

ESHE 50-125/30/P25RSSA

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
12	Operating speed	2865 rpm	Stages	1		
13	Suction nozzle	DN 65	/	PN 16	/	
14	Discharge nozzle	DN 50	/	PN 16	/	EN1092-1
15	Max. casing pressure	kPa	1200			Flow
16	Max. working pressure	kPa	197.5			
17	Impeller type	Radial impeller				Head
18	Head H(Q=0)	m	20			
19	Max. shaft power	kW	2.8			
20	Pump weight	kg				Shaft power
21	Total weight	kg	33.0			Efficiency
						NPSH 3%

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	
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	
32	Fill/drain plugs	Stainless steel / AISI 316			Fluorine rubber (FKM)	
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Motor data					
Electrical and dimensional data refer to IE3 motor					
42	Manufacturer	Lowara PLM			
43	Specific design	IE3 3ph Flange Motor			
44	Type	PLM 90 B14 3 kW			
45	Rated power	3 kW	Rated current	6.33 A	
46	Nominal speed	2865 rpm	Rated voltage	400 V	
47	Frame size	90	Service factor	1	
48	Weight	kg 21.0	Degree of protection	IP55	

Remarks					
49					
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Performance curve

Company name
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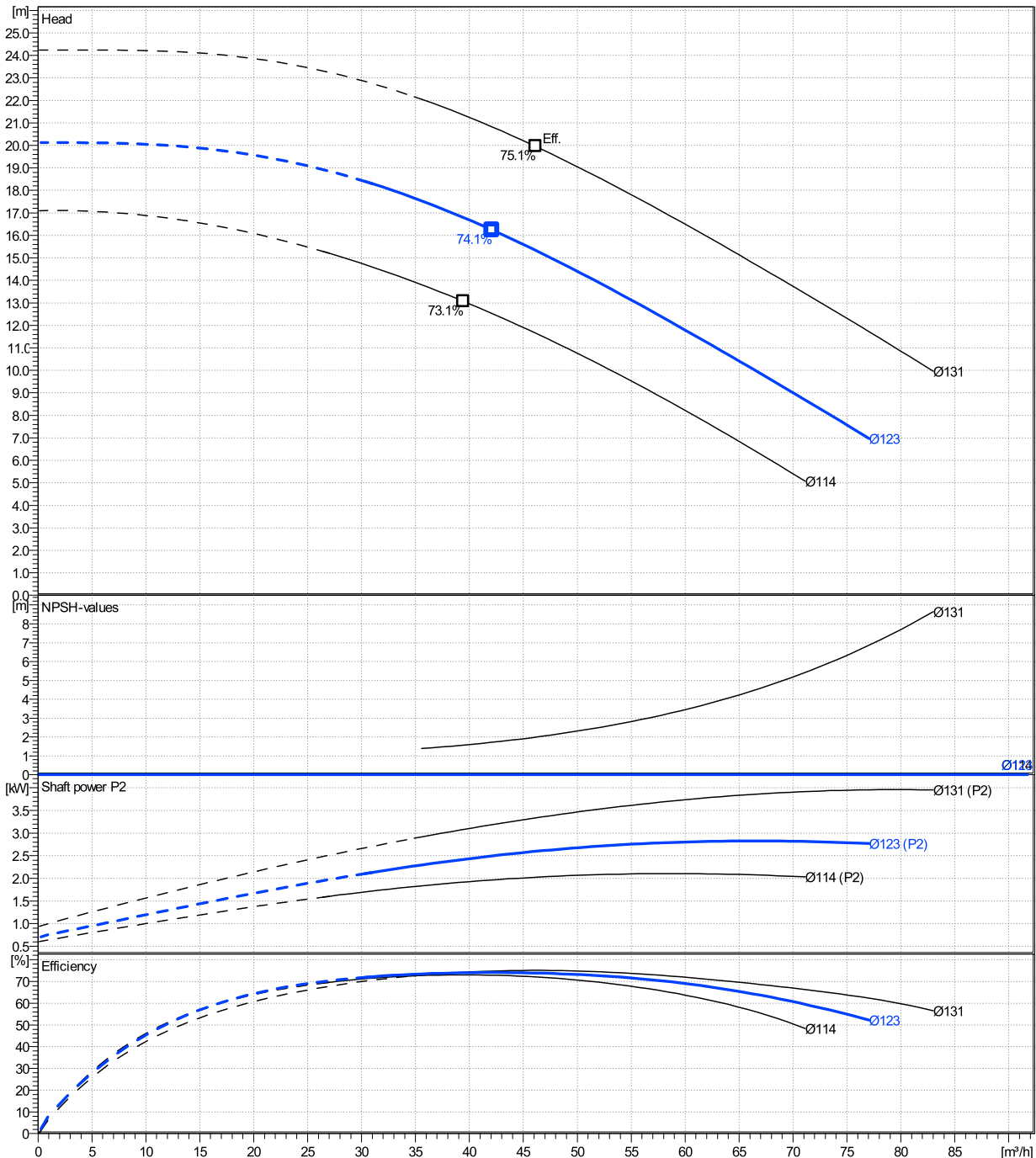
	Ø mm	Pump capacity			Pump head		Shaft power P2			Frequency	Hz	50
		Operating range Min. m³/h	Max. m³/h	η Max. m³/h	H(Q=0) m	η Max. m	P2(Q=0) kW	Max. kW	η Max. kW	Operating speed	rpm	2865
actual	123	31	77.1	42.1	20.1	16.2		2.83	2.5	Nominal flow	m³/h	0
Min.	0	/	/	39.5	17.1	13.1		/	1.92	Nominal head	m	0
Max.	131	/	/	46.1	24.2	20		/	3.34	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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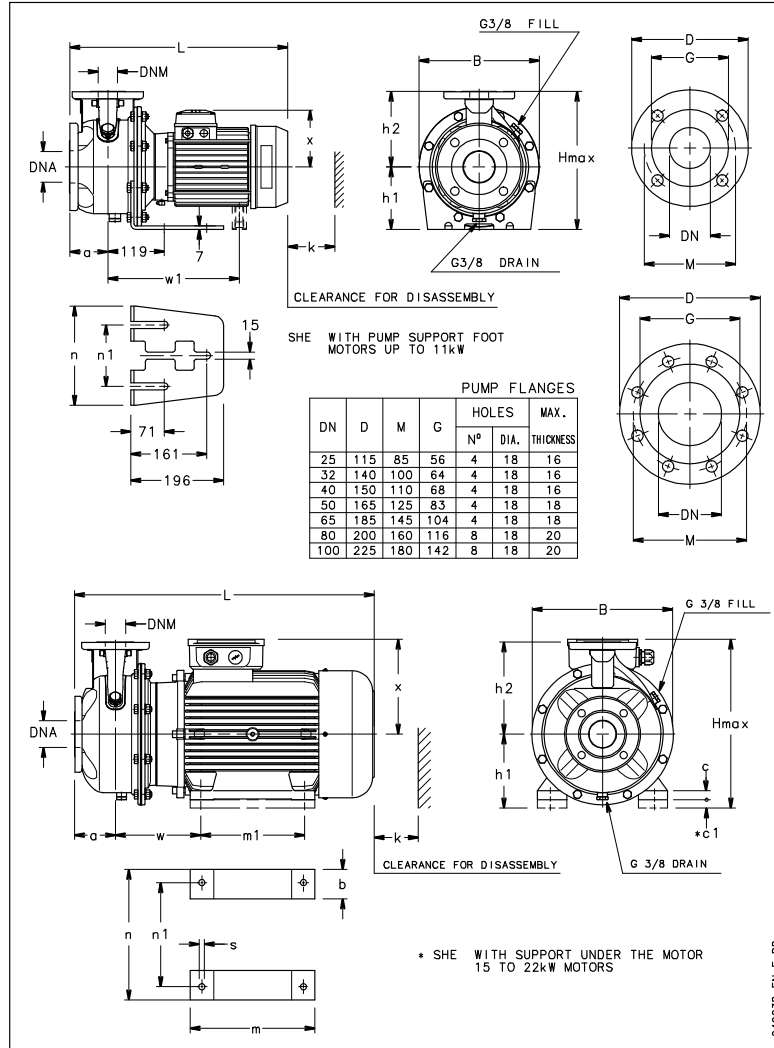
Dimensions

Company name
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e-mail address

Close coupled

PLM 90 B14 3 kW

Electrical and dimensional data refer to IE3 motor



Dimensions [mm]	
a	100
B	253
DNA	65
DNM	50
h1	132
h2	160
Hmax	292
k	104
L	498
n	210
n1	130
x	134

Weight	
Total weight	33 kg

Connections			
Suction nozzle		Discharge nozzle	
DN 65	PN 16	DN 50	PN 16
EN1092-1		EN1092-1	
D	185	D	165
Dia. Holes	18	Dia. Holes	18
DN	65	DN	50
G	104	G	83
M	145	M	125
Max thickness	18	Max thickness	18

Dimensions and weight without obligation

Project	Xlect-20106422	Created by		Last update	12/16/2024
Block	ESHE 50-125/40/P25VSSA	Created on	12/16/2024		