

LNES 32-160/11/S26PCS4

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 4 15/16
12	Operating speed	3500 rpm		designed inch 3 5/8
13	Suction nozzle	DN 32 / PN 16 / EN1092-2		Min. inch 3 5/8
14	Discharge nozzle	DN 32 / PN 16 / EN1092-2	Flow	Nominal US g.p.m.
15	Max. casing pressure	psi		Max- US g.p.m. 92.5
16	Max. working pressure	psi 21.6		Min- US g.p.m. 11.5
17	Impeller type	Radial impeller	Head	Nominal ft
18	Head H(Q=0)	ft 50		at Qmax ft 22.2
19	Max. shaft power	hp 1.4		at Qmin ft 51.4
20	Pump weight	kg	Shaft power	hp
21	Total weight	lb 83.6	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 - Ø14mm	BQ7EGG-WA
25	Impeller	Stainless steel / AISI 316L	Mechanical seal diameter	9/16 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

42	Manufacturer	Lowara		
43	Specific design	IE3 3ph Flange Motor - Premium Efficiency		
44	Type	SM 80 B5 1,1 kW		
45	Rated power	1.4751 hp	Rated current	4.19 A
46	Nominal speed	3490 rpm	Rated voltage	220 V
47	Frame size	80	Service factor	1
48	Weight	lb 30.9	Degree of protection	IP55

Remarks

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Project	Xylect-20070985	Created by		Last update	1/19/2025
Block	LNES 32-160/30/P26PCS4	Created on	1/19/2025		

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Performance curve

Company name
Contact
Phone number
e-mail address

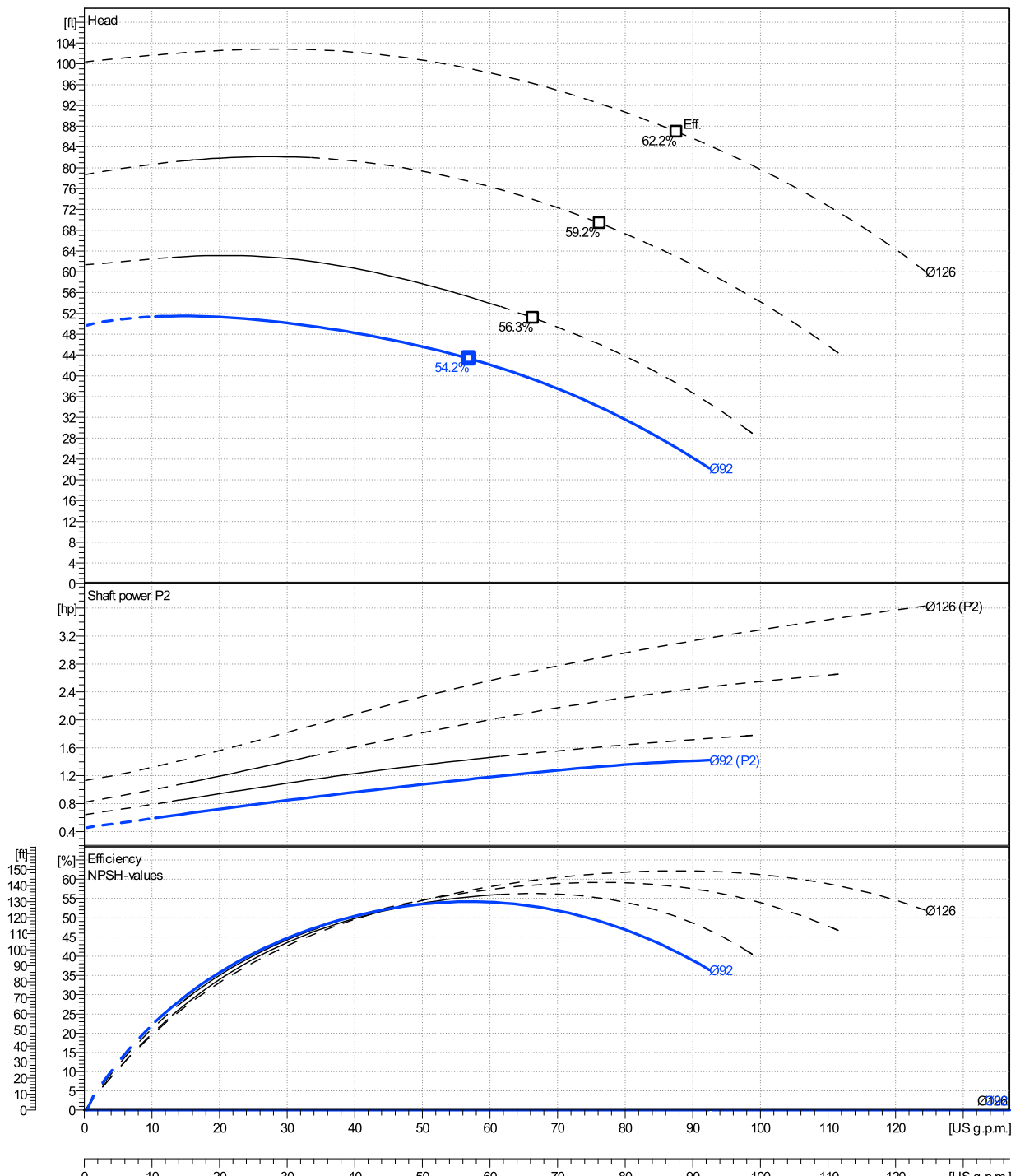
	Ø mm	Pump capacity Operating range			Pump head		Shaft power P2			Frequency	Hz	60
		Min. US g.p.m.	Max. US g.p.m.	Max. US g.p.m.	H(Q=0) ft	η Max. ft	P2(Q=0) hp	Max. hp	η Max. hp	Operating speed rpm		3500
actual	3 5/8	11.5	92.5	56.9	49.7	43.3		1.42	1.15	Nominal flow	US g.p.m.	0
Min.	0	/	/	56.9	49.7	43.3		/	1.15	Nominal head	ft	0
Max.	4 15/16	/	/	87.6	100	86.9		/	3.09	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



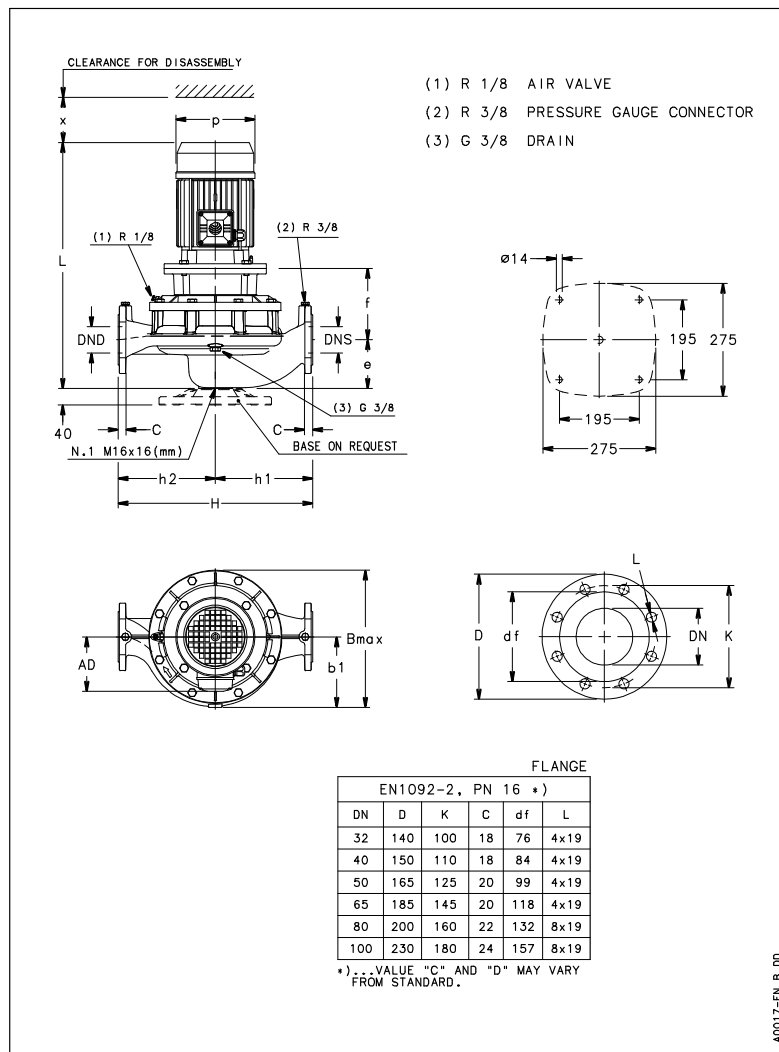
LNES 32-160/11/S26PCS4

Dimensions

Company name
Contact
Phone number
e-mail address

Rigid coupling

SM 80 B5 1,1 kW



Dimensions [inch]

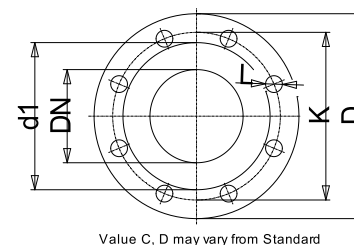
AD	5 1/2
b1	4 13/16
Bmax	9 13/16
DNd	1 1/4
DNs	1 1/4
e	3 9/16
f	6 1/8
H	12 5/8
h1	6 5/16
h2	6 5/16
L	20
p	6 1/8
x	2 15/16

Weight

Total weight	37.9 kg
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Connections

Suction nozzle	Discharge nozzle
DN 32	DN 32
PN 16	PN 16
EN1092-2	EN1092-2
C	11/16
D	5 1/2
df	3
DN	1 1/4
K	3 15/16
L	4 x 19



Dimensions and weight without obligation

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