

Customer	Date	2/21/2018
Contact	Project	
Phone number	Project no.	
Email		

10HME02S11M02VBE

104630231

Operating data

Pump type	Single head pump	Fluid	Water
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	bar 0	Vapor pressure at t A	bar 1
Environmental temperature	°C 20	Solids	0
Available system NPSH	m 0	Altitude	m 0

Pump data

Make	Lowara	Nominal	l/s ()
Speed	1/min 2900	Max-	l/s 4.7
Number of stages	2	Min-	l/s 1.7
Max. casing pressure	bar	Nominal	m
Max. working pressure	bar 3.4	Head at Qmax	m 11.1
Head H(Q=0)	m 35	at Qmin	m 33.4
Weight	kg 14	Shaft power	kW ()
Max.	mm 73	Max. shaft power	kW
Impeller R designed	mm 73	Efficiency	%
Min.	mm 73	NPSH 3%	m

Pump Materials

ADAPTER	Aluminium
Diffuser and upper spacer	Stainless steel
Fill / drain plugs	Stainless steel
Head	Stainless steel
IMPELLER	Stainless steel 304
Outer sleeve	Stainless steel
Ring with foot	Aluminium
SEAL HOUSING	Stainless steel
SHAFT	Stainless steel
Shaft sleeve and bushing	Tungsten carbide
Tie rods	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

Motor data

Manufacturer	Lowara	Electric voltage	230 V	Speed	2900 1/min	Insulation class	B
Specific design	Single phase e-SM motor			Frame size	80	Colour	RAL 5010
Type	SM80/111 HM..	Electric current	5.85 A				
Rated power	1.1 kW	Degree of protection	IP 55				

Remarks:

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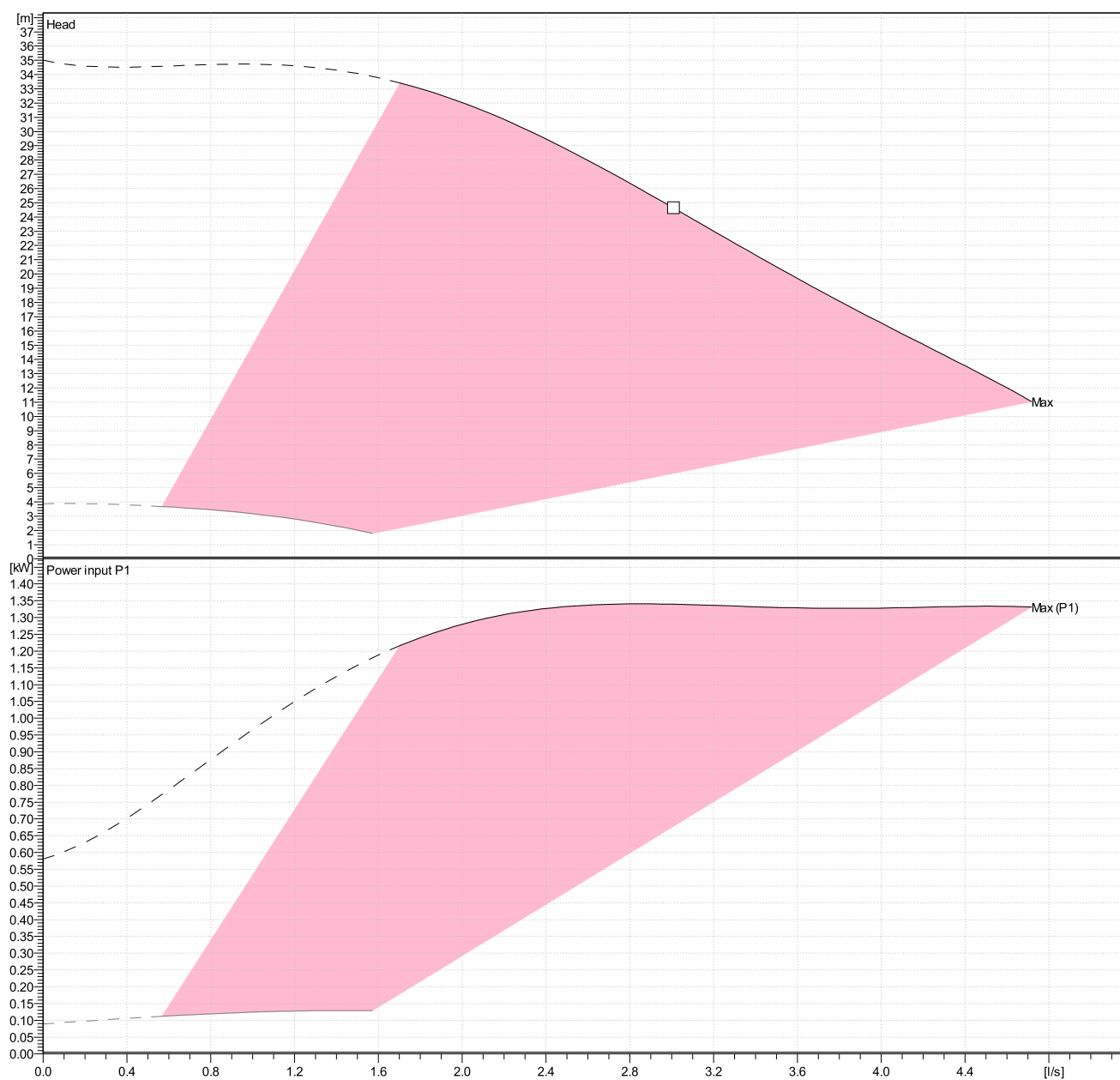
Hydraulic data

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 1/min

Power datas referred to:

Water [100%] ; 4°C; 1000kg/m³; 1.57mm²/s

Performance according to ISO 9906:2012 – Grade 3B

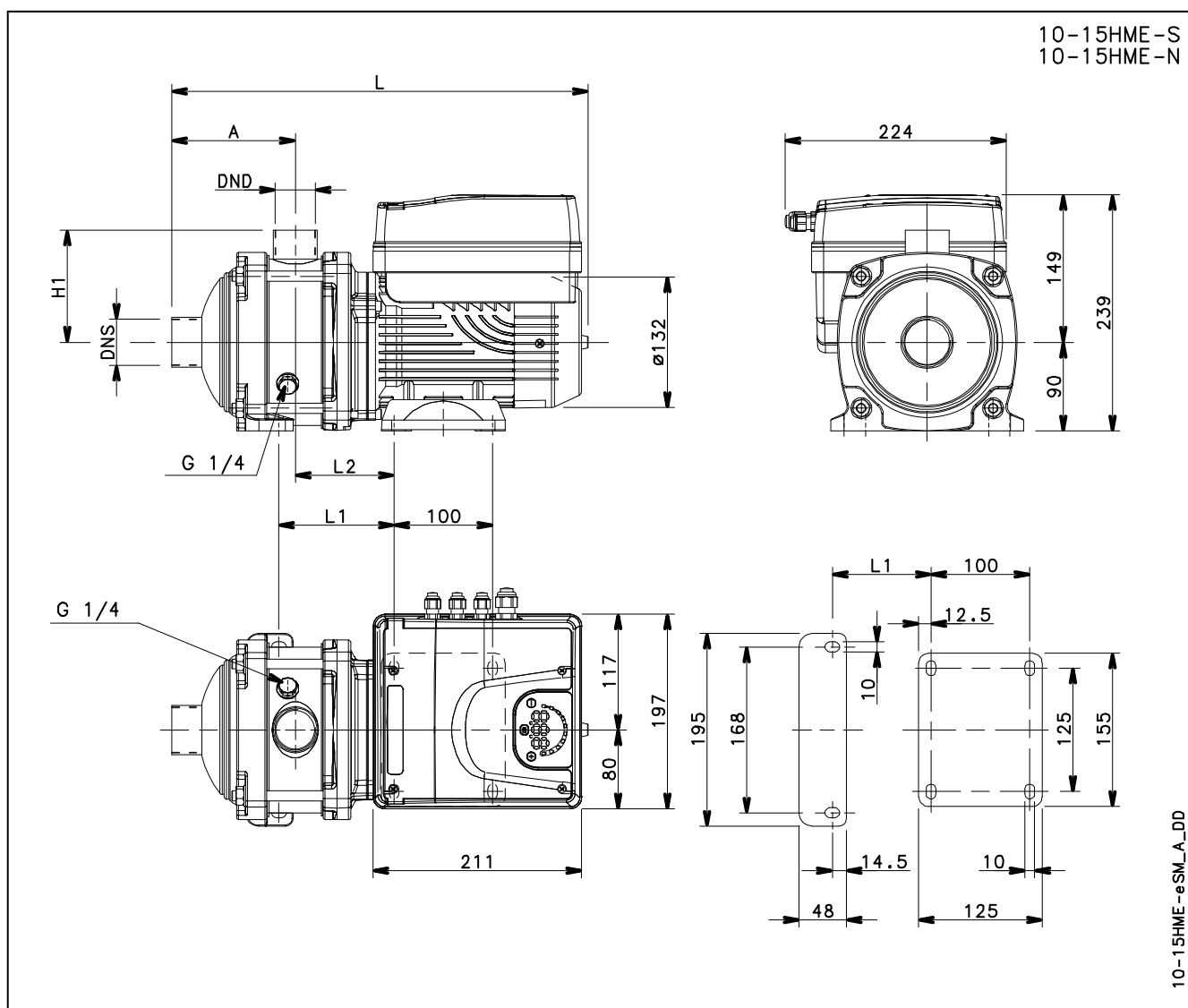


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Drawing



Dimensions mm

A	125					Weight
DND	Rp 1 1/4					14
DNS	Rp 1 1/2					kg
H1	113					
L	422					
L1	116.5					
L2	100					
PN	10					