

# ESHF 25-250/07/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/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	Unit with standard coupling		
11	Design	Horizontal		
12	Operating speed	1750 rpm	Stages	1
13	Suction nozzle	DN 50 /	PN 16 /	EN1092-1
14	Discharge nozzle	DN 25 /	PN 16 /	EN1092-1
15	Max. casing pressure	psi 174	Impeller Ø	Max. inch 8 11/16
16	Max. working pressure	psi 20.3		designed inch 7 3/16
17	Impeller type	Radial impeller		
18	Head H(Q=0)	ft 47	Flow	Min. inch 7 3/16
19	Max. shaft power	hp 1		Nominal US g.p.m.
20	Pump weight	kg	Head	Max- US g.p.m. 66
21	Total weight	lb 216.0		Min- US g.p.m. 19.8
			Shaft power	Nominal ft
				at Qmax ft 18.2
			Efficiency	at Qmin ft 43.4
				hp
			NPSH 3%	%
				ft

Materials				
22		<b>Pump</b>	<b>Shaft Seal</b>	
23	Pump body	Stainless steel / AISI 316L	Single mechanical seal, without shaft sleeve	
24	Impeller	Stainless steel / AISI 316L	Uniten 3K	VBVGG
25	SEAL HOUSING	Stainless steel / AISI 316L	Mechanical seal diameter	7/8 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	Impeller locknut and washer	Stainless steel / AISI 316	4. Springs	CrNiMo - Steel
30	Tab	Stainless steel / AISI 316L	5. Others	CrNiMo - Steel
31	Fill/drain plugs	Stainless steel / AISI 316	Gaskets of the pump	Fluorine rubber (FKM)
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Motor data				Coupling		
42	Manufacturer	Xylem		Manufacturer	Not applicable	
43	Specific design	IE3 3ph Surface Motor - Premium Efficiency		Series	Not applicable	
44	Type	LLM480B3/307		Shaft diameter	Pump 0 inch	Motor 3/4 inch
45	Rated power	1.0058 hp	Rated current 2.6 A	Frame size	Not applicable	
46	Nominal speed	1735 rpm	Rated voltage 265 V	Spacer length	inch Not applicable	
47	Frame size	80	Service factor 1	Weight	lb	
48	Weight	lb 24.3	Degree of protection IP55	Coupling protection	Not applicable	

Base plate			Remarks			
49	Name	Not applicable				
50	Weight	lb				

**ESHF 25-250/07/X46RSSA**

**Performance curve**

Company name  
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e-mail address

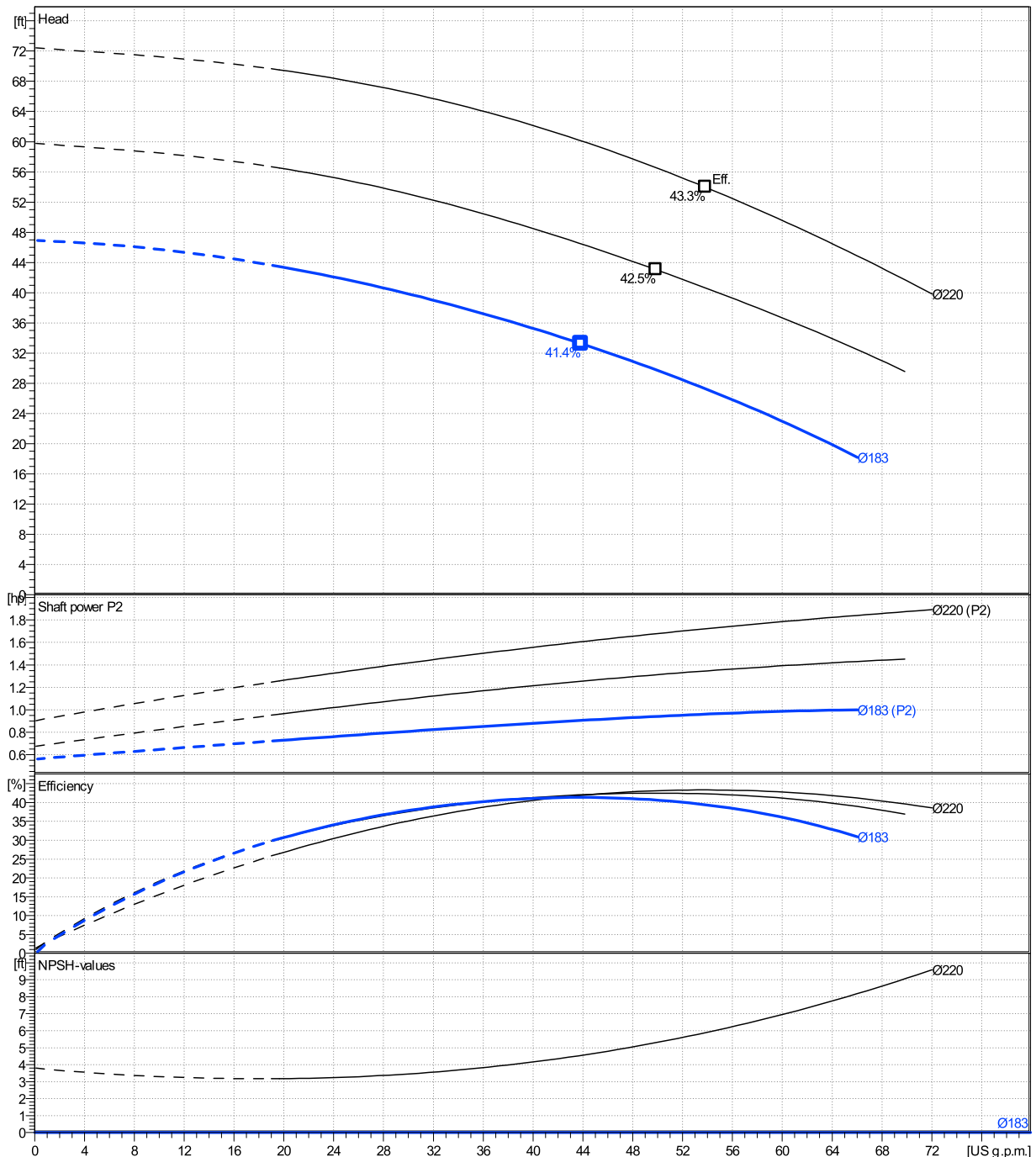
	Ø mm	Pump capacity Operating range η			Pump head H(Q=0) η		Shaft power P2 P2(Q=0) η			Frequency	Hz	60
		Min. US g.p.m.	Max. US g.p.m.	Max. US g.p.m.	H(Q=0) ft	η ft	P2(Q=0) hp	Max. hp	η hp	Operating speed	rpm	1750
actual	7 3/16	19.8	66	43.8	46.9	33.3	1	0.905	Nominal flow	US g.p.m.	0	
Min.	0	/	/	43.8	46.9	33.3	/	0.905	Nominal head	ft	0	
Max.	8 11/16	/	/	53.8	72.4	54	/	1.72	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**

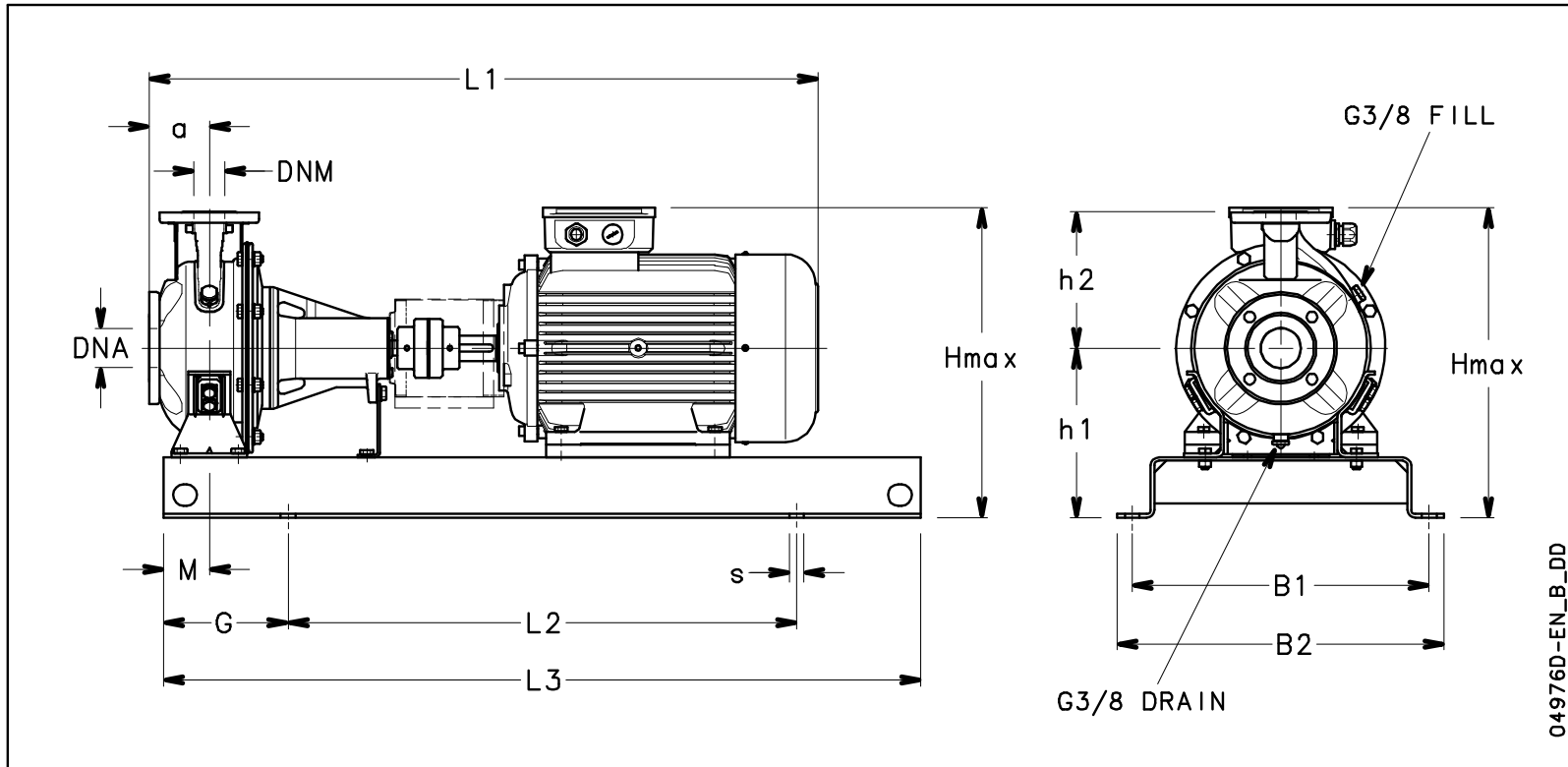


**ESHF 25-250/07/X46RSSA**

**Dimensions**

Company name  
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Frame mounted  
Unit with standard coupling  
LLM480B3/307



Dimensions		[ inch ]	
a	3 <sup>15</sup> / <sub>16</sub>		
B1	15 <sup>3</sup> / <sub>4</sub>		
B2	17 <sup>11</sup> / <sub>16</sub>		
Coupling Type	02		
DNA	1 <sup>15</sup> / <sub>16</sub>		
DNM	1		
G	6 <sup>11</sup> / <sub>16</sub>		
h1	11 <sup>1</sup> / <sub>32</sub>		
h2	8 <sup>7</sup> / <sub>8</sub>		
Hmax	19 <sup>7</sup> / <sub>8</sub>		
L1	28 <sup>7</sup> / <sub>8</sub>		
L2	26		
L3	39 <sup>3</sup> / <sub>8</sub>		
M	2 <sup>15</sup> / <sub>16</sub>		
Sscrews	M20		
Weight			
Total weight	98 kg		
Connections			
Suction nozzle	Discharge nozzle		
DN 50	DN 25		
PN 16	PN 16		
EN1092-1	EN1092-1		
D	6 <sup>1</sup> / <sub>2</sub>	D	4 <sup>1</sup> / <sub>2</sub>
Dia. Holes	1 <sup>15</sup> / <sub>16</sub>	Dia. Holes	1 <sup>15</sup> / <sub>16</sub>
DN	1 <sup>15</sup> / <sub>16</sub>	DN	1
G	3 <sup>1</sup> / <sub>4</sub>	G	2 <sup>3</sup> / <sub>16</sub>
M	4 <sup>15</sup> / <sub>16</sub>	M	3 <sup>3</sup> / <sub>8</sub>
Max thickness	1.65	Max thickness	1.65

**Dimensions and weight without obligation**

Project	Xylect-20185149	Created by		Last update	1/13/2025
Block	ESHF 25-250/110/P26PSSA	Created on	1/13/2025		