

LNES 65-160/22/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			
11	Design	In-line	Impeller Ø	Max. inch 6 15/16
12	Operating speed	1750 rpm		designed inch 6 11/16
13	Suction nozzle	DN 65 / PN 16 / EN1092-2		Min. inch 5 11/16
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. 273
16	Max. working pressure	psi 19.7		Min- US g.p.m. 61.6
17	Impeller type	Radial impeller	Head	Nominal ft
18	Head H(Q=0)	ft 45		at Qmax ft 20.8
19	Max. shaft power	hp 2.6		at Qmin ft 43.5
20	Pump weight	kg	Shaft power	hp
21	Total weight	lb 165.3	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 100 B5 2,2 kW		
45	Rated power	2.9502 hp	Rated current	8.19 A
46	Nominal speed	1740 rpm	Rated voltage	220 V
47	Frame size	100	Service factor	1
48	Weight	lb 70.5	Degree of protection	IP55

Remarks

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Project	Xylect-20070985	Created by		Last update	1/19/2025
Block	LNES 65-160/30/P46PCS4	Created on	1/19/2025		

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Performance curve

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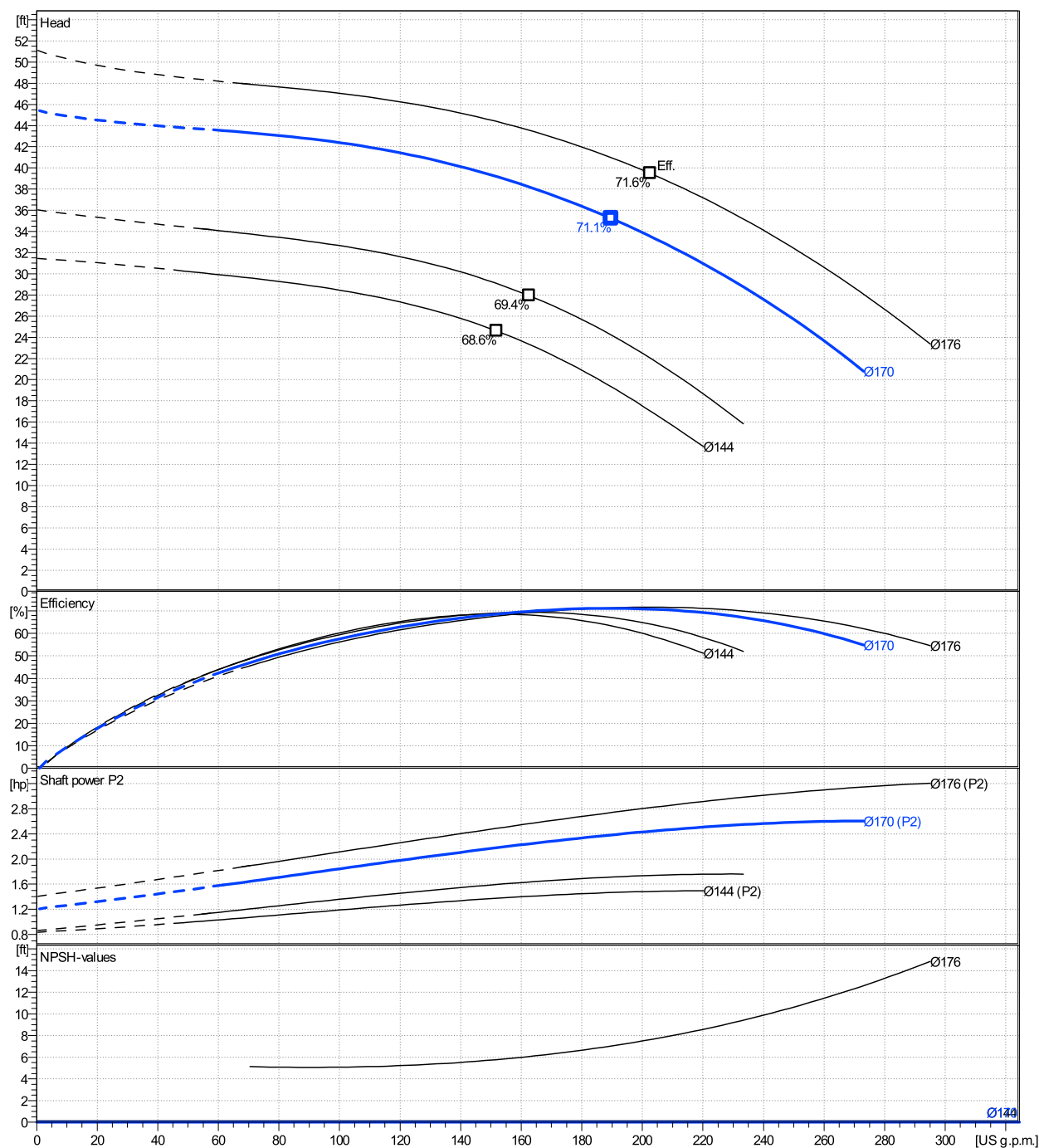
	Ø mm	Pump capacity Operating range			Pump head		Shaft power P2			Frequency		Hz
		Min. US g.p.m.	Max. US g.p.m.	Max. η US g.p.m.	H(Q=0) ft	Max. η ft	P2(Q=0) hp	Max. hp	Max. η hp	Operating speed rpm	Nominal flow US g.p.m.	
actual	6 11/16	61.6	273	190	45.4	35.2		2.6	2.38			60
Min.	0	/	/	152	31.5	24.6		/	1.38			1750
Max.	6 15/16	/	/	203	51.1	39.5		/	2.82			0
										Nominal head	ft	0
										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



LNES 65-160/22/P46PCS4

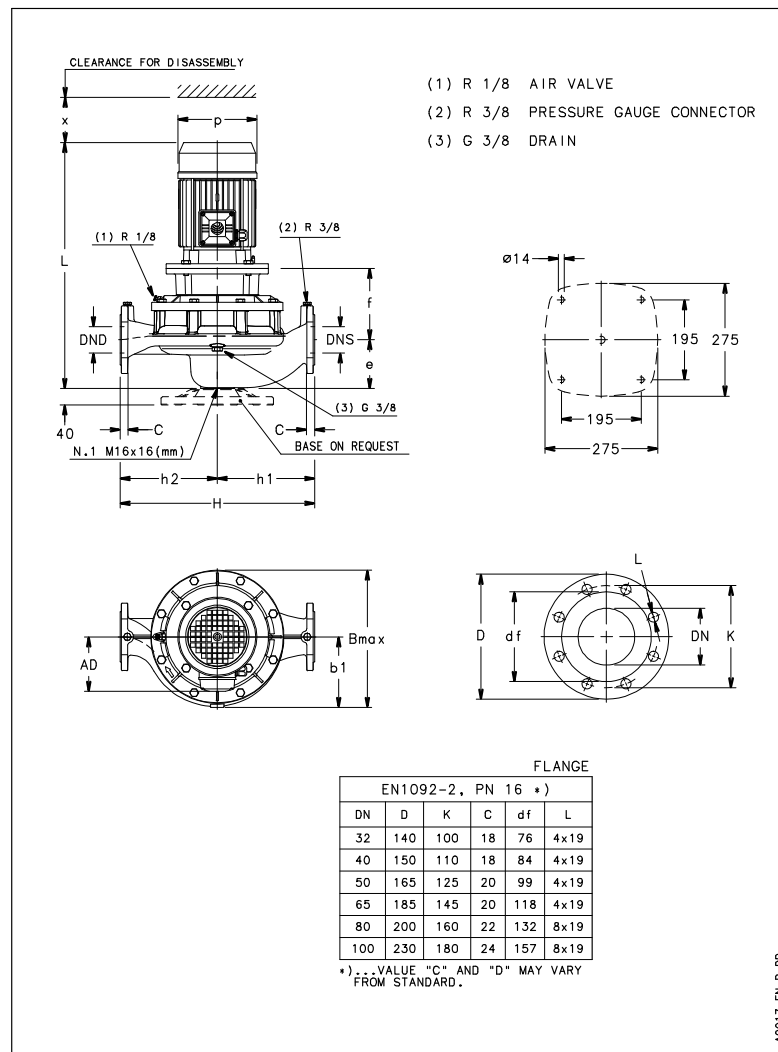
Dimensions

Company name
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Rigid coupling

PLM 100 B5 2,2 kW

Electrical and dimensional data refer to IE3 motor



Dimensions [inch]

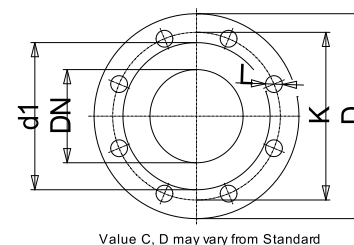
AD	9 ⁷ / ₁₆		
b1	5 ¹³ / ₁₆		
Bmax	11 ⁵ / ₈		
DNd	2 ⁹ / ₁₆		
DNs	2 ⁹ / ₁₆		
e	4 ¹ / ₈		
f	7 ¹ / ₂		
H	14 ³ / ₁₆		
h1	7 ¹ / ₂		
h2	6 ¹ / ₁₆		
L	24 ⁵ / ₁₆		
p	8 ⁷ / ₁₆		
x	3 ¹¹ / ₁₆		

Weight

Total weight	75 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	C	13 ¹ / ₁₆
D	7 ⁵ / ₁₆	D	7 ⁵ / ₁₆
df	4 ⁵ / ₈	df	4 ⁵ / ₈
DN	2 ⁹ / ₁₆	DN	2 ⁹ / ₁₆
K	5 ¹¹ / ₁₆	K	5 ¹¹ / ₁₆
L	4 x 19	L	4 x 19



Dimensions and weight without obligation

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