

LNES 65-200/300/L26UCS4

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 ³ 62.4
6	Inlet pressure	psi	0	Kin. viscosity at t A	ft ² /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 1/4
12	Operating speed	3500 rpm	Stages 1		designed inch 8 1/4
13	Suction nozzle	DN 65 /	PN 16 / EN1092-2		Min. inch 7 1/16
14	Discharge nozzle	DN 65 /	PN 16 / EN1092-2	Flow	Nominal US g.p.m.
15	Max. casing pressure	psi			Max- US g.p.m. 484.3
16	Max. working pressure	psi	128.4	Min- US g.p.m. 136.5	
17	Impeller type	Radial impeller		Head	Nominal ft
18	Head H(Q=0)	ft	300		at Qmax ft 234.9
19	Max. shaft power	hp	41.2		at Qmin ft 297
20	Pump weight	kg		Shaft power	hp
21	Total weight	lb	561.1	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	3MAS 200 L B5 30 kW			
45	Rated power	40.231 hp	Rated current	54.7 A	
46	Nominal speed	3552 rpm	Rated voltage	380 V	
47	Frame size	200 L	Service factor	1	
48	Weight	lb 466.3	Degree of protection	IP55	

Remarks					
49					
50					
50					
52					

LNES 65-200/300/L26UCS4

Performance curve

Company name
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e-mail address

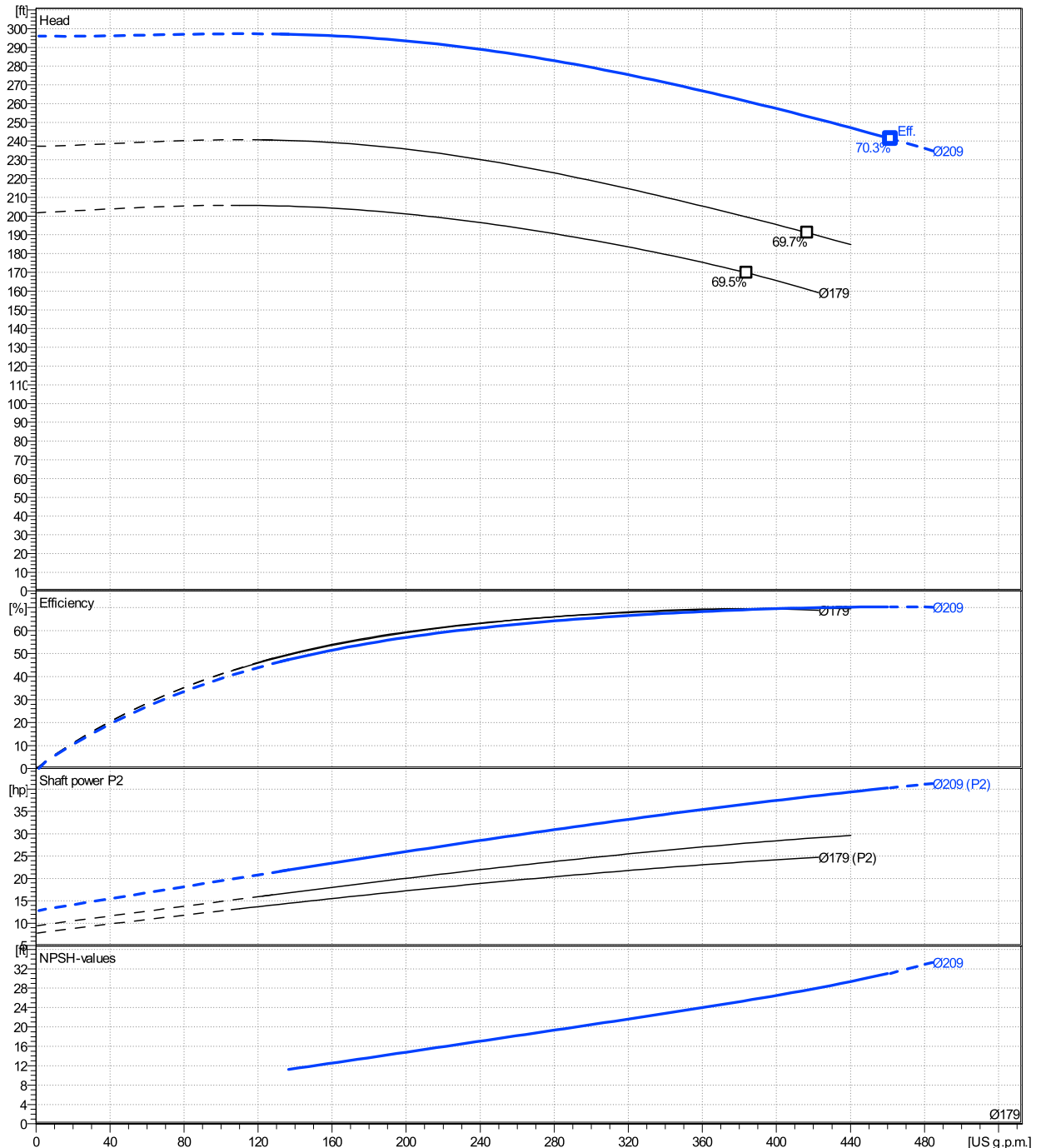
	Ø mm	Pump capacity Operating range η			Pump head H(Q=0) η		Shaft power P2 P2(Q=0) η			Frequency	Hz	
		Min. US g.p.m.	Max. US g.p.m.	Max. US g.p.m.	H(Q=0) ft	Max. ft	P2(Q=0) hp	Max. hp	η hp	Operating speed	rpm	
actual	8 1/4	136	460	462	296	241	41.2	40.3	Nominal flow	US g.p.m.	0	
Min.	0	/	/	384	202	170	/	23.7	Nominal head	ft	0	
Max.	8 1/4	/	/	462	296	241	/	40.3	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 65-200/300/L26UCS4

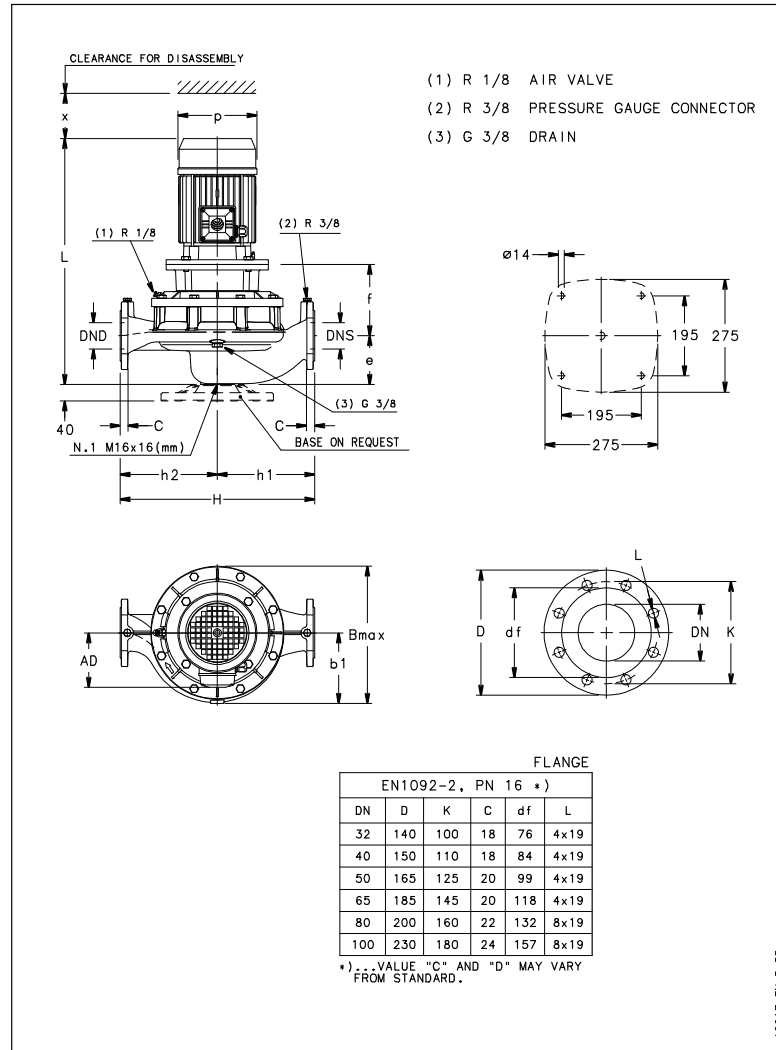
Dimensions

Company name
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Rigid coupling

3MAS 200 L B5 30 kW

Electrical and dimensional data refer to IE3 motor



Dimensions [inch]

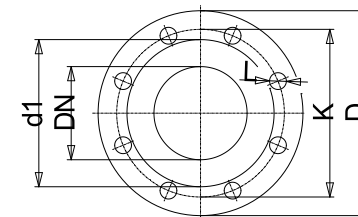
AD	11 ¹³ / ₁₆
b1	7 ¹ / ₆₄
Bmax	13 ¹¹ / ₁₆
DNd	2 ⁹ / ₁₆
DNS	2 ⁹ / ₁₆
e	4 ⁵ / ₈
f	9
H	18 ¹¹ / ₁₆
h1	9 ³ / ₈
h2	9 ³ / ₈
L	40 ¹ / ₁₆
p	16 ¹ / ₁₆
x	4 ¹ / ₈

Weight

Total weight	254.5 kg
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Connections

Suction nozzle		Discharge nozzle	
DN 65		DN 65	
PN 16		PN 16	
EN1092-2		EN1092-2	
C	1 ³ / ₁₆	C	1 ³ / ₁₆
D	7 ⁵ / ₁₆	D	7 ⁵ / ₁₆
df	4 ⁵ / ₈	df	4 ⁵ / ₈
DN	2 ⁹ / ₁₆	DN	2 ⁹ / ₁₆
K	5 ¹¹ / ₁₆	K	5 ¹¹ / ₁₆
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 65-200/40/P46PCS4

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