LOWARA
a xylem brand

LNTE 65-125/30/P25RCS4

Technical data

Company name
Contact
Phone number
e-mail address

Operating data

1	Pumpe type	Single head pump		Fluid	Water, pure		
2	No. of pumps	1		Operating temperature t A	°C	4	
3	Nominal flow	m³/h	0	Max / Min Operating Temperature mech. Seal	°C	120 / -25	
4	Nominal head	m	0	pH-value at t A		7	
5	Static head	m	0	Density at t A	kg/m³	1000	
6	Inlet pressure	kPa	0	Kin. viscosity at t A	mm²/s	1.569	
7	Environmental temperature	°C	20	Vapor pressure at t A	kPa	100	
8	Available system NPSH	m	0	Altitude		0	

Pump data

9	Lubrication	Standard, Grease lubrication [Std]						
10	Execution	2 poles motor			Impeller Ø	Max.	mm	148
11	Design	In-Line single twin head				designed	mm	118
12	Operating speed	2900 rpm	Stages 1			Min.	mm	118
13	Suction nozzle	DN 65 / PN 16 / EN1092-2			Flow	Nominal	m³/h	
14	Discharge nozzle	DN 65 / PN 16 / EN1092-2				Max-	m³/h	59
15	Max. casing pressure	kPa				Min-	m³/h	18.1
16	Max. working pressure	kPa	171.2		Head	Nominal	m	
17	Impeller type		Radial impeller			at Qmax	m	10.1
18	Head H(Q=0)	m	17			at Qmin	m	16.7
19	Max. shaft power	kW	2.7	Shaft power	kW			
20	Pump weight	kg		Efficiency	%			
21	Total weight	kg	102.0	NPSH 3%	m			

Materials

	Pump		Shaft Seal	
22				
23	Volute Casing	Cast Iron	Single mechanical seal, without shaft sleeve	
24	Casing Cover	Cast Iron	eMG12 - Ø22mm	BQ7EGG-WA
25	Impeller	Stainless steel / AISI 304	Mechanical seal diameter	22 mm
26	Stub shaft	Stainless steel / AISI 316L	1. Rotating ring	Carbon graphite resin impregnated
27	Wear ring	Stainless steel / AISI 304	2. Stationary ring	SiC, silicon carbide, sintered press.less
28	Impeller lock nut and washer	Stainless steel / AISI 304	3. Secondary seal	Ethylene propylene rubber (EPDM)
29	Impeller key	Stainless steel / AISI 316L	4. Springs	CrNiMo - Steel
30	Fill and draing plugs	Nickel-plated brass	5. Others	EPDM - WRAS
31			Gaskets of the pump	Ethylene propylene rubber (EPDM)
32				
33				
34				
35				
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38				
39				
40				
41				

Motor data

Electrical and dimensional data refer to IE3 motor

42	Manufacturer	Lowara		
43	Specific design	IE3 3ph Flange Motor		
44	Type	PLM 90 B14 3 kW		
45	Rated power	3 kW	Rated current	6.33 A
46	Nominal speed	2865 rpm	Rated voltage	400 V
47	Frame size	90	Service factor	1
48	Weight kg	24.6	Degree of protection	IP55

Remarks

49	
50	
50	
52	

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Performance curve

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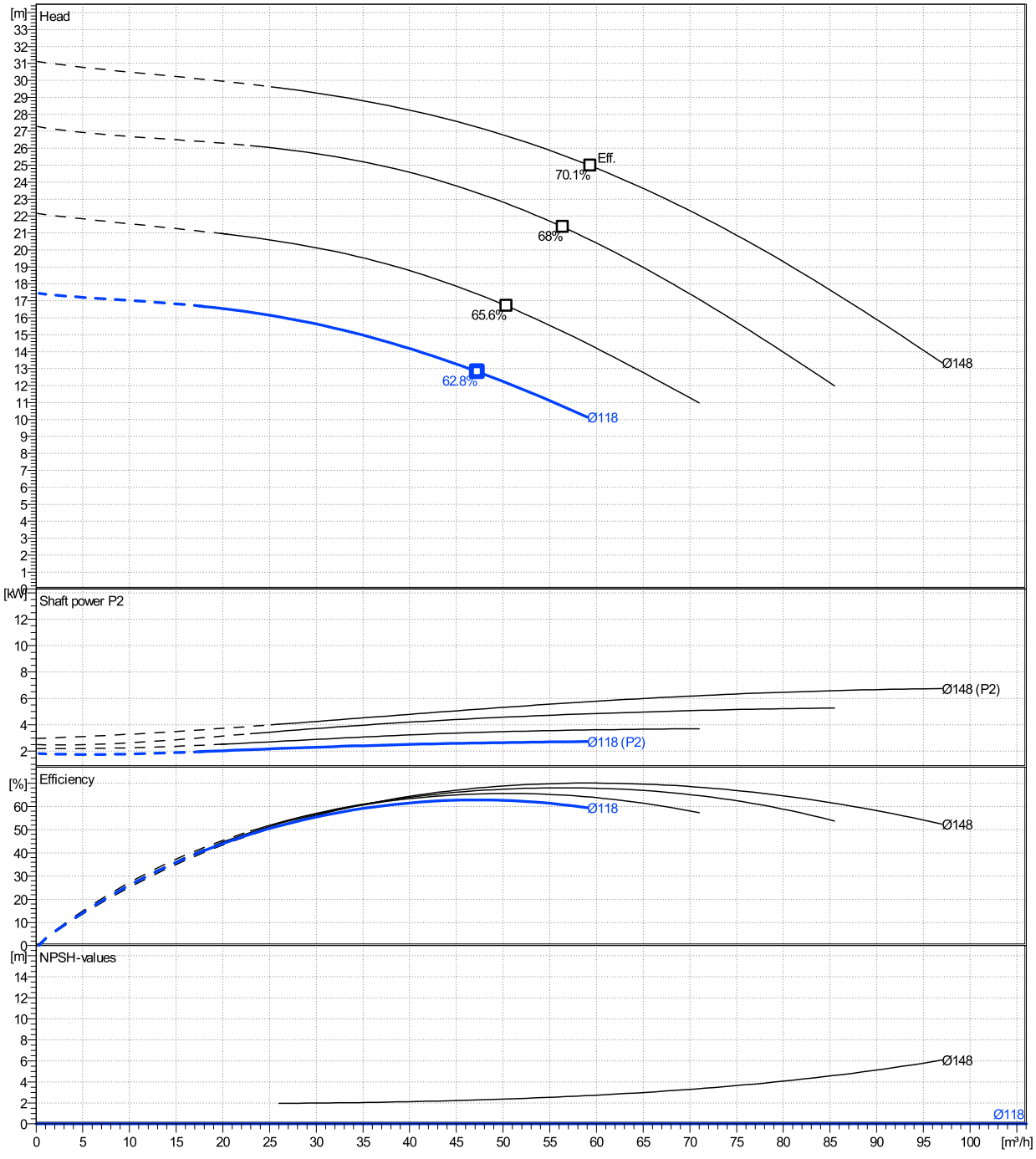
	Ø	Pump capacity Operating range Min.	Max.	η Max.	Pump head H(Q=0)	η Max.	Shaft power P2 P2(Q=0)	Max.	η Max.			
	mm	m³/h	m³/h	m³/h	m	m	kW	kW	kW			
actual	118	18.1	59	47.3	17.5	12.8		2.73	2.62	Frequency	Hz	50
Min.	0	/	/	47.3	17.5	12.8		/	2.62	Operating speed	rpm	2900
Max.	148	/	/	59.4	31.1	25		/	5.76	Nominal flow	m³/h	0
										Nominal head	m	0
										Inlet pressure	kPa	0
										Static head	m	0

Power datas refered to:

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

hydr. Performance acceptance acc. To EN ISO 9906 Class Grade 3B

MEI: N.A - according to Ecodesign Directive 2009/125/EC and Regulation (EU) No.547/2012



Project	Xylect-20969354		Created by		Last update 8/8/2023
Block	LNTE 65-125/75/P25VCS4		Created on	8/8/2023	

Program version: 69.0 - 15/05/2023 (Build 33)
Data version: 20/07/2023 09:39
User group(s): Xylem: United Kingdom - EXT

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LNTE 65-125/30/P25RCS4

Dimensions

Company name
Contact
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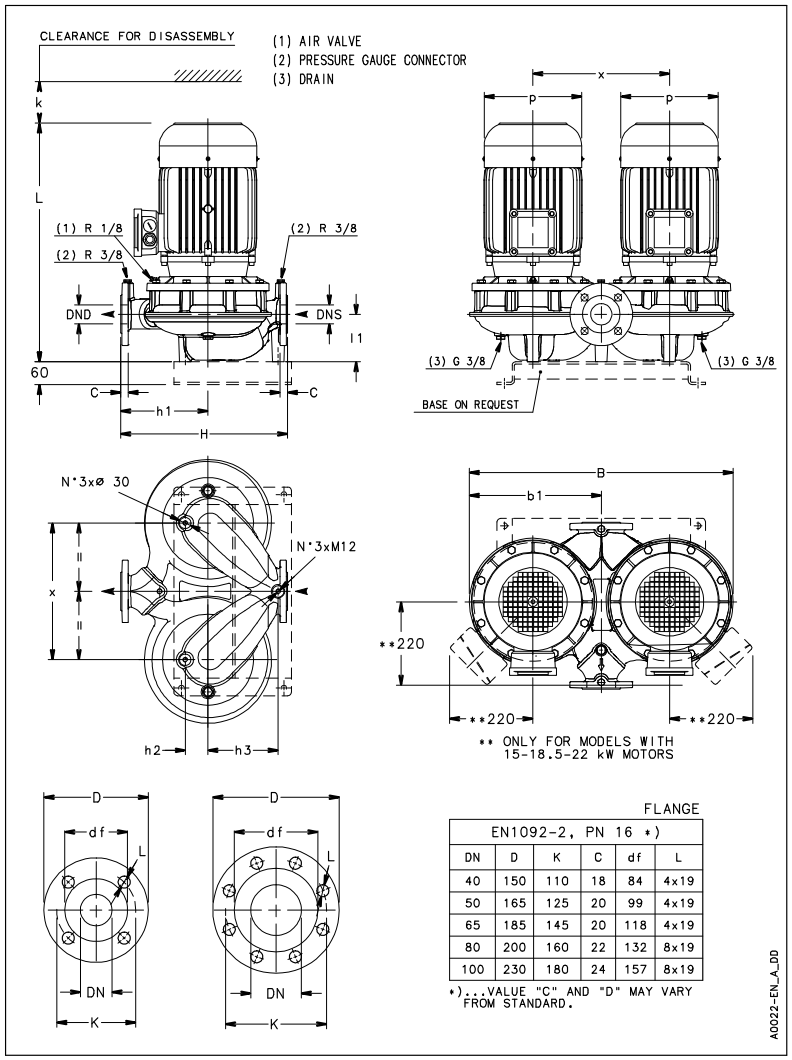
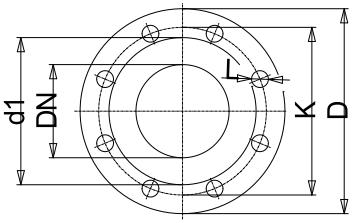
Close coupled
2 poles motor
PLM 90 B14 3 kW



Electrical and dimensional data refer to IE3 motor

Dimensions	[mm]
B	646
b1	323
DND	65
DNS	65
H	360
h1	190
h2	75
h3	140
k	100
L	526
l1	122
p	174
x	360

Weight	
Total weight	**102 kg**



Value C, D may vary from Standard

Connections			
Suction nozzle		**Discharge nozzle**	
DN 65		**DN 65**	
PN 16		**PN 16**	
EN1092-2		**EN1092-2**	
C	20	C	20
D	185	D	185
df	118	df	118
DN	65	DN	65
K	145	K	145
L	4 x 19	L	4 x 19

Dimensions and weight without obligation

Project	**Xylect-20969354**	**Created by**		**Last update**	**8/8/2023**
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