

# LNES 65-125/110/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/ft <sup>3</sup> 62.4
6	Inlet pressure	psi	0	Kin. viscosity at t A	ft <sup>2</sup> /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	Stages 1		designed inch 5 11/16
13	Suction nozzle	DN 65 /	PN 16 /	EN1092-2	Min. inch 4 5/8
14	Discharge nozzle	DN 65 /	PN 16 /	EN1092-2	Flow
15	Max. casing pressure	psi			Nominal US g.p.m.
16	Max. working pressure	psi	63.6		Max- US g.p.m. 440.3
17	Impeller type	Radial impeller		Head	Min- US g.p.m. 136.5
18	Head H(Q=0)	ft	150		Nominal ft
19	Max. shaft power	hp	14.9		at Qmax ft 89.1
20	Pump weight	kg		at Qmin ft 137.4	Shaft power hp
21	Total weight	lb	257.9	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 160 B5 11 kW			
45	Rated power	14.751 hp	Rated current	35.7 A	
46	Nominal speed	3534 rpm	Rated voltage	220 V	
47	Frame size	160	Service factor	1	
48	Weight	lb 155.2	Degree of protection	IP55	

Remarks					
49					
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50					
52					

# LNES 65-125/110/P26PCS4

## Performance curve

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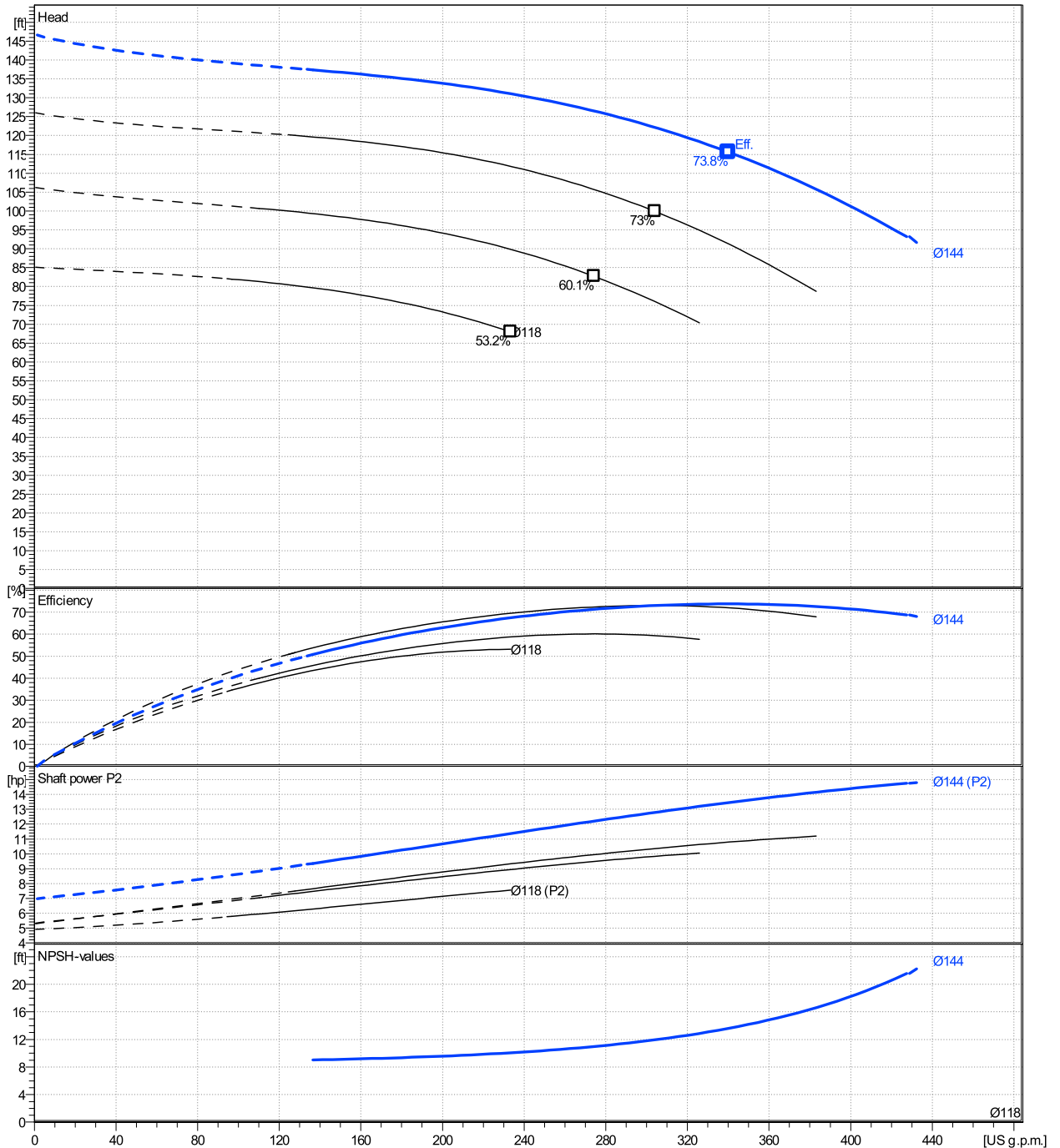
	Ø mm	Pump capacity			Pump head		Shaft power P2			Frequency		Hz	60
		Operating range Min. US g.p.m.	Max. US g.p.m.	η Max. US g.p.m.	H(Q=0) ft	η Max. ft	P2(Q=0) hp	Max. hp	η Max. hp	Operating speed rpm	Nominal flow US g.p.m.		
actual	5 11/16	136	427	340	147	116	14.9	13.4				3500	
Min.	0	/	/	233	85.1	68	/	7.55				0	
Max.	5 11/16	/	/	340	147	116	/	13.4				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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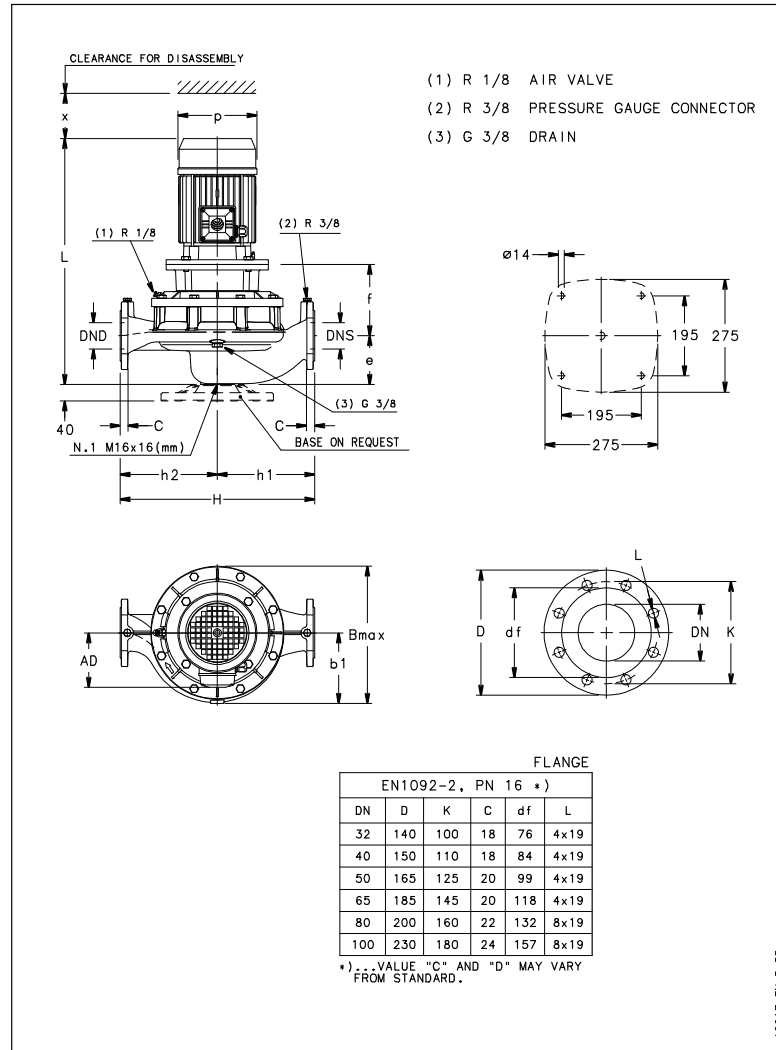
## Dimensions

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Rigid coupling

PLM 160 B5 11 kW

Electrical and dimensional data refer to IE3 motor



### Dimensions [ inch ]

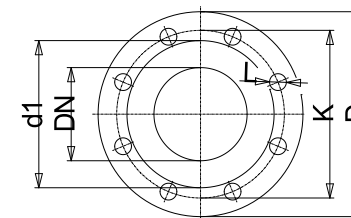
AD	7 <sup>1</sup> / <sub>2</sub>		
b1	5 <sup>13</sup> / <sub>16</sub>		
Bmax	11 <sup>9</sup> / <sub>8</sub>		
DNd	2 <sup>9</sup> / <sub>16</sub>		
DNs	2 <sup>9</sup> / <sub>16</sub>		
e	4 <sup>1</sup> / <sub>8</sub>		
f	9 <sup>3</sup> / <sub>4</sub>		
H	14 <sup>3</sup> / <sub>16</sub>		
h1	7 <sup>1</sup> / <sub>2</sub>		
h2	6 <sup>11</sup> / <sub>16</sub>		
L	30 <sup>11</sup> / <sub>16</sub>		
p	10 <sup>1</sup> / <sub>16</sub>		
x	3 <sup>15</sup> / <sub>16</sub>		

### Weight

Total weight	117 kg
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### Connections

Suction nozzle		Discharge nozzle	
DN 65		DN 65	
PN 16		PN 16	
EN1092-2		EN1092-2	
C	1 <sup>3</sup> / <sub>16</sub>	C	1 <sup>3</sup> / <sub>16</sub>
D	7 <sup>5</sup> / <sub>16</sub>	D	7 <sup>5</sup> / <sub>16</sub>
df	4 <sup>5</sup> / <sub>8</sub>	df	4 <sup>5</sup> / <sub>8</sub>
DN	2 <sup>9</sup> / <sub>16</sub>	DN	2 <sup>9</sup> / <sub>16</sub>
K	5 <sup>11</sup> / <sub>16</sub>	K	5 <sup>11</sup> / <sub>16</sub>
L	4 x 19	L	4 x 19



Value C, D may vary from Standard

### Dimensions and weight without obligation

Project Xylect-20070985  
Block LNES 65-125/15/P46PCS4

Created by  
Created on 1/19/2025

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