LOWARA
a xylem brand

LNES 125-160/15/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	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	32						
10	Execution	without support foot			Impeller Ø	Max.	mm	190
11	Design	In-line				designed	mm	190
12	Operating speed	945 rpm	Stages 1			Min.	mm	156
13	Suction nozzle	DN125 / PN10/16 / EN1092-2			Flow	Nominal	m³/h	
14	Discharge nozzle	DN125 / PN10/16 / EN1092-2				Max-	m³/h	115
15	Max. casing pressure	kPa	1600			Min-	m³/h	10
16	Max. working pressure	kPa	47		Head	Nominal	m	
17	Impeller type		Radial impeller			at Qmax	m	1.6
18	Head H(Q=0)	m	4.8			at Qmin	m	4.7
19	Max. shaft power	kW	1.1		Shaft power		kW	
20	Pump weight	kg			Efficiency		%	
21	Total weight	kg	On demand		NPSH 3%		m	

Materials

	Pump		Shaft Seal	
22				
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)
32				
33				
34				
35				
36				
37				
38				
39				
40				
41				

Motor data

Electrical and dimensional data refer to IE3 motor

42	Manufacturer	WEG		
43	Specific design	IE3 3ph Flange Motor - W 22 - Premium Efficiency		
44	Type	W22 100 L B5 1,5 kW		
45	Rated power	1.5 kW	Rated current	3.7 A
46	Nominal speed	955 rpm	Rated voltage	400 V
47	Frame size	100 L	Service factor	1
48	Weight kg	32.0	Degree of protection	IP55

Remarks

49	
50	
50	
52	

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Performance curve

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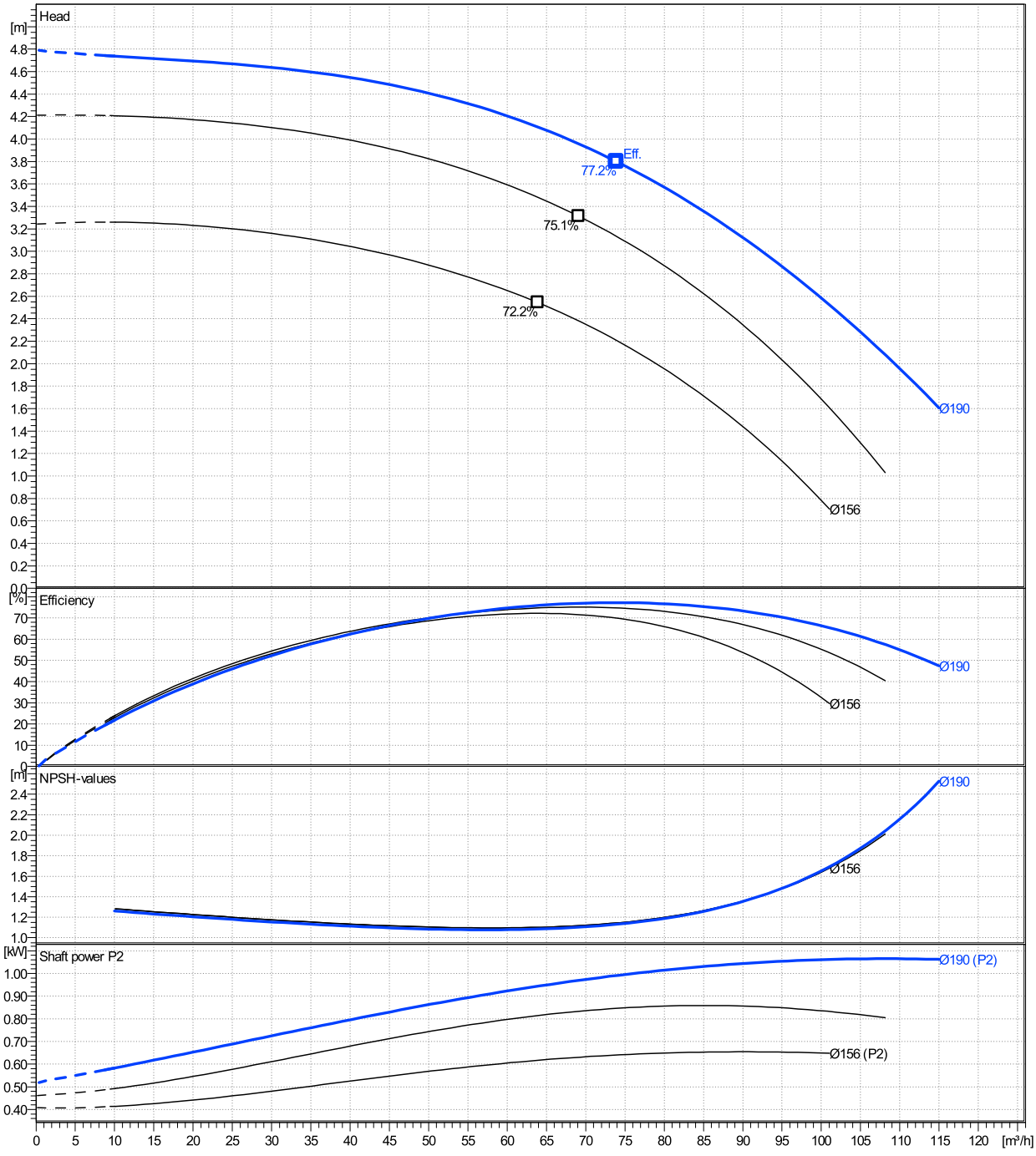
	Ø	Pump capacity Operating range Min.	Max.	η Max.	Pump head H(Q=0)	η Max.	Shaft power P2 P2(Q=0)	Max.	η Max.			
	mm	m³/h	m³/h	m³/h	m	m	kW	kW	kW			
actual	190	10	115	73.9	4.79	3.8		1.06	0.991	Frequency	Hz	50
Min.	0	/	/	63.9	3.24	2.54		/	0.617	Operating speed	rpm	945
Max.	190	/	/	73.9	4.79	3.8		/	0.991	Nominal flow	m³/h	0
										Nominal head	m	0
										Inlet pressure	kPa	0
										Static head	m	0

Power datas refered to:

Water [100%] ; 4°C; 1000kg/m³; 1.57mm²/s

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

MEI: >=0,70 - according to Ecodesign Directive 2009/125/EC and Regulation (EU) No.547/2012



Project	Xylect-20128214		Created by		Last update 12/21/2024
Block	LNES 125-160/40/P45VCC4		Created on	12/21/2024	

Program version: 75.0 - 06/11/2024 (Build 274)
Data version: 15/12/2024 18:59
User group(s): Xylem:United Kingdom - EXT

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Dimensions

Company name
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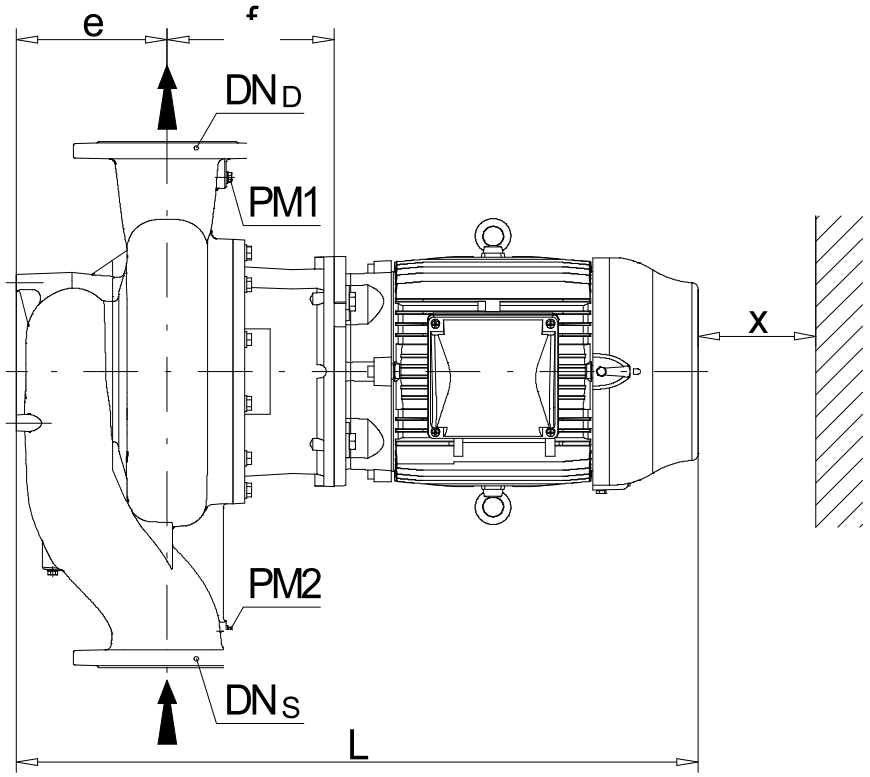
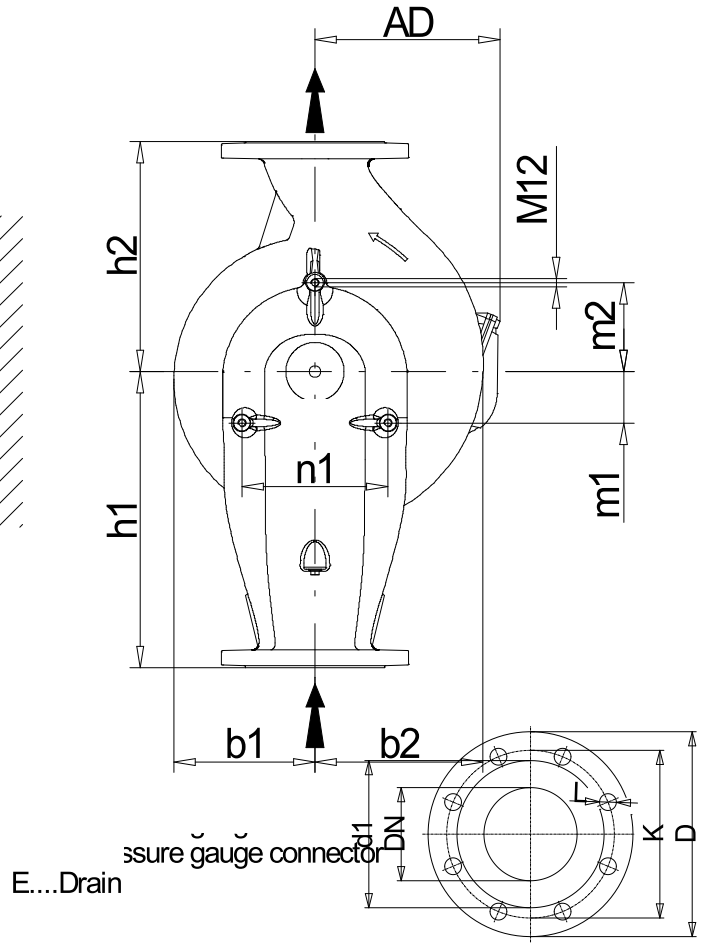
Rigid coupling
without support foot
W22 100 L B5 1,5 kW





Value C, D may vary from Standard

Electrical and dimensional data refer to IE3 motor

Dimensions	[mm]		
AD	167		
b1	166		
b2	212		
DNd	125		
DNs	125		
e	215		
E	3/8"		
H	620		
h1	340		
h2	280		
m1	60		
m2	105		
n1	172		
PM1	1/4"		
PM2	3/8"		
Type	A		
x	140		

Weight	
Total weight	On demand 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

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