

LNEE 40-250/185/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				Impeller Ø	Max.	inch	9 7/16		
11	Design	In-Line single head				designed	inch	8 7/8		
12	Operating speed	3500 rpm	Stages	1		Min.	inch	8 3/16		
13	Suction nozzle	DN 40	/	PN 16	/	EN1092-2	Nominal	US g.p.m.		
14	Discharge nozzle	DN 40	/	PN 16	/	EN1092-2	Flow	Max-	US g.p.m.	233.4
15	Max. casing pressure	psi				Min-	US g.p.m.	66		
16	Max. working pressure	psi	138.5				Head	Nominal	ft	
17	Impeller type	Radial impeller						at Qmax	ft	186.1
18	Head H(Q=0)	ft	320				at Qmin	ft	313.1	
19	Max. shaft power	hp	24.7				Shaft power	hp		
20	Pump weight	kg				Efficiency	%			
21	Total weight	lb	335.1				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)
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		
44	Type	PLM 160 B14 18,5 kW		
45	Rated power	24.809 hp	Rated current	58.7 A
46	Nominal speed	3550 rpm	Rated voltage	220 V
47	Frame size	160	Service factor	1
48	Weight	lb 267.2	Degree of protection	IP55

Remarks

49	
50	
50	
52	

Project	Xylect-20185360	Created by		Last update	1/13/2025
Block	LNEE 40-250/40/P46PCS4	Created on	1/13/2025		

LNEE 40-250/185/P26PCS4

Performance curve

Company name
Contact
Phone number
e-mail address

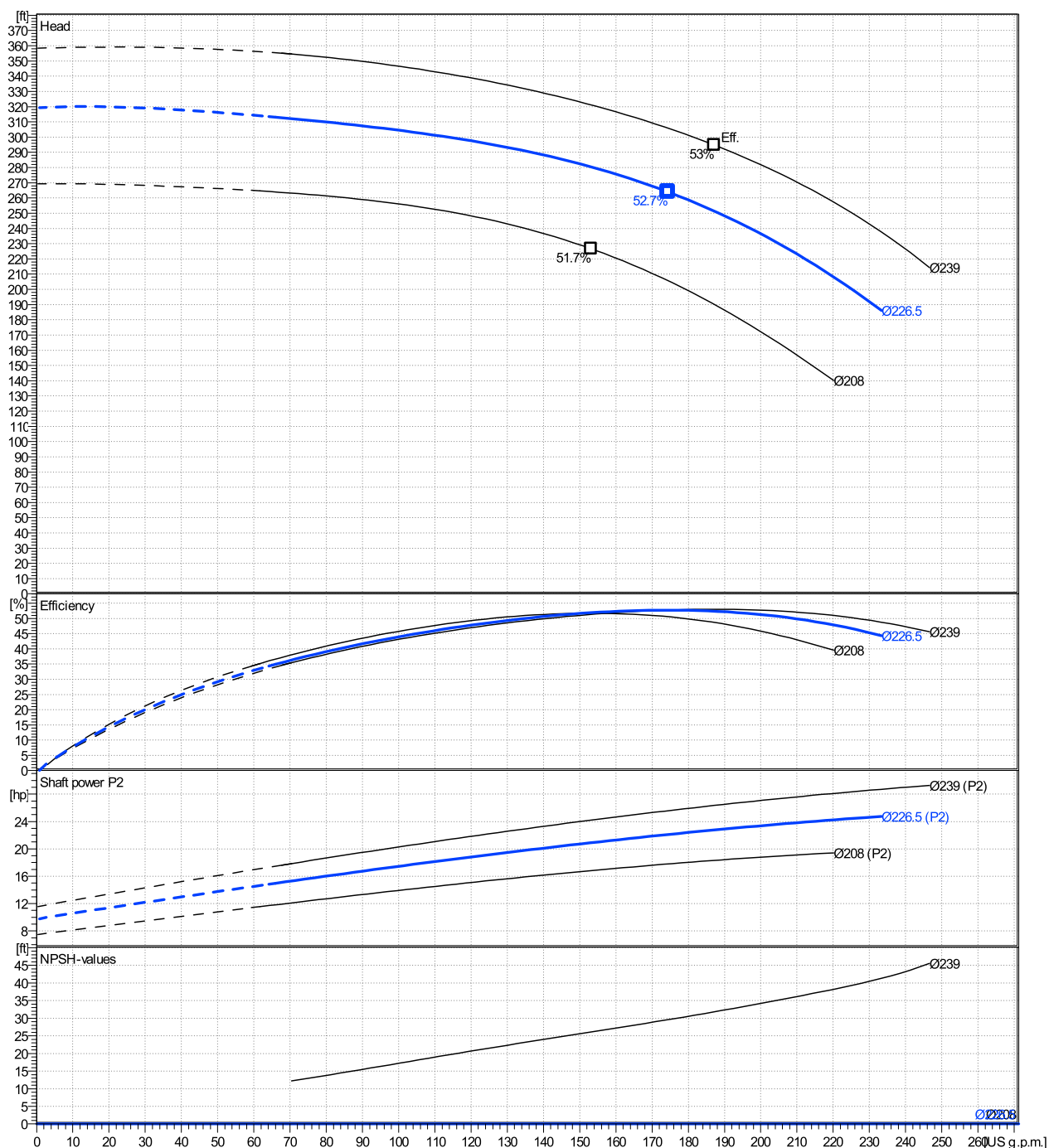
	Ø	Pump capacity			Pump head		Shaft power P2			Frequency	Hz	60
		Operating range										
	mm	Min.	Max.	Max.	H(Q=0)	η	P2(Q=0)	Max.	η	Operating speed	rpm	3500
		US g.p.m.	US g.p.m.	US g.p.m.	ft	ft	hp	hp	hp	Nominal flow	US g.p.m.	0
actual	8 7/8	66	233	174	319	264		24.7	22.1	Nominal head	ft	0
Min.	0	/	/	153	269	227	/	/	16.8	Inlet pressure	psi	0
Max.	9 7/16	/	/	187	358	295	/	/	26.3	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



LNEE 40-250/185/P26PCS4

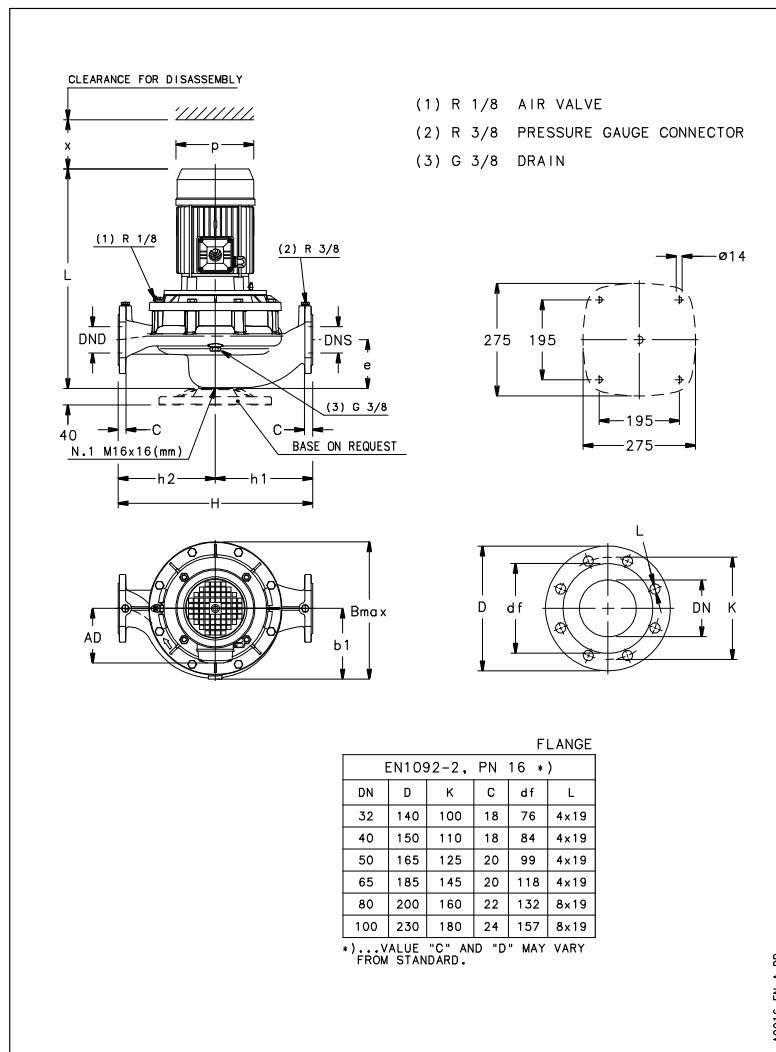
Dimensions

Company name
Contact
Phone number
e-mail address

Close coupled

PLM 160 B14 18,5 kW

Electrical and dimensional data refer to IE3 motor



Dimensions [inch]

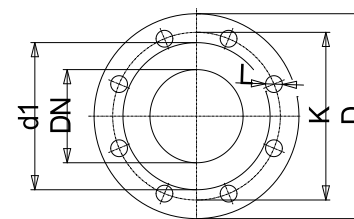
AD	9 ⁷ / ₁₆		
b1	6 ⁵ / ₈		
Bmax	16 ¹ / ₁₆		
DND	1 ⁹ / ₁₆		
DNS	1 ⁹ / ₁₆		
e	4 ⁵ / ₁₆		
H	17 ⁵ / ₁₆		
h1	8 ¹¹ / ₁₆		
h2	8 ¹¹ / ₁₆		
L	27 ¹¹ / ₁₆		
p	12 ⁵ / ₁₆		
x	4 ¹ / ₈		

Weight

Total weight	152 kg
--------------	--------

Connections

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



Value C, D may vary from Standard

Dimensions and weight without obligation

Project	Xylect-20185360	Created by		Last update	1/13/2025
Block	LNEE 40-250/40/P46PCS4	Created on	1/13/2025		