

LNES 65-125/75/P26PCS4

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			
11	Design	In-line	Impeller Ø	Max. inch 5 11/16
12	Operating speed	3500 rpm		designed inch 5 1/8
13	Suction nozzle	DN 65 / PN 16 / EN1092-2		Min. inch 4 5/8
14	Discharge nozzle	DN 65 / PN 16 / EN1092-2	Flow	Nominal US g.p.m.
15	Max. casing pressure	psi		Max- US g.p.m. 325.8
16	Max. working pressure	psi 46.1		Min- US g.p.m. 110.1
17	Impeller type	Radial impeller	Head	Nominal ft
18	Head H(Q=0)	ft 110		at Qmax ft 70.4
19	Max. shaft power	hp 10.1		at Qmin ft 100.7
20	Pump weight	kg	Shaft power	hp
21	Total weight	lb 209.9	Efficiency	%
			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 - Ø22mm	BQ7EGG-WA
25	Impeller	Stainless steel / AISI 304	Mechanical seal diameter	7/8 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 - Premium Efficiency	
44	Type	PLM 132 B5 7,5 kW	
45	Rated power	10.058 hp	Rated current 24.8 A
46	Nominal speed	3522 rpm	Rated voltage 220 V
47	Frame size	132	Service factor 1
48	Weight	lb 123.5	Degree of protection IP55

Remarks

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Project	Xylect-20070985	Created by		Last update	1/19/2025
Block	LNES 65-125/15/P46PCS4	Created on	1/19/2025		

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Performance curve

Company name
Contact
Phone number
e-mail address

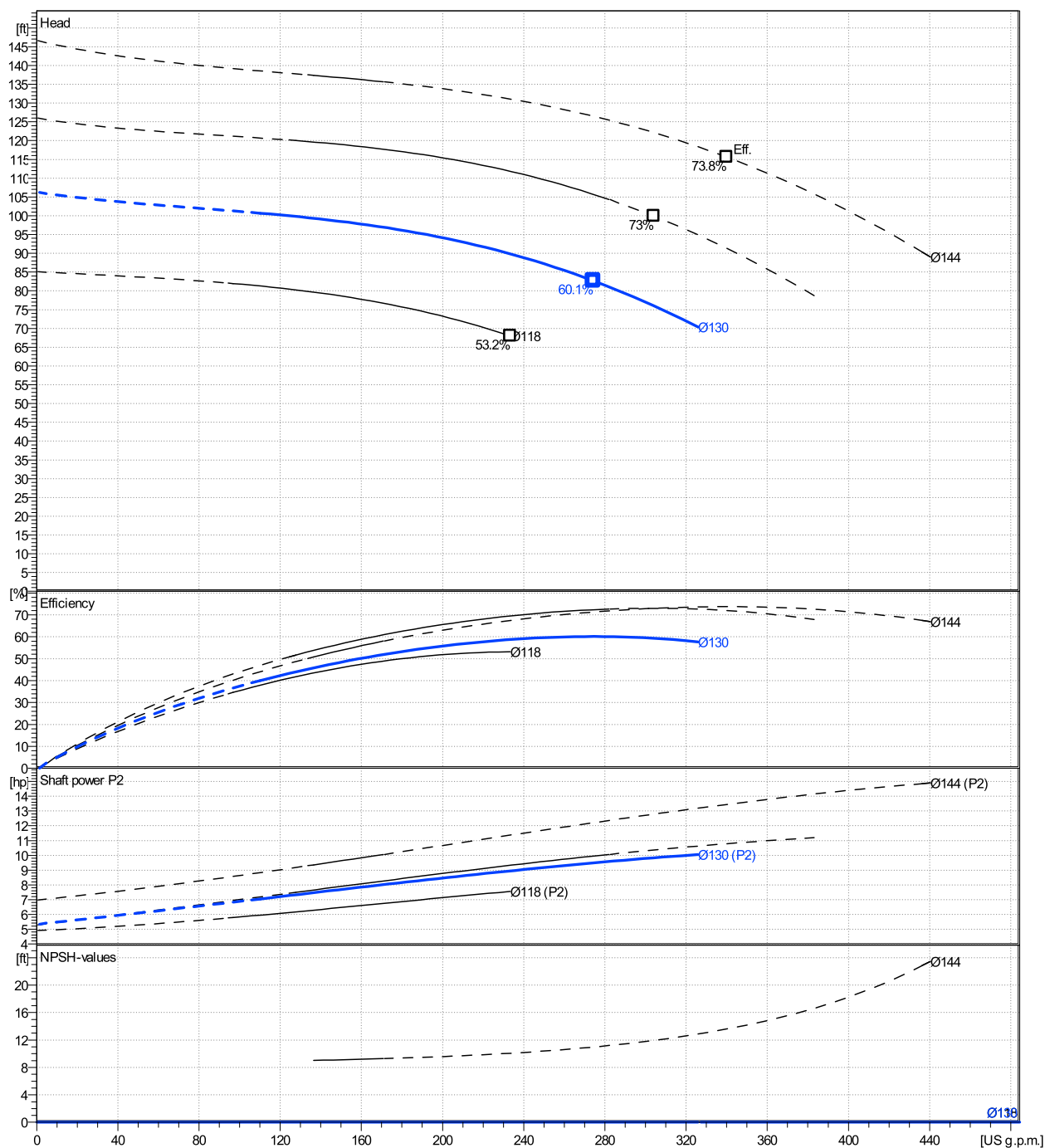
	Ø mm	Pump capacity Operating range			Pump head		Shaft power P2			Frequency	Hz	60
		Min. US g.p.m.	Max. US g.p.m.	Max. US g.p.m.	H(Q=0) ft	η Max. ft	P2(Q=0) hp	Max. hp	η Max. hp	Operating speed	rpm	3500
actual	5 1/8	110	326	274	106	82.7		10.1	9.48	Nominal flow	US g.p.m.	0
Min.	0	/	/	233	85.1	68		/	7.55	Nominal head	ft	0
Max.	5 11/16	/	/	340	147	116		/	13.4	Inlet pressure	psi	0
										Static head	ft	0

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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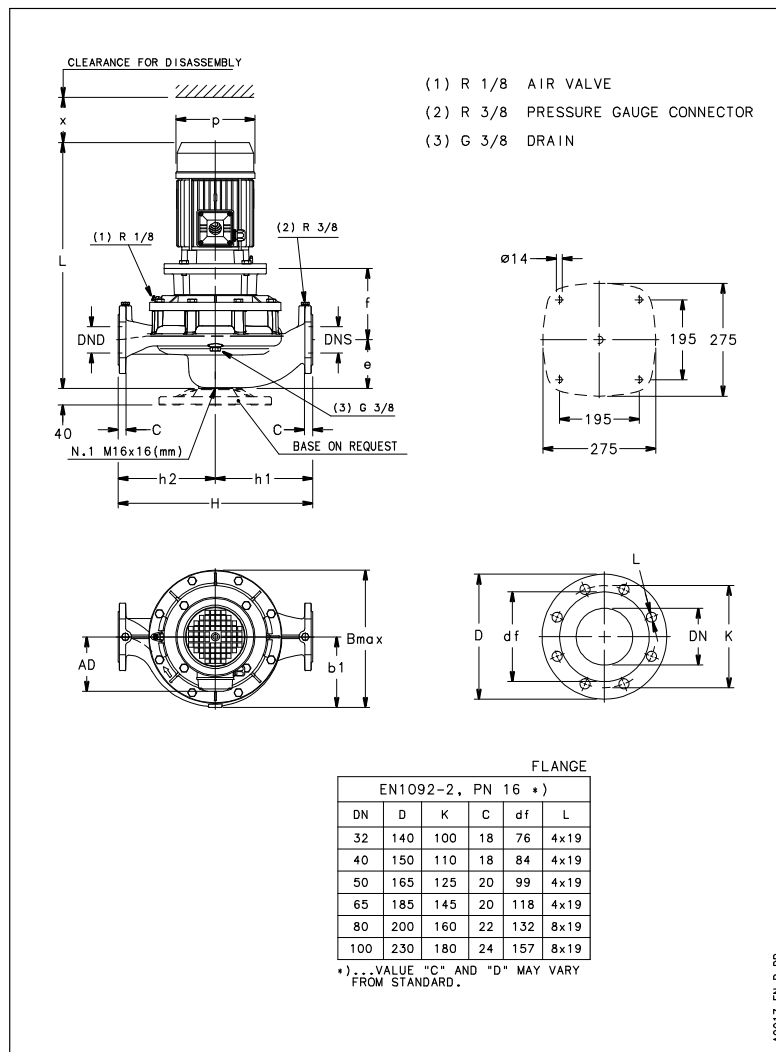
Dimensions

Company name
Contact
Phone number
e-mail address

Rigid coupling

PLM 132 B5 7,5 kW

Electrical and dimensional data refer to IE3 motor



Dimensions [inch]

AD	7 ¹ / ₂		
b1	5 ¹³ / ₁₆		
Bmax	11 ⁵ / ₈		
DNd	2 ⁹ / ₁₆		
DNs	2 ⁹ / ₁₆		
e	4 ¹ / ₈		
f	8 ⁹ / ₁₆		
H	14 ³ / ₁₆		
h1	7 ¹ / ₂		
h2	6 ¹ / ₁₆		
L	27 ¹ / ₈		
p	10 ¹ / ₁₆		
x	3 ¹⁵ / ₁₆		

Weight

Total weight	95.2 kg
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Connections

Suction nozzle	Discharge nozzle
DN 65	DN 65
PN 16	PN 16
EN1092-2	EN1092-2
C	13 ¹ / ₁₆
D	7 ⁵ / ₁₆
df	4 ⁵ / ₈
DN	2 ⁹ / ₁₆
K	5 ¹¹ / ₁₆
L	4 x 19

Dimensions and weight without obligation

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