

ESHF 25-250/110/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 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/ft³	62.4
6	Inlet pressure	psi	0	Kin. viscosity at t A	ft²/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	Unit with standard coupling					
11	Design	Horizontal				Impeller Ø	
12	Operating speed	3500 rpm	Stages	1		Max. inch 8 11/16	
13	Suction nozzle	DN 50 / PN 16 / EN1092-1				designed inch 8 11/16	
14	Discharge nozzle	DN 25 / PN 16 / EN1092-1				Min. inch 7 3/16	
15	Max. casing pressure	psi	174		Flow	Nominal US g.p.m.	
16	Max. working pressure	psi	128.8			Max- US g.p.m. 125.5	
17	Impeller type	Radial impeller				Head	Min- US g.p.m. 39.6
18	Head H(Q=0)	ft	300		Nominal ft		
19	Max. shaft power	hp	14.3		at Qmax ft 216.7		
20	Pump weight	kg			at Qmin ft 286		
21	Total weight	lb	399.0		Shaft power hp		
					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 VBVG
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	Impeller locknut and washer	Stainless steel / AISI 316	4. Springs CrNiMo - Steel
30	Tab	Stainless steel / AISI 316L	5. Others CrNiMo - Steel
31	Fill/drain plugs	Stainless steel / AISI 316	Gaskets of the pump Fluorine rubber (FKM)
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Motor data				Electrical and dimensional data refer to IE3 motor		Coupling	
42	Manufacturer	Lowara		Manufacturer	Not applicable		
43	Specific design	IE3 3ph Surface Motor - Premium Efficiency		Series	Not applicable		
44	Type	PLM 160 B3 11 kW		Shaft diameter	Pump 0 inch	Motor 1 5/8 inch	
45	Rated power	14.751 hp	Rated current	35 A	Frame size	Not applicable	
46	Nominal speed	3534 rpm	Rated voltage	220 V	Spacer length inch	Not applicable	
47	Frame size	160	Service factor	1	Weight lb		
48	Weight lb	176.8	Degree of protection	IP55	Coupling protection	Not applicable	

Base plate			Remarks	
49	Name	Not applicable		
50	Weight	lb		

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Performance curve

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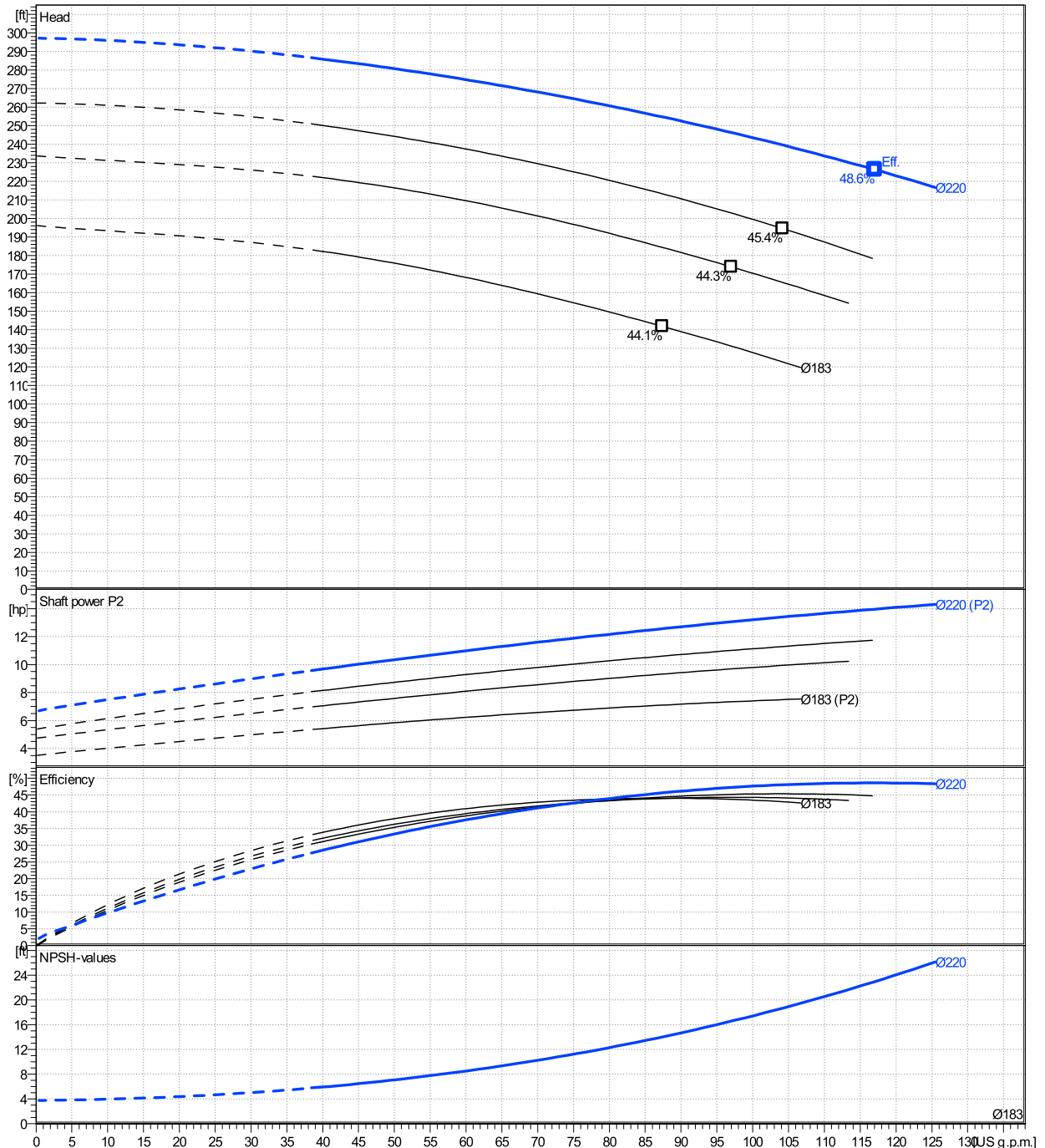
	Ø mm	Pump capacity Operating range η			Pump head η		Shaft power P2 η			Frequency	Hz	
		Min. US g.p.m.	Max. US g.p.m.	Max. US g.p.m.	H(Q=0) ft	Max. ft	P2(Q=0) hp	Max. hp	Max. hp	Operating speed	rpm	
actual	8 11/16	39.6	125	117	297	226	14.3	14			60	3500
Min.	0	/	/	87.4	196	142	/	7.1				0
Max.	8 11/16	/	/	117	297	226	/	14				0
										Nominal flow	US g.p.m.	0
										Nominal head	ft	0
										Inlet pressure	psi	0
										Static head	ft	0

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



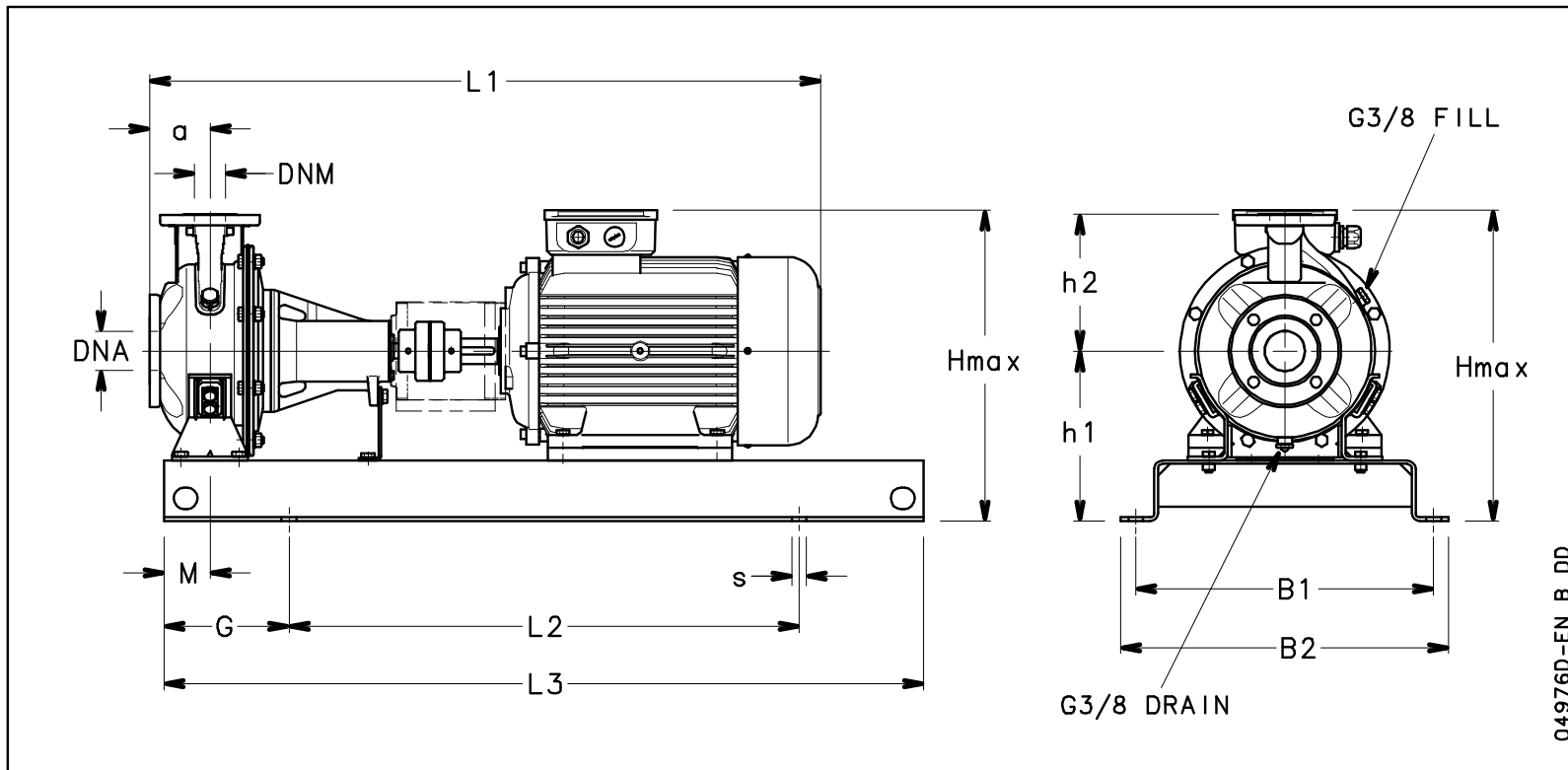
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Dimensions

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Frame mounted
Unit with standard coupling
PLM 160 B3 11 kW

Electrical and dimensional data refer to IE3 motor



Dimensions [inch]

a	3 ¹⁵ / ₁₆
B1	19 ⁵ / ₁₆
B2	21 ¹ / ₄
Coupling Type	02
DNA	1 ¹⁵ / ₁₆
DNM	1
G	8 ¹ / ₁₆
h1	11 ¹ / ₃₂
h2	8 ⁷ / ₈
Hmax	20 ³ / ₁₆
L1	42 ¹ / ₆₄
L2	33 ¹ / ₁₆
L3	49 ³ / ₁₆
M	2 ¹⁵ / ₁₆
Sscrews	M20

Weight

Total weight	181 kg
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Connections

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

Dimensions and weight without obligation

Project	Xylect-20185149	Created by		Last update	1/13/2025
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