

ESHE 25-250/75/P26PSSA

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 at t A	°F	39.2
3	Nominal flow	US g.p.m. 0	Max / Min Operating Temperature mech. Seal	°F	120 / -10
4	Nominal head	ft 0	pH-value at t A		7
5	Static head	ft 0	Density at t A	lb/ft ³	62.4
6	Inlet pressure	psi 0	Kin. viscosity at t A	ft ² /s	1.689E-5
7	Environmental temperature	°F 68	Vapor pressure at t A	psi	14.5
8	Available system NPSH	ft 0	Altitude		0

Pump data							
9	Lubrication	Standard, Grease lubrication [Std]					
10	Execution						
11	Design	Horizontal		Impeller Ø	Max. inch	8 11/16	
12	Operating speed	3535 rpm	Stages 1		designed inch	7 3/4	
13	Suction nozzle	DN 50 /	PN 16 /		EN1092-1	Min. inch	7 3/16
14	Discharge nozzle	DN 25 /	PN 16 /	EN1092-1	Flow	Nominal US g.p.m.	
15	Max. casing pressure	psi	174	Max- US g.p.m.		113.4	
16	Max. working pressure	psi	101.4	Min- US g.p.m.	40		
17	Impeller type	Radial impeller		Head	Nominal ft		
18	Head H(Q=0)	ft	230		at Qmax ft	154.3	
19	Max. shaft power	hp	10.2		at Qmin ft	222	
20	Pump weight	kg		Shaft power	hp		
21	Total weight	lb	185.2	Efficiency	%		
				NPSH 3%	ft		

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	7/8 inch
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 132 B14 7,5 kW			
45	Rated power	10.058 hp	Rated current	24.8 A	
46	Nominal speed	3535 rpm	Rated voltage	220 V	
47	Frame size	132	Service factor	1	
48	Weight	lb 155.2	Degree of protection	IP55	

Remarks					
49					
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52					

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Performance curve

Company name
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e-mail address

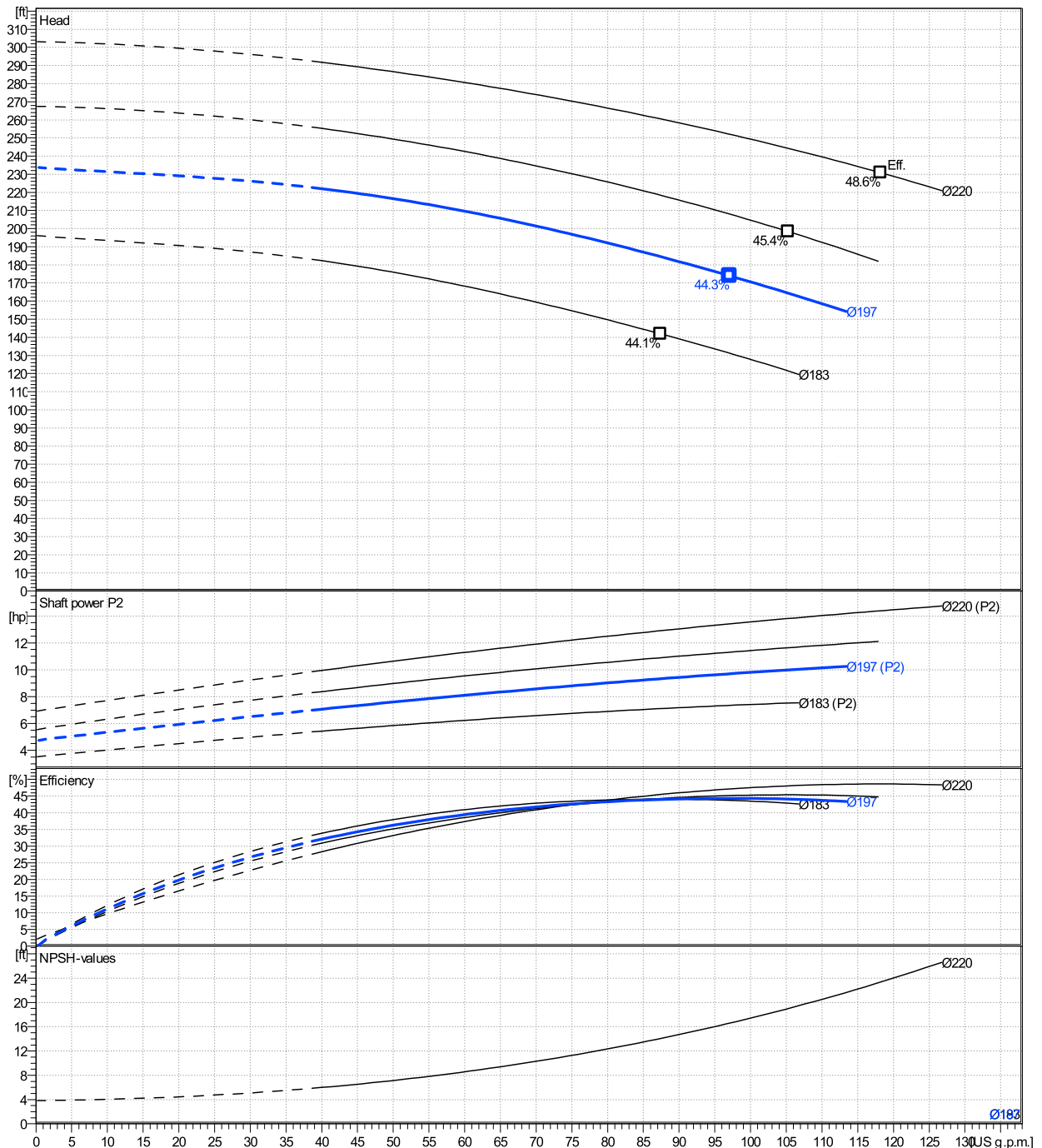
	Ø mm	Pump capacity Operating range η			Pump head H(Q=0) η		Shaft power P2 P2(Q=0) η			Frequency Hz	
		Min. US g.p.m.	Max. US g.p.m.	Max. US g.p.m.	ft	ft	hp	Max. hp	η hp	rpm	
actual	7 3/4	40	113	97	234	174	10.2	9.7		60	3535
Min.	0	/	/	87.4	196	142	/	7.11			0
Max.	8 11/16	/	/	118	303	231	/	14.4			0
										Nominal flow	US g.p.m.
										Nominal head	ft
										Inlet pressure	psi
										Static head	ft

Power datas referred to:

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

Water, pure [100%] ; 39.2°F; 62.4lb/ft³; 1.69E-5ft²/s

MEI: N.A - according to Ecodesign Directive 2009/125/EC and Regulation (EU) No.547/2012



ESHE 25-250/75/P26PSSA

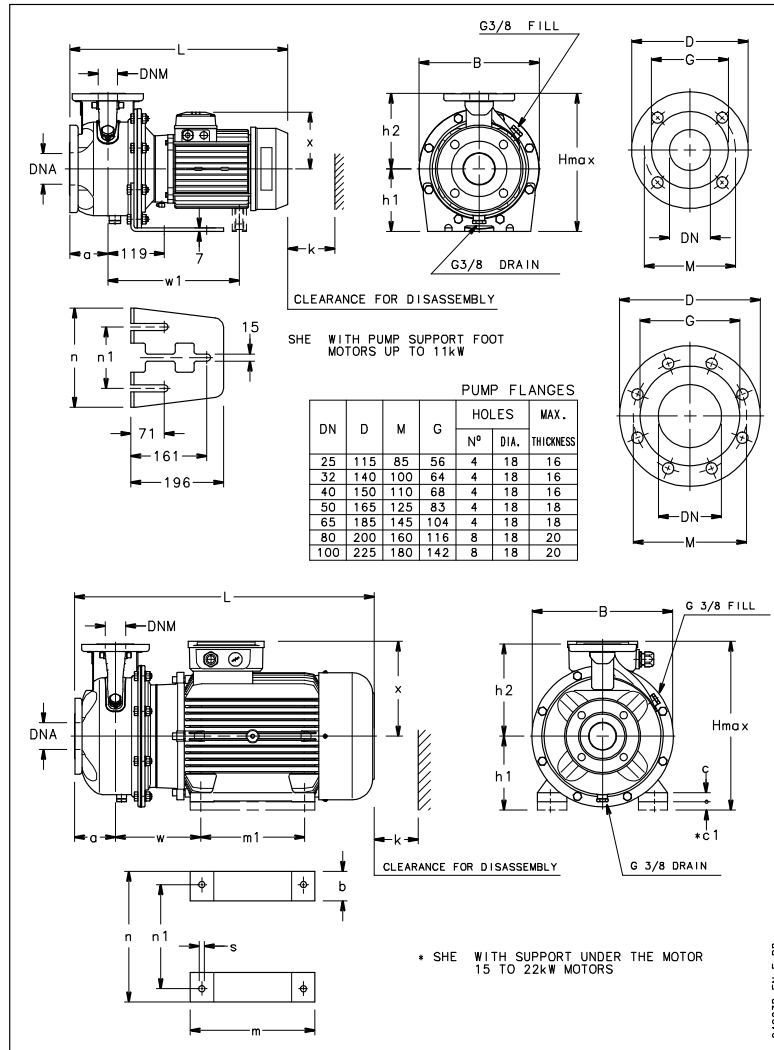
Dimensions

Company name
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Phone number
e-mail address

Close coupled

PLM 132 B14 7,5 kW

Electrical and dimensional data refer to IE3 motor



Dimensions [inch]	
a	3 ¹⁵ / ₁₆
B	13 ⁹ / ₁₆
DNA	1 ¹⁵ / ₁₆
DNM	1
h1	7 ¹ / ₁₆
h2	8 ⁷ / ₈
Hmax	15 ¹⁵ / ₁₆
k	3 ⁷ / ₈
L	22 ⁵ / ₁₆
n	10 ⁷ / ₁₆
n1	5 ¹ / ₈
w1	12 ¹ / ₆₄
x	7 ¹ / ₂

Weight	
Total weight	84 kg

Connections	
Suction nozzle	Discharge nozzle
DN 50	DN 25
PN 16	PN 16
EN1092-1	EN1092-1
D	6 ¹ / ₂
Dia. Holes	4 ¹ / ₂
DN	1 ¹⁵ / ₁₆
G	2 ³ / ₁₆
M	3 ³ / ₈
Max thickness	1/8

Dimensions and weight without obligation

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