

ESHS 40-200/11/P46PSSA

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				
11	Design	Horizontal			
12	Operating speed	1750 rpm	Stages	1	
13	Suction nozzle	DN 65 /	PN 16 /	EN1092-1	
14	Discharge nozzle	DN 40 /	PN 16 /	EN1092-1	
15	Max. casing pressure	psi	174		
16	Max. working pressure	psi	20.8		
17	Impeller type	Radial impeller			
18	Head H(Q=0)	ft	48		
19	Max. shaft power	hp	1.3		
20	Pump weight	kg			
21	Total weight	lb	81.6		

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
25	SEAL HOUSING	Stainless steel / AISI 316L				VBVGG
26	Wear ring	Stainless steel / AISI 316L				Mechanical seal diameter
27	Counterwear ring	Stainless steel / AISI 316L				7/8 inch
28	Rigid shaft coupling	Stainless steel / AISI 316L				1. Rotating ring
29	Impeller locknut and washer	Stainless steel / AISI 316				Ceramic
30	Tab	Stainless steel / AISI 316L				2. Stationary ring
31	Fill/drain plugs	Stainless steel / AISI 316				Carbon graphite resin impregnated
32						3. Secondary seal
33						Fluorine rubber (FKM)
34						4. Springs
35						CrNiMo - Steel
36						5. Others
37						CrNiMo - Steel
38						Gaskets of the pump
39						Fluorine rubber (FKM)
40						
41						

Motor data

Electrical and dimensional data refer to IE3 motor

42	Manufacturer	Lowara PLM			
43	Specific design	IE3 3ph Flange Motor - Premium Efficiency			
44	Type	PLM 90 B5 1,1 kW			
45	Rated power	1.4751 hp	Rated current	4.61 A	
46	Nominal speed	1740 rpm	Rated voltage	220 V	
47	Frame size	90	Service factor	1	
48	Weight	lb 42.8	Degree of protection	IP55	

Remarks

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Block	ESHS 40-200/75/P26PSSA	Created on	1/12/2025		

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Performance curve

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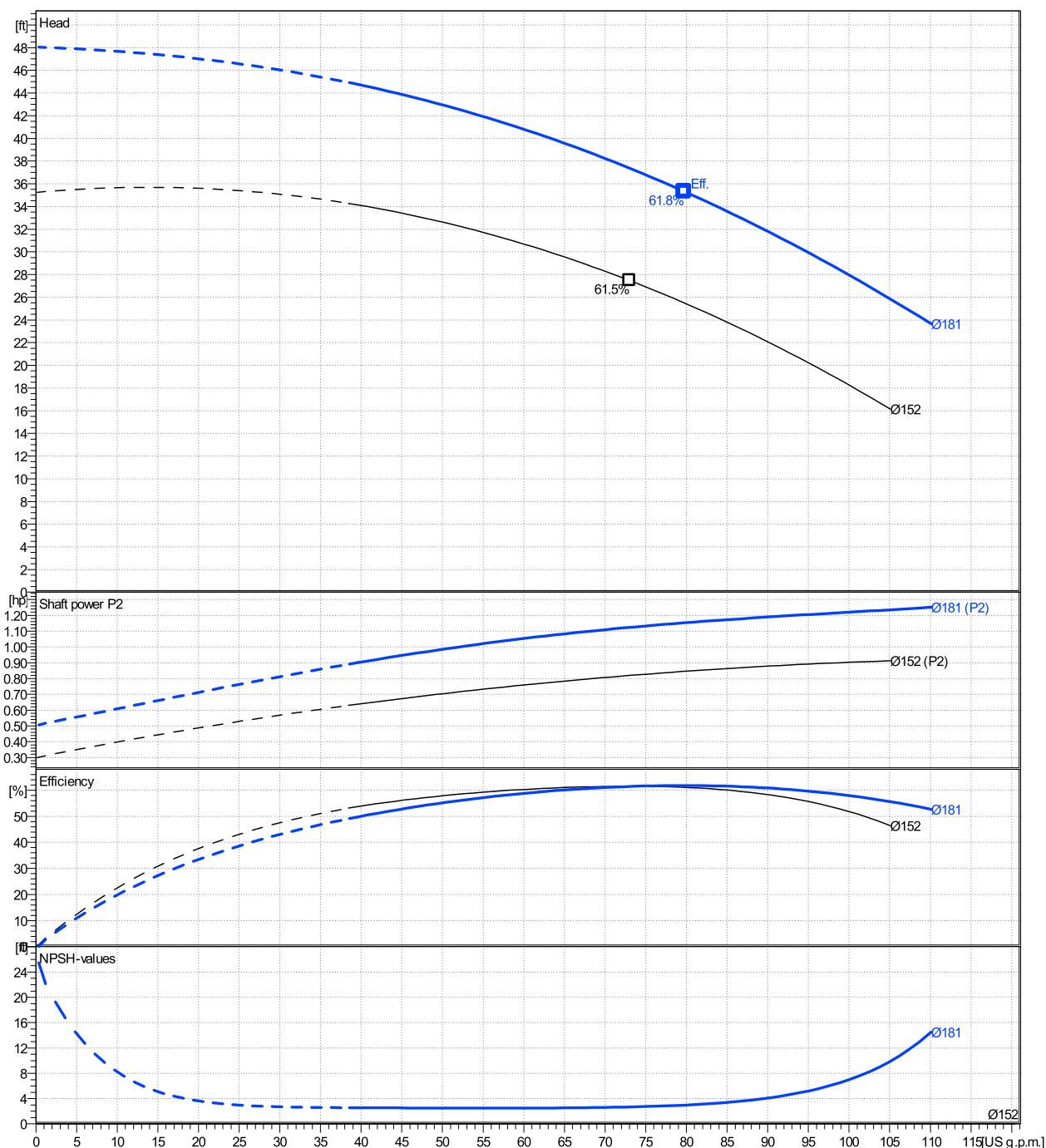
	Ø mm	Pump capacity Operating range			Pump head		Shaft power P2			Frequency		Hz
		Min. US g.p.m.	Max. US g.p.m.	Max. US g.p.m.	H(Q=0) ft	η Max. ft	P2(Q=0) hp	Max. hp	η Max. hp	Operating speed rpm	Nominal flow US g.p.m.	
actual	7 1/8	39.6	110	79.7	48	35.3		1.25	1.15			60
Min.	0	/	/	73	35.2	27.5		/	0.819			1750
Max.	7 1/8	/	/	79.7	48	35.3		/	1.15			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



ESHS 40-200/11/P46PSSA

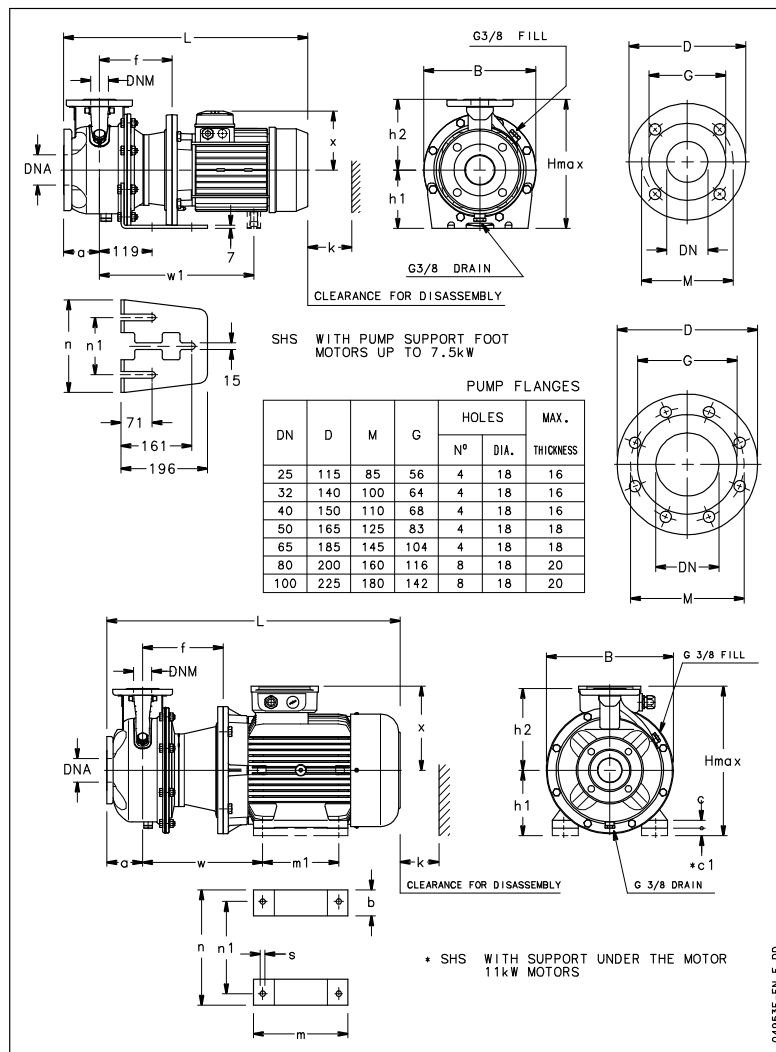
Dimensions

Company name
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Rigid coupling

PLM 90 B5 1,1 kW

Electrical and dimensional data refer to IE3 motor



Dimensions [inch]

a	3 ¹⁵ / ₁₆		
B	11 ³ / ₁₆		
DNA	2 ⁹ / ₁₆		
DNM	1 ⁹ / ₁₆		
f	6 ¹ / ₈		
h1	6 ⁵ / ₁₆		
h2	7 ¹ / ₁₆		
Hmax	13 ³ / ₈		
k	3 ¹⁵ / ₁₆		
L	21 ³ / ₄		
n	9 ¹ / ₁₆		
n1	5 ¹ / ₈		
x	5 ¹ / ₄		

Weight

Total weight	37 kg
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Connections

Suction nozzle	Discharge nozzle
DN 65	DN 40
PN 16	PN 16
EN1092-1	EN1092-1
D	7 ⁵ / ₁₆
Dia. Holes	1 ¹ / ₁₆
DN	2 ⁹ / ₁₆
G	4 ¹ / ₈
M	5 ¹¹ / ₁₆
Max thickness	1 ¹ / ₈

Dimensions and weight without obligation

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