

LNEE 100-160/110/P25VCC4

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 single head		
12	Operating speed	2900 rpm	Stages	1
13	Suction nozzle	DN 100 /	PN 16 /	EN1092-2
14	Discharge nozzle	DN 100 /	PN 16 /	EN1092-2
15	Max. casing pressure	kPa		
16	Max. working pressure	kPa 253.1		
17	Impeller type	Radial impeller		
18	Head H(Q=0)	m 26		
19	Max. shaft power	kW 10		
20	Pump weight	kg		
21	Total weight	kg 122.0		

Impeller Ø	Max.	mm	177
	designed	mm	144
	Min.	mm	144
	Nominal	m³/h	
Flow	Max-	m³/h	205.2
	Min-	m³/h	44
	Nominal	m	
Head	at Qmax	m	10.9
	at Qmin	m	25.3
	Shaft power	kW	
	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 - Ø28mm
25	Impeller	Cast iron / ASTM Class 30		Mechanical seal diameter
26	Stub shaft	Stainless steel / AISI 316L		28 mm
27	Wear ring	Stainless steel / AISI 304		1. Rotating ring
28	Impeller lock nut and washer	Stainless steel / AISI 304		Carbon graphite resin impregnated
29	Impeller key	Stainless steel / AISI 316L		2. Stationary ring
30	Fill and drain plugs	Nickel-plated brass		SiC, silicon carbide, sintered press.less
31				3. Secondary seal
32				Ethylene propylene rubber (EPDM)
33				4. Springs
34				CrNiMo - Steel
35				5. Others
36				EPDM - WRAS
37				Gaskets of the pump
38				Ethylene propylene rubber (EPDM)
39				
40				
41				

Motor data

Electrical and dimensional data refer to IE3 motor

42	Manufacturer	Lowara		
43	Specific design	IE3 3ph Flange Motor		
44	Type	PLM 132 B14 11 kW		
45	Rated power	11 kW	Rated current	20.2 A
46	Nominal speed	2910 rpm	Rated voltage	400 V
47	Frame size	132	Service factor	1
48	Weight	kg 63.0	Degree of protection	IP55

Remarks

49	
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Project	Xylect-20127611	Created by		Last update	12/20/2024
Block	LNEE 100-160/30/P45RCC4	Created on	12/20/2024		

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Performance curve

Company name
Contact
Phone number
e-mail address

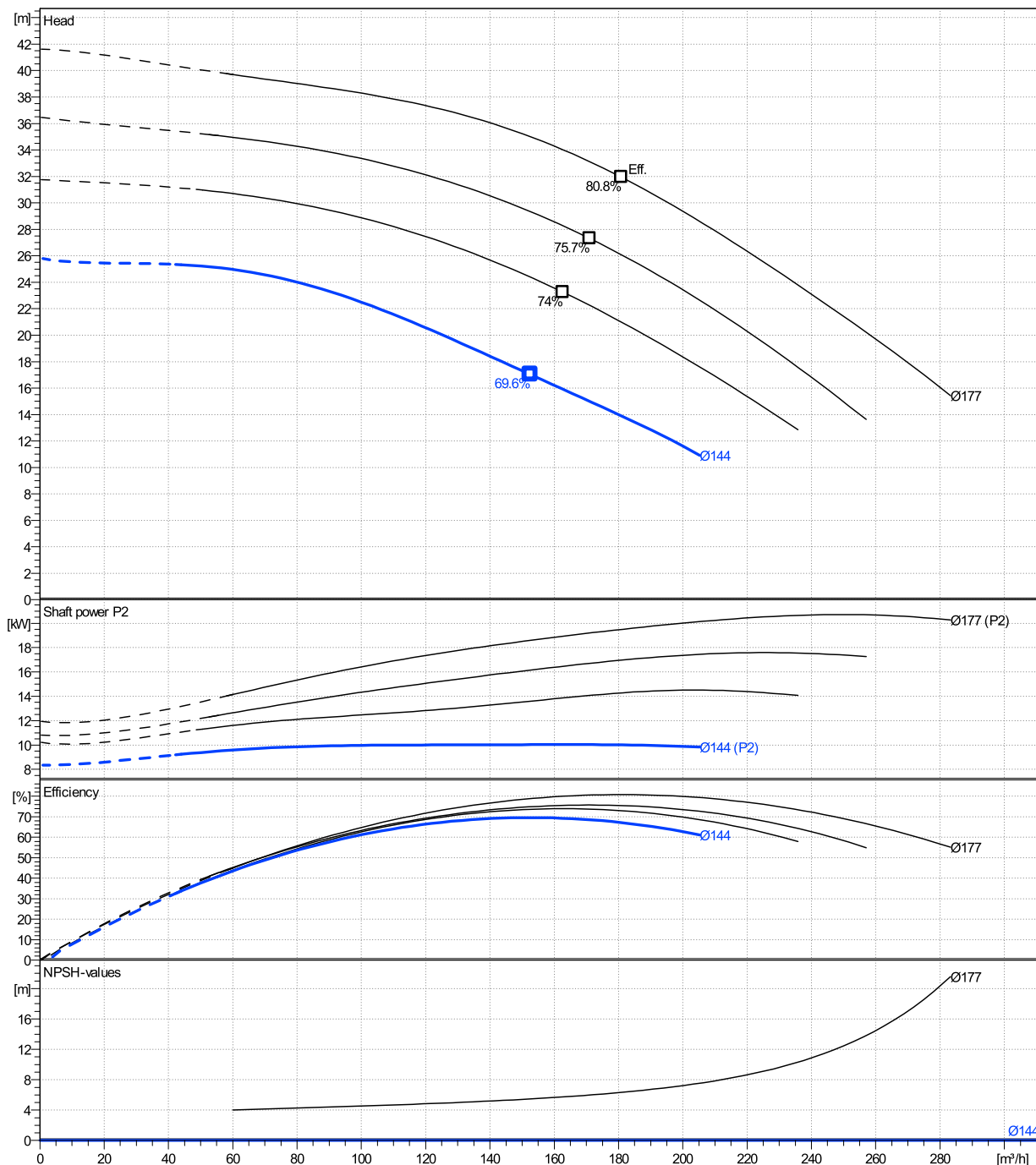
	Ø mm	Pump capacity Operating range			Pump head		Shaft power P2			Frequency	Hz	50
		Min. m³/h	Max. m³/h	Max. m³/h	H(Q=0) m	Max. m	P2(Q=0) kW	Max. kW	Max. kW	Operating speed	rpm	2900
actual	144	44	205	153	25.8	17	10	10	10	Nominal flow	m³/h	0
Min.	0	/	/	153	25.8	17	/	/	10	Nominal head	m	0
Max.	177	/	/	181	41.6	31.9	/	/	19.5	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



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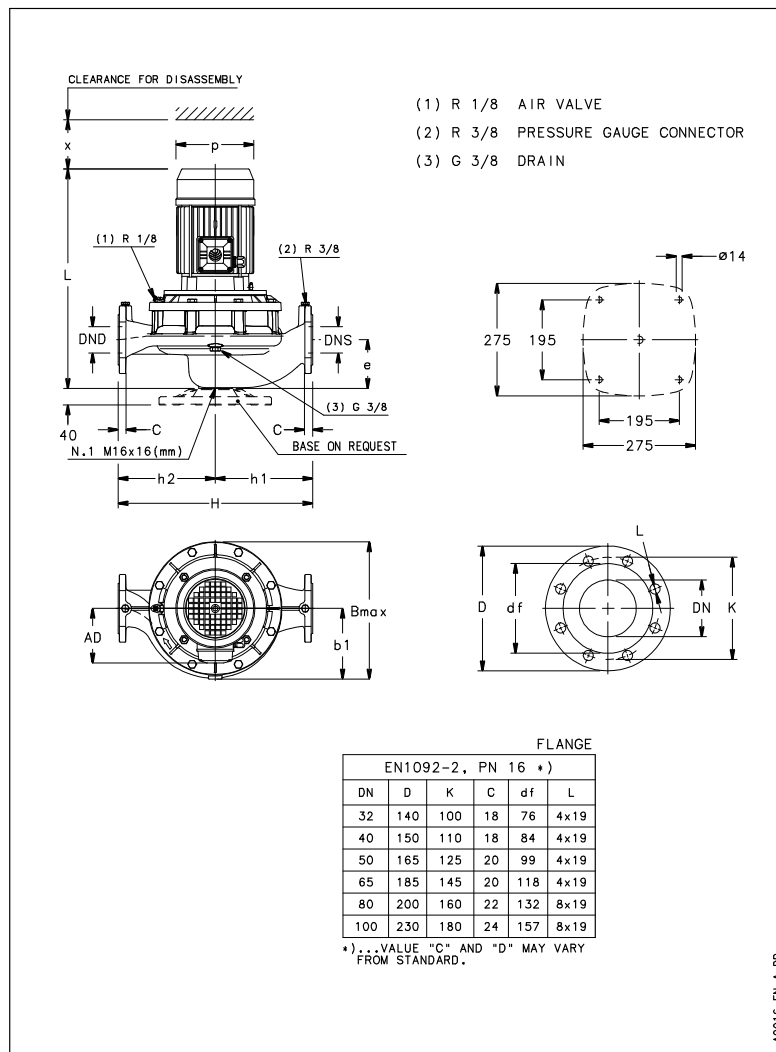
Dimensions

Company name
Contact
Phone number
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Close coupled

PLM 132 B14 11 kW

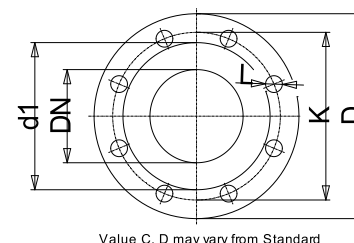
Electrical and dimensional data refer to IE3 motor



Dimensions		[mm]	
AD	191		
b1	179		
Bmax	359		
DND	100		
DNS	100		
e	140		
H	500		
h1	260		
h2	240		
L	665		
p	256		
x	123		

Weight	
Total weight	122 kg

Connections			
Suction nozzle		Discharge nozzle	
DN 100		DN 100	
PN 16		PN 16	
EN1092-2		EN1092-2	
C	24	C	24
D	230	D	230
df	157	df	157
DN	100	DN	100
K	180	K	180
L	8 x 19	L	8 x 19



Dimensions and weight without obligation

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