

ESHE 25-125/07/S25RSNA

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	m³/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/m³ 1000
6	Inlet pressure	kPa 0	Kin. viscosity at t A	mm²/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		
12	Operating speed	2875 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	kPa 1200	Impeller Ø	Max. mm 128
16	Max. working pressure	kPa 155		designed mm 114
17	Impeller type	Radial impeller		Min. mm 114
18	Head H(Q=0)	m 16	Flow	Nominal m³/h
19	Max. shaft power	kW .7		Max- m³/h 20.8
20	Pump weight	kg		Min- m³/h 7.9
21	Total weight	kg 18.6	Head	Nominal m
				at Qmax m 5.8
				at Qmin m 14.3
			Shaft power	kW
			Efficiency	%
			NPSH 3%	m

Materials				
22		Pump	Shaft Seal	
23	Pump body	Stainless steel / AISI 316L		Single mechanical seal, without shaft sleeve
24	Impeller	Stainless steel / ASTMCF8M		Uniten 3K VBVGG
25	SEAL HOUSING	Stainless steel / AISI 316L		Mechanical seal diameter 22 mm
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 SM		
43	Specific design	IE3 3ph Flange Motor		
44	Type	SM 90R B14 0,75 kW		
45	Rated power	0.75 kW	Rated current	2.94 A
46	Nominal speed	2875 rpm	Rated voltage	230 V
47	Frame size	90R	Service factor	1
48	Weight	kg 9.6	Degree of protection	IP55

Remarks				
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Performance curve

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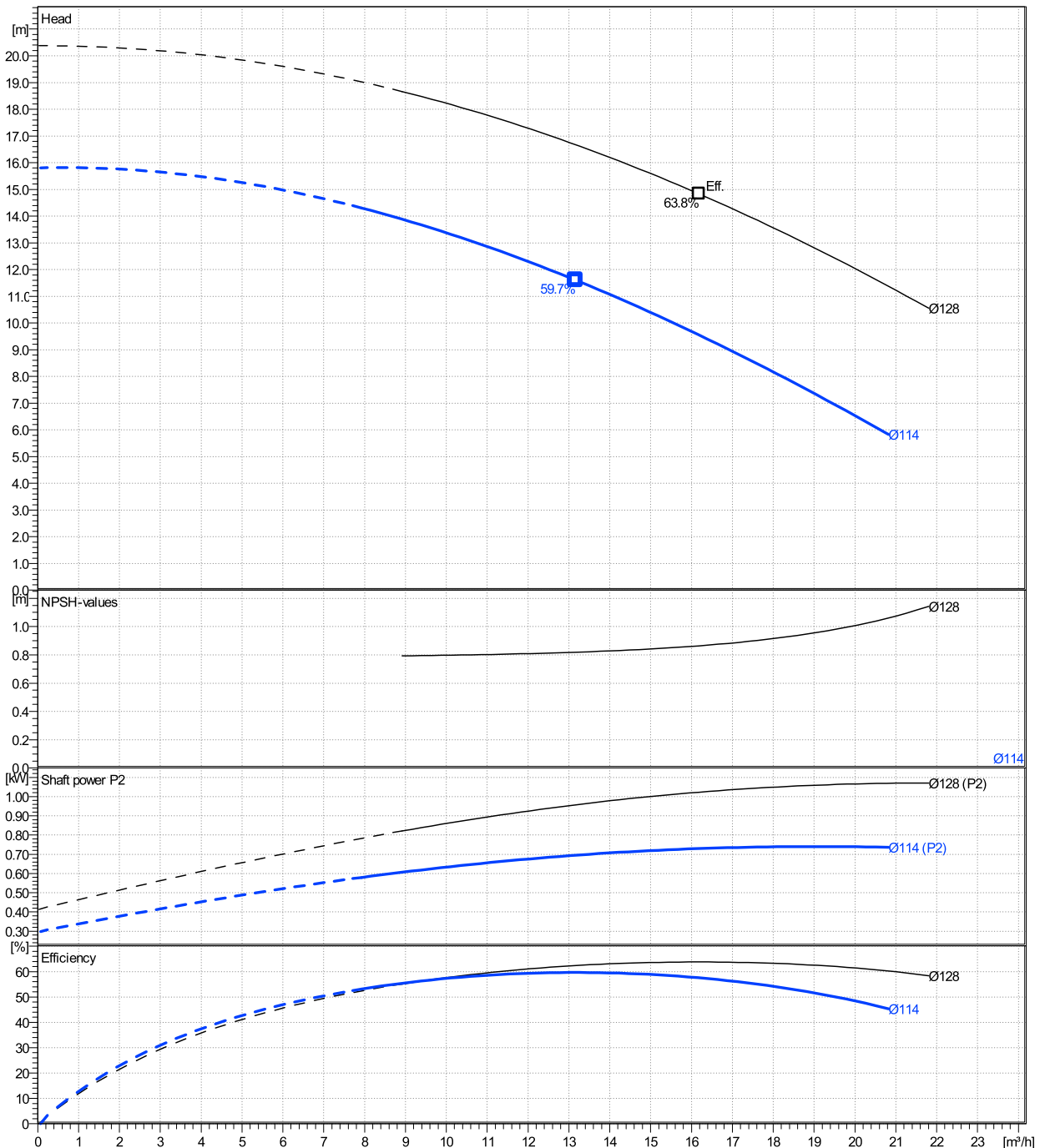
	Ø mm	Pump capacity Operating range			Pump head		Shaft power P2			Frequency	Hz	50
		Min. m³/h	Max. m³/h	η Max. m³/h	H(Q=0) m	η Max. m	P2(Q=0) kW	Max. kW	η Max. kW	Operating speed	rpm	2875
actual	114	7.93	20.8	13.2	15.8	11.6	0.74	0.695	Nominal flow	m³/h	0	
Min.	0	/	/	13.2	15.8	11.6	/	0.695	Nominal head	m	0	
Max.	128	/	/	16.2	20.4	14.8	/	1.02	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



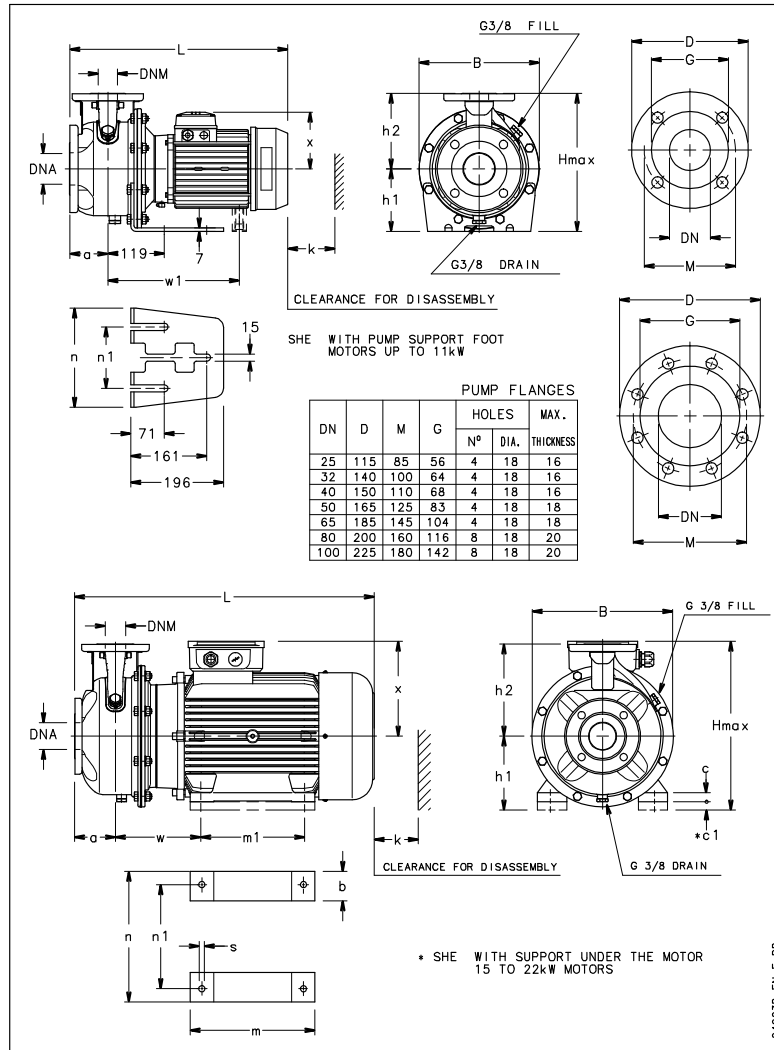
ESHE 25-125/07/S25RSNA

Dimensions

Company name
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Close coupled

SM 90R B14 0,75 kW



Dimensions		[mm]	
a	80		
B	218		
DNA	50		
DNM	25		
h1	160		
h2	140		
Hmax	300		
k	98		
L	443		
n	190		
n1	130		
x	129		

Weight	
Total weight	18.6 kg

Connections			
Suction nozzle		Discharge nozzle	
DN 50		DN 25	
PN 16		PN 16	
EN1092-1		EN1092-1	
D	165	D	115
Dia. Holes	18	Dia. Holes	18
DN	50	DN	25
G	83	G	56
M	125	M	85
Max thickness	16	Max thickness	16

Dimensions and weight without obligation

Project Xlect-20106709
Block ESHE 25-125/11/S25RSNA

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