

LNES 65-160/75/P25VCS4

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	°C 4
3	Nominal flow	m³/h 0	Max / Min Operating Temperature mech. Seal	°C 120 / -25
4	Nominal head	m 0	pH-value at t A	7
5	Static head	m 0	Density at t A	kg/m³ 1000
6	Inlet pressure	kPa 0	Kin. viscosity at t A	mm²/s 1.569
7	Environmental temperature	°C 20	Vapor pressure at t A	kPa 100
8	Available system NPSH	m 0	Altitude	0

Pump data

9	Lubrication	Standard, Grease lubrication [Std]		
10	Execution			
11	Design	In-line	Impeller Ø	Max. mm 176
12	Operating speed	2900 rpm		designed mm 159
13	Suction nozzle	DN 65 / PN 16 / EN1092-2		Min. mm 144
14	Discharge nozzle	DN 65 / PN 16 / EN1092-2	Flow	Nominal m³/h
15	Max. casing pressure	kPa		Max- m³/h 97
16	Max. working pressure	kPa 328.1		Min- m³/h 21.7
17	Impeller type	Radial impeller	Head	Nominal m
18	Head H(Q=0)	m 33		at Qmax m 14.4
19	Max. shaft power	kW 7.1		at Qmin m 32
20	Pump weight	kg	Shaft power	kW
21	Total weight	kg 96.2	Efficiency	%
			NPSH 3%	m

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	22 mm
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	7.5 kW	Rated current 14.1 A
46	Nominal speed	2920 rpm	Rated voltage 400 V
47	Frame size	132	Service factor 1
48	Weight	kg 56.0	Degree of protection IP55

Remarks

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Project	Xylect-20128214	Created by		Last update	12/21/2024
Block	LNES 65-160/15/P45RCS4	Created on	12/21/2024		

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Performance curve

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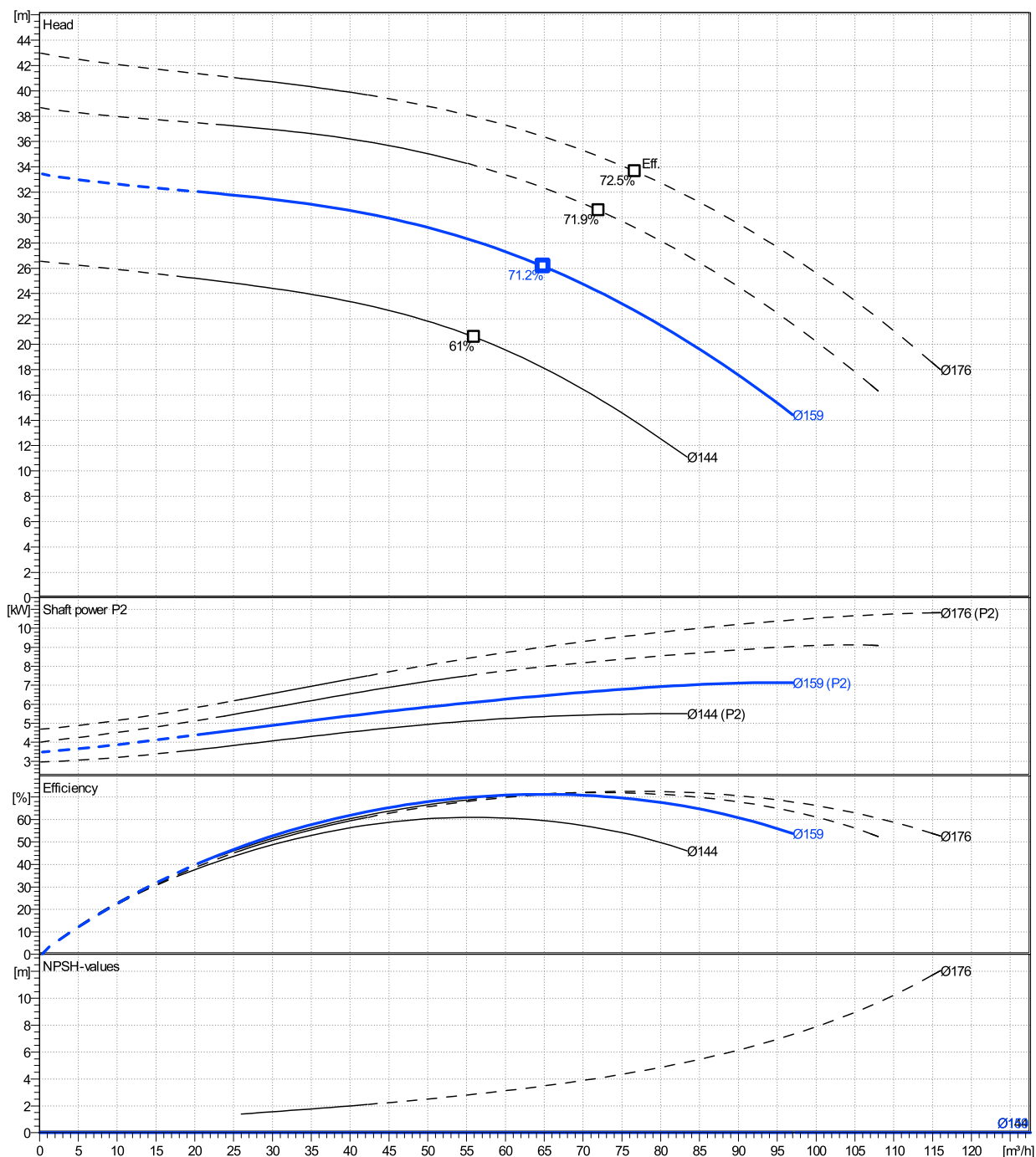
	Ø mm	Pump capacity Operating range			Pump head		Shaft power P2			Frequency		Hz
		Min. m³/h	Max. m³/h	η Max. m³/h	H(Q=0) m	η Max. m	P2(Q=0) kW	Max. kW	η Max. kW	Operating speed	rpm	
actual	159	21.7	97	64.9	33.4	26.1		7.14	6.45	Nominal flow	m³/h	0
Min.	0	/	/	56	26.6	20.6		/	5.14	Nominal head	m	0
Max.	176	/	/	76.7	43	33.6		/	9.64	Inlet pressure	kPa	0
										Static head	m	0

Power datas referred to:

hydr. Performance acceptance acc. To EN ISO 9906 Class Grade 3B

Water [100%] ; 4°C; 1000kg/m³; 1.57mm²/s

MEI: N.A - according to Ecodesign Directive 2009/125/EC and Regulation (EU) No.547/2012



LNES 65-160/75/P25VCS4

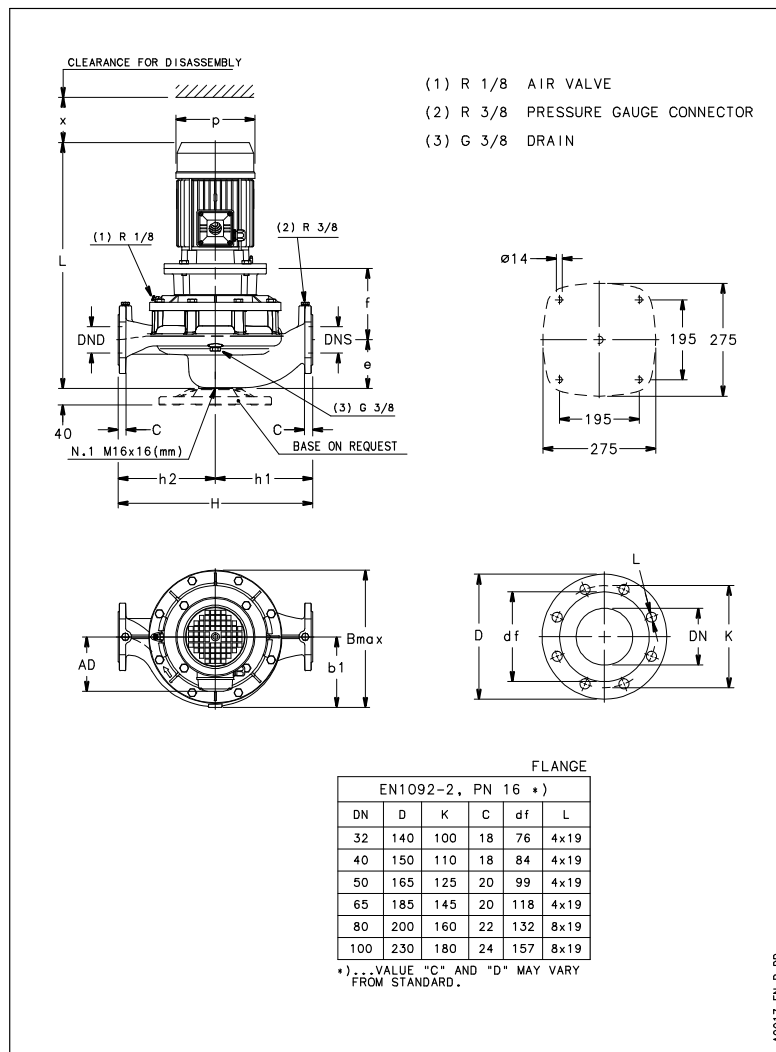
Dimensions

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Rigid coupling

PLM 132 B5 7,5 kW

Electrical and dimensional data refer to IE3 motor



Dimensions [mm]

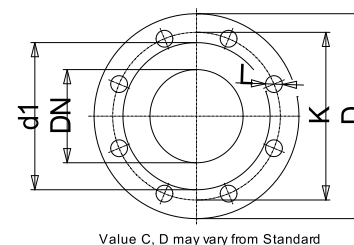
AD	191
b1	148
Bmax	296
DNd	65
DNs	65
e	105
f	217
H	360
h1	190
h2	170
L	689
p	256
x	94

Weight

Total weight	96.2 kg
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Connections

Suction nozzle		Discharge nozzle	
DN 65		DN 65	
PN 16		PN 16	
EN1092-2		EN1092-2	
C	20	C	20
D	185	D	185
df	118	df	118
DN	65	DN	65
K	145	K	145
L	4 x 19	L	4 x 19



Dimensions and weight without obligation

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