

ESHS 32-160/15/S25RSSA**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		Impeller Ø	Max.	mm 154
12	Operating speed	2900 rpm	Stages 1		designed	mm 141
13	Suction nozzle	DN 50 /	PN 16 /		Min.	mm 141
14	Discharge nozzle	DN 32 /	PN 16 /	Flow	Nominal	m³/h
15	Max. casing pressure	kPa 1200			Max-	m³/h 24
16	Max. working pressure	kPa 241			Min-	m³/h 8
17	Impeller type	Radial impeller		Head	Nominal	m
18	Head H(Q=0)	m 25			at Qmax	m 11.1
19	Max. shaft power	kW 1.5			at Qmin	m 23.7
20	Pump weight	kg		Shaft power	kW	
21	Total weight	kg 27.4		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	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 90R B5 1,5 kW			
45	Rated power	1.5 kW	Rated current	5.49 A	
46	Nominal speed	2870 rpm	Rated voltage	230 V	
47	Frame size	90R	Service factor	1	
48	Weight	kg 11.9	Degree of protection	IP55	

Remarks

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Block	ESHS 32-160/22/P25RSSA	Created on	12/18/2024		

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Performance curve

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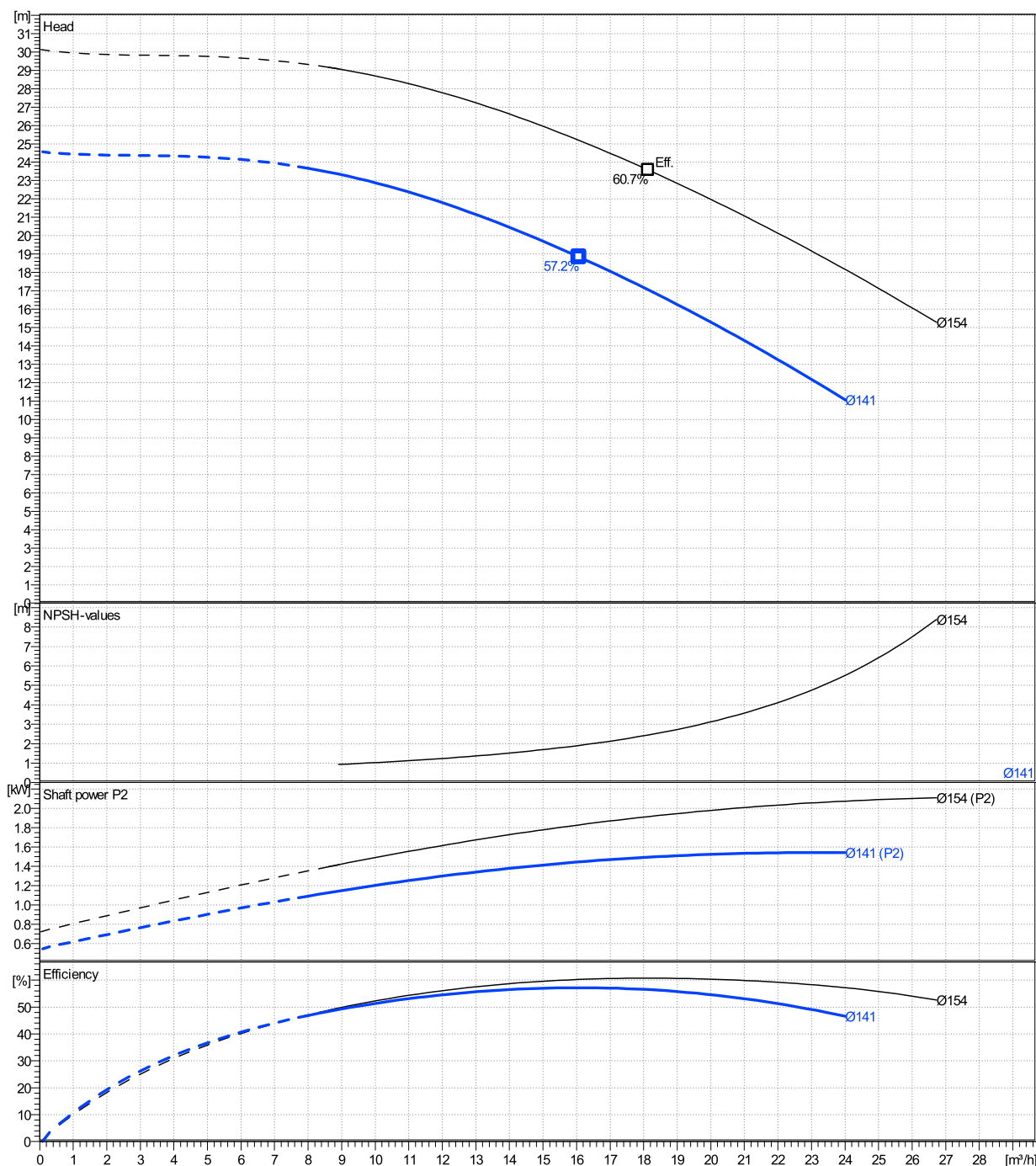
	Ø mm	Pump capacity Operating range Min. Max. η m³/h m³/h m³/h			Pump head H(Q=0) η m m		Shaft power P2 P2(Q=0) Max. η kW kW kW			Frequency Hz 50	
		Min.	Max.	Max.	H(Q=0)	η	P2(Q=0)	Max.	η	Operating speed rpm	Nominal flow m³/h
actual	141	8	24	16.1	24.6	18.8		1.54	1.45		0
Min.	0	/	/	16.1	24.6	18.8		/	1.45		0
Max.	154	/	/	18.1	30.1	23.6		/	1.92		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



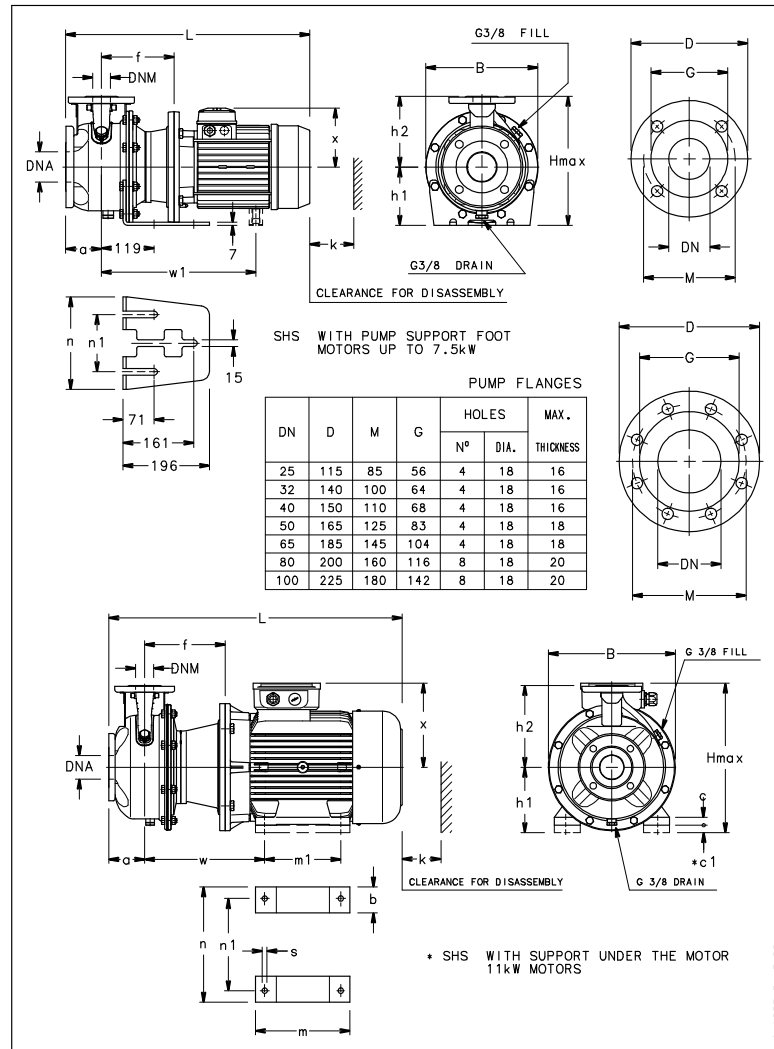
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Dimensions

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Rigid coupling

SM 90R B5 1,5 kW



Dimensions		[mm]	
a	80		
B	253		
DNA	50		
DNM	32		
f	155		
h1	132		
h2	160		
Hmax	292		
k	98		
L	498		
n	210		
n1	130		
x	129		

Weight	
Total weight	27.4 kg

Connections	
Suction nozzle	Discharge nozzle
DN 50	DN 32
PN 16	PN 16
EN1092-1	EN1092-1
D	165
Dia. Holes	18
DN	50
G	83
M	125
Max thickness	16
D	140
Dia. Holes	18
DN	32
G	64
M	100
Max thickness	16

Dimensions and weight without obligation

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