

ESHE 25-200/40/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		
12	Operating speed	2885 rpm	Stages	1
13	Suction nozzle	DN 50 /	PN 16 /	EN1092-1
14	Discharge nozzle	DN 25 /	PN 16 /	EN1092-1
15	Max. casing pressure	kPa 1200	Impeller Ø	Max. mm 195
16	Max. working pressure	kPa 470.1		designed mm 195
17	Impeller type	Radial impeller		Min. mm 178
18	Head H(Q=0)	m 48	Flow	Nominal m³/h
19	Max. shaft power	kW 3.9		Max- m³/h 26.9
20	Pump weight	kg		Min- m³/h 9
21	Total weight	kg 41.0	Head	Nominal m
				at Qmax m 29.4
				at Qmin m 45.2
			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	22 mm
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	Fluorine rubber (FKM)
32	Fill/drain plugs	Stainless steel / AISI 316		
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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 112R B14 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 37.6	Degree of protection	IP55

Remarks

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Block	ESHE 25-200/40/P25VSSA	Created on	12/16/2024		

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Performance curve

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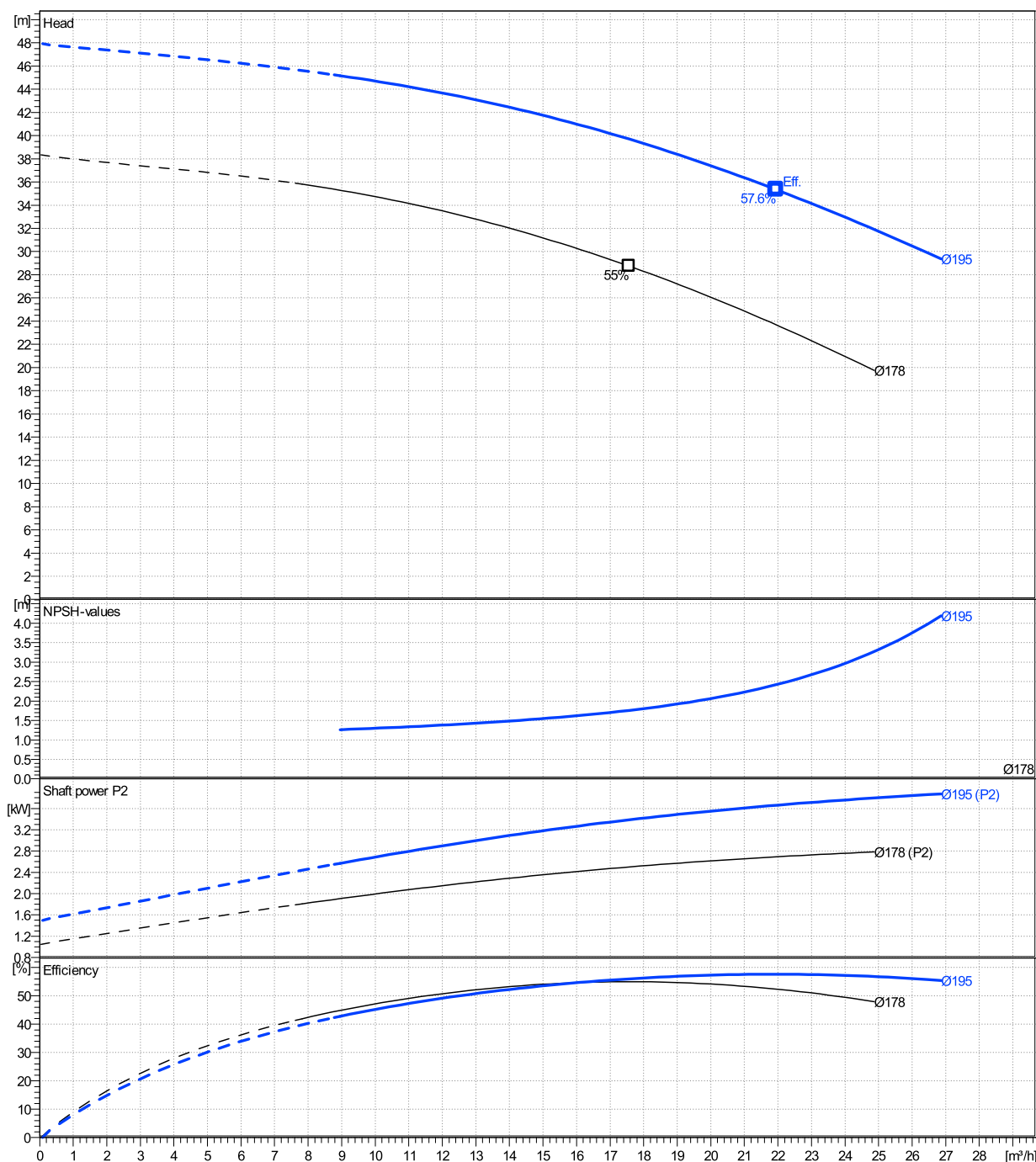
	Ø mm	Pump capacity Operating range			Pump head		Shaft power P2			Frequency		Hz
		Min. m³/h	Max. m³/h	η Max. m³/h	H(Q=0) m	η Max. m	P2(Q=0) kW	Max. kW	η Max. kW	Operating speed	rpm	
actual	195	8.95	26.9	21.9	47.9	35.3		3.87	3.66	Nominal flow	m³/h	0
Min.	0	/	/	17.6	38.4	28.8		/	2.5	Nominal head	m	0
Max.	195	/	/	21.9	47.9	35.3		/	3.66	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 25-200/40/P25VSSA

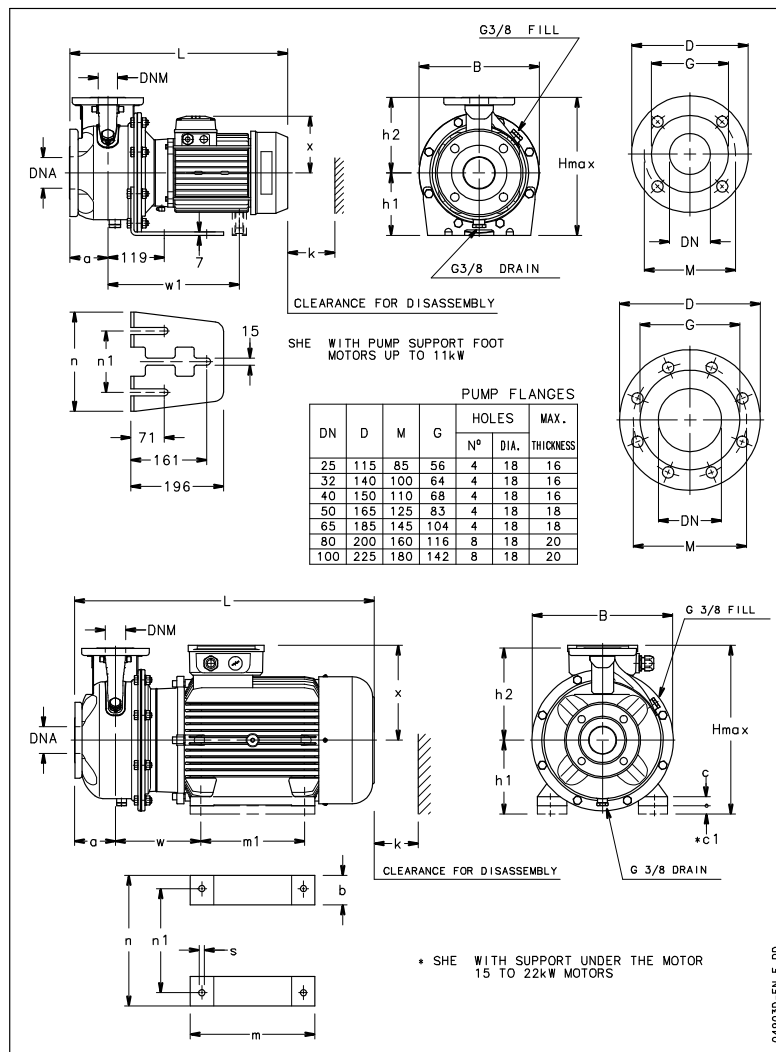
Dimensions

Company name
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e-mail address

Close coupled

PLM 112R B14 4 kW

Electrical and dimensional data refer to IE3 motor



Dimensions [mm]

a	80
B	284
DNA	50
DNM	25
h1	160
h2	180
Hmax	340
k	98
L	499
n	230
n1	130
x	154

Weight

Total weight	41 kg
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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

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