

LNES 40-160/07/X46RCS4

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 6 3/4
12	Operating speed	1750 rpm		designed inch 6 5/16
13	Suction nozzle	DN 40 / PN 16 / EN1092-2		Min. inch 5 7/8
14	Discharge nozzle	DN 40 / PN 16 / EN1092-2	Flow	Nominal US g.p.m.
15	Max. casing pressure	psi		Max- US g.p.m. 83.7
16	Max. working pressure	psi 16.9		Min- US g.p.m. 22
17	Impeller type	Radial impeller	Head	Nominal ft
18	Head H(Q=0)	ft 39		at Qmax ft 29.8
19	Max. shaft power	hp 1		at Qmin ft 39.6
20	Pump weight	kg	Shaft power	hp
21	Total weight	lb 81.3	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 - 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

42	Manufacturer	Xylem		
43	Specific design	IE3 3ph Flange Motor - Premium Efficiency		
44	Type	LLM480B5/307		
45	Rated power	1.0058 hp	Rated current	2.6 A
46	Nominal speed	1735 rpm	Rated voltage	265 V
47	Frame size	80	Service factor	1
48	Weight	lb 24.3	Degree of protection	IP55

Remarks

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Project	Xylect-20070985	Created by		Last update	1/19/2025
Block	LNES 40-160/110A/P26PCS4	Created on	1/19/2025		

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Performance curve

Company name
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Phone number
e-mail address

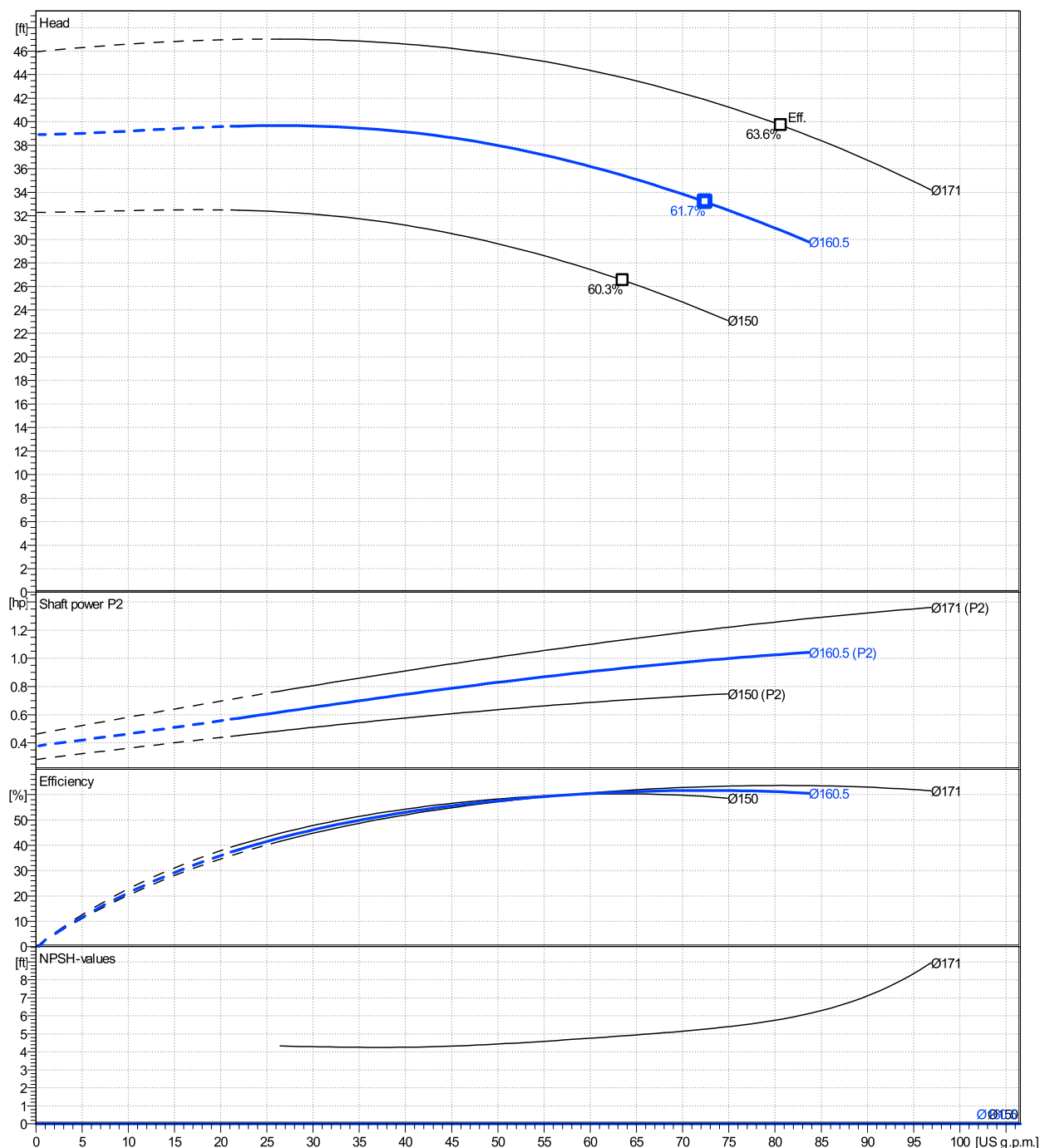
	Ø mm	Pump capacity Operating range			Pump head		Shaft power P2			Frequency	Hz	60
		Min. US g.p.m.	Max. US g.p.m.	Max. η US g.p.m.	H(Q=0) ft	Max. η ft	P2(Q=0) hp	Max. hp	Max. η hp	Operating speed	rpm	1750
actual	6 5/16	22	83.7	72.5	38.9	33.2		1.04	0.985	Nominal flow	US g.p.m.	0
Min.	0	/	/	63.5	32.3	26.5	/	/	0.704	Nominal head	ft	0
Max.	6 3/4	/	/	80.7	45.9	39.7	/	/	1.26	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



Project Block Xylect-20070985
LNES 40-160/110A/P26PCS4

Created by
Created on 1/19/2025

Last update 1/19/2025

Program version
75.0 - 06/12/2024 (Build 274)

Data version
18/01/2025 09:55

User group(s)
Xylem: United Kingdom - EXT

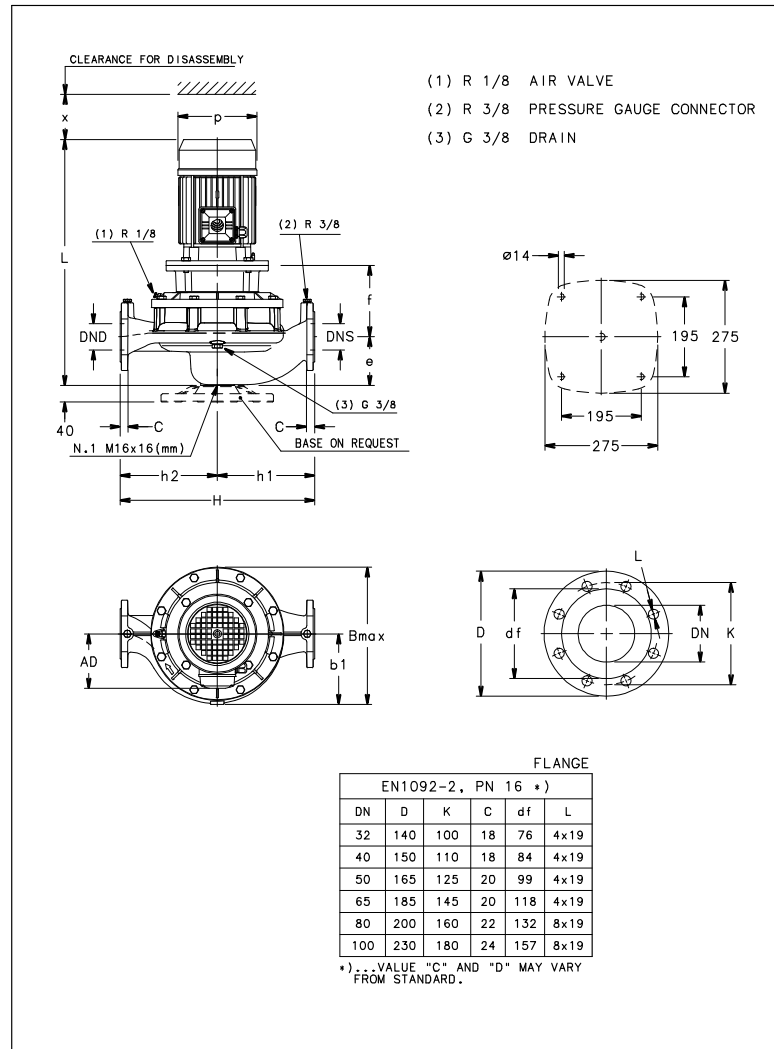
LNES 40-160/07/X46RCS4

Dimensions

Company name
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e-mail address

Rigid coupling

LLM480B5/307



Dimensions [inch]

AD	5 1/2		
b1	5 1/16		
Bmax	9 13/16		
DNd	1 9/16		
DNs	1 9/16		
e	3 15/16		
f	6 1/2		
H	12 5/8		
h1	6 5/16		
h2	6 5/16		
L	19 1/2		
p	6 1/4		
x	3 11/16		

Weight

Total weight	36.9 kg
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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

Dimensions and weight without obligation

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