

ESHE 65-160/110/P26PSNA

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/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	5 7/8			
12	Operating speed	3530 rpm	Stages		1	designed	inch	5 7/8		
13	Suction nozzle	DN 80	/	PN 16	/	EN1092-1	Min.	inch	4 15/16	
14	Discharge nozzle	DN 65	/	PN 16	/	EN1092-1	Nominal US g.p.m.			
15	Max. casing pressure	psi	174		Flow	Max-	US g.p.m.	532.9		
16	Max. working pressure	psi	58.7			Min-	US g.p.m.	213.1		
17	Impeller type	Radial impeller			Head	Nominal	ft			
18	Head H(Q=0)	ft	140			at Qmax	ft			79.1
19	Max. shaft power	hp	14.8			at Qmin	ft			134.7
20	Pump weight	kg			Shaft power	hp				
21	Total weight	lb	224.9		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	1 1/8 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 11 kW			
45	Rated power	14.751 hp	Rated current	35.7 A	
46	Nominal speed	3530 rpm	Rated voltage	220 V	
47	Frame size	132	Service factor	1	
48	Weight	lb	138.9	Degree of protection	IP55

Remarks					
49					
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50					
52					

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Performance curve

Company name
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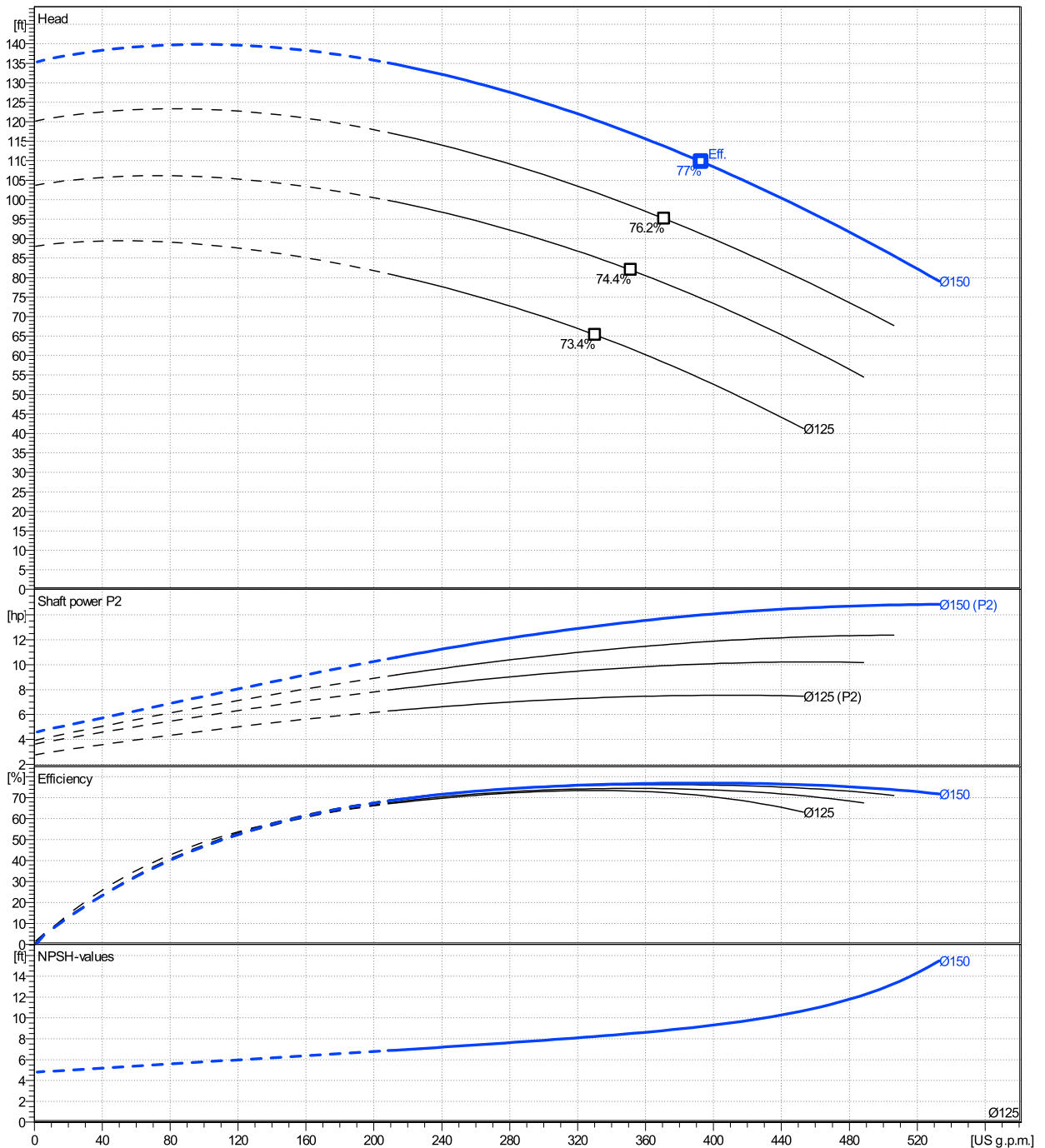
	Ø mm	Pump capacity			Pump head		Shaft power P2			Frequency	Hz	
		Operating range Min. US g.p.m.	Max. US g.p.m.	η Max. US g.p.m.	H(Q=0) ft	η Max. ft	P2(Q=0) hp	Max. hp	η Max. hp	Operating speed	rpm	
actual	5 7/8	213	533	393	135	110	14.8	14	Nominal flow	US g.p.m.	0	
Min.	0	/	/	330	88.1	65.3	/	7.34	Nominal head	ft	0	
Max.	5 7/8	/	/	393	135	110	/	14	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



ESHE 65-160/110/P26PSNA

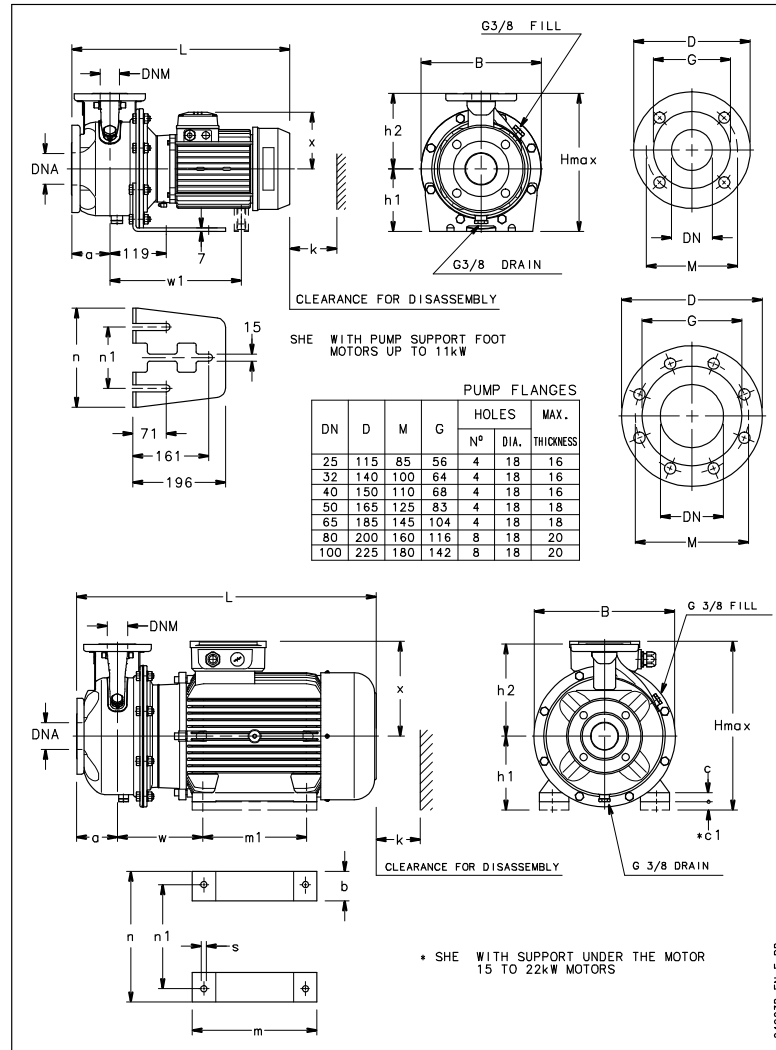
Dimensions

Company name
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e-mail address

Close coupled

PLM 132 B14 11 kW

Electrical and dimensional data refer to IE3 motor



Dimensions [inch]

a	3 ¹⁵ / ₁₆		
B	12 ³ / ₁₆		
DNA	3 ¹ / ₈		
DNM	2 ⁹ / ₁₆		
h1	6 ⁵ / ₁₆		
h2	7 ⁷ / ₈		
Hmax	14 ³ / ₁₆		
k	5 ¹ / ₈		
L	23 ¹³ / ₁₆		
n	9 ⁵ / ₈		
n1	5 ¹ / ₈		
w1	13 ¹ / ₂		
x	7 ¹ / ₂		

Weight

Total weight 102 kg

Connections

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

Dimensions and weight without obligation

Project	Xlect-20182923	Created by		Last update	1/12/2025
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