

ESHE 25-160/22/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	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	2880 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 154
16	Max. working pressure	kPa 295.9		designed mm 154
17	Impeller type	Radial impeller		Min. mm 141
18	Head H(Q=0)	m 30	Flow	Nominal m³/h
19	Max. shaft power	kW 2.1		Max- m³/h 25.3
20	Pump weight	kg		Min- m³/h 8.9
21	Total weight	kg 29.0	Head	Nominal m
				at Qmax m 14.8
				at Qmin m 28.8
			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 / AISI 316L	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

Electrical and dimensional data refer to IE3 motor

42	Manufacturer	Lowara PLM		
43	Specific design	IE3 3ph Flange Motor		
44	Type	PLM 90 B14 2,2 kW		
45	Rated power	2.2 kW	Rated current	7.9 A
46	Nominal speed	2880 rpm	Rated voltage	230 V
47	Frame size	90	Service factor	1
48	Weight	kg 18.0	Degree of protection	IP55

Remarks

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Block	ESHE 25-160/22/P25RSSA	Created on	12/16/2024		

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Performance curve

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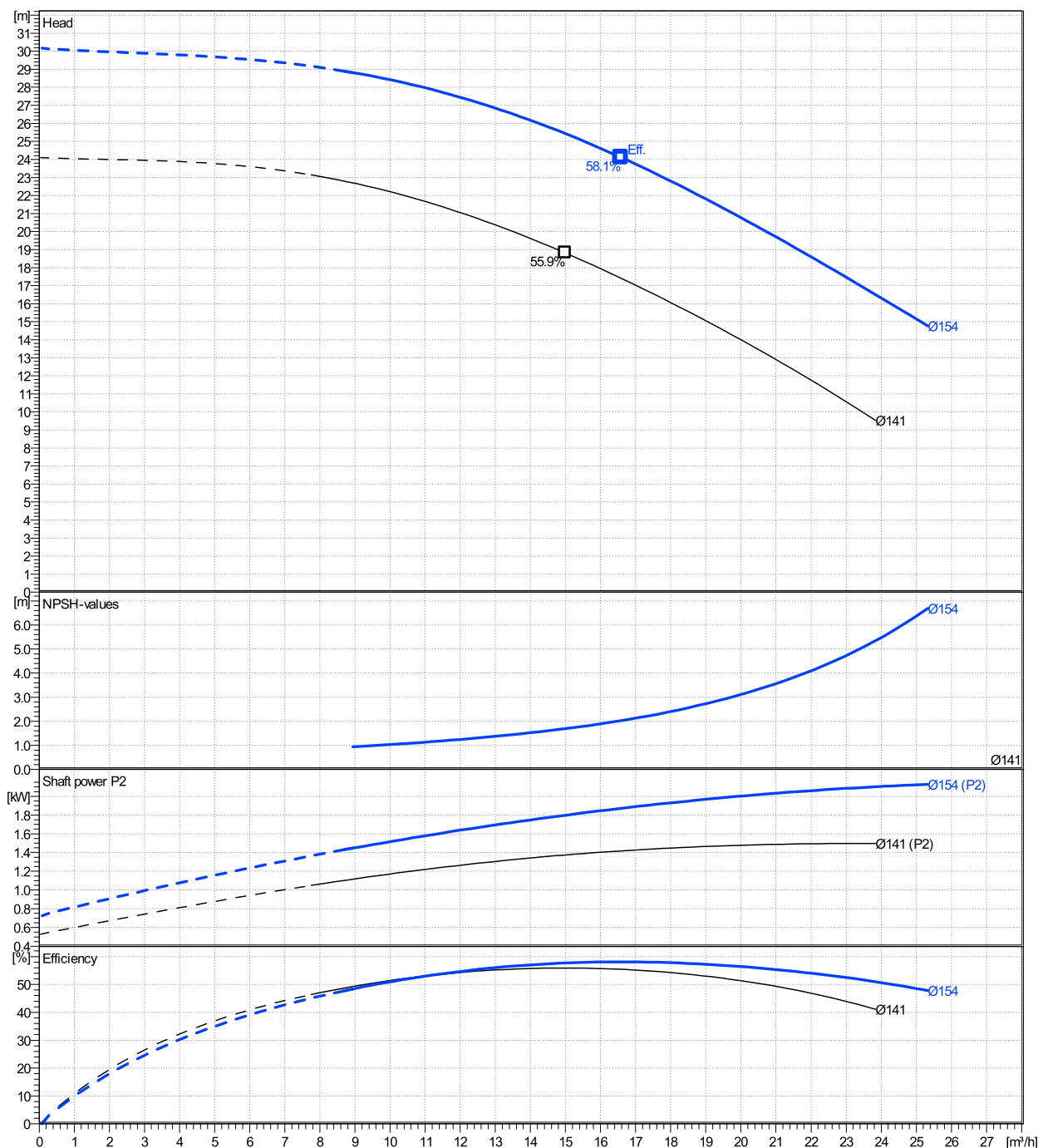
	Ø mm	Pump capacity Operating range			Pump head η		Shaft power P2 η			Frequency	Hz	50
		Min. m³/h	Max. m³/h	Max. m³/h	H(Q=0) m	Max. m	P2(Q=0) kW	Max. kW	Max. kW	Operating speed	rpm	2880
actual	154	8.94	25.3	16.6	30.2	24.1		2.13	1.87	Nominal flow	m³/h	0
Min.	0	/	/	15	24.1	18.8		/	1.37	Nominal head	m	0
Max.	154	/	/	16.6	30.2	24.1		/	1.87	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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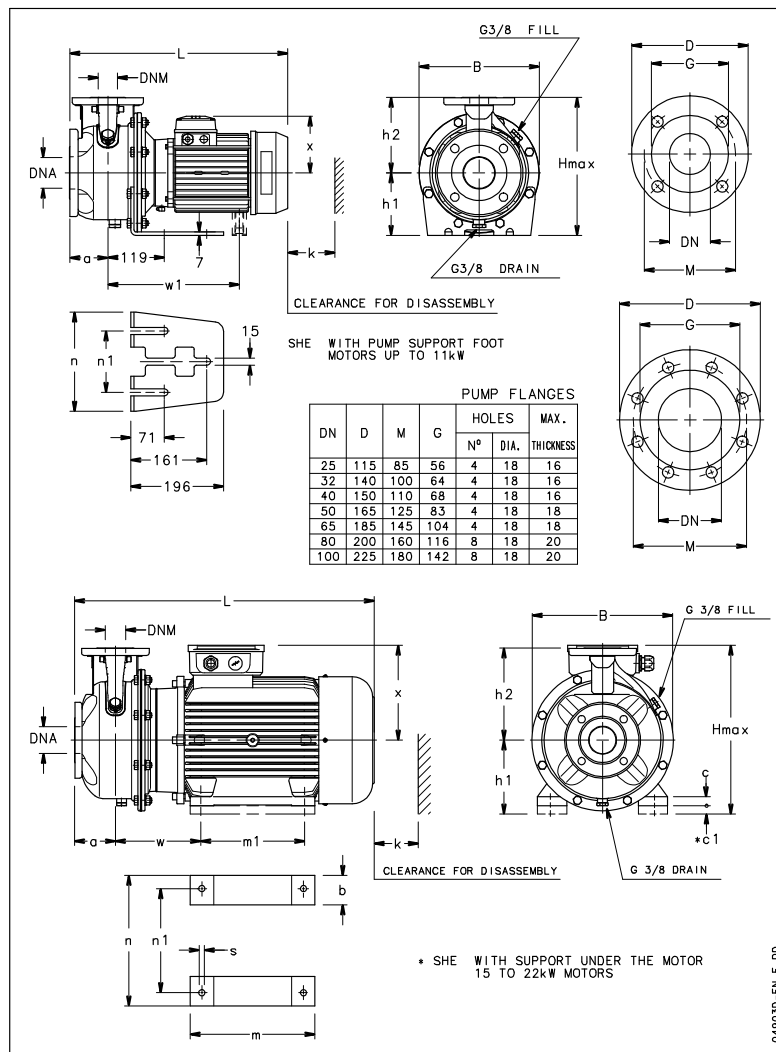
Dimensions

Company name
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Close coupled

PLM 90 B14 2,2 kW

Electrical and dimensional data refer to IE3 motor



Dimensions [mm]

a	80
B	253
DNA	50
DNM	25
h1	160
h2	160
Hmax	320
k	98
L	478
n	210
n1	130
x	134

Weight

Total weight	29 kg
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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 18	Max thickness 16

Dimensions and weight without obligation

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