

LNES 40-160/55/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 6 3/4
12	Operating speed	3500 rpm	Stages 1		designed	inch 5 7/8
13	Suction nozzle	DN 40 /	PN 16 /		Min.	inch 5 3/8
14	Discharge nozzle	DN 40 /	PN 16 /	Flow	Nominal US g.p.m.	
15	Max. casing pressure	psi			Max-	US g.p.m. 193.7
16	Max. working pressure	psi	58.6		Min-	US g.p.m. 44
17	Impeller type	Radial impeller		Head	Nominal	ft
18	Head H(Q=0)	ft	140		at Qmax	ft 80.5
19	Max. shaft power	hp	7.3		at Qmin	ft 139
20	Pump weight	kg		Shaft power	hp	
21	Total weight	lb	143.3	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)	
32						
33						
34						
35						
36						
37						
38						
39						
40						
41						

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 132R B5 5,5 kW		
45	Rated power	7.3756 hp	Rated current	18.1 A
46	Nominal speed	3516 rpm	Rated voltage	220 V
47	Frame size	132R	Service factor	1
48	Weight	lb 82.9	Degree of protection	IP55

Remarks

49	
50	
50	
52	

Project	Xylect-20070985	Created by		Last update	1/19/2025
Block	LNES 40-160/110A/P26PCS4	Created on	1/19/2025		

LNES 40-160/55/P26PCS4

Performance curve

Company name
Contact
Phone number
e-mail address

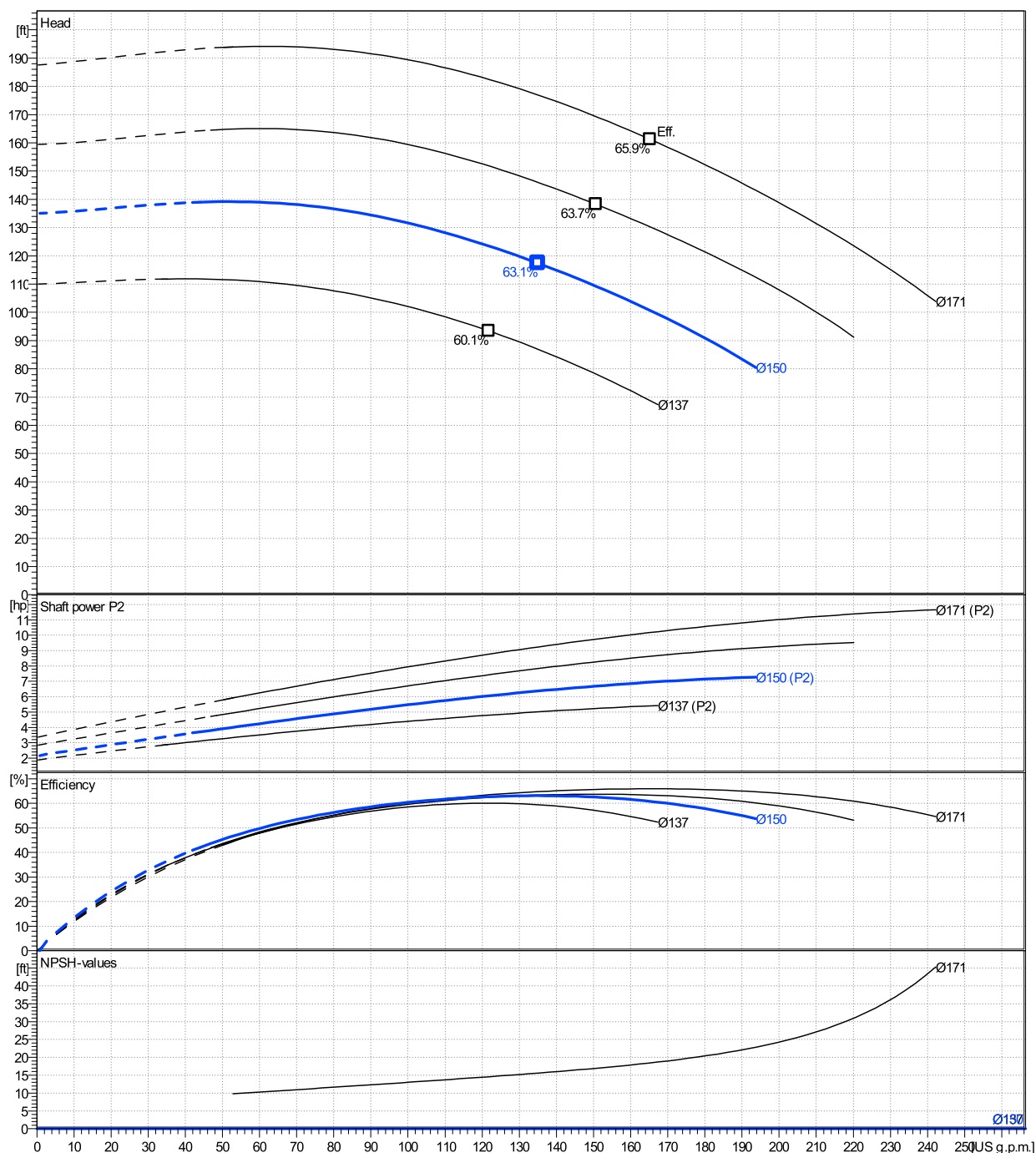
	Ø mm	Pump capacity Operating range Min. Max. η US g.p.m. US g.p.m. US g.p.m.			Pump head H(Q=0) η ft. ft.		Shaft power P2 P2(Q=0) Max. η hp. hp. hp.			Frequency Hz 60	
		Min.	Max.	Max.	H(Q=0)	η	P2(Q=0)	Max.	η	Operating speed rpm	3500
actual	5 7/8	44	194	135	135	117		7.28	6.37	Nominal flow US g.p.m.	0
Min.	0	/	/	122	110	93.4		/	4.79	Nominal head ft	0
Max.	6 3/4	/	/	165	188	161		/	10.2	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 40-160/55/P26PCS4

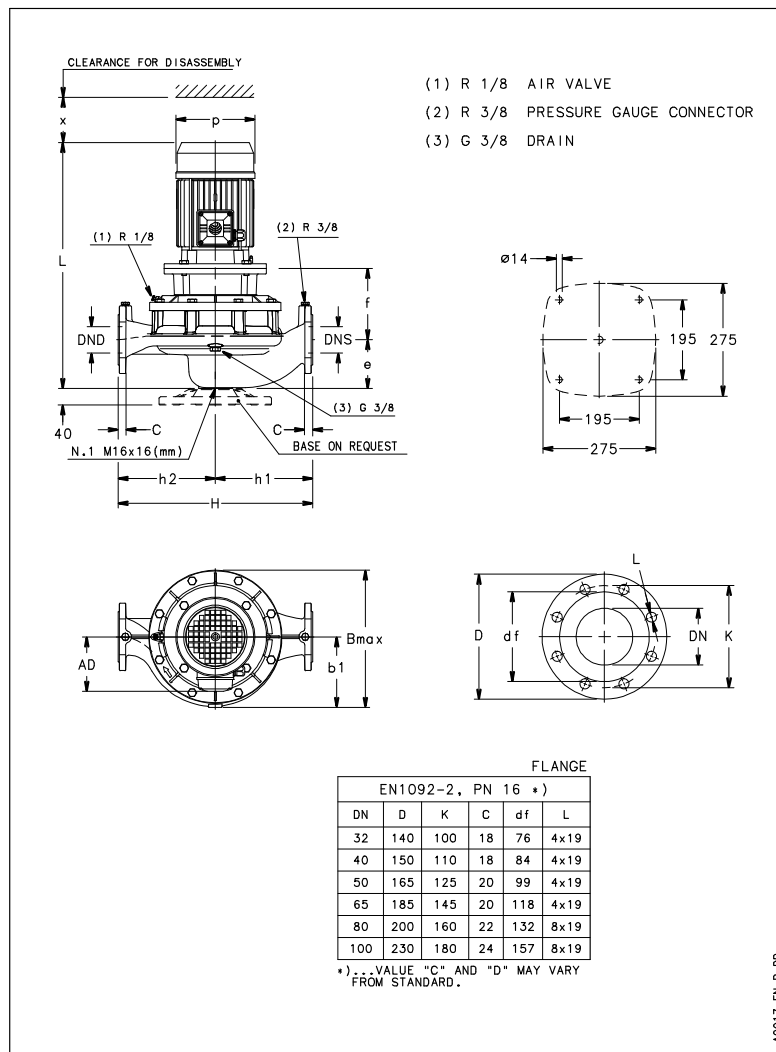
Dimensions

Company name
Contact
Phone number
e-mail address

Rigid coupling

PLM 132R B5 5,5 kW

Electrical and dimensional data refer to IE3 motor



Dimensions [inch]

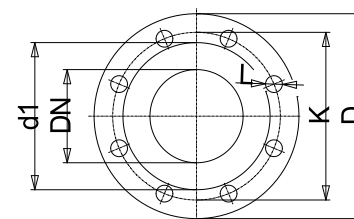
AD	6 ⁵ / ₈
b1	5 ¹ / ₁₆
Bmax	9 ¹³ / ₁₆
DNd	1 ⁹ / ₁₆
DNs	1 ⁹ / ₁₆
e	3 ¹⁵ / ₁₆
f	7 ¹⁵ / ₁₆
H	12 ⁵ / ₈
h1	6 ⁵ / ₁₆
h2	6 ⁵ / ₁₆
L	26 ⁵ / ₈
p	8 ⁷ / ₁₆
x	3 ¹¹ / ₁₆

Weight

Total weight	65 kg
--------------	-------

Connections

Suction nozzle	Discharge nozzle
DN 40	DN 40
PN 16	PN 16
EN1092-2	EN1092-2
C	1 ¹¹ / ₁₆
D	5 ⁷ / ₈
df	3 ⁵ / ₁₆
DN	1 ⁹ / ₁₆
K	4 ⁵ / ₁₆
L	4 x 19



Value C, D may vary from Standard

Dimensions and weight without obligation

Project	Xylect-20070985	Created by		Last update	1/19/2025
Block	LNES 40-160/110A/P26PCS4	Created on	1/19/2025		