

LNEE 50-200/75/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 single head		
12	Operating speed	2900 rpm	Stages	1
13	Suction nozzle	DN 50 /	PN 16 /	EN1092-2
14	Discharge nozzle	DN 50 /	PN 16 /	EN1092-2
15	Max. casing pressure	kPa		
16	Max. working pressure	kPa 417.7		
17	Impeller type	Radial impeller		
18	Head H(Q=0)	m 43		
19	Max. shaft power	kW 7.6		
20	Pump weight	kg		
21	Total weight	kg 95.0		

Impeller Ø	Max.	mm	199
	designed	mm	179
	Min.	mm	165
	Nominal	m³/h	
Flow	Max-	m³/h	52
	Min-	m³/h	13.8
	Nominal	m	
Head	at Qmax	m	27.9
	at Qmin	m	42.9
	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 - Ø22mm
25	Impeller	Stainless steel / AISI 304		Mechanical seal diameter
26	Stub shaft	Stainless steel / AISI 316L		22 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 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 55.8	Degree of protection	IP55

Remarks

49	
50	
50	
52	

Project	Xylect-20127611	Created by		Last update	12/20/2024
Block	LNEE 50-200/15/P45RCS4	Created on	12/20/2024		

LNEE 50-200/75/P25VCS4

Performance curve

Company name
Contact
Phone number
e-mail address

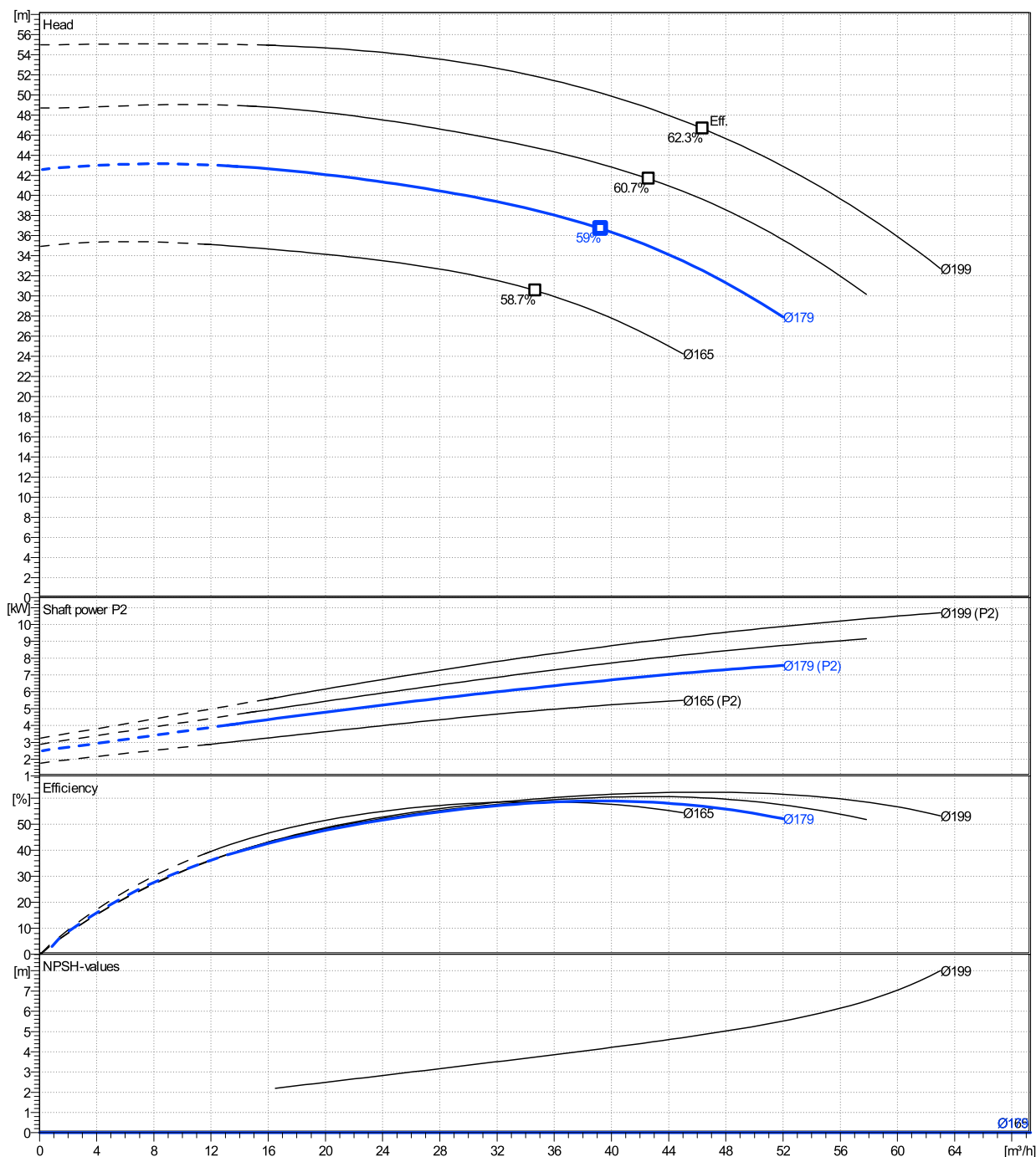
	Ø mm	Pump capacity Operating range Min. Max. η m³/h m³/h m³/h			Pump head H(Q=0) η m m		Shaft power P2 P2(Q=0) Max. η kW kW kW			Frequency Hz 50	
		Min.	Max.	Max.	H(Q=0)	η	P2(Q=0)	Max.	η	Operating speed rpm	Nominal flow m³/h
actual	179	13.8	52	39.3	42.6	36.7	7.56	6.64	6.64	2900	0
Min.	0	/	/	34.7	34.9	30.5	/	/	4.87		0
Max.	199	/	/	46.4	55	46.6	/	/	9.38		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



LNEE 50-200/75/P25VCS4

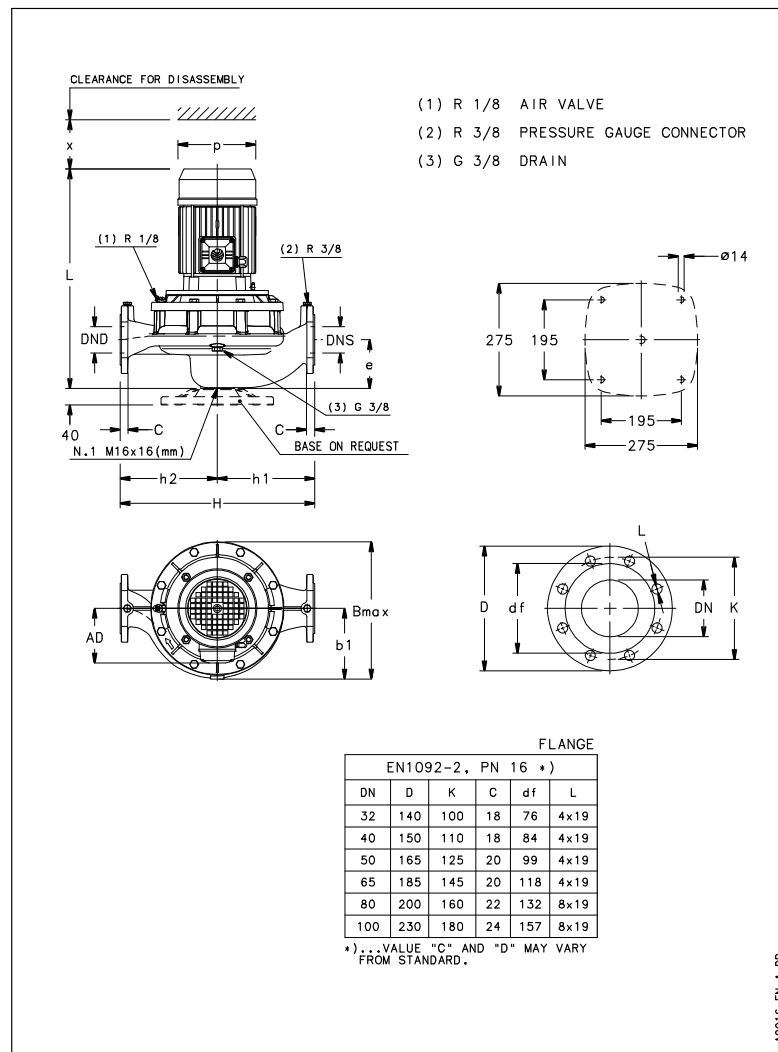
Dimensions

Company name
Contact
Phone number
e-mail address

Close coupled

PLM 132 B14 7,5 kW

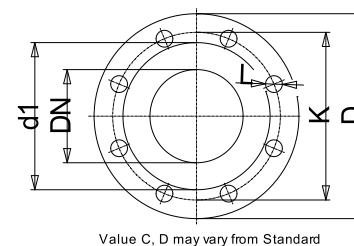
Electrical and dimensional data refer to IE3 motor



Dimensions		[mm]	
AD	191		
b1	168		
Bmax	359		
DND	50		
DNS	50		
e	111		
H	440		
h1	220		
h2	220		
L	578		
p	256		
x	108		

Weight	
Total weight	95 kg

Connections			
Suction nozzle		Discharge nozzle	
DN 50		DN 50	
PN 16		PN 16	
EN1092-2		EN1092-2	
C	20	C	20
D	165	D	165
df	99	df	99
DN	50	DN	50
K	125	K	125
L	4 x 19	L	4 x 19



Value C, D may vary from Standard

Dimensions and weight without obligation

Project	Xylect-20127611	Created by		Last update	12/20/2024
Block	LNEE 50-200/15/P45RCS4	Created on	12/20/2024		