

# ESHE 25-200/05/X46RSSA

## 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 <sup>3</sup>	62.4
6	Inlet pressure	psi	0	Kin. viscosity at t A	ft <sup>2</sup> /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 1/64		
12	Operating speed	1740 rpm	Stages		1	designed	inch	7 1/64	
13	Suction nozzle	DN 50	/	PN 16	/	EN1092-1	Min.	inch	6 1/4
14	Discharge nozzle	DN 25	/	PN 16	/	EN1092-1	Nominal US g.p.m.		
15	Max. casing pressure	psi	174		Flow	Max-	US g.p.m.	61.3	
16	Max. working pressure	psi	19.2			Min-	US g.p.m.	19.7	
17	Impeller type	Radial impeller			Head	Nominal	ft		
18	Head H(Q=0)	ft	44			at Qmax	ft	22.4	
19	Max. shaft power	hp	.7			at Qmin	ft	40.4	
20	Pump weight	kg			Shaft power	hp			
21	Total weight	lb	59.5		Efficiency	%			
					NPSH 3%	ft			

Materials			
Pump		Shaft Seal	
22			
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	Mechanical seal diameter
26	Wear ring	Stainless steel / AISI 316L	7/8 inch
27	Counterwear ring	Stainless steel / AISI 316L	1. Rotating ring
28	Shaft extension	Stainless steel / AISI 316L	Ceramic
29	Rigid shaft coupling	Stainless steel / AISI 316	2. Stationary ring
30	Impeller locknut and washer	Stainless steel / AISI 316	3. Secondary seal
31	Tab	Stainless steel / AISI 316L	4. Springs
32	Fill/drain plugs	Stainless steel / AISI 316	5. Others
33			Gaskets of the pump
34			Fluorine rubber (FKM)
35			
36			
37			
38			
39			
40			
41			

Motor data			
42	Manufacturer	Lowara LM	
43	Specific design	IE2 3ph Flange Motor	
44	Type	LLM480B14/305	
45	Rated power	0.73756 hp	Rated current
46	Nominal speed	1740 rpm	2.35 A
47	Frame size	80	Rated voltage
48	Weight	lb 18.1	265 V
			Service factor
			1
			Degree of protection
			IP55

Remarks	
49	
50	
50	
52	

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## Performance curve

Company name  
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Phone number  
e-mail address

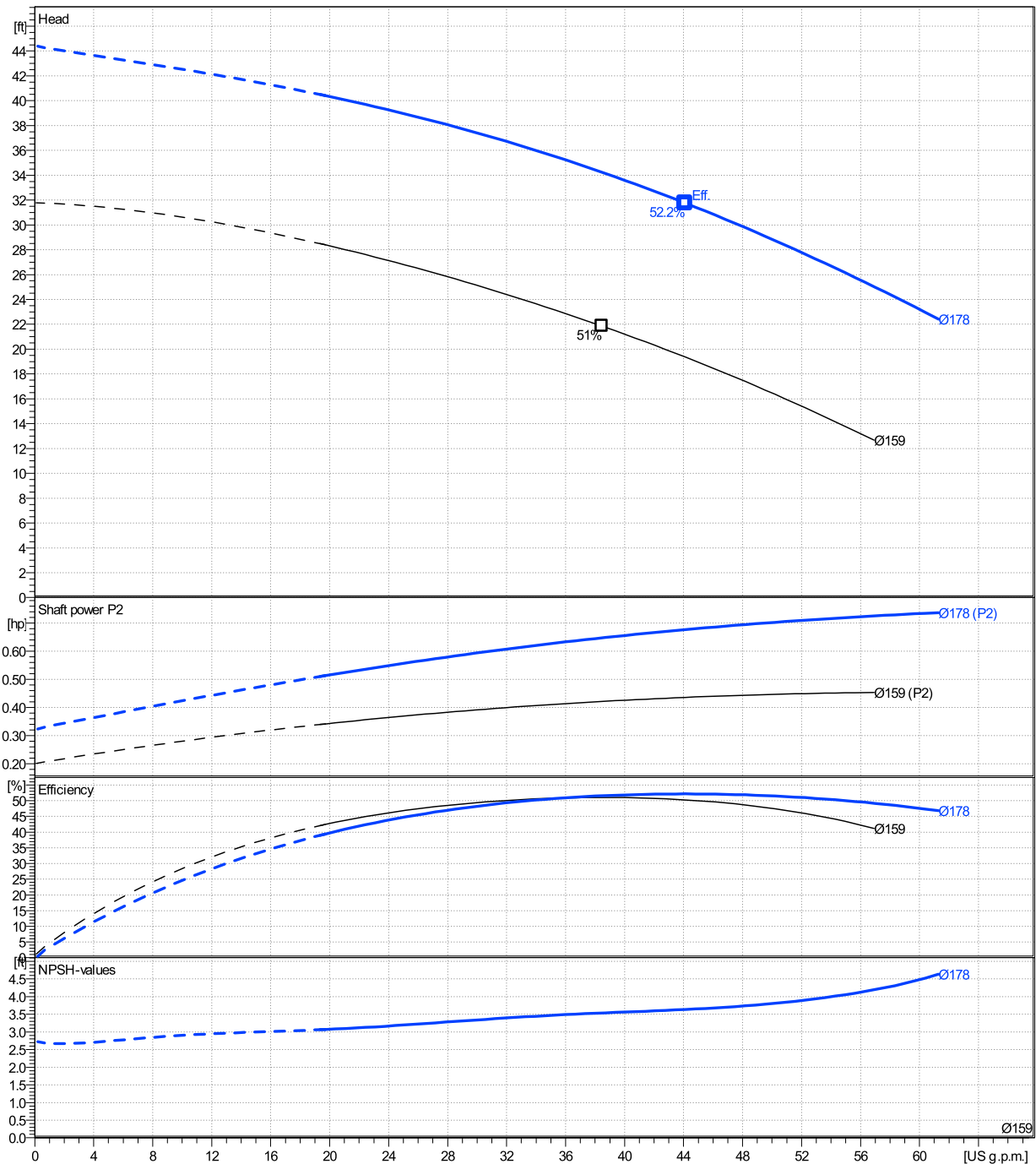
	Ø mm	Pump capacity Operating range			Pump head		Shaft power P2			Frequency	Hz	
		Min. US g.p.m.	Max. US g.p.m.	η US g.p.m.	H(Q=0) ft	η ft	P2(Q=0) hp	Max. hp	η hp	Operating speed	rpm	
actual	7 1/64	19.7	61.3	44.1	44.4	31.8	0.737	0.677	Nominal flow	US g.p.m.	0	
Min.	0	/	/	38.5	31.8	21.9	/	0.422	Nominal head	ft	0	
Max.	7 1/64	/	/	44.1	44.4	31.8	/	0.677	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



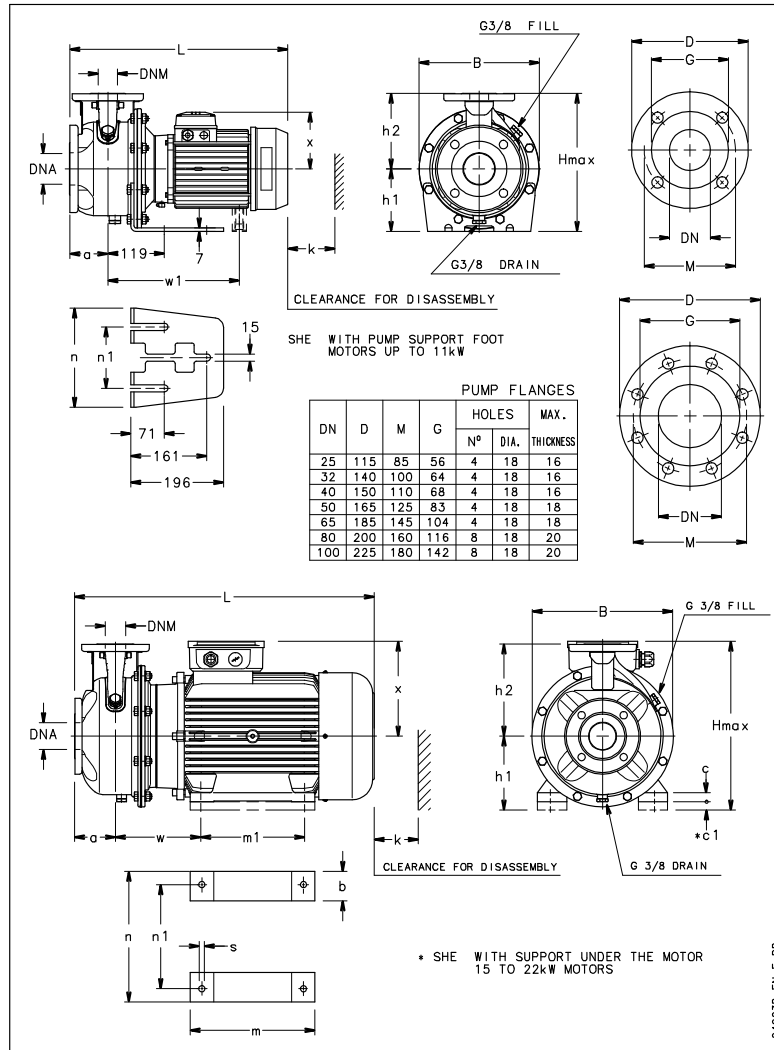
**ESHE 25-200/05/X46RSSA**

**Dimensions**

Company name  
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e-mail address

Close coupled

LLM480B14/305



Dimensions		[ inch ]	
a	3 <sup>1</sup> / <sub>8</sub>		
B	11 <sup>3</sup> / <sub>16</sub>		
DNA	1 <sup>15</sup> / <sub>16</sub>		
DNM	1		
h1	6 <sup>5</sup> / <sub>16</sub>		
h2	7 <sup>1</sup> / <sub>16</sub>		
Hmax	13 <sup>3</sup> / <sub>8</sub>		
k	3 <sup>7</sup> / <sub>8</sub>		
L	17 <sup>7</sup> / <sub>16</sub>		
n	9 <sup>1</sup> / <sub>16</sub>		
n1	5 <sup>1</sup> / <sub>8</sub>		
x	5 <sup>1</sup> / <sub>16</sub>		

Weight	
Total weight	27 kg

Connections	
<b>Suction nozzle</b>	<b>Discharge nozzle</b>
DN 50	DN 25
PN 16	PN 16
EN1092-1	EN1092-1
D	4 <sup>1</sup> / <sub>2</sub>
Dia. Holes	1 <sup>1</sup> / <sub>16</sub>
DN	1
G	2 <sup>3</sup> / <sub>16</sub>
M	3 <sup>3</sup> / <sub>8</sub>
Max thickness	1 <sup>1</sup> / <sub>8</sub>

**Dimensions and weight without obligation**

Project	Xlect-20182923	Created by		Last update	1/12/2025
Block	ESHE 25-200/40/P26PSSA	Created on	1/12/2025		