

ESHF 65-160/55/P26PSNA

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	°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	Max. inch 5 7/8
12	Operating speed	3500 rpm	Stages 1		designed inch 4 15/16
13	Suction nozzle	DN 80 / PN 16 / EN1092-1			Min. inch 4 15/16
14	Discharge nozzle	DN 65 / PN 16 / EN1092-1		Flow	Nominal US g.p.m.
15	Max. casing pressure	psi 174			Max- US g.p.m. 449.1
16	Max. working pressure	psi 37.5		Min- US g.p.m. 211.3	
17	Impeller type	Radial impeller		Head	Nominal ft
18	Head H(Q=0)	ft 87			at Qmax ft 40.6
19	Max. shaft power	hp 7.4			at Qmin ft 79.1
20	Pump weight	kg		Shaft power	hp
21	Total weight	lb 330.7		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 / ASTMCF8M		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	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 132 B3 5,5 kW		Shaft diameter	Pump 0 inch	Motor 1 1/2 inch	
45	Rated power	7.3756 hp	Rated current 18.9 A	Frame size	Not applicable		
46	Nominal speed	3516 rpm	Rated voltage 220 V	Spacer length	inch	Not applicable	
47	Frame size	132	Service factor 1	Weight	lb		
48	Weight	lb 125.7	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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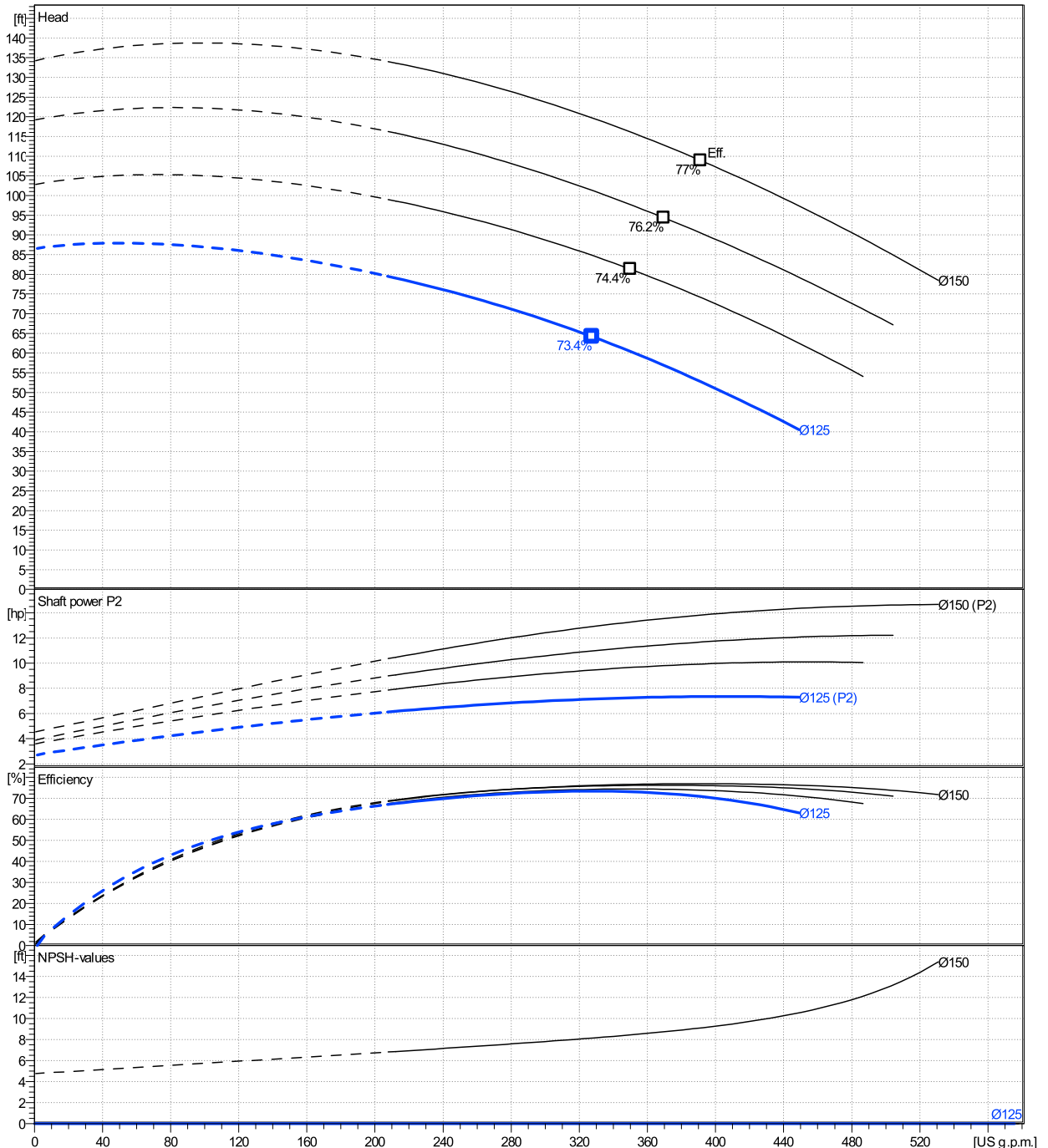
	Ø mm	Pump capacity Operating range η			Pump head η		Shaft power P2 η			Frequency	Hz	
		Min. US g.p.m.	Max. US g.p.m.	Max. US g.p.m.	H(Q=0) ft	Max. ft	P2(Q=0) hp	Max. hp	Max. hp	Operating speed	rpm	
actual	4 15/16	211	449	328	86.6	64.2		7.36	7.15	Nominal flow	US g.p.m.	0
Min.	0	/	/	328	86.6	64.2		/	7.15	Nominal head	ft	0
Max.	5 7/8	/	/	391	134	109		/	13.8	Inlet pressure	psi	0
										Static head	ft	0

Power datas referred to:

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

Water [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



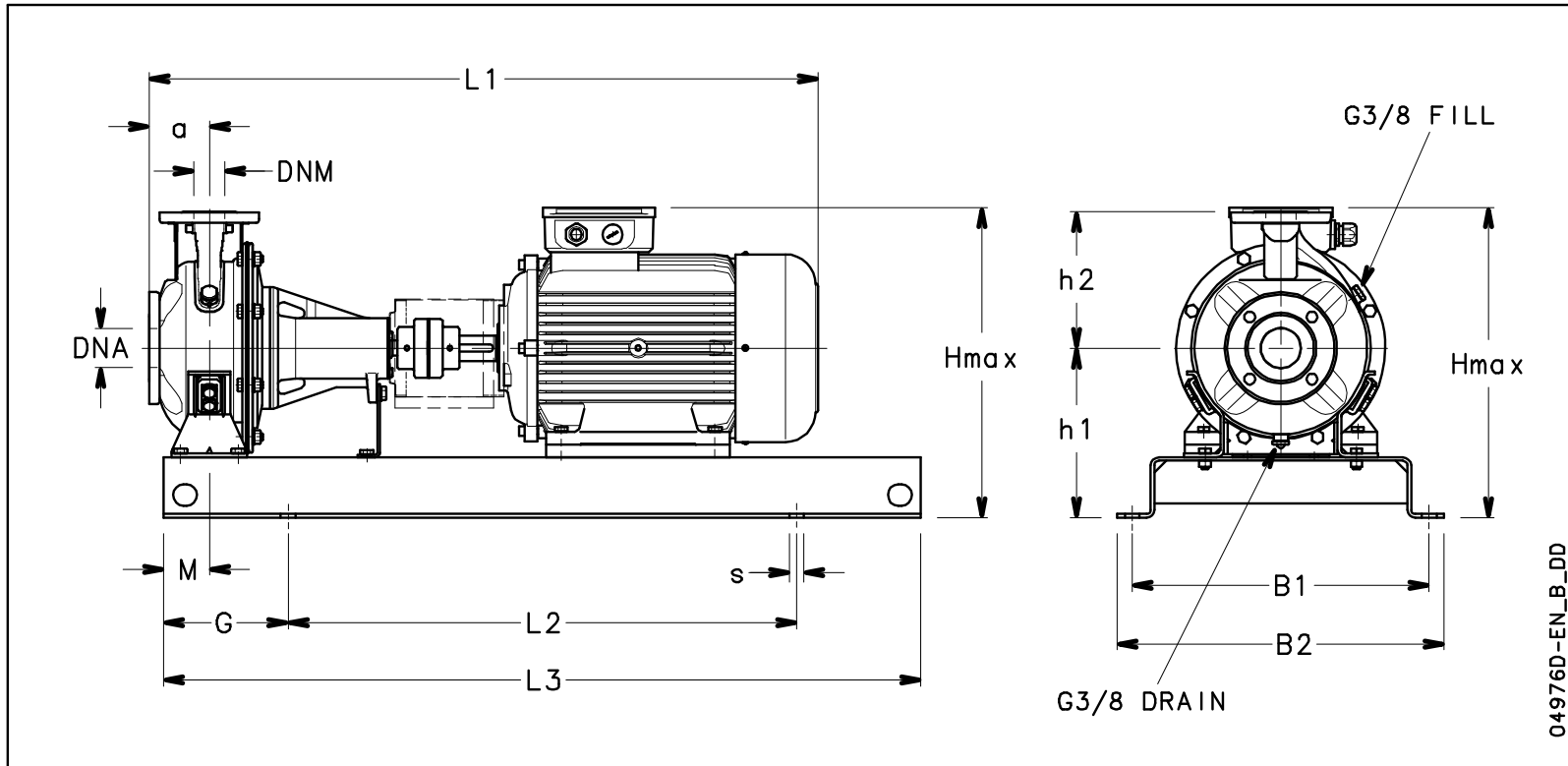
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Dimensions

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Frame mounted
Unit with standard coupling
PLM 132 B3 5,5 kW

Electrical and dimensional data refer to IE3 motor



Dimensions [inch]

a	3 ¹⁵ / ₁₆
B1	15 ³ / ₄
B2	17 ¹¹ / ₁₆
Coupling Type	01
DNA	3 ¹ / ₈
DNM	2 ⁹ / ₁₆
G	6 ¹¹ / ₁₆
h1	10 ¹ / ₄
h2	7 ⁷ / ₈
Hmax	18 ¹ / ₈
L1	35 ¹³ / ₁₆
L2	26
L3	39 ³ / ₈
M	2 ¹⁵ / ₁₆
Sscrews	M20

Weight

Total weight	150 kg
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Connections

Suction nozzle	Discharge nozzle
DN 80	DN 65
PN 16	PN 16
EN1092-1	EN1092-1
D	7 ⁷ / ₈
Dia. Holes	1 ¹ / ₁₆
DN	3 ¹ / ₈
G	4 ¹ / ₂
M	6 ⁵ / ₁₆
Max thickness	1 ³ / ₈
D	7 ⁹ / ₁₆
Dia. Holes	1 ¹ / ₁₆
DN	2 ⁹ / ₁₆
G	4 ¹ / ₈
M	5 ¹¹ / ₁₆
Max thickness	1 ³ / ₈

Dimensions and weight without obligation

Project	Xylect-20185048	Created by		Last update	1/13/2025
Block	ESHF 65-160/110/P26PSNA	Created on	1/13/2025		