

# ESHE 25-250/110/P25VSSA

## 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	m³/h	0	Max / Min Operating Temperature mech. Seal	°C 120 / -10
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	Horizontal		Impeller Ø	Max. mm 244
12	Operating speed	2910 rpm	Stages 1		designed mm 244
13	Suction nozzle	DN 50 /	PN 16 /	EN1092-1	Min. mm 203
14	Discharge nozzle	DN 25 /	PN 16 /	EN1092-1	Flow
15	Max. casing pressure	kPa	1200		
16	Max. working pressure	kPa	813.6		Max- m³/h 30.1
17	Impeller type	Radial impeller		Head	Min- m³/h 9
18	Head H(Q=0)	m	83		Nominal m
19	Max. shaft power	kW	9.7		at Qmax m 59.8
20	Pump weight	kg			at Qmin m 80.3
21	Total weight	kg	92.0		Shaft power kW
					Efficiency %
					NPSH 3% m

Materials					
22		Pump		Shaft Seal	
23	Pump body	Stainless steel / AISI 316L		Single mechanical seal, without shaft sleeve	
24	Impeller	Stainless steel / AISI 316L		Uniten 3K	VBVGG
25	SEAL HOUSING	Stainless steel / AISI 316L		Mechanical seal diameter	
26	Wear ring	Stainless steel / AISI 316L		1. Rotating ring	Ceramic
27	Counterwear ring	Stainless steel / AISI 316L		2. Stationary ring	Carbon graphite resin impregnated
28	Shaft extension	Stainless steel / AISI 316L		3. Secondary seal	Fluorine rubber (FKM)
29	Rigid shaft coupling	Stainless steel / AISI 316		4. Springs	CrNiMo - Steel
30	Impeller locknut and washer	Stainless steel / AISI 316		5. Others	CrNiMo - Steel
31	Tab	Stainless steel / AISI 316L		Gaskets of the pump	
32	Fill/drain plugs	Stainless steel / AISI 316		Fluorine rubber (FKM)	
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Motor data					
Electrical and dimensional data refer to IE3 motor					
42	Manufacturer	Lowara PLM			
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 63.0	Degree of protection	IP55	

Remarks					
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## Performance curve

Company name  
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e-mail address

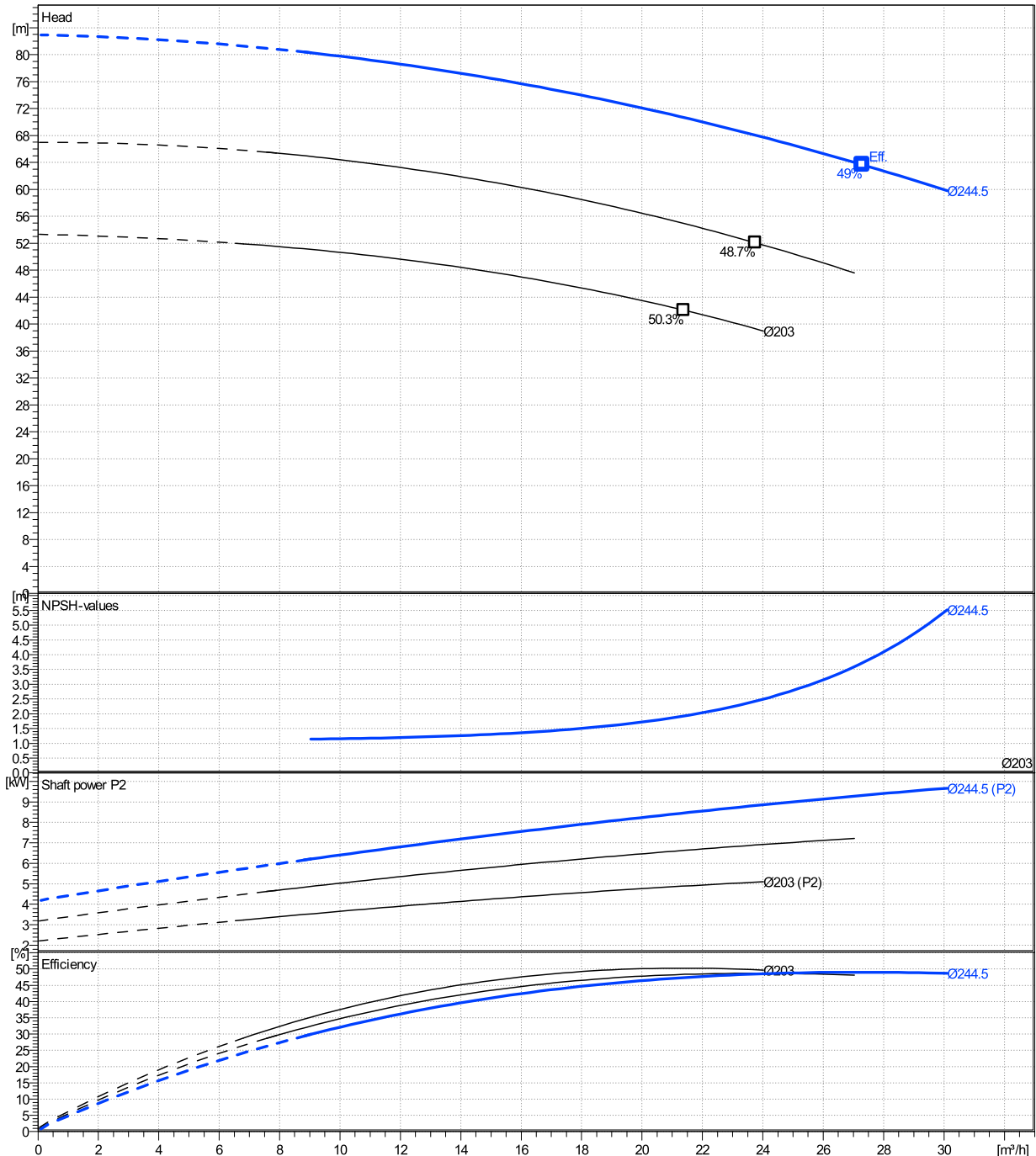
	Ø mm	Pump capacity Operating range η			Pump head H(Q=0) η		Shaft power P2 P2(Q=0) Max. η			Frequency	Hz	
		Min. m³/h	Max. m³/h	Max. m³/h	m	m	kW	kW	kW	Operating speed	rpm	
actual	244	9.03	30.1	27.3	82.9	63.7	9.67	9.31	9.31	Nominal flow	m³/h	0
Min.	0	/	/	21.4	53.3	42.1	/	4.89	4.89	Nominal head	m	0
Max.	244	/	/	27.3	82.9	63.7	/	9.31	9.31	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



**ESHE 25-250/110/P25VSSA**

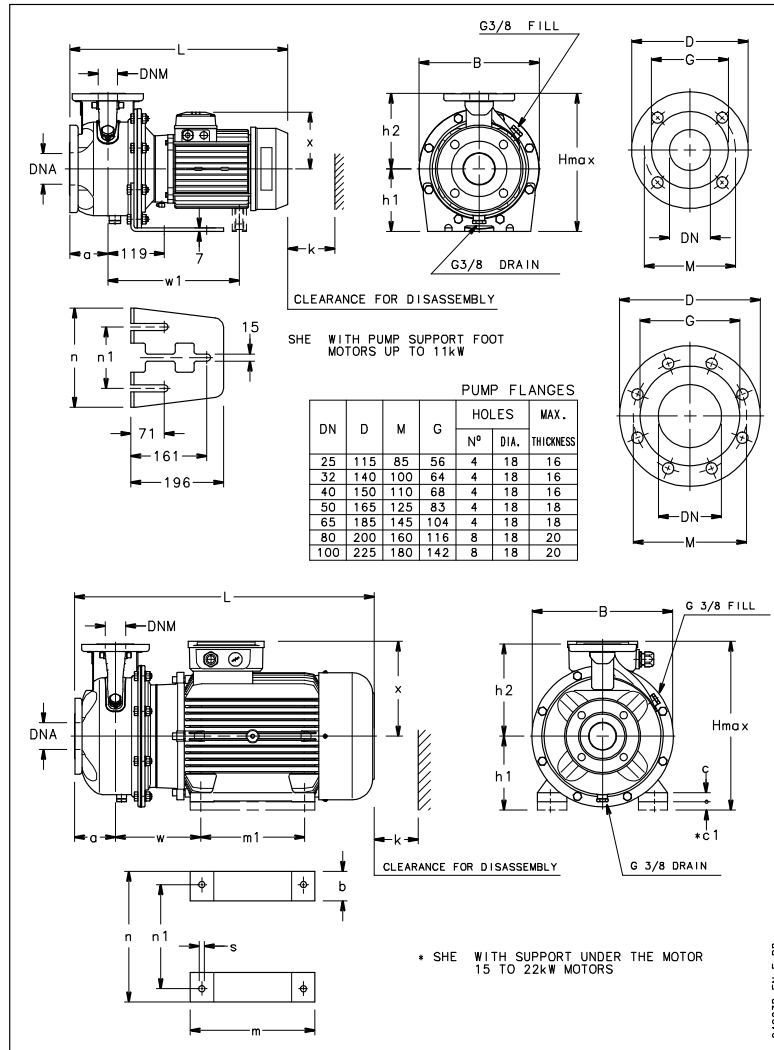
**Dimensions**

Company name  
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Close coupled

PLM 132 B14 11 kW

Electrical and dimensional data refer to IE3 motor



**Dimensions [ mm ]**

a	100
B	345
DNA	50
DNM	25
h1	180
h2	225
Hmax	405
k	98
L	605
n	265
n1	130
w1	343
x	191

**Weight**

<b>Total weight</b>	<b>92 kg</b>
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**Connections**

Suction nozzle		Discharge nozzle	
DN 50		DN 25	
PN 16		PN 16	
EN1092-1		EN1092-1	
D	165	D	115
Dia. Holes	18	Dia. Holes	18
DN	50	DN	25
G	83	G	56
M	125	M	85
Max thickness	16	Max thickness	16

**Dimensions and weight without obligation**

<b>Project</b>	Xylect-20106422	<b>Created by</b>		<b>Last update</b>	12/16/2024
<b>Block</b>	ESHE 25-250/110/P25VSSA	<b>Created on</b>	12/16/2024		