

ESHS 32-125/11/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	m ³ /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 ³	1000
6	Inlet pressure	kPa	0	Kin. viscosity at t A	mm ² /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	2900 rpm	Stages		1	designed	mm	128			
13	Suction nozzle	DN 50	/	PN 16	/	EN1092-1		Min.	mm	114	
14	Discharge nozzle	DN 32	/	PN 16	/	EN1092-1		Flow	Nominal	m ³ /h	
15	Max. casing pressure	kPa	1200		Head	Max-	m ³ /h		24	Min-	m ³ /h
16	Max. working pressure	kPa	203.5			Shaft power	Nominal	m		at Qmax	m
17	Impeller type	Radial impeller		Efficiency	at Qmin		m	19			
18	Head H(Q=0)	m	21		NPSH 3%						
19	Max. shaft power	kW	1.1								
20	Pump weight	kg									
21	Total weight	kg	24.6								

Materials						
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	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 SM			
43	Specific design	IE3 3ph Flange Motor - Premium Efficiency			
44	Type	SM 80 B5 1,1 kW			
45	Rated power	1.1 kW	Rated current	4.14 A	
46	Nominal speed	2870 rpm	Rated voltage	230 V	
47	Frame size	80	Service factor	1	
48	Weight	kg	10.1	Degree of protection	IP55

Remarks					
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Performance curve

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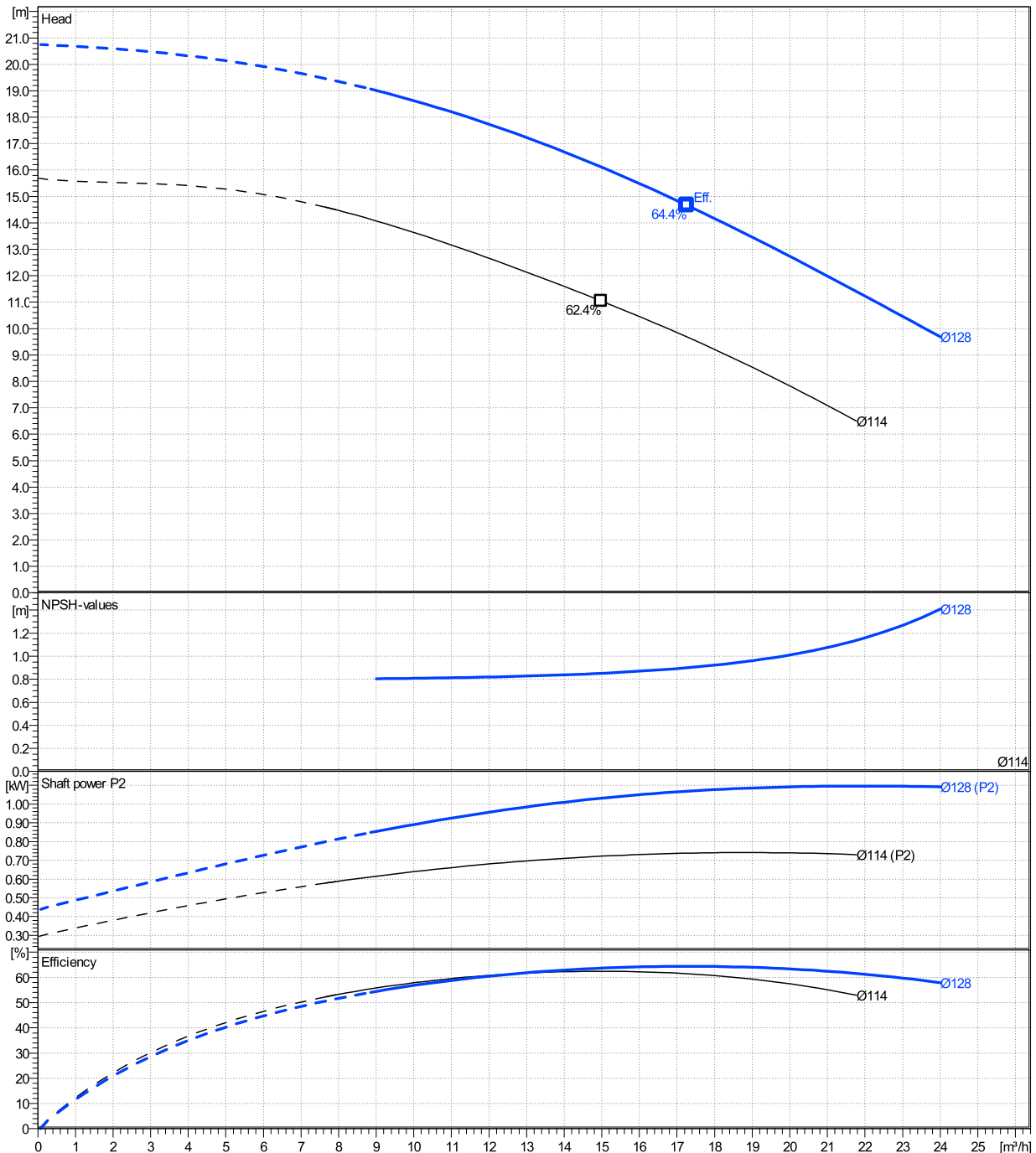
	Ø mm	Pump capacity			Pump head		Shaft power P2			Frequency	Hz	50
		Operating range Min. m³/h	Max. m³/h	η Max. m³/h	H(Q=0) m	η Max. m	P2(Q=0) kW	Max. kW	η Max. kW	Operating speed	rpm	2900
actual	128	9	24	17.3	20.7	14.7	1.1	1.07		Nominal flow	m³/h	0
Min.	0	/	/	15	15.7	11	/	0.722		Nominal head	m	0
Max.	128	/	/	17.3	20.7	14.7	/	1.07		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



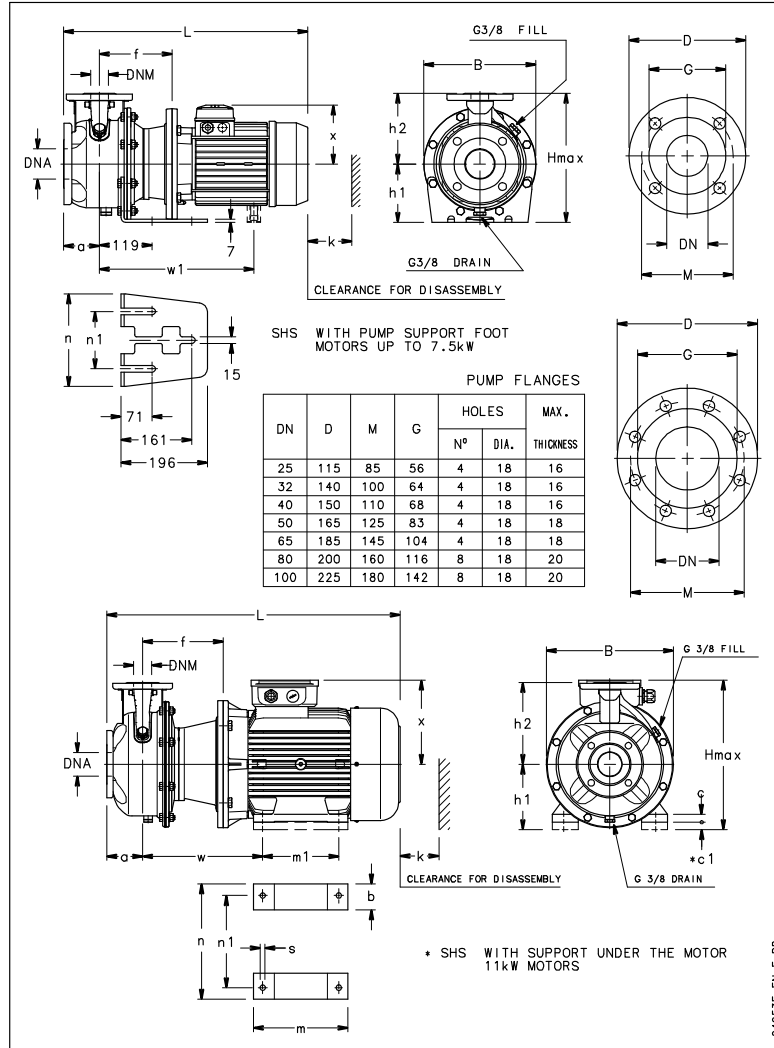
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Dimensions

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Rigid coupling

SM 80 B5 1,1 kW



Dimensions [mm]

a	80
B	218
DNA	50
DNM	32
f	155
h1	112
h2	140
Hmax	252
k	98
L	498
n	190
n1	130
x	129

Weight

Total weight	24.6 kg
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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 Xylect-20117698
Block ESHS 32-125/11/S25RSNA

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