

LNEE 50-200/110/P25VCS4

Technical data

Company name
Contact
Phone number
e-mail address

Operating data						
1	Pumpe type	Single head pump		Fluid	Water, pure	
2	No. of pumps	1		Operating temperature t A	°C	4
3	Nominal flow	m ³ /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/m ³	1000
6	Inlet pressure	kPa	0	Kin. viscosity at t A	mm ² /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			Impeller Ø	Max. mm	199
12	Operating speed	2900 rpm	Stages	1		designed mm	199
13	Suction nozzle	DN 50 /	PN 16 /	EN1092-2		Min. mm	165
14	Discharge nozzle	DN 50 /	PN 16 /	EN1092-2	Flow	Nominal m ³ /h	
15	Max. casing pressure	kPa				Max- m ³ /h	63
16	Max. working pressure	kPa	539.1		Min- m ³ /h	16.5	
17	Impeller type	Radial impeller			Head	Nominal m	
18	Head H(Q=0)	m	55			at Qmax m	32.7
19	Max. shaft power	kW	10.7			at Qmin m	54.9
20	Pump weight	kg			Shaft power	kW	
21	Total weight	kg	104.0		Efficiency	%	
					NPSH 3%	m	

Materials						
Pump			Shaft Seal			
22				Single mechanical seal, without shaft sleeve		
23	Volute Casing	Cast iron		eMG12 - Ø22mm	BQ7EGG-WA	
24	Casing Cover	Cast iron		Mechanical seal diameter	22 mm	
25	Impeller	Stainless steel / AISI 304		1. Rotating ring	Carbon graphite resin impregnated	
26	Stub shaft	Stainless steel / AISI 316L		2. Stationary ring	SiC, silicon carbide, sintered press.less	
27	Wear ring	Stainless steel / AISI 304		3. Secondary seal	Ethylene propylene rubber (EPDM)	
28	Impeller lock nut and washer	Stainless steel / AISI 304		4. Springs	CrNiMo - Steel	
29	Impeller key	Stainless steel / AISI 316L		5. Others	EPDM - WRAS	
30	Fill and drain plugs	Nickel-plated brass		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			
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 102.0	Degree of protection	IP55	

Remarks					
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Performance curve

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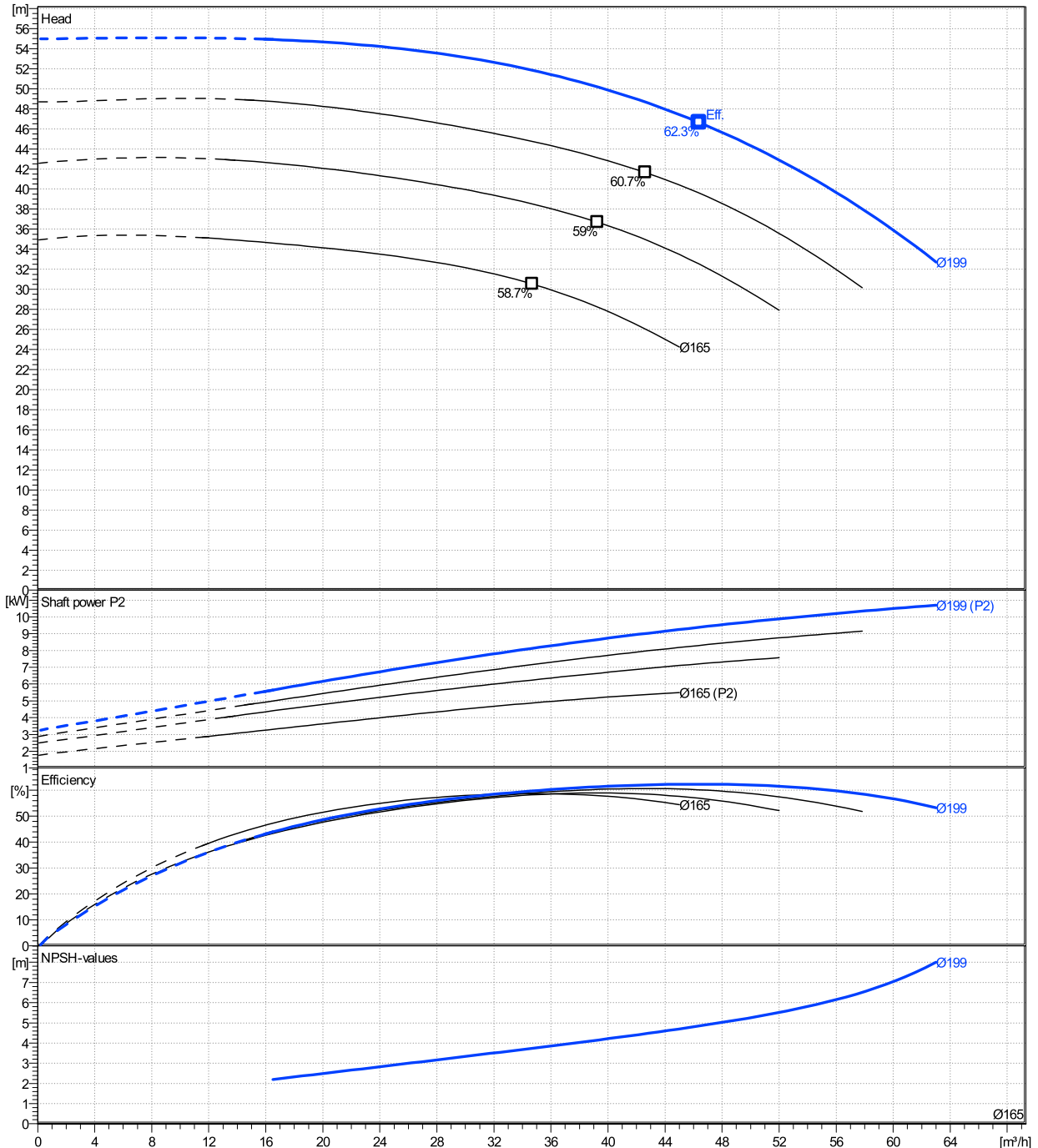
	Ø mm	Pump capacity			Pump head		Shaft power P2			Frequency	Hz	50
		Operating range Min. m³/h	Max. m³/h	η Max. m³/h	H(Q=0) m	η Max. m	P2(Q=0) kW	Max. kW	η Max. kW	Operating speed	rpm	2900
actual	199	16.5	63	46.4	55	46.6	10.7	9.38	Nominal flow	m³/h	0	
Min.	0	/	/	34.7	34.9	30.5	/	4.87	Nominal head	m	0	
Max.	199	/	/	46.4	55	46.6	/	9.38	Inlet pressure	kPa	0	
									Static head	m	0	

Power datas referred to:

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

Water, pure [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

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Close coupled

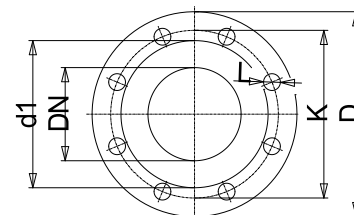
PLM 132 B14 11 kW

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	616		
p	256		
x	108		

Weight	
Total weight	104 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	Xlect-20945270	Created by		Last update	8/2/2023
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