

LNEE 32-160/15/S25RCS4

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 / -25
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	In-Line single head		Impeller Ø
12	Operating speed	2900 rpm	Stages 1	
13	Suction nozzle	DN 32 /	PN 16 /	EN1092-2
14	Discharge nozzle	DN 32 /	PN 16 /	EN1092-2
15	Max. casing pressure	kPa		Flow
16	Max. working pressure	kPa 207.2		
17	Impeller type	Radial impeller		Head
18	Head H(Q=0)	m 21		
19	Max. shaft power	kW 1.5		Shaft power
20	Pump weight	kg		Efficiency
21	Total weight	kg 33.0		NPSH 3%

Materials				
22		Pump		Shaft Seal
23	Volute Casing	Cast iron		Single mechanical seal, without shaft sleeve
24	Casing Cover	Cast iron		eMG12 - Ø14mm
25	Impeller	Stainless steel / AISI 304		Mechanical seal diameter
26	Stub shaft	Stainless steel / AISI 316L		14 mm
27	Wear ring	Stainless steel / AISI 304		1. Rotating ring
28	Impeller lock nut and washer	Stainless steel / AISI 304		Carbon graphite resin impregnated
29	Impeller key	Stainless steel / AISI 316L		2. Stationary ring
30	Fill and drain plugs	Nickel-plated brass		SiC, silicon carbide, sintered press. less
31				3. Secondary seal
32				Ethylene propylene rubber (EPDM)
33				4. Springs
34				CrNiMo - Steel
35				5. Others
36				EPDM - WRAS
37				Gaskets of the pump
38				Ethylene propylene rubber (EPDM)
39				
40				
41				

Motor data				
42	Manufacturer	Lowara		
43	Specific design	IE3 3ph Flange Motor		
44	Type	SM 90R B14 1,5 kW		
45	Rated power	1.5 kW	Rated current	3.17 A
46	Nominal speed	2870 rpm	Rated voltage	400 V
47	Frame size	90R	Service factor	1
48	Weight	kg 13.4	Degree of protection	IP55

Remarks				
49				
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50				
52				

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Performance curve

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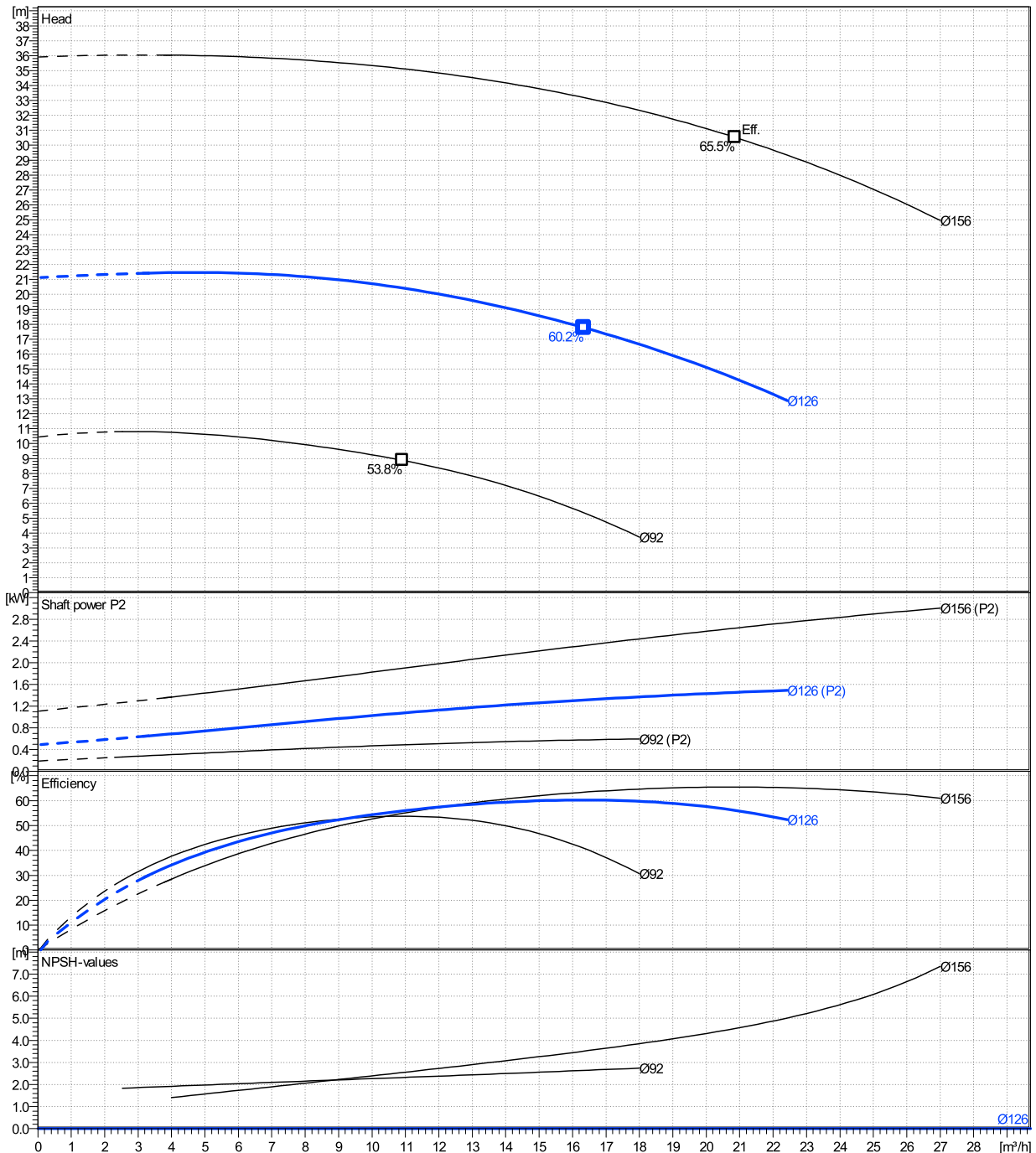
	Ø mm	Pump capacity			Pump head		Shaft power P2			Frequency		Hz	50
		Operating range Min. m³/h	Max. m³/h	η Max. m³/h	H(Q=0) m	η Max. m	P2(Q=0) kW	Max. kW	η Max. kW	Operating speed rpm	Nominal flow m³/h		
actual	126	3.32	22.4	16.3	21.1	17.8	1.49	1.32			0	2900	
Min.	0	/	/	10.9	10.4	8.88	/	0.491			0	0	
Max.	156	/	/	20.9	35.9	30.5	/	2.64			0	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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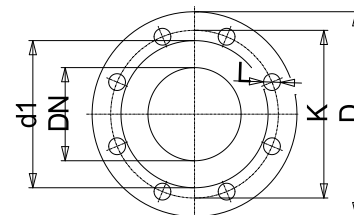
Close coupled

SM 90R B14 1,5 kW

Dimensions		[mm]	
AD	129		
b1	123		
Bmax	249		
DND	32		
DNS	32		
e	90		
H	320		
h1	160		
h2	160		
L	453		
p	155		
x	75		

Weight	
Total weight	33 kg

Connections			
Suction nozzle		Discharge nozzle	
DN 32		DN 32	
PN 16		PN 16	
EN1092-2		EN1092-2	
C	18	C	18
D	140	D	140
df	76	df	76
DN	32	DN	32
K	100	K	100
L	4 x 19	L	4 x 19



Value C, D may vary from Standard

Dimensions and weight without obligation

Project	Xlect-20944784	Created by		Last update	8/2/2023
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