

# ESHE 50-125/03/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 at 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 4 5/8	
12	Operating speed	1725 rpm	Stages 1		designed	inch 4 3/16	
13	Suction nozzle	DN 65 /	PN 16 /	EN1092-1	Min.	inch 4 3/16	
14	Discharge nozzle	DN 50 /	PN 16 /	EN1092-1	Flow	Nominal US g.p.m.	
15	Max. casing pressure	psi	174			Max-	US g.p.m. 156.2
16	Max. working pressure	psi	7		Min-	US g.p.m. 78.1	
17	Impeller type	Radial impeller		Head	Nominal	ft	
18	Head H(Q=0)	ft	16		at Qmax	ft 6.2	
19	Max. shaft power	hp	.4		at Qmin	ft 13.6	
20	Pump weight	kg			Shaft power	hp	
21	Total weight	lb	44.1		Efficiency	%	
					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	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					
42	Manufacturer	Lowara LM			
43	Specific design	IE2 3ph Flange Motor			
44	Type	LLM471B14/304			
45	Rated power	0.49618 hp	Rated current	1.6 A	
46	Nominal speed	1725 rpm	Rated voltage	265 V	
47	Frame size	71	Service factor	1	
48	Weight	lb 13.2	Degree of protection	IP55	

Remarks					
49					
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52					

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## Performance curve

Company name  
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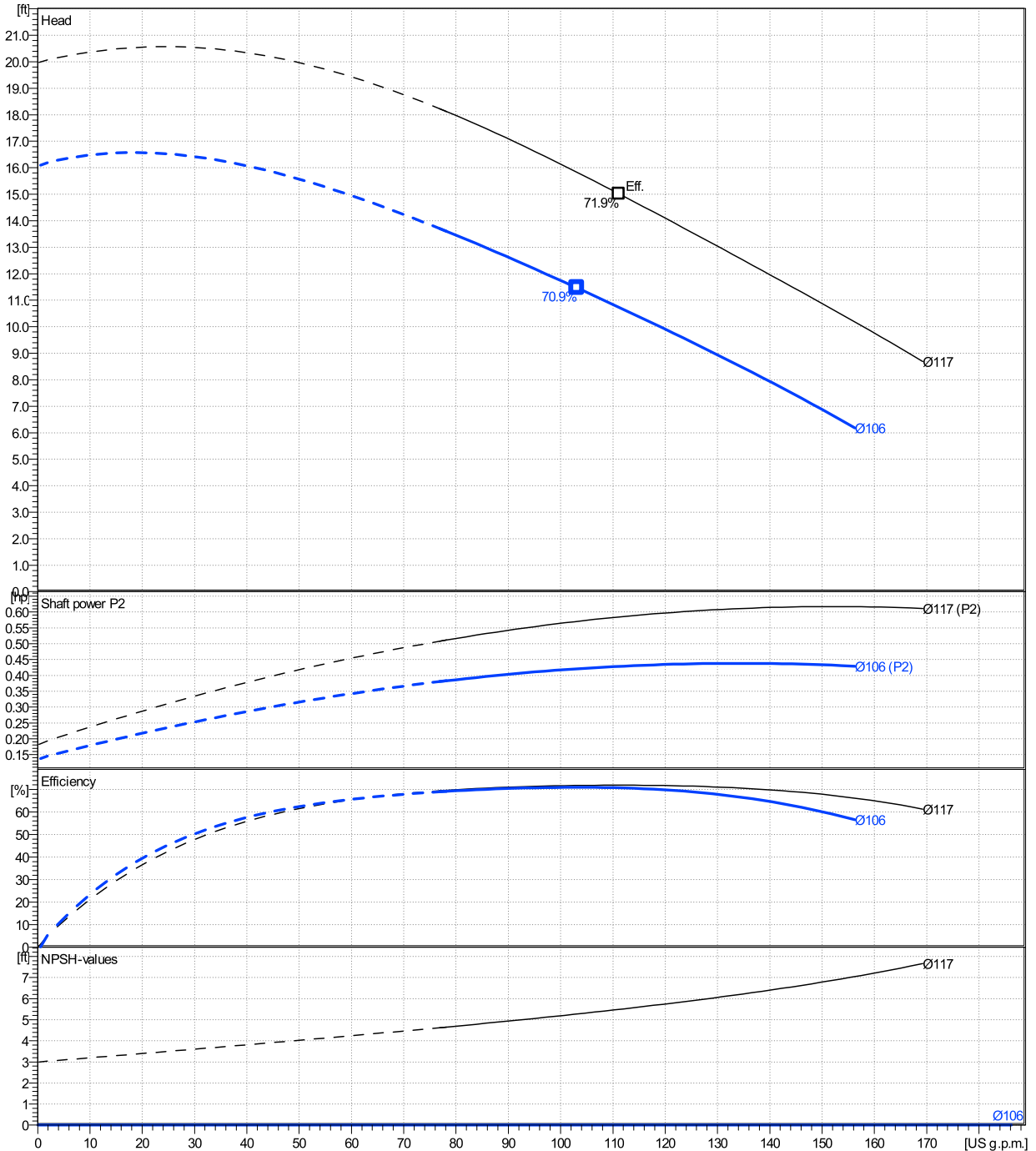
	Ø mm	Pump capacity Operating range			Pump head		Shaft power P2			Frequency	Hz	
		Min. US g.p.m.	Max. US g.p.m.	η Max. US g.p.m.	H(Q=0) ft	η Max. ft	P2(Q=0) hp	Max. hp	η Max. hp	Operating speed	rpm	
actual	4 3/16	78.1	156	103	16.1	11.5		0.438	0.421	Nominal flow	US g.p.m.	0
Min.	0	/	/	103	16.1	11.5		/	0.421	Nominal head	ft	0
Max.	4 5/8	/	/	111	20	15		/	0.584	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



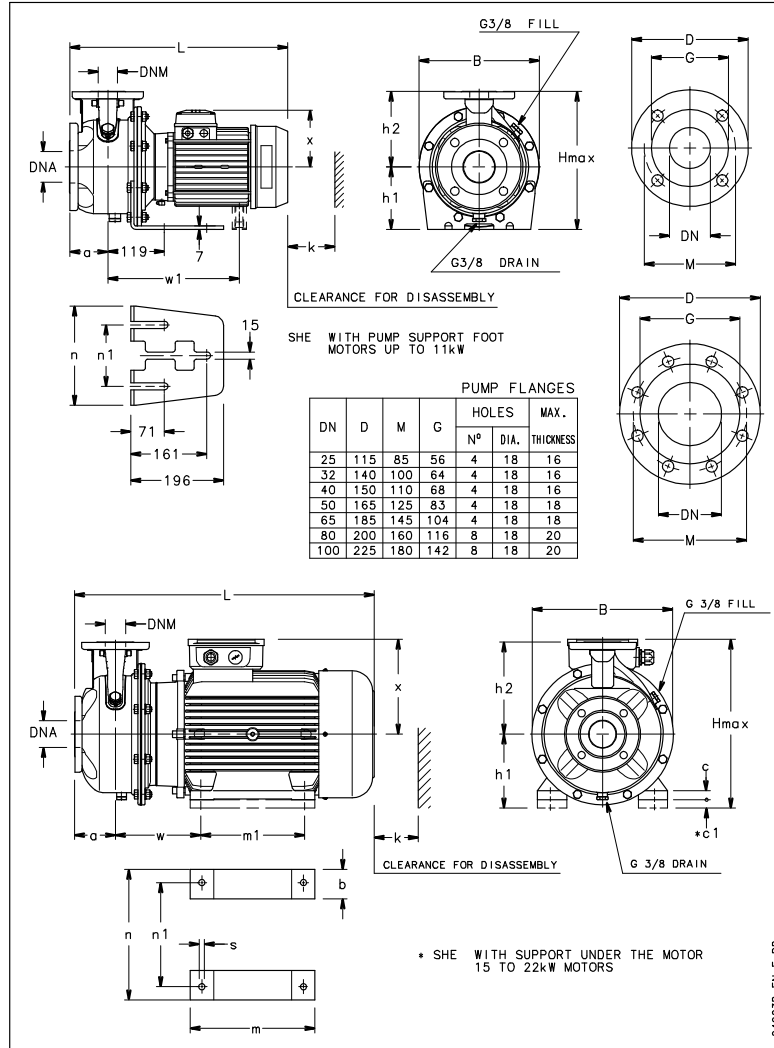
**ESHE 50-125/03/X46RSSA**

**Dimensions**

Company name  
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Phone number  
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Close coupled

LLM471B14/304



Dimensions		[ inch ]	
a	3 <sup>15</sup> / <sub>16</sub>		
B	9 <sup>15</sup> / <sub>16</sub>		
DNA	2 <sup>9</sup> / <sub>16</sub>		
DNM	1 <sup>15</sup> / <sub>16</sub>		
h1	5 <sup>3</sup> / <sub>16</sub>		
h2	6 <sup>5</sup> / <sub>16</sub>		
Hmax	11 <sup>1</sup> / <sub>2</sub>		
k	4 <sup>1</sup> / <sub>8</sub>		
L	16 <sup>15</sup> / <sub>16</sub>		
n	8 <sup>1</sup> / <sub>4</sub>		
n1	5 <sup>1</sup> / <sub>8</sub>		
x	4 <sup>3</sup> / <sub>4</sub>		

Weight	
Total weight	20 kg

Connections	
<b>Suction nozzle</b>	<b>Discharge nozzle</b>
DN 65	DN 50
PN 16	PN 16
EN1092-1	EN1092-1
D	6 <sup>1</sup> / <sub>2</sub>
Dia. Holes	1 <sup>15</sup> / <sub>16</sub>
DN	1 <sup>15</sup> / <sub>16</sub>
G	3 <sup>1</sup> / <sub>4</sub>
M	4 <sup>15</sup> / <sub>16</sub>
Max thickness	1 <sup>15</sup> / <sub>16</sub>

**Dimensions and weight without obligation**

Project Xlect-20182923  
Block ESHE 50-125/40/P26PSSA

Created by  
Created on 1/12/2025

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