

ESHS 32-250/07/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					
11	Design	Horizontal		Impeller Ø	Max.	inch 8 11/16
12	Operating speed	1750 rpm	Stages 1		designed	inch 7 3/16
13	Suction nozzle	DN 50 /	PN 16 /		Min.	inch 7 3/16
14	Discharge nozzle	DN 32 /	PN 16 /	Flow	Nominal	US g.p.m.
15	Max. casing pressure	psi	174		Max-	US g.p.m. 66
16	Max. working pressure	psi	20.4		Min-	US g.p.m. 19.8
17	Impeller type	Radial impeller		Head	Nominal	ft
18	Head H(Q=0)	ft	47		at Qmax	ft 23.5
19	Max. shaft power	hp	1		at Qmin	ft 44.2
20	Pump weight	kg		Shaft power	hp	
21	Total weight	lb	92.6	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 / 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	Rigid shaft coupling	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

42	Manufacturer	Lowara LM			
43	Specific design	IE3 3ph Flange Motor - Premium Efficiency			
44	Type	LLM480B5/307			
45	Rated power	1.0058 hp	Rated current	2.6 A	
46	Nominal speed	1735 rpm	Rated voltage	265 V	
47	Frame size	80	Service factor	1	
48	Weight	lb 24.3	Degree of protection	IP55	

Remarks

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Project	Xylect-20183008	Created by		Last update	1/12/2025
Block	ESHS 32-250/110/P26PSSA	Created on	1/12/2025		

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Performance curve

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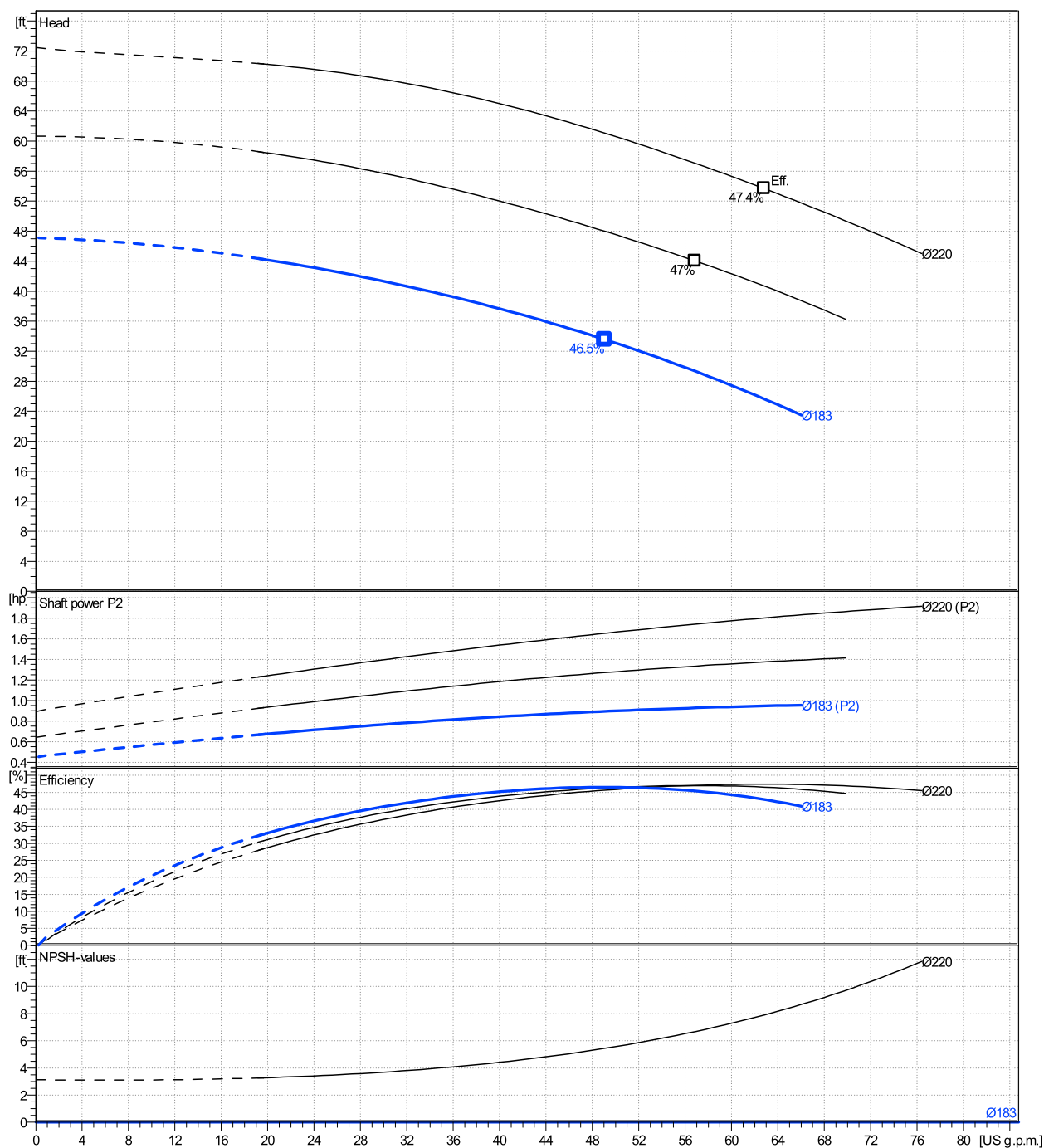
	Ø mm	Pump capacity Operating range η			Pump head H(Q=0) η		Shaft power P2 P2(Q=0) η			Frequency Hz	60
		Min. US g.p.m.	Max. US g.p.m.	Max. US g.p.m.	Max. ft	Max. ft	Max. hp	Max. hp	Max. hp	Operating speed rpm	1750
actual	7 3/16	19.8	66	49.1	47.1	33.6	0.955	0.894		Nominal flow	US g.p.m.
Min.	0	/	/	49.1	47.1	33.6	/	0.894		Nominal head	ft
Max.	8 11/16	/	/	62.8	72.4	53.7	/	1.8		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



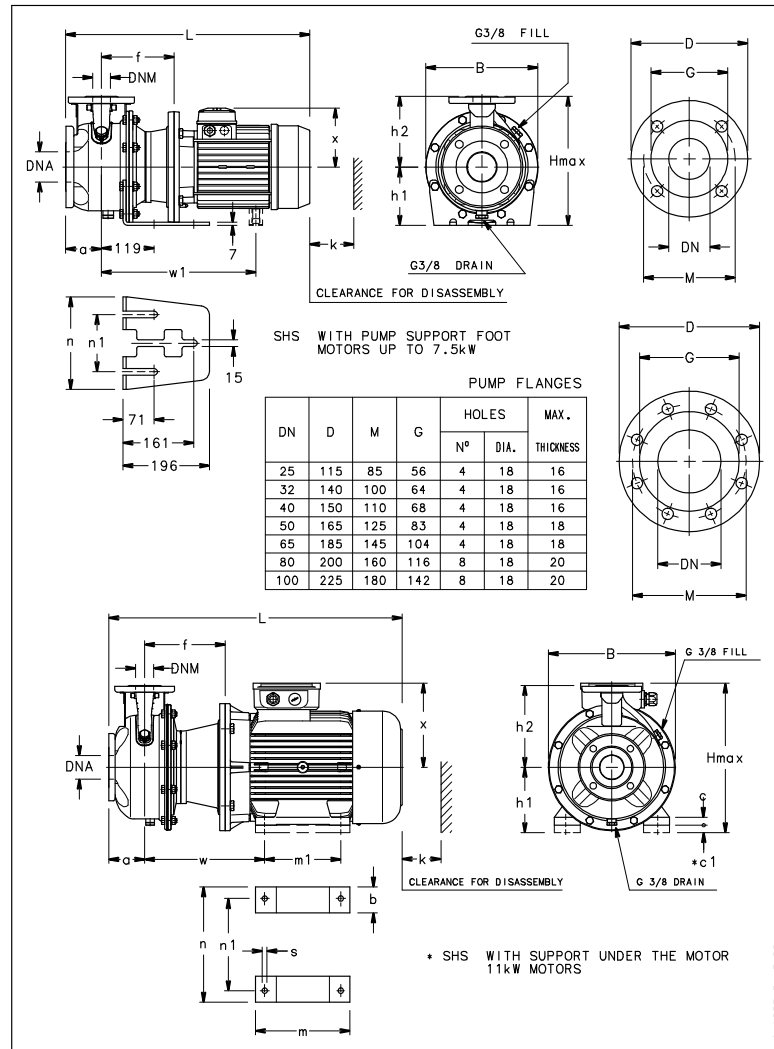
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Dimensions

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Rigid coupling

LLM480B5/307



Dimensions		[inch]	
a	3 ¹⁵ / ₁₆		
B	13 ⁹ / ₁₆		
DNA	1 ¹⁵ / ₁₆		
DNM	1 ¹ / ₄		
f	6 ¹ / ₈		
h1	7 ¹ / ₁₆		
h2	8 ⁷ / ₈		
Hmax	15 ¹⁵ / ₁₆		
k	3 ⁷ / ₈		
L	19 ¹ / ₈		
n	10 ⁷ / ₁₆		
n1	5 ¹ / ₈		
x	5 ¹ / ₁₆		

Weight	
Total weight	42 kg

Connections	
Suction nozzle	Discharge nozzle
DN 50	DN 32
PN 16	PN 16
EN1092-1	EN1092-1
D	6 ¹ / ₂
Dia. Holes	5 ¹ / ₂
DN	1 ¹⁵ / ₁₆
G	1 ¹ / ₄
M	2 ¹ / ₂
Max thickness	3 ¹⁵ / ₁₆

Dimensions and weight without obligation

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