

LNES 125-200/22/W65RCC4

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	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	32	
10	Execution	without support foot	
11	Design	In-line	
12	Operating speed	950 rpm	Stages 1
13	Suction nozzle	DN125 / PN10/16 / EN1092-2	Impeller Ø
14	Discharge nozzle	DN125 / PN10/16 / EN1092-2	
15	Max. casing pressure	kPa 1600	Flow
16	Max. working pressure	kPa 70.6	
17	Impeller type	Radial impeller	
18	Head H(Q=0)	m 7.2	Head
19	Max. shaft power	kW 1.9	
20	Pump weight	kg	Shaft power kW
21	Total weight	kg 130.0	
			Efficiency %
			NPSH 3% m

Materials			
22		Pump	Shaft Seal
23	Impeller	Cast iron, 0.6020	Single mechanical seal, without shaft sleeve
24	Casing	Cast iron, 0.6025	eMG12 - Ø38mm BQ7EGG-WA
25	casing cover	Cast iron, 0.6025	Mechanical seal diameter 38 mm
26	Wear ring	stainless steel, 1.4301 (1.4408)	1. Rotating ring Carbon graphite resin impregnated
27	Shaft	Stainless steel, 1.4057	2. Stationary ring SiC, silicon carbide, sintered press.less
28	O-ring	EPDM	3. Secondary seal Ethylene propylene rubber (EPDM)
29	Bearing frame	Cast iron, 0.6025	4. Springs CrNiMo - Steel
30			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	WEG	
43	Specific design	IE3 3ph Flange Motor - W22 - Premium Efficiency	
44	Type	W22 112 M B5 2,2 kW	
45	Rated power	2.2 kW	Rated current 5.29 A
46	Nominal speed	960 rpm	Rated voltage 400 V
47	Frame size	112 M	Service factor 1
48	Weight	kg 46.0	Degree of protection IP55

Remarks			
49			
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52			

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Performance curve

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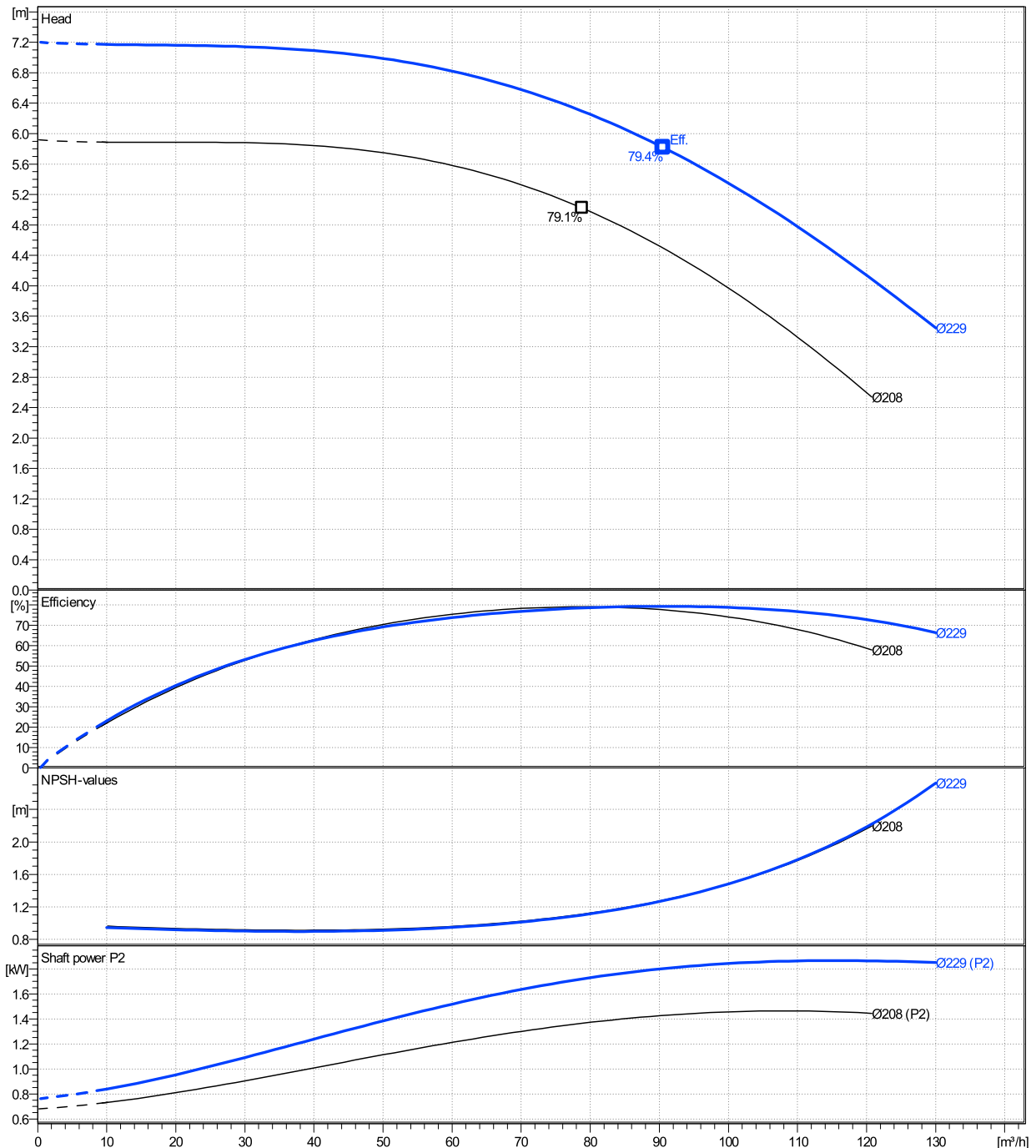
	Ø mm	Pump capacity			Pump head		Shaft power P2			Frequency	Hz	50
		Operating range Min. m³/h	Max. m³/h	η Max. m³/h	H(Q=0) m	η Max. m	P2(Q=0) kW	Max. kW	η Max. kW	Operating speed	rpm	950
actual	229	10	130	90.6	7.2	5.82		1.87	1.8	Nominal flow	m³/h	0
Min.	0	/	/	78.8	5.92	5.02		/	1.36	Nominal head	m	0
Max.	229	/	/	90.6	7.2	5.82		/	1.8	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: >=0,70 - according to Ecodesign Directive 2009/125/EC and Regulation (EU) No.547/2012



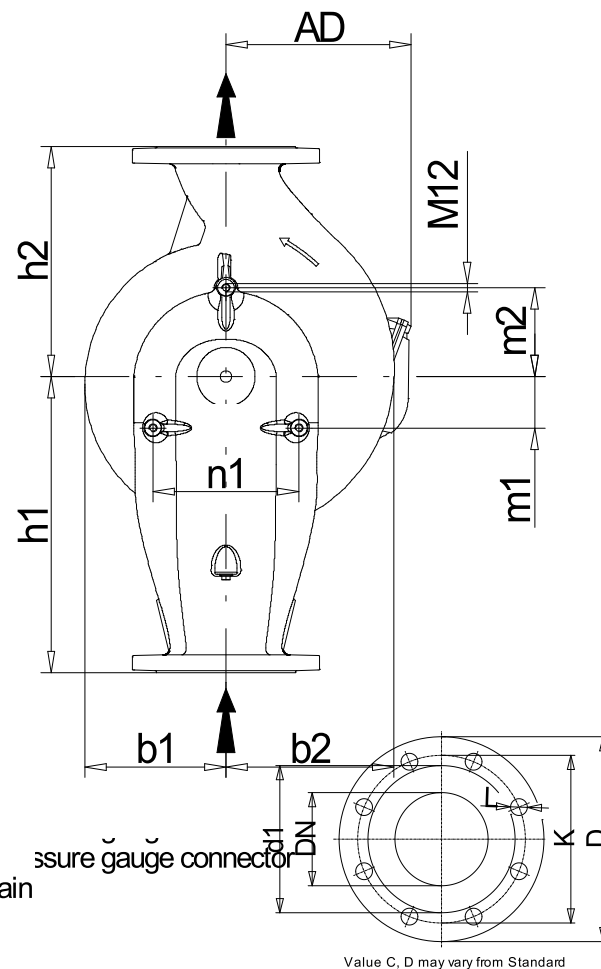
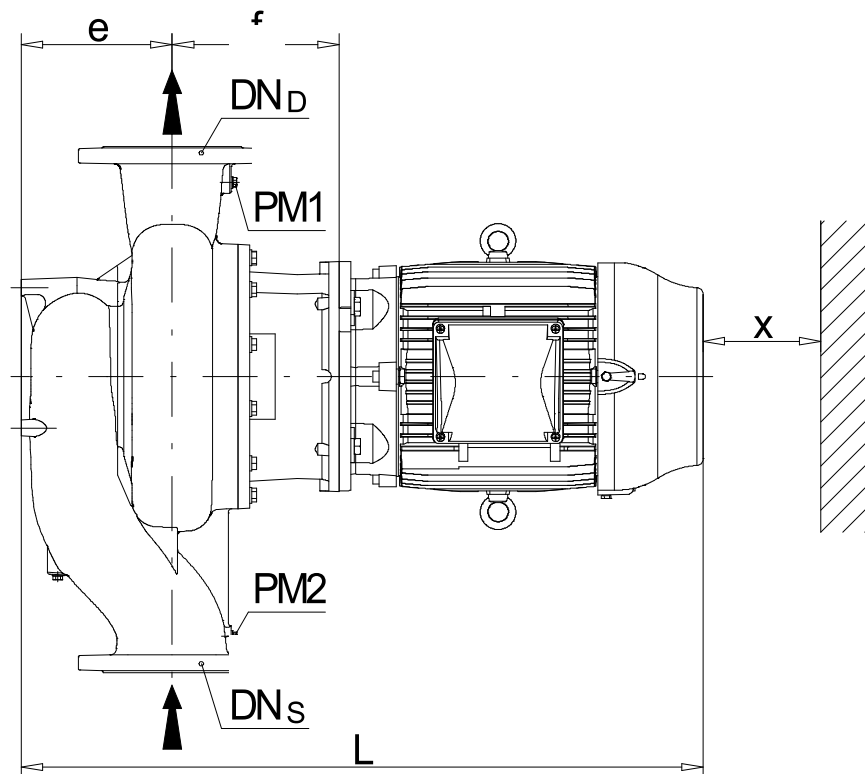
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Dimensions

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Rigid coupling
without support foot
W22 112 M B5 2,2 kW

Electrical and dimensional data refer to IE3 motor



Dimensions		[mm]	
AD	192		
b1	166		
b2	212		
DNd	125		
DNs	125		
e	215		
E	3/8"		
f	183		
H	620		
h1	340		
h2	280		
L	731		
m1	60		
m2	105		
n1	172		
PM1	1/4"		
PM2	3/8"		
Type	A		
x	140		

Weight	
Total weight	130 kg

Connections			
Suction nozzle		Discharge nozzle	
DN125		DN125	
PN10/16		PN10/16	
EN1092-2		EN1092-2	
C	26	C	26
D	255	D	255
d1	184	d1	184
K	210	K	210
L	19	L	19
z	8	z	8

Dimensions and weight without obligation

Project Xylect-20128214
Block LNES 125-200/75/P45VCC4

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