

ESHF 65-160/11/P46PSNA

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	
12	Operating speed	1750 rpm	Stages 1
13	Suction nozzle	DN 80 / PN 16 / EN1092-1	Impeller Ø
14	Discharge nozzle	DN 65 / PN 16 / EN1092-1	
15	Max. casing pressure	psi 174	Flow
16	Max. working pressure	psi 12.5	
17	Impeller type	Radial impeller	
18	Head H(Q=0)	ft 29	Head
19	Max. shaft power	hp 1.5	
20	Pump weight	kg	Shaft power hp
21	Total weight	lb 207.2	
			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 / ASTMCF8M	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				Coupling	
42	Manufacturer	Lowara		Manufacturer	Not applicable
43	Specific design	IE3 3ph Surface Motor - Premium Efficiency		Series	Not applicable
44	Type	PLM 90 B3 1,1 kW		Shaft diameter	Pump 0 inch Motor 15/16 inch
45	Rated power	1.4751 hp	Rated current 4.61 A	Frame size	Not applicable
46	Nominal speed	1740 rpm	Rated voltage 220 V	Spacer length inch	Not applicable
47	Frame size	90	Service factor 1	Weight lb	
48	Weight lb	36.6	Degree of protection IP55	Coupling protection	Not applicable

Base plate			Remarks
49	Name	Not applicable	
50	Weight	lb	

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

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Performance curve

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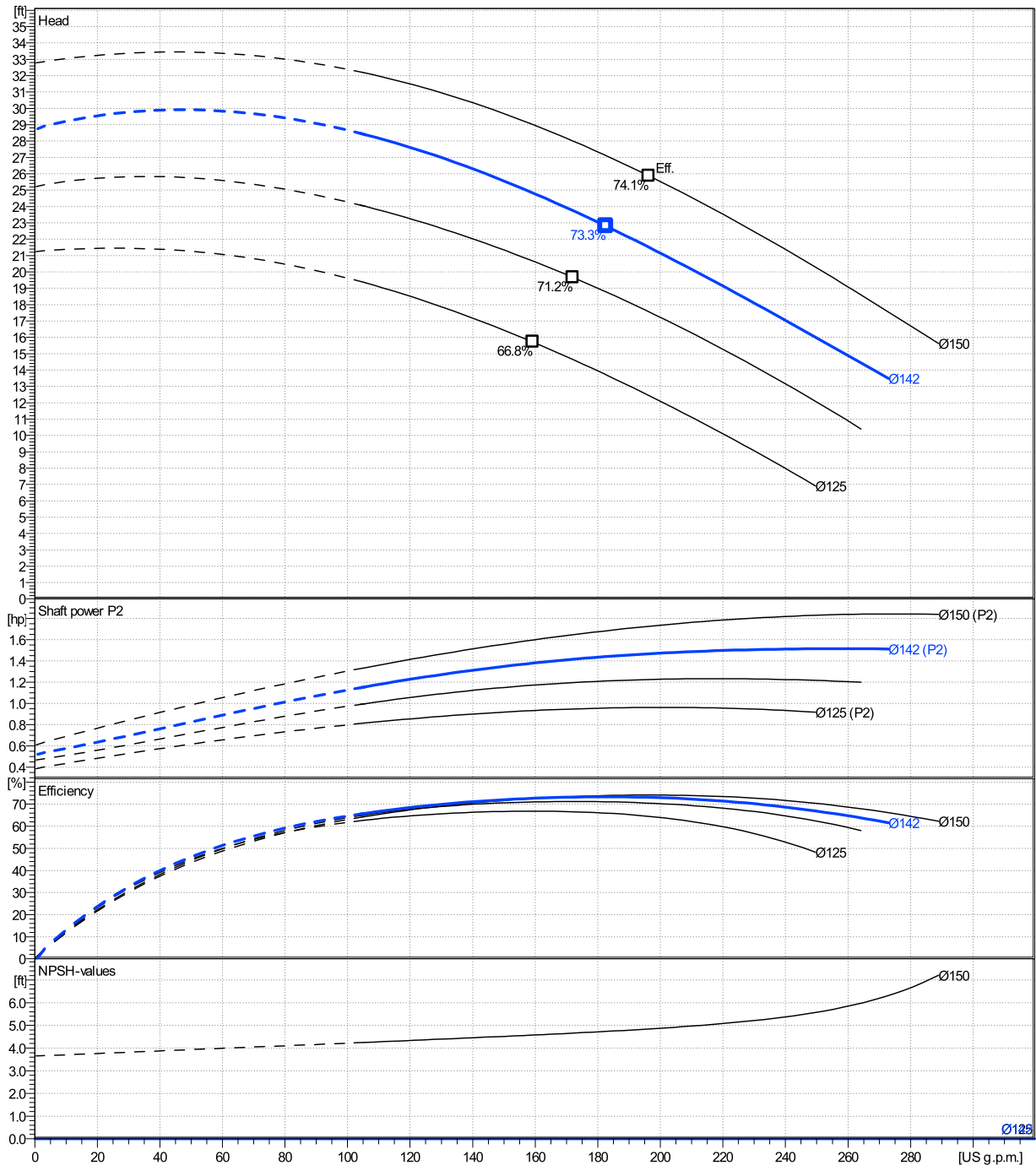
	Ø mm	Pump capacity Operating range η			Pump head H(Q=0) η		Shaft power P2 P2(Q=0) Max. η			Frequency Operating speed rpm		Hz
		Min. US g.p.m.	Max. US g.p.m.	Max. US g.p.m.	ft	ft	hp	hp	hp	Nominal flow US g.p.m.	0	
actual	5 9/16	106	273	183	28.8	22.8		1.51	1.44		1750	
Min.	0	/	/	159	21.3	15.7		/	0.931			0
Max.	5 7/8	/	/	196	32.8	25.9		/	1.72			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



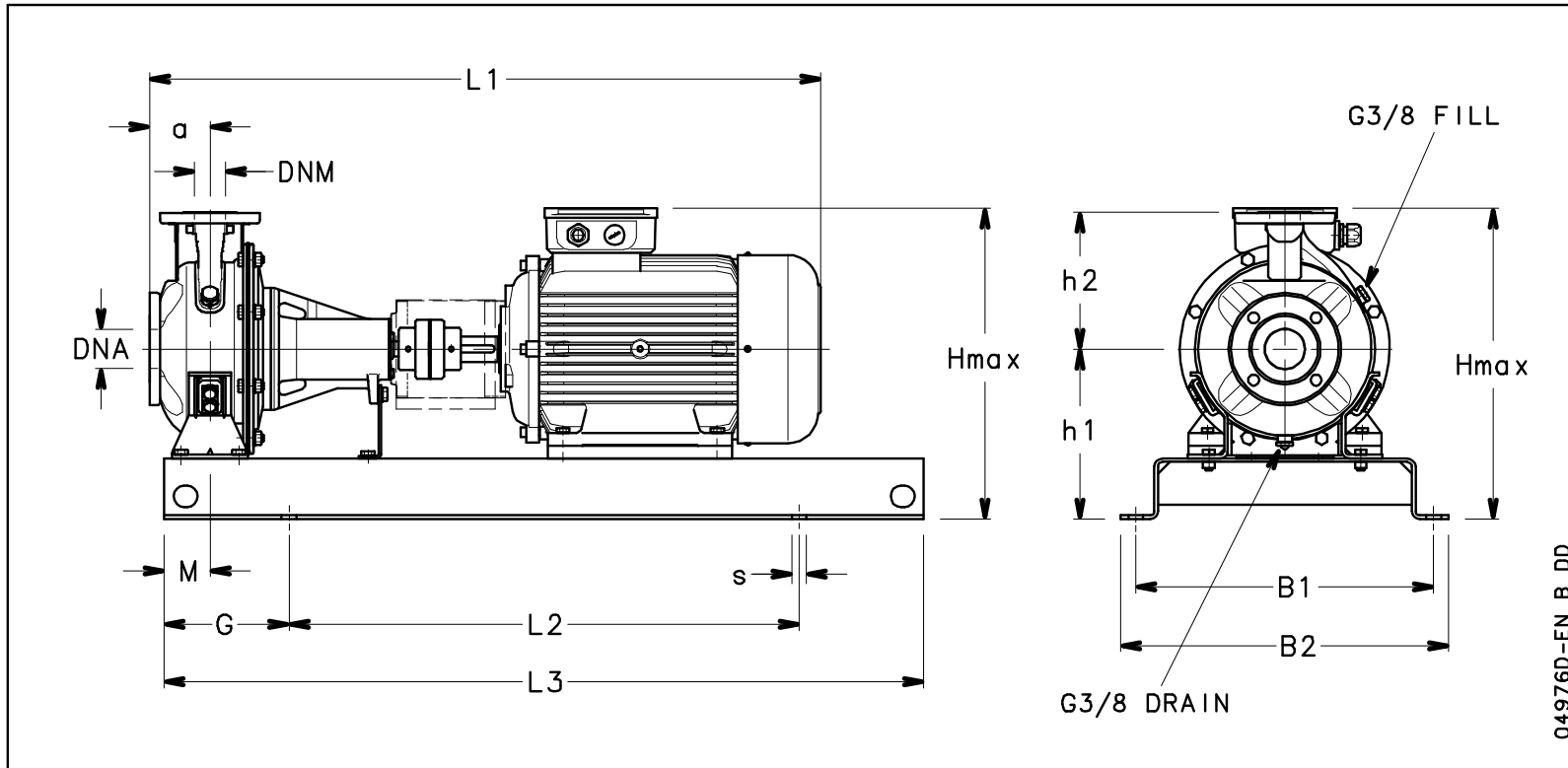
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Dimensions

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Frame mounted
Unit with standard coupling
PLM 90 B3 1,1 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	26
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	31 ¹⁵ / ₁₆
L2	26
L3	39 ³ / ₈
M	2 ¹⁵ / ₁₆
Sscrews	M20

Weight

Total weight	94 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

Dimensions and weight without obligation

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