

LNEE 50-250/55/P46PCS4

Technical data

Company name
Contact
Phone number
e-mail address

Operating data

1	Pumpe type	Single head pump	Fluid	Water
2	No. of pumps	1	Operating temperature t A	°F 39.2
3	Nominal flow	US g.p.m. 0	Max / Min Operating Temperature mech. Seal	°F 120 / -25
4	Nominal head	ft 0	pH-value at t A	7
5	Static head	ft 0	Density at t A	lb/ft³ 62.4
6	Inlet pressure	psi 0	Kin. viscosity at t A	ft²/s 1.689E-5
7	Environmental temperature	°F 68	Vapor pressure at t A	psi 14.5
8	Available system NPSH	ft 0	Altitude	0

Pump data

9	Lubrication Standard, Grease lubrication [Std]									
10	Execution					Impeller Ø	Max.	inch	10 1/8	
11	Design	In-Line single head					designed	inch	10 1/8	
12	Operating speed	1750 rpm	Stages	1			Min.	inch	8 7/8	
13	Suction nozzle	DN 50	/	PN 16	/	EN1092-2	Flow	Nominal	US g.p.m.	
14	Discharge nozzle	DN 50	/	PN 16	/	EN1092-2		Max-	US g.p.m.	176.1
15	Max. casing pressure	psi						Min-	US g.p.m.	61.6
16	Max. working pressure	psi	48.6				Head	Nominal	ft	
17	Impeller type	Radial impeller				at Qmax		ft	89.5	
18	Head H(Q=0)	ft	110					at Qmin	ft	111.4
19	Max. shaft power	hp	6.4				Shaft power		hp	
20	Pump weight	kg					Efficiency		%	
21	Total weight	lb	224.9				NPSH 3%		ft	

Materials

22	Pump		Shaft Seal	
23	Volute Casing	Cast iron	Single mechanical seal, without shaft sleeve	
24	Casing Cover	Cast iron	eMG12 - Ø28mm	BQ7EGG-WA
25	Impeller	Stainless steel / AISI 304	Mechanical seal diameter	1 1/8 inch
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 drain plugs	Nickel-plated brass	5. Others	EPDM - WRAS
31			Gaskets of the pump	Ethylene propylene rubber (EPDM)
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Motor data

Electrical and dimensional data refer to IE3 motor

42	Manufacturer	Lowara		
43	Specific design	IE3 3ph Flange Motor		
44	Type	PLM 132 B14 5,5 kW		
45	Rated power	7.3756 hp	Rated current	20 A
46	Nominal speed	1765 rpm	Rated voltage	220 V
47	Frame size	132	Service factor	1
48	Weight	lb 127.9	Degree of protection	IP55

Remarks

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Project	Xylect-20185360	Created by		Last update	1/13/2025
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Performance curve

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Phone number
e-mail address

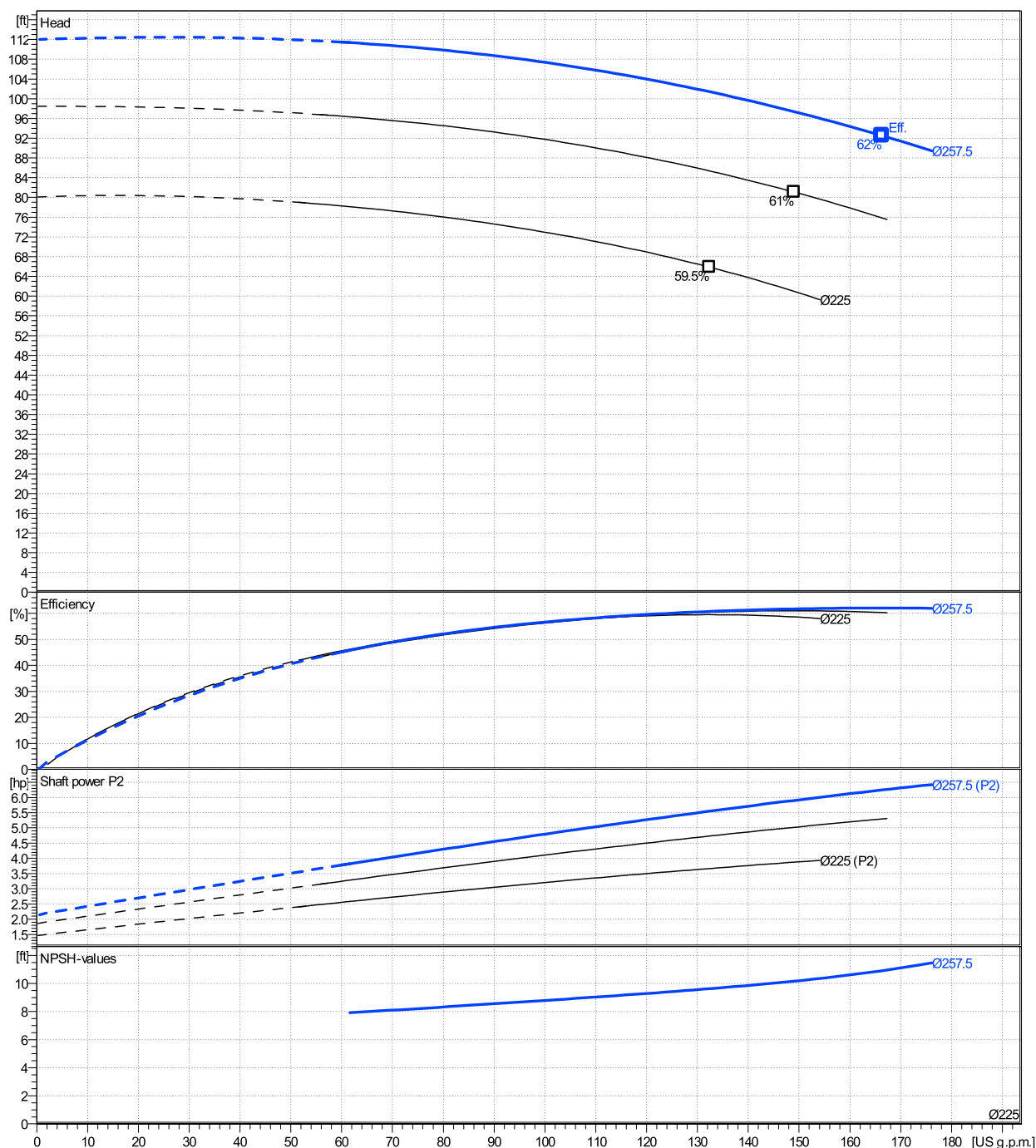
	Ø mm	Pump capacity Operating range Min. Max. Max. US g.p.m. US g.p.m. US g.p.m.			Pump head H(Q=0) η ft Max. ft		Shaft power P2 P2(Q=0) Max. η hp hp Max. hp			Frequency Hz 60	
		Min.	Max.	Max.	H(Q=0)	η	P2(Q=0)	Max.	η	Operating speed	rpm
actual	10 1/8	61.6	176	166	112	92.5		6.42	6.24	Nominal flow	US g.p.m.
Min.	0	/	/	132	80.1	65.9	/	/	3.67	Nominal head	ft
Max.	10 1/8	/	/	166	112	92.5	/	/	6.24	Inlet pressure	psi
										Static head	ft

Power datas referred to:

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

Water [100%] ; 39.2°F; 62.4lb/ft³; 1.69E-5ft²/s

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



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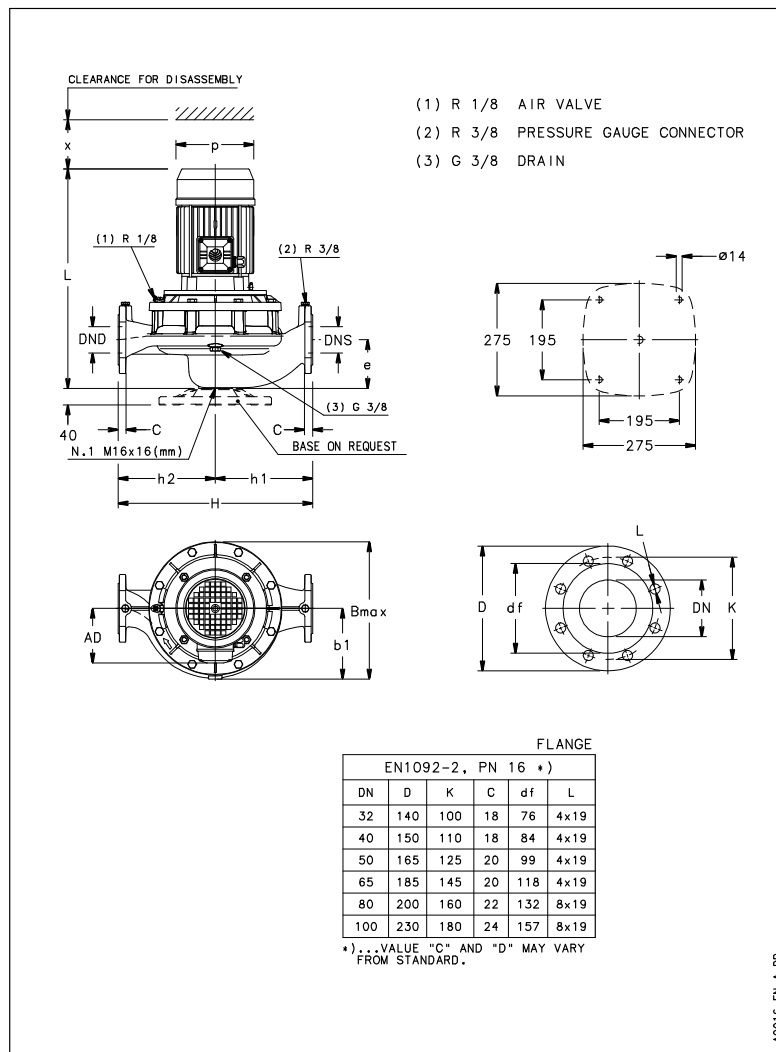
Dimensions

Company name
Contact
Phone number
e-mail address

Close coupled

PLM 132 B14 5,5 kW

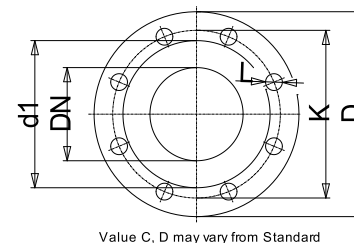
Electrical and dimensional data refer to IE3 motor



Dimensions		[inch]	
AD	7 1/2		
b1	6 5/8		
Bmax	14 1/8		
DND	1 15/16		
DNS	1 15/16		
e	4 3/8		
H	17 5/16		
h1	8 11/16		
h2	8 11/16		
L	24 1/4		
p	10 1/16		
x	4 1/4		

Weight	
Total weight	102 kg

Connections			
Suction nozzle		Discharge nozzle	
DN 50		DN 50	
PN 16		PN 16	
EN1092-2		EN1092-2	
C	13/16	C	13/16
D	6 1/2	D	6 1/2
df	3 7/8	df	3 7/8
DN	1 15/16	DN	1 15/16
K	4 15/16	K	4 15/16
L	4 x 19	L	4 x 19



Dimensions and weight without obligation

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