

LNES 40-200/40/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	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		Impeller Ø	Max. mm 205
12	Operating speed	2900 rpm	Stages 1		designed mm 171
13	Suction nozzle	DN 40 /	PN 16 / EN1092-2		Min. mm 158
14	Discharge nozzle	DN 40 /	PN 16 / EN1092-2	Flow	Nominal m ³ /h
15	Max. casing pressure	kPa			Max- m ³ /h 27
16	Max. working pressure	kPa	368.8	Min- m ³ /h 7.5	
17	Impeller type	Radial impeller		Head	Nominal m
18	Head H(Q=0)	m	38		at Qmax m 27.5
19	Max. shaft power	kW	3.9	Shaft power kW	
20	Pump weight	kg		Efficiency %	
21	Total weight	kg	66.6	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 112R B5 4 kW			
45	Rated power	4 kW	Rated current	7.62 A	
46	Nominal speed	2885 rpm	Rated voltage	400 V	
47	Frame size	112R	Service factor	1	
48	Weight	kg 25.0	Degree of protection	IP55	

Remarks					
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LNES 40-200/40/P25VCS4

Performance curve

Company name
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e-mail address

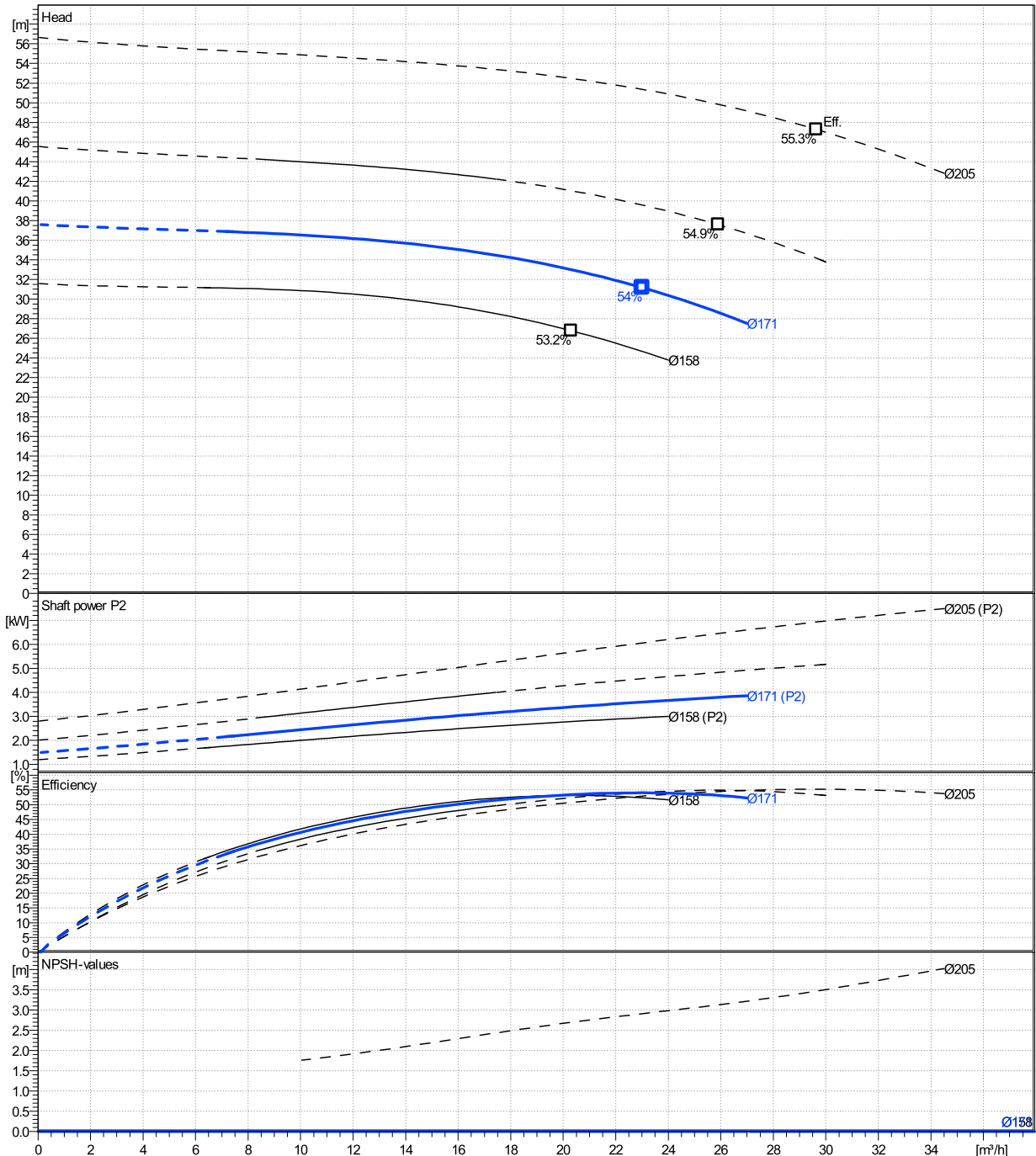
	Ø mm	Pump capacity			Pump head		Shaft power P2			Frequency		Hz	50
		Operating range Min. m³/h	Max. m³/h	η Max. m³/h	H(Q=0) m	η Max. m	P2(Q=0) kW	Max. kW	η Max. kW	Operating speed rpm	2900		
actual	171	7.47	27	23	37.6	31.2		3.86	3.6	Nominal flow	m³/h	0	
Min.	0	/	/	20.3	31.6	26.8		/	2.79	Nominal head	m	0	
Max.	205	/	/	29.6	56.6	47.3		/	6.93	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 40-200/40/P25VCS4

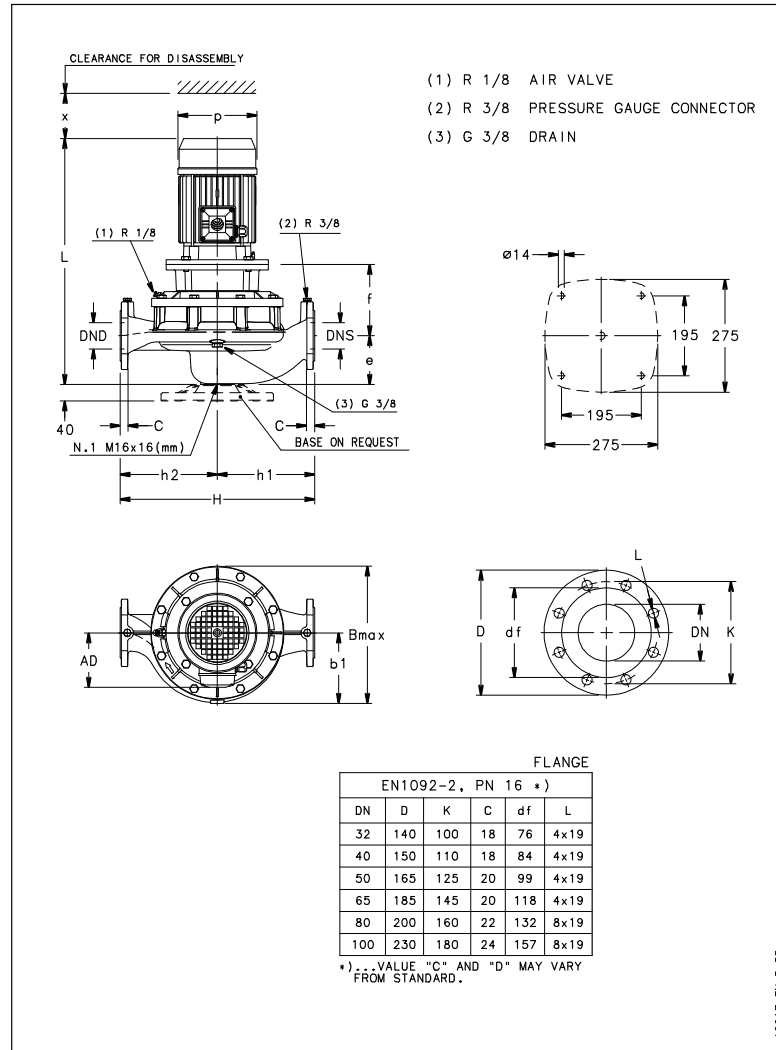
Dimensions

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Rigid coupling

PLM 112R B5 4 kW

Electrical and dimensional data refer to IE3 motor



Dimensions [mm]

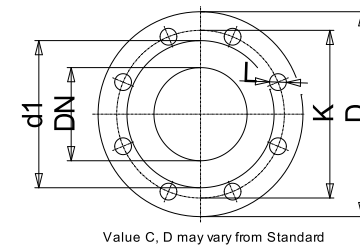
AD	154
b1	168
Bmax	336
DNd	40
DNs	40
e	110
f	165
H	440
h1	220
h2	220
L	594
p	197
x	104

Weight

Total weight	66.6 kg
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Connections

Suction nozzle		Discharge nozzle	
DN 40		DN 40	
PN 16		PN 16	
EN1092-2		EN1092-2	
C	18	C	18
D	150	D	150
df	84	df	84
DN	40	DN	40
K	110	K	110
L	4 x 19	L	4 x 19



Dimensions and weight without obligation

Project	Xylect-20128214
Block	LNES 40-200/11/P45RCS4

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