

LNES 100-200/55/P46PCC4

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 8 5/8
12	Operating speed	1750 rpm		designed inch 7 3/8
13	Suction nozzle	DN 100 / PN 16 / EN1092-2		Min. inch 7 3/8
14	Discharge nozzle	DN 100 / PN 16 / EN1092-2	Flow	Nominal US g.p.m.
15	Max. casing pressure	psi		Max- US g.p.m. 704.5
16	Max. working pressure	psi 25.1		Min- US g.p.m. 145.3
17	Impeller type	Radial impeller	Head	Nominal ft
18	Head H(Q=0)	ft 58		at Qmax ft 23.7
19	Max. shaft power	hp 7.3		at Qmin ft 58.2
20	Pump weight	kg	Shaft power	hp
21	Total weight	lb 293.2	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 - Ø38mm	BQ7EGG-WA
25	Impeller	Cast iron / ASTM Class 30	Mechanical seal diameter	1 1/2 inch
26	Stub shaft	Stainless steel / AISI 431	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 Nut	Stainless steel	3. Secondary seal	Ethylene propylene rubber (EPDM)
29	Impeller washer	Stainless steel	4. Springs	CrNiMo - Steel
30	Impeller key	Stainless steel / AISI 316Ti	5. Others	EPDM - WRAS
31	PLUG	Stainless steel / AISI 316Ti	Gaskets of the pump	Ethylene propylene rubber (EPDM)
32	GASKET	Asbestos-free synthetic fiber AFM34		
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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 5,5 kW	
45	Rated power	7.3756 hp	Rated current 20 A
46	Nominal speed	1758 rpm	Rated voltage 220 V
47	Frame size	132	Service factor 1
48	Weight	lb 138.0	Degree of protection IP55

Remarks

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Project	Xylect-20070985	Created by		Last update	1/19/2025
Block	LNES 100-200/110/P46PCC4	Created on	1/19/2025		

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Performance curve

Company name
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Phone number
e-mail address

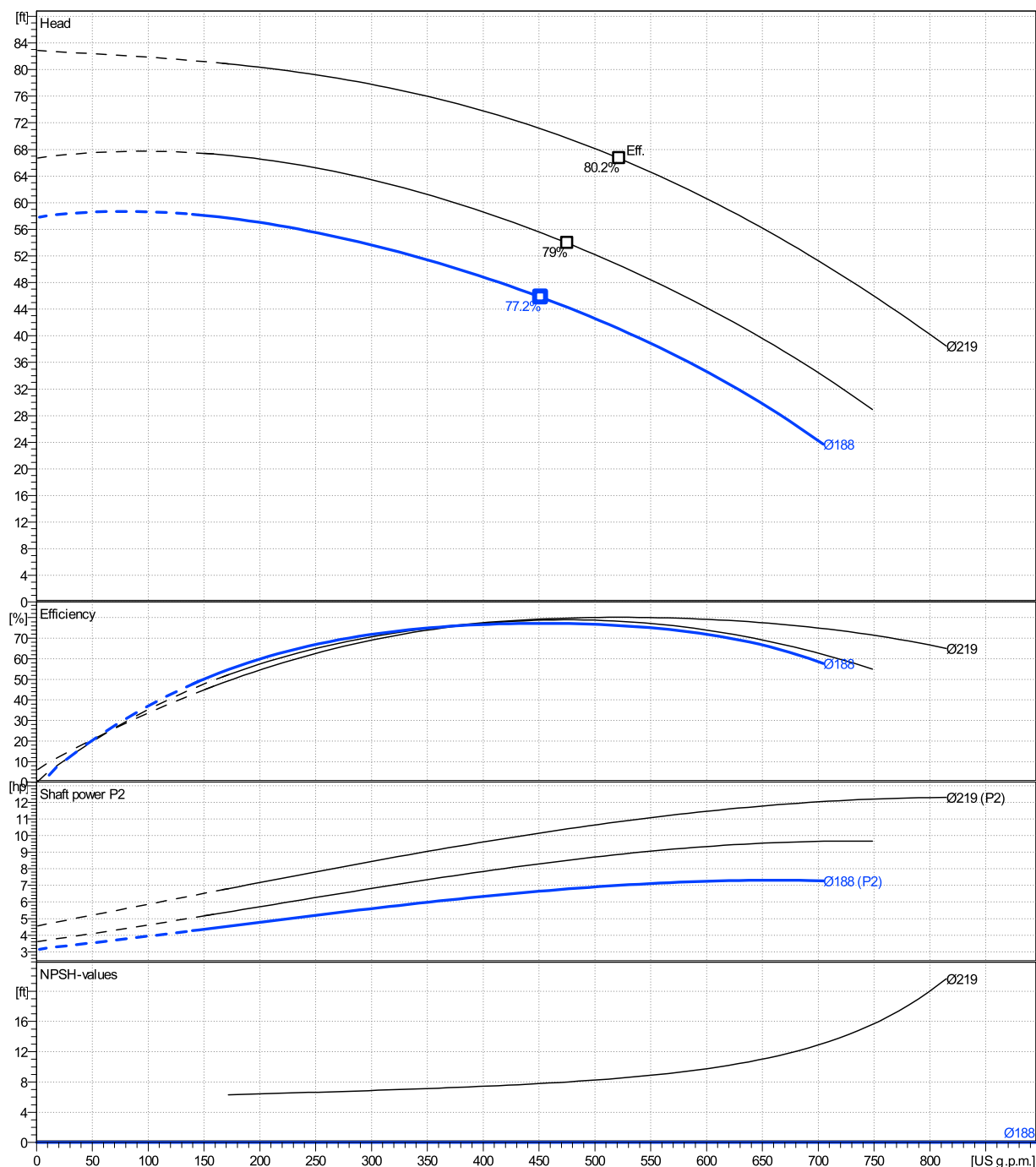
	Ø mm	Pump capacity Operating range			Pump head		Shaft power P2			Frequency		Hz
		Min. US g.p.m.	Max. US g.p.m.	Max. US g.p.m.	H(Q=0) ft	η ft	P2(Q=0) hp	Max. hp	η hp	Operating speed rpm	Nominal flow US g.p.m.	
actual	7 3/8	145	704	452	57.8	45.8		7.31	6.65			60
Min.	0	/	/	452	57.8	45.8		/	6.65			1750
Max.	8 5/8	/	/	522	82.9	66.6		/	10.8			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



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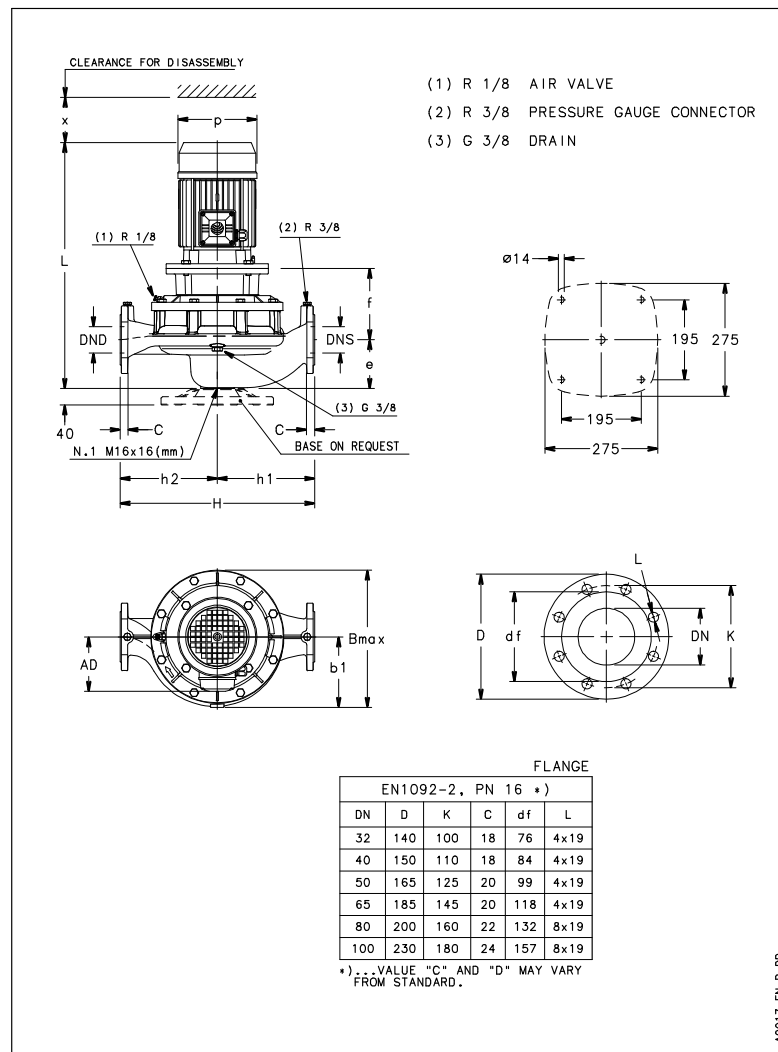
Dimensions

Company name
Contact
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Rigid coupling

PLM 132 B5 5,5 kW

Electrical and dimensional data refer to IE3 motor



Dimensions [inch]

AD	7 ¹ / ₂		
b1	7 ¹⁵ / ₁₆		
Bmax	14 ⁵ / ₈		
DNd	3 ¹⁵ / ₁₆		
DNs	3 ¹⁵ / ₁₆		
e	6 ⁷ / ₈		
f	8 ¹ / ₄		
H	21 ⁵ / ₈		
h1	11 ¹³ / ₁₆		
h2	9 ¹³ / ₁₆		
L	31 ¹ / ₈		
p	10 ¹ / ₁₆		
x	6		

Weight

Total weight	133 kg
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Connections

Suction nozzle	Discharge nozzle
DN 100	DN 100
PN 16	PN 16
EN1092-2	EN1092-2
C	15 ¹ / ₁₆
D	9 ¹ / ₁₆
df	6 ³ / ₁₆
DN	3 ¹⁵ / ₁₆
K	7 ¹ / ₁₆
L	8 x 19

Dimensions and weight without obligation

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