

ESHE 80-200/40/P46PSNA**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			Impeller Ø	Max. inch 7 5/16
12	Operating speed	1746 rpm	Stages	1	designed	inch 7 5/16
13	Suction nozzle	DN 100 /	PN 16 /	EN1092-1	Min.	inch 6 15/16
14	Discharge nozzle	DN 80 /	PN 16 /	EN1092-1	Flow	Nominal US g.p.m.
15	Max. casing pressure	psi	174		Max-	US g.p.m. 579.9
16	Max. working pressure	psi	24.1		Min-	US g.p.m. 197.7
17	Impeller type	Radial impeller			Head	Nominal ft
18	Head H(Q=0)	ft	56		at Qmax	ft 20.6
19	Max. shaft power	hp	5		at Qmin	ft 51
20	Pump weight	kg		Shaft power	hp	
21	Total weight	lb	194.0	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 112 B14 4 kW		
45	Rated power	5.3641 hp	Rated current	14.8 A
46	Nominal speed	1746 rpm	Rated voltage	220 V
47	Frame size	112	Service factor	1
48	Weight	lb 119.0	Degree of protection	IP55

Remarks

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Project	Xylect-20182923	Created by		Last update	1/12/2025
Block	ESHE 80-200/220/P26PSNA	Created on	1/12/2025		

ESHE 80-200/40/P46PSNA

Performance curve

Company name
Contact
Phone number
e-mail address

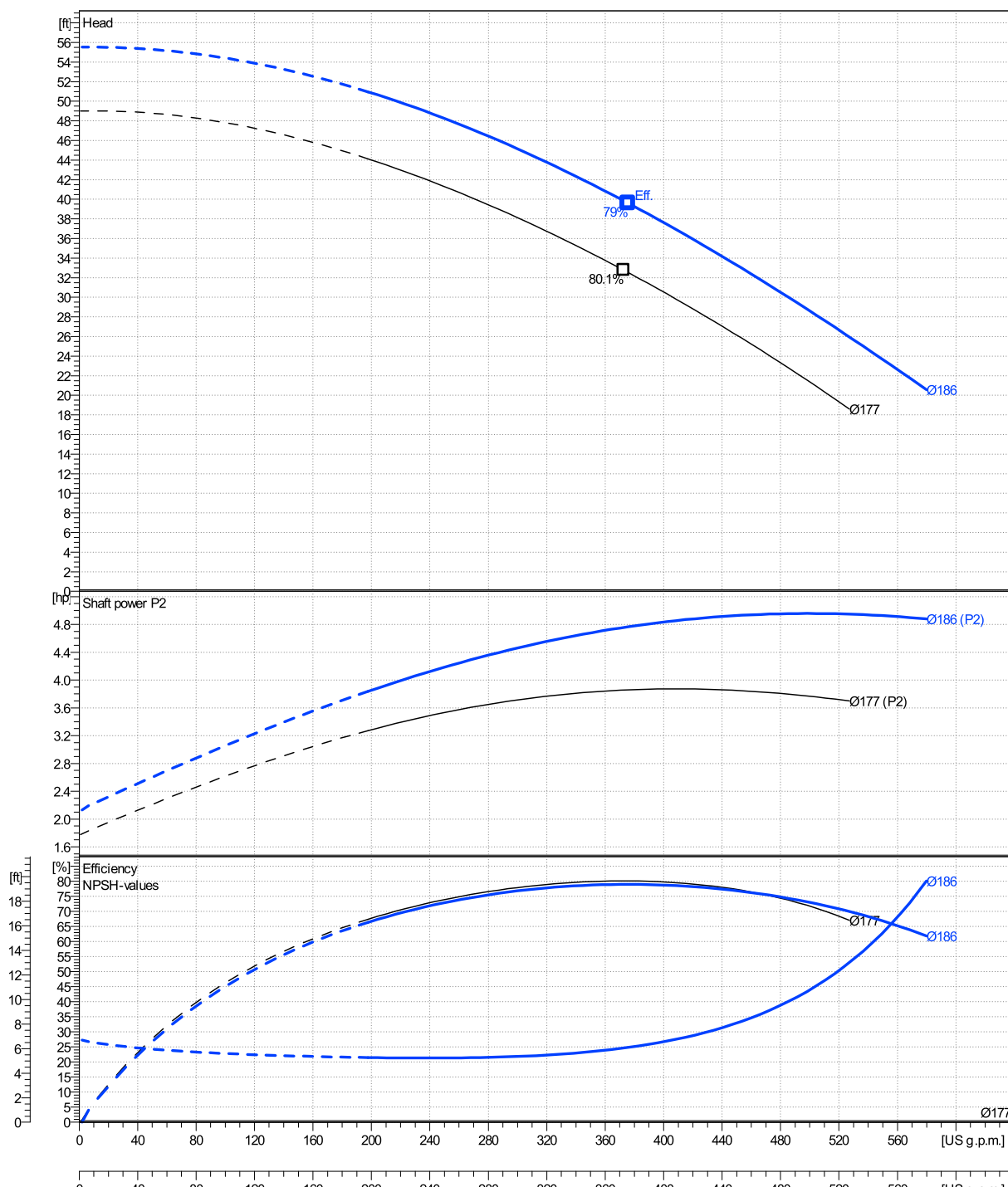
	Ø mm	Pump capacity Operating range			Pump head		Shaft power P2			Frequency		Hz
		Min. US g.p.m.	Max. US g.p.m.	Max. US g.p.m.	H(Q=0) ft	Max. ft	P2(Q=0) hp	Max. hp	Max. hp	Operating speed rpm		
actual	7 5/16	198	580	376	55.5	39.6		4.96	4.77			1746
Min.	0	/	/	373	49	32.8		/	3.86			0
Max.	7 5/16	/	/	376	55.5	39.6		/	4.77			0

Power datas referred to:

Water, pure [100%] ; 39.2°F; 62.4lb/ft³; 1.69E-5ft²/s

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

MEI: N.A - according to Ecodesign Directive 2009/125/EC and Regulation (EU) No.547/2012



ESHE 80-200/40/P46PSNA

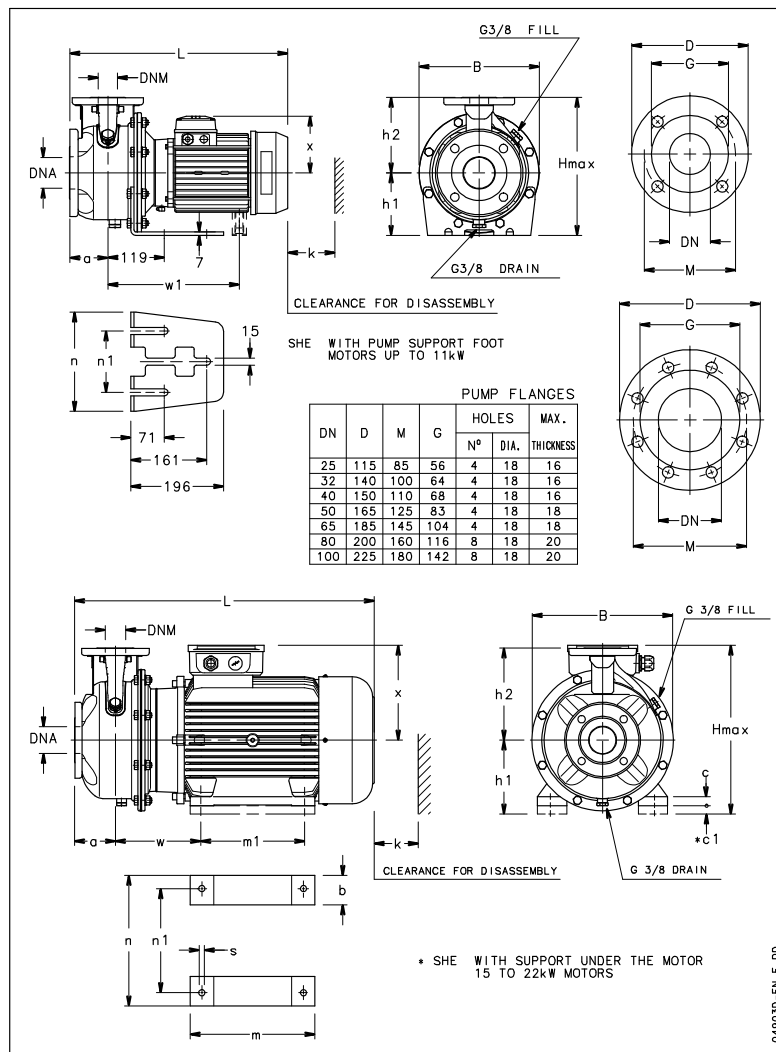
Dimensions

Company name
Contact
Phone number
e-mail address

Close coupled

PLM 112 B14 4 kW

Electrical and dimensional data refer to IE3 motor



Dimensions [inch]

a	4 ¹⁵ / ₁₆		
B	13 ⁹ / ₁₆		
DNA	3 ¹⁵ / ₁₆		
DNM	3 ¹ / ₈		
h1	7 ¹ / ₁₆		
h2	9 ¹³ / ₁₆		
Hmax	16 ¹⁵ / ₁₆		
k	6 ⁵ / ₁₆		
L	24 ¹ / ₂		
n	10 ⁷ / ₁₆		
n1	5 ¹ / ₈		
w1	12 ³ / ₈		
x	6 ⁵ / ₈		

Weight

Total weight	88 kg
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Connections

Suction nozzle	Discharge nozzle
DN 100	DN 80
PN 16	PN 16
EN1092-1	EN1092-1
D	8 ⁷ / ₈
Dia. Holes	11 ¹ / ₁₆
DN	3 ¹⁵ / ₁₆
G	5 ⁹ / ₁₆
M	7 ¹ / ₁₆
Max thickness	13 ¹ / ₁₆

Dimensions and weight without obligation

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