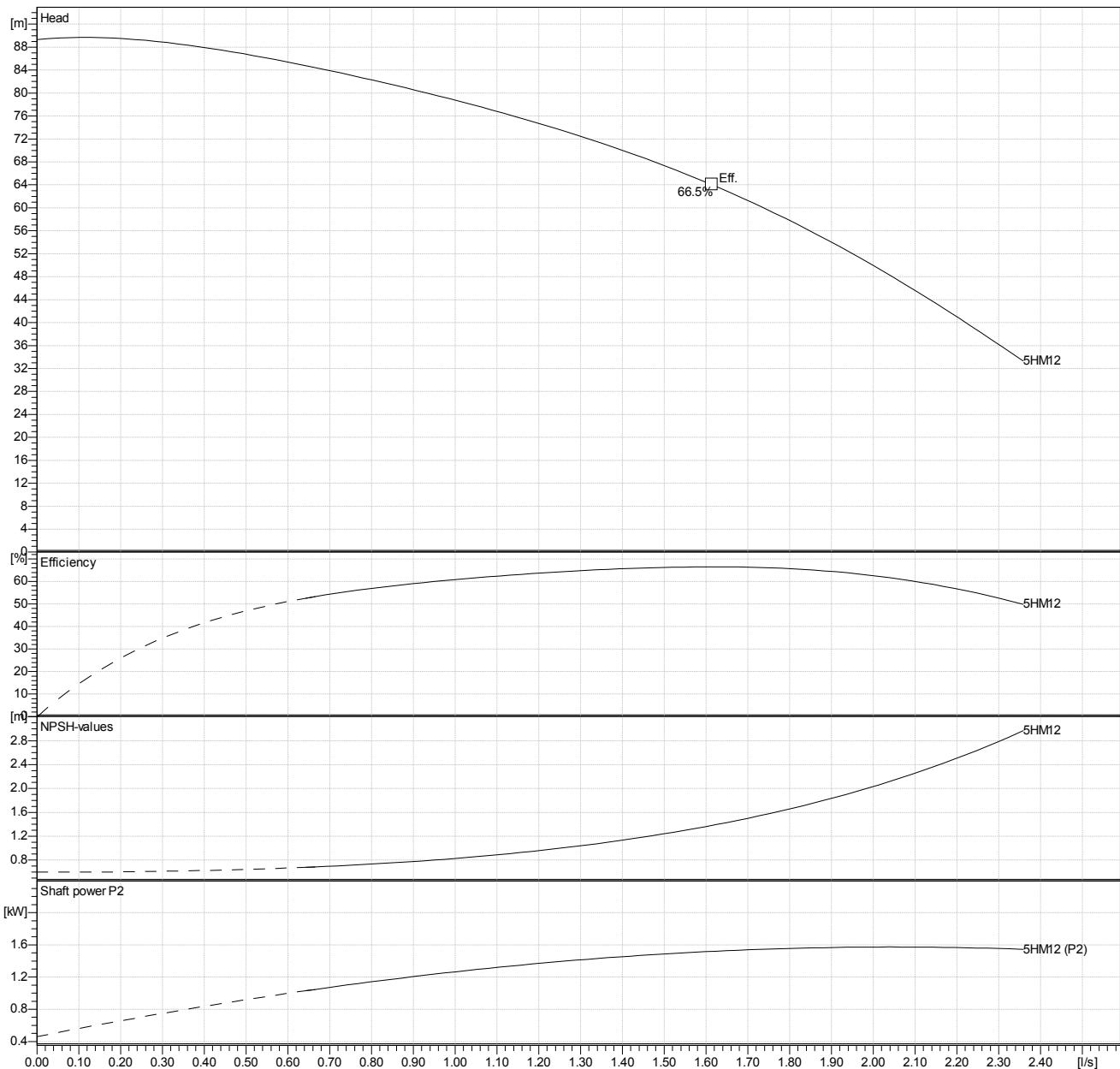
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Hydraulic Data

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

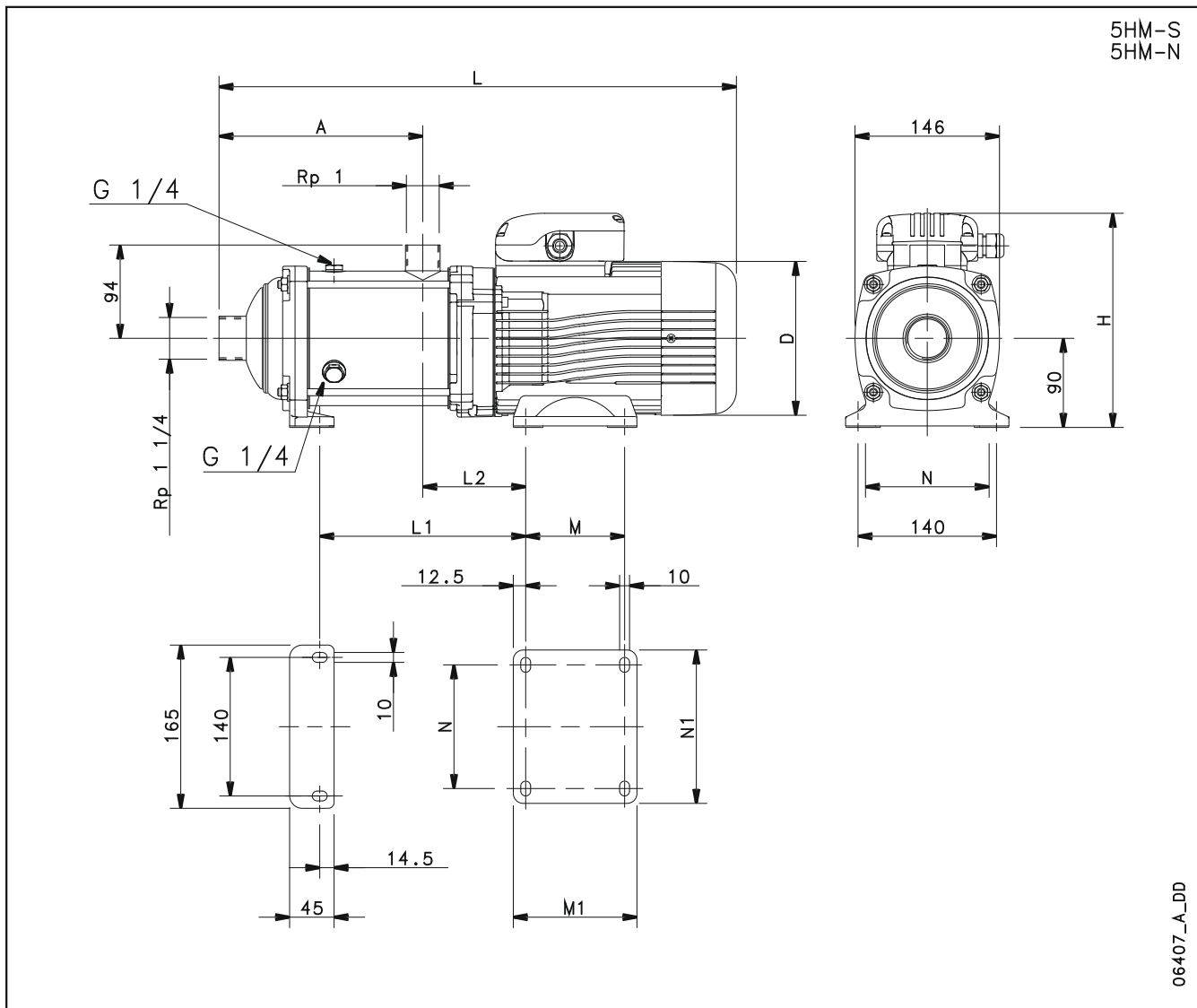
Power data referred to:
Water [100%] ; 277K; 1000kg/m³; 1.57mm²/s
Performance according to ISO 9906 - Annex A



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Drawing



Dimensions mm

A	308	N1	155			Weight	19	kg
D	155	PN	10					
H	227							
L	625							
L1	308							
L2	104							
M	100							
M1	125							
N	125							