

ESHE 32-160/22/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 32 /	PN 16 /	EN1092-1
15	Max. casing pressure	kPa 1200	Impeller Ø	Max. mm 154
16	Max. working pressure	kPa 297.7		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 26.8
20	Pump weight	kg		Min- m³/h 8.9
21	Total weight	kg 29.0	Head	Nominal m
				at Qmax m 15.4
				at Qmin m 29.3
			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 / 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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Project	Xylect-20106422	Created by		Last update	12/16/2024
Block	ESHE 32-160/22/P25RSSA	Created on	12/16/2024		

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Performance curve

Company name
Contact
Phone number
e-mail address

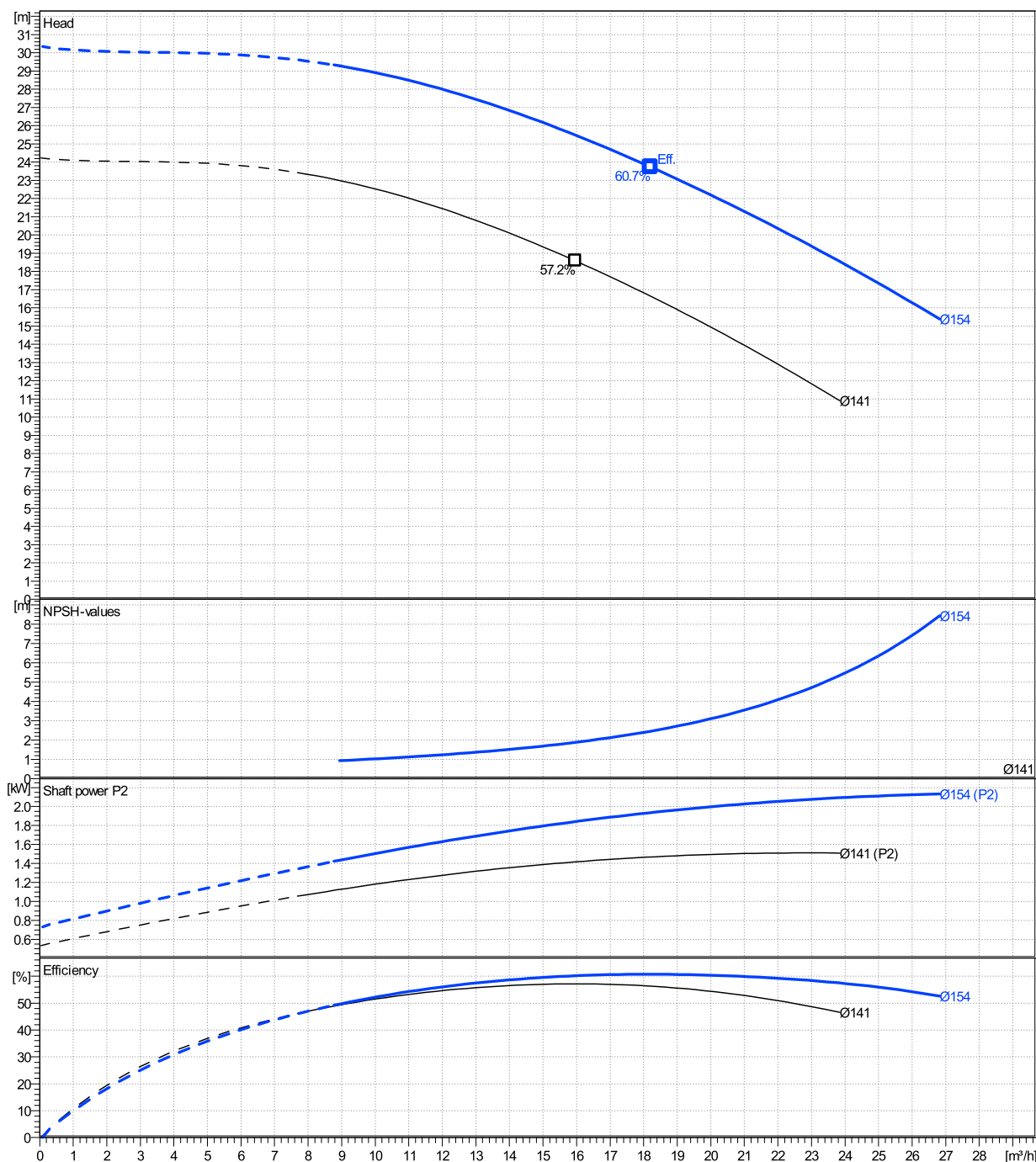
	Ø mm	Pump capacity Operating range			Pump head H(Q=0)		Shaft power P2			Frequency		Hz
		Min. m³/h	Max. m³/h	η m³/h	Max. m	η m	P2(Q=0) kW	Max. kW	η kW	Operating speed	rpm	
actual	154	8.94	26.8	18.2	30.3	23.7		2.13	1.94	Nominal flow	m³/h	0
Min.	0	/	/	16	24.2	18.6		/	1.42	Nominal head	m	0
Max.	154	/	/	18.2	30.3	23.7		/	1.94	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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Created on 12/16/2024

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Program version
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Data version
02/12/2024 16:17

User group(s)
Xylem: United Kingdom - EXT

ESHE 32-160/22/P25RSSA

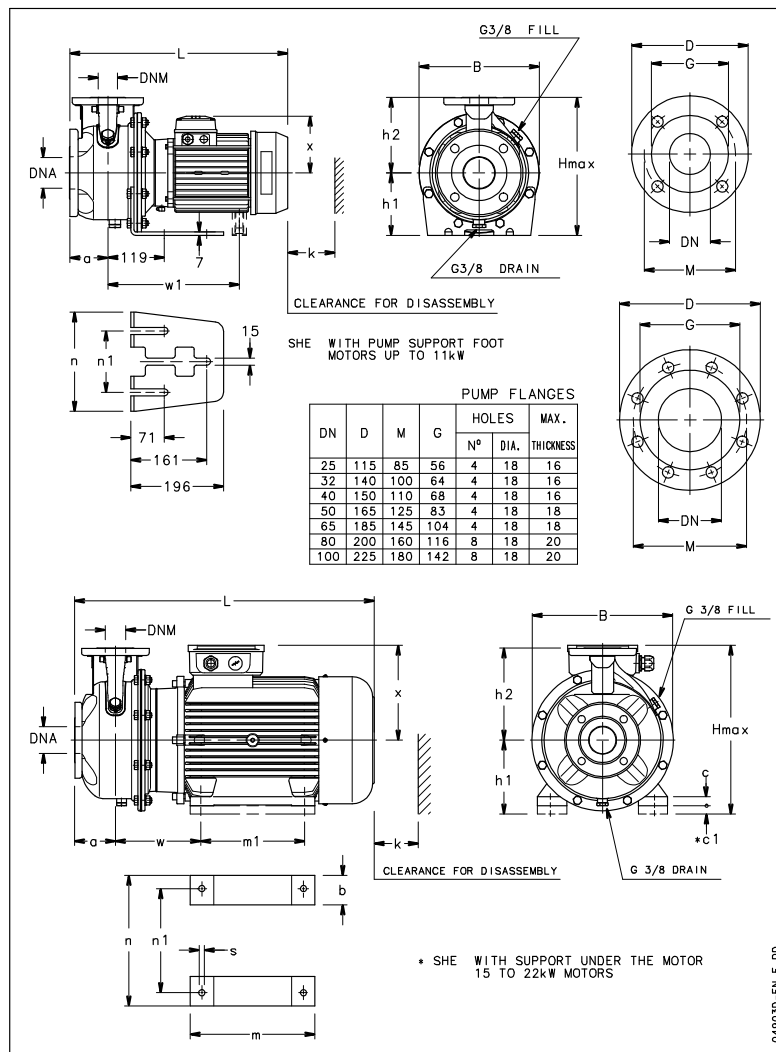
Dimensions

Company name
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Phone number
e-mail address

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	32		
h1	132		
h2	160		
Hmax	292		
k	98		
L	478		
n	210		
n1	130		
x	134		

Weight	
Total weight	29 kg

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

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