

# ESHE 65-250/40/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	8 3/4		
12	Operating speed	1746 rpm	Stages		1	designed	inch	8 1/16	
13	Suction nozzle	DN 80	/	PN 16	/	EN1092-1	Min.	inch	8 1/16
14	Discharge nozzle	DN 65	/	PN 16	/	EN1092-1	Flow		Nominal US g.p.m.
15	Max. casing pressure	psi	174		Flow	Max-	US g.p.m.	316.3	
16	Max. working pressure	psi	32.6			Min-	US g.p.m.	131.8	
17	Impeller type	Radial impeller		Head	Nominal	ft			
18	Head H(Q=0)	ft	75		at Qmax	ft	35.9		
19	Max. shaft power	hp	5.3		at Qmin	ft	68.5		
20	Pump weight	kg			Shaft power	hp			
21	Total weight	lb	185.2		Efficiency	%			
					NPSH 3%	ft			

Materials			
Pump		Shaft Seal	
22			
23	Pump body	Stainless steel / AISI 316L	
24	Impeller	Stainless steel / ASTMCF8M	
25	SEAL HOUSING	Stainless steel / AISI 316L	
26	Wear ring	Stainless steel / AISI 316L	
27	Counterwear ring	Stainless steel / AISI 316L	
28	Shaft extension	Stainless steel / AISI 316L	
29	Rigid shaft coupling	Stainless steel / AISI 316	
30	Impeller locknut and washer	Stainless steel / AISI 316	
31	Tab	Stainless steel / AISI 316L	
32	Fill/drain plugs	Stainless steel / AISI 316	
33			
34			
35			
36			
37			
38			
39			
40			
41			

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	
49	
50	
50	
52	

# ESHE 65-250/40/P46PSNA

## Performance curve

Company name  
Contact  
Phone number  
e-mail address

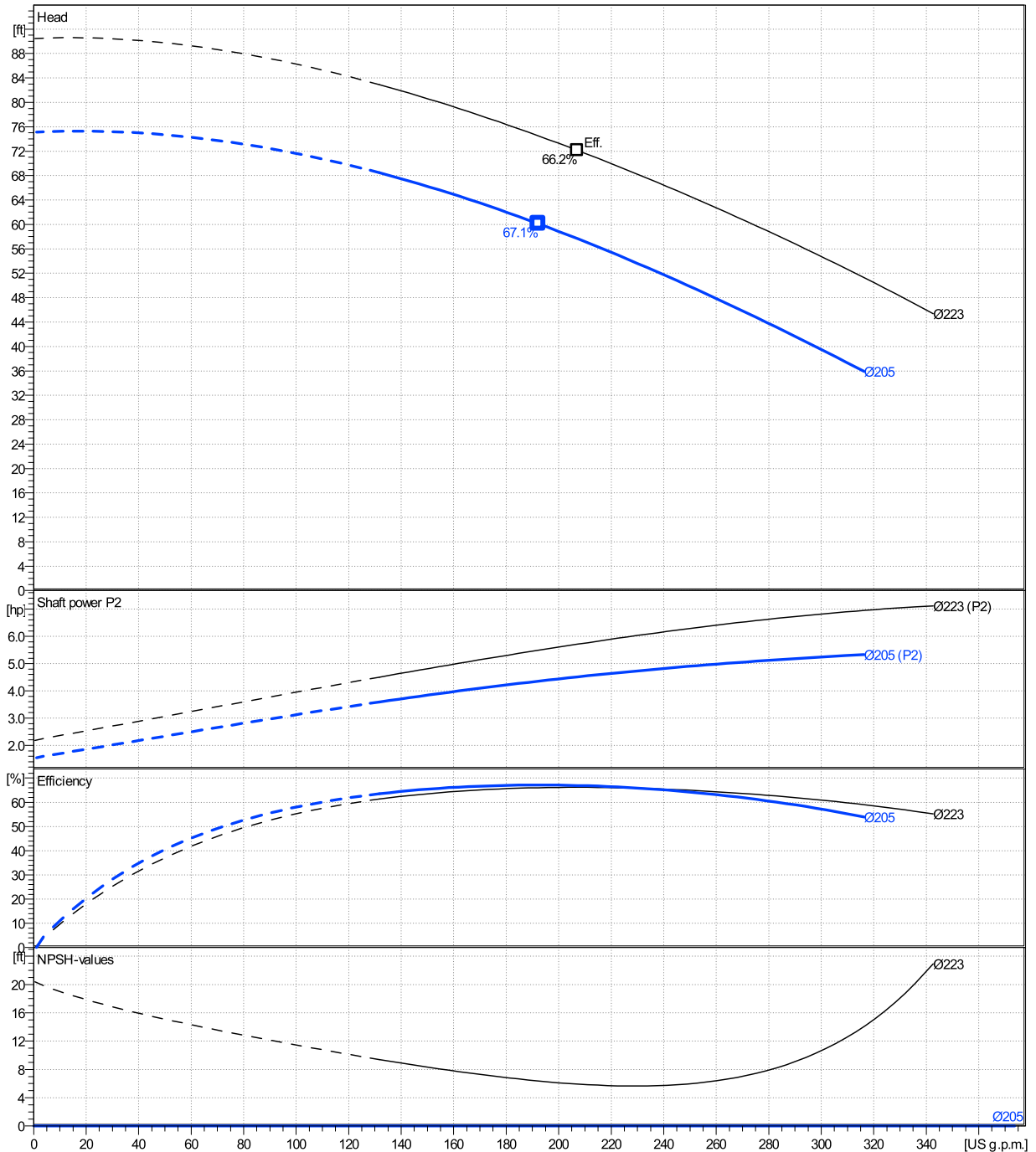
	Ø mm	Pump capacity Operating range η			Pump head H(Q=0) η		Shaft power P2 P2(Q=0) η			Frequency Hz	
		Min. US g.p.m.	Max. US g.p.m.	Max. US g.p.m.	ft	ft	hp	Max. hp	η Max. hp	rpm	
actual	8 1/16	132	316	192	75.1	60.1	5.33	4.36		1746	
Min.	0	/	/	192	75.1	60.1	/	4.36		0	
Max.	8 3/4	/	/	207	90.5	72.2	/	5.71		0	
										Nominal flow	US g.p.m.
										Nominal head	ft
										Inlet pressure	psi
										Static head	ft

**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 65-250/40/P46PSNA**

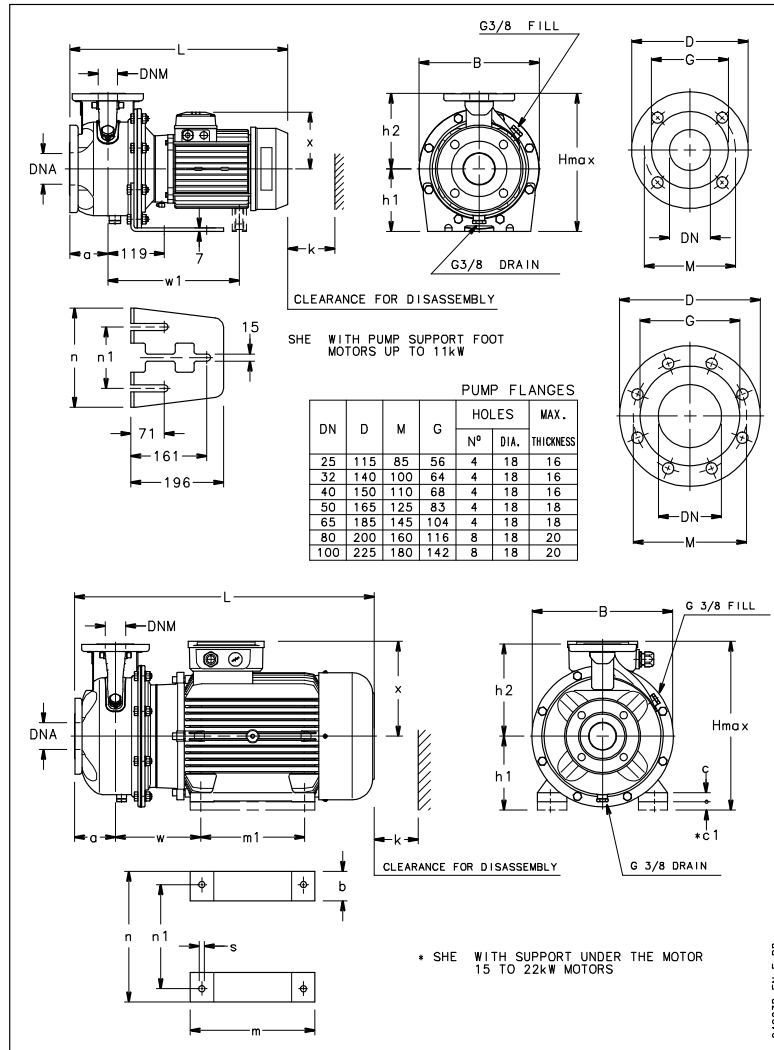
**Dimensions**

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	3 <sup>15</sup> / <sub>16</sub>
B	13 <sup>9</sup> / <sub>16</sub>
DNA	3 <sup>1</sup> / <sub>8</sub>
DNM	2 <sup>9</sup> / <sub>16</sub>
h1	7 <sup>7</sup> / <sub>8</sub>
h2	9 <sup>13</sup> / <sub>16</sub>
Hmax	17 <sup>11</sup> / <sub>16</sub>
k	5 <sup>1</sup> / <sub>2</sub>
L	23 <sup>9</sup> / <sub>16</sub>
n	10 <sup>7</sup> / <sub>16</sub>
n1	5 <sup>1</sup> / <sub>8</sub>
w1	12 <sup>3</sup> / <sub>8</sub>
x	6 <sup>5</sup> / <sub>8</sub>

Weight	
Total weight	84 kg

Connections	
<b>Suction nozzle</b>	<b>Discharge nozzle</b>
DN 80	DN 65
PN 16	PN 16
EN1092-1	EN1092-1
D	7 <sup>7</sup> / <sub>8</sub>
Dia. Holes	7 <sup>9</sup> / <sub>16</sub>
DN	2 <sup>9</sup> / <sub>16</sub>
G	4 <sup>1</sup> / <sub>2</sub>
M	5 <sup>11</sup> / <sub>16</sub>
Max thickness	1 <sup>13</sup> / <sub>16</sub>

**Dimensions and weight without obligation**

Project Xlect-20182923  
Block ESHE 65-250/55/P46PSNA

Created by  
Created on 1/12/2025

Last update 1/12/2025