

Customer	Date	2016-12-21
Contact	Project	
Phone number	Project no.	
Email		

## LNEE 50-125/30/P25RCS4

101880640

### Operating data

Pump type	Single head pump	Fluid	Water, pure
No. of pumps / Reserve	1 / 0	Operating temperature t A	°C 4
Nominal flow	m <sup>3</sup> /h 36	pH-value at t A	7
Nominal head	m 15	Density at t A	kg/dm <sup>3</sup> 1
Static head	m 0	Kin. viscosity at t A	mm <sup>2</sup> /s 1.569
Inlet pressure	bar 0.098	Vapor pressure at t A	bar 0.0234
Environmental temperature	°C 20	Solids	0
Available system NPSH	m 0	Altitude	m 1000

### Pump data

Make	Lowara	Nominal	m <sup>3</sup> /h 38.6 ( 38.6 )
Speed	1/min 2900	Flow	Max- m <sup>3</sup> /h 50
Number of stages	1	Min-	m <sup>3</sup> /h 13.1
Max. casing pressure	bar	Nominal	m 17.2
Max. working pressure	bar 2.4	Head	at Qmax m 11.1
Head H(Q=0)	m 23	at Qmin	m 22.5
Weight	kg	Shaft power	kW 2.7 ( 2.7 )
Max.	mm 135	Max. shaft power	kW 3
Impeller R	designed mm 130	Efficiency	% 65.92
Min.	mm 105	NPSH 3%	m
Suction nozzle	DN 50 PN 16 EN1092-2 (NSC-LNE)	Discharge nozzle	DN 50 PN 16 EN1092-2 (NSC-LNE)

### Pump Materials

Volute casing	Cast iron
Casing cover	Cast iron
Impeller	Stainless steel / AISI 316L
Stub shaft	Stainless steel
Wear ring	Stainless steel / AISI 304
Impeller lock nut and washer	Stainless steel / AISI 316
Impeller key	Stainless steel / AISI 316L
Fill and drain plugs	Nickel-plated brass

### Shaft Seal

Mechanical Seal	Burgmann
e-NSC, e-LNE - MG1S2	B-Resin impregnated carbon
Rotating Assembly	Q1-Silicon carbide
Fixed Assembly	E - EPDM
Elastomers	G-AISI 316
Springs	G-AISI 316
Other Components	

### Motor data

Manufacturer	Lowara	Electric voltage	400 V
Specific design	IE3 Three phase surface motor		
Type	PLM90.../330 E3	Electric current	6.33 A
Rated power	3 kW	Degree of protection	IP 55
Speed	2880 1/min	Insulation class	F
Frame size	90	Weight	25 kg
Shaft diameter	0 mm	Colour	RAL 5010

### Coupling

Manufacturer	
Series	
Type	
Frame size	
Spacer length	
Weight	
Coupling protection	

### Base plate

Description	
Weight	

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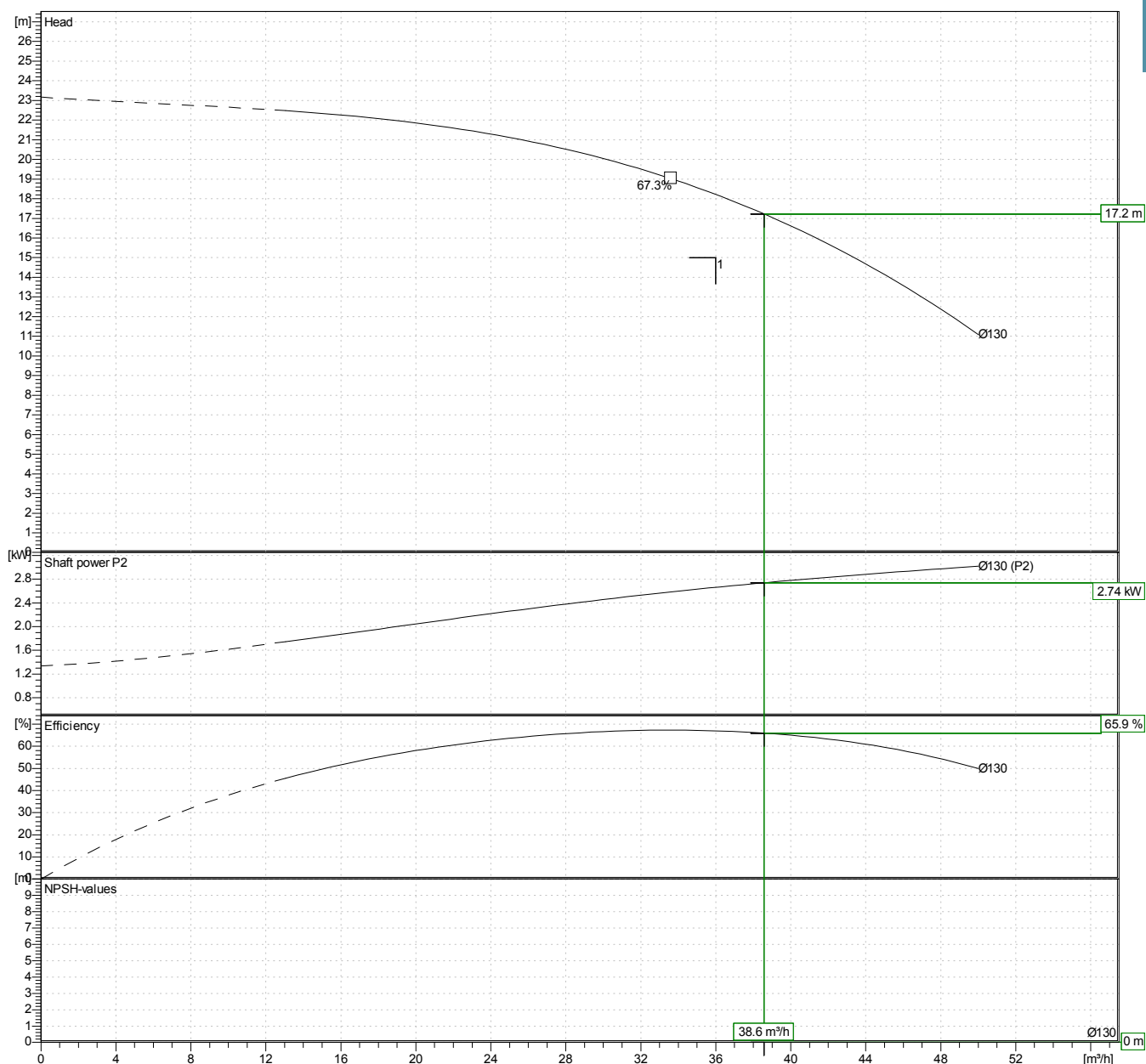
### Hydraulic data

Operating Data Specification		Hydraulic data (duty point)		Impeller design	
Flow	36 m <sup>3</sup> /h	Flow	38.6 m <sup>3</sup> /h	Impeller R	130 mm
Head	15 m	Head	17.2 m	Frequency	50 Hz
Static head	0 m	MEI	>=0,4	Speed	2900 1/min

#### Power data referred to:

Water, pure [100%] ; 4°C; 1kg/dm<sup>3</sup>; 1.57mm<sup>2</sup>/s

Performance according to ISO 9906 - Annex A



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#### Dimensions mm/m³

AD	134		
b1	128		
Bmax	252		
DND	50		
DNS	50		
e	116		
H	340		
h1	180		
h2	160		
L	514		
p	174		
x	96		
		Total weight	46 kg

#### Connections mm

Suction nozzle	Discharge nozzle
DN 50	DN 50
PN 16	PN 16
EN1092-2 (NSC-LNE) EN1092-2 (NSC-LNE)	

C	20	C	20
D	165	D	165
df	99	df	99
DN	50	DN	50
K	125	K	125
L	4 x 19	L	4 x 19

Value C, D may vary from Standard

#### Drawing

