

# LNES 65-250/75/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/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 10 1/16
12	Operating speed	1750 rpm	Stages 1		designed inch 10 1/16
13	Suction nozzle	DN 65 /	PN 16 /	EN1092-2	Min. inch 8 11/16
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	47.3		Max- US g.p.m. 352.2
17	Impeller type	Radial impeller		Head	Min- US g.p.m. 83.7
18	Head H(Q=0)	ft	110		Nominal ft
19	Max. shaft power	hp	9.2		at Qmax ft 64.7
20	Pump weight	kg		at Qmin ft 109.5	Shaft power hp
21	Total weight	lb	262.3	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 - 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)
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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 7,5 kW			
45	Rated power	10.058 hp	Rated current	26.6 A	
46	Nominal speed	1746 rpm	Rated voltage	220 V	
47	Frame size	132	Service factor	1	
48	Weight	lb 146.8	Degree of protection	IP55	

Remarks					
49					
50					
50					
52					

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## Performance curve

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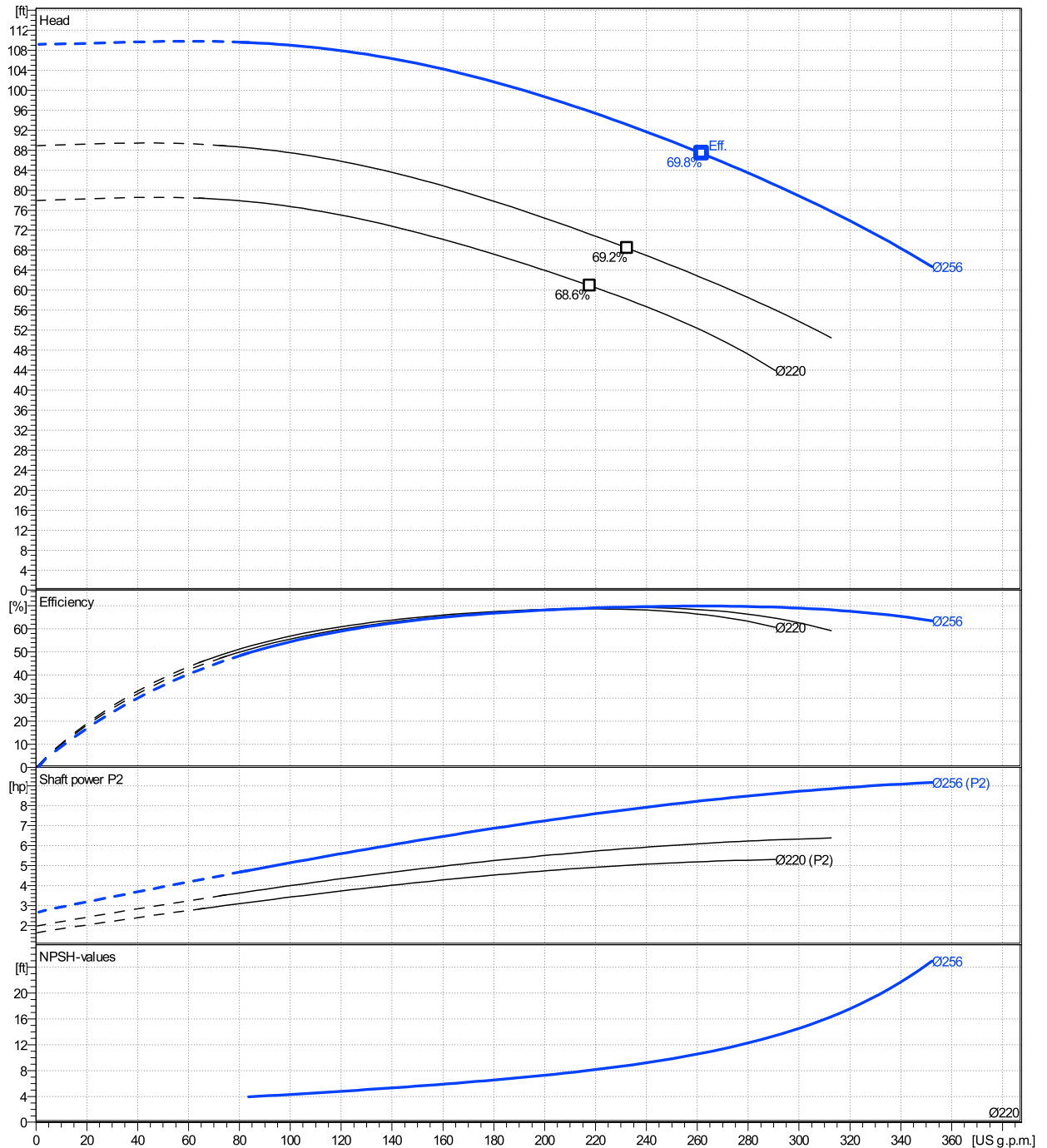
	Ø mm	Pump capacity Operating range η			Pump head H(Q=0) η		Shaft power P2 P2(Q=0) η			Frequency Hz	
		Min. US g.p.m.	Max. US g.p.m.	Max. US g.p.m.	ft	ft	hp	Max. hp	Max. hp	Operating speed rpm	1750
actual	10 1/16	83.7	352	262	109	87.3		9.16	8.25	Nominal flow US g.p.m.	0
Min.	0	/	/	218	77.9	60.9		/	4.9	Nominal head ft	0
Max.	10 1/16	/	/	262	109	87.3		/	8.25	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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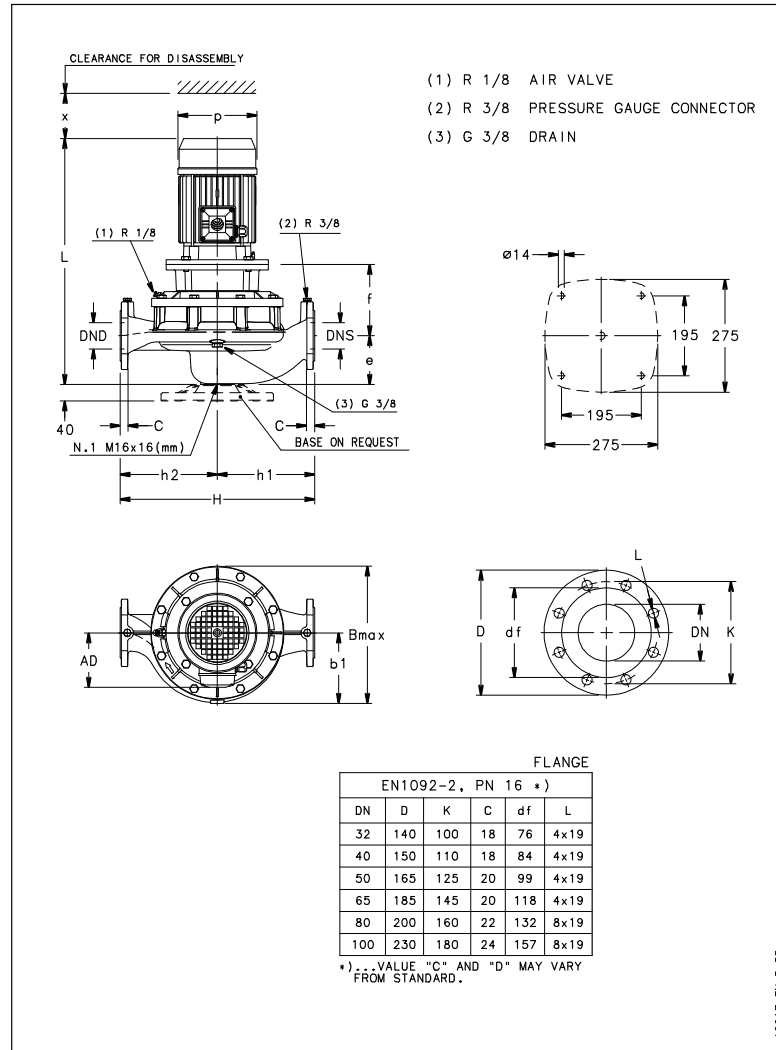
## Dimensions

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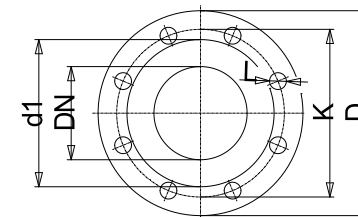
Rigid coupling

PLM 132 B5 7,5 kW

Electrical and dimensional data refer to IE3 motor



A0017-EN\_LB\_DD



Value C, D may vary from Standard

Dimensions		[ inch ]	
AD	7 <sup>1</sup> / <sub>2</sub>		
b1	7 <sup>1</sup> / <sub>64</sub>		
Bmax	13 <sup>11</sup> / <sub>16</sub>		
DNd	2 <sup>9</sup> / <sub>16</sub>		
DNS	2 <sup>9</sup> / <sub>16</sub>		
e	4 <sup>5</sup> / <sub>8</sub>		
f	7 <sup>9</sup> / <sub>16</sub>		
H	18 <sup>11</sup> / <sub>16</sub>		
h1	9 <sup>3</sup> / <sub>8</sub>		
h2	9 <sup>3</sup> / <sub>8</sub>		
L	28 <sup>1</sup> / <sub>8</sub>		
p	10 <sup>1</sup> / <sub>16</sub>		
x	4 <sup>1</sup> / <sub>8</sub>		

Weight	
Total weight	119 kg

Connections			
<b>Suction nozzle</b>	<b>Discharge nozzle</b>		
<b>DN 65</b>	<b>DN 65</b>		
<b>PN 16</b>	<b>PN 16</b>		
<b>EN1092-2</b>	<b>EN1092-2</b>		
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

### Dimensions and weight without obligation

Project	Xylect-20070985	Created by		Last update	1/19/2025
Block	LNES 65-250/75/P46PCS4	Created on	1/19/2025		