

# ESHE 32-125/02/X45RSNA

## 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	°C	4
3	Nominal flow	m <sup>3</sup> /h	0	Max / Min Operating Temperature mech. Seal	°C	120 / -10
4	Nominal head	m	0	pH-value at t A		7
5	Static head	m	0	Density at t A	kg/m <sup>3</sup>	1000
6	Inlet pressure	kPa	0	Kin. viscosity at t A	mm <sup>2</sup> /s	1.569
7	Environmental temperature	°C	20	Vapor pressure at t A	kPa	100
8	Available system NPSH	m	0	Altitude		0

Pump data									
9	Lubrication	Standard, Grease lubrication [Std]							
10	Execution								
11	Design	Horizontal		Impeller Ø	Max.	mm	128		
12	Operating speed	1390 rpm	Stages		1	designed	mm	114	
13	Suction nozzle	DN 50	/	PN 16	/	EN1092-1	Min.	mm	114
14	Discharge nozzle	DN 32	/	PN 16	/	EN1092-1	Nominal	m <sup>3</sup> /h	
15	Max. casing pressure	kPa	1200		Flow	Max-	m <sup>3</sup> /h	11.5	
16	Max. working pressure	kPa	36.6			Min-	m <sup>3</sup> /h	3.8	
17	Impeller type	Radial impeller		Head	Nominal	m			
18	Head H(Q=0)	m	3.7		at Qmax	m	1.2		
19	Max. shaft power	kW	.1		Shaft power		kW		
20	Pump weight	kg				Efficiency		%	
21	Total weight	kg	15.0		NPSH 3%		m		

Materials			
Pump		Shaft Seal	
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			
		Single mechanical seal, without shaft sleeve	
		Uniten 3K	VBVGG
		Mechanical seal diameter	22 mm
		1. Rotating ring	Ceramic
		2. Stationary ring	Carbon graphite resin impregnated
		3. Secondary seal	Fluorine rubber (FKM)
		4. Springs	CrNiMo - Steel
		5. Others	CrNiMo - Steel
		Gaskets of the pump	Fluorine rubber (FKM)

Motor data			
42	Manufacturer	Lowara LM	
43	Specific design	IE2 3ph Flange Motor	
44	Type	LLM471B14/302	
45	Rated power	0.25 kW	Rated current 1.2 A
46	Nominal speed	1390 rpm	Rated voltage 230 V
47	Frame size	71	Service factor 1
48	Weight	kg 5.7	Degree of protection IP55

Remarks	
49	
50	
50	
52	

**ESHE 32-125/02/X45RSNA**

**Performance curve**

Company name  
Contact  
Phone number  
e-mail address

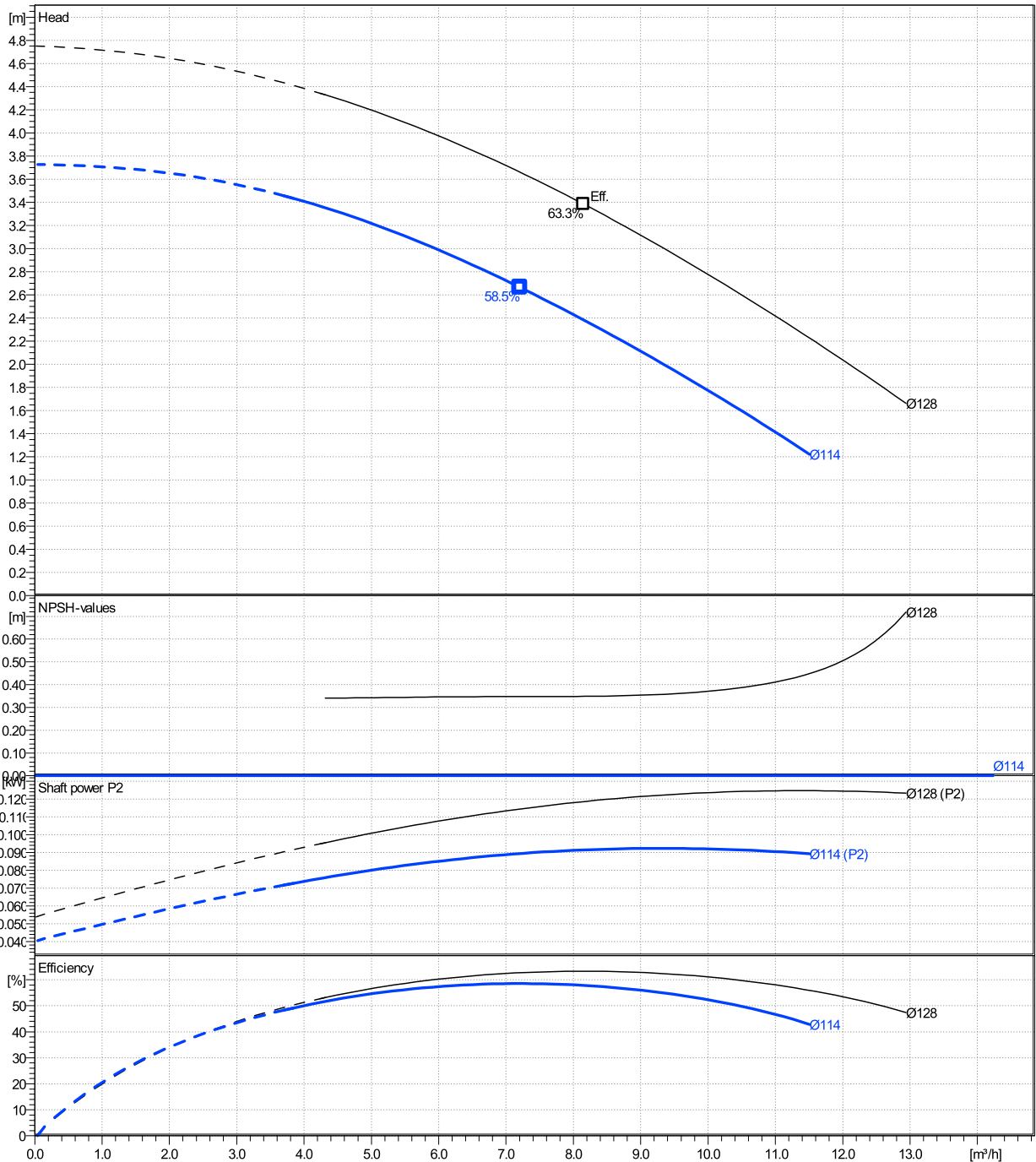
	Ø mm	Pump capacity			Pump head		Shaft power P2			Frequency	Hz	50
		Operating range Min. m³/h	Max. m³/h	η Max. m³/h	H(Q=0) m	η Max. m	P2(Q=0) kW	Max. kW	η Max. kW	Operating speed	rpm	1390
actual	114	3.83	11.5	7.21	3.73	2.66	0.0923	0.0894	0.0894	Nominal flow	m³/h	0
Min.	0	/	/	7.21	3.73	2.66	/	0.0894	0.0894	Nominal head	m	0
Max.	128	/	/	8.15	4.75	3.39	/	0.119	0.119	Inlet pressure	kPa	0
										Static head	m	0

**Power datas referred to:**

hydr. Performance acceptance acc. To EN ISO 9906 Class Grade 3B

Water, pure [100%] ; 4°C; 1000kg/m³; 1.57mm²/s

MEI: N.A - according to Ecodesign Directive 2009/125/EC and Regulation (EU) No.547/2012



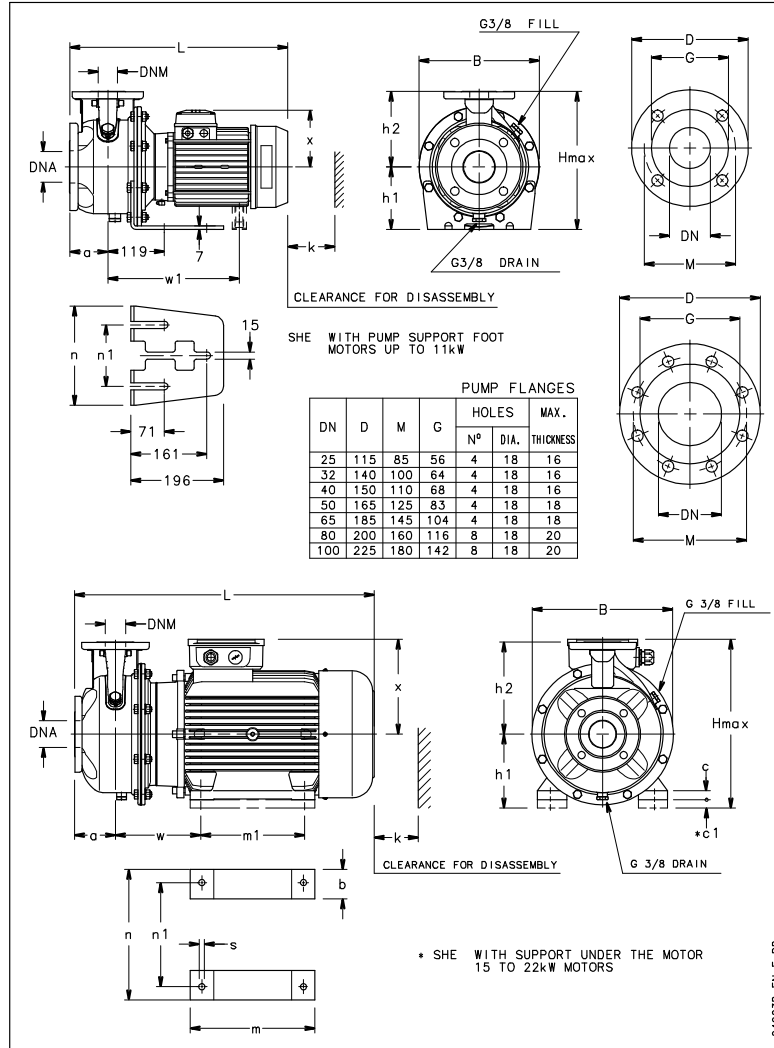
**ESHE 32-125/02/X45RSNA**

**Dimensions**

Company name  
Contact  
Phone number  
e-mail address

Close coupled

LLM471B14/302



**Dimensions [ mm ]**

a	80
B	218
DNA	50
DNM	32
h1	112
h2	140
Hmax	252
k	98
L	411
n	190
n1	130
x	121

**Weight**

<b>Total weight</b>	<b>15 kg</b>
---------------------	--------------

**Connections**

Suction nozzle		Discharge nozzle	
DN 50		DN 32	
PN 16		PN 16	
EN1092-1		EN1092-1	
D	165	D	140
Dia. Holes	18	Dia. Holes	18
DN	50	DN	32
G	83	G	64
M	125	M	100
Max thickness	16	Max thickness	16

**Dimensions and weight without obligation**

Project **Xlect-20106422**  
Block **ESHE 32-125/11/S25RSNA**

Created by  
Created on **12/16/2024**

Last update **12/16/2024**