

LNEE 32-160/11/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	Max.	mm	156			
12	Operating speed	2900 rpm	Stages		1	designed	mm	115		
13	Suction nozzle	DN 32	/	PN 16	/	EN1092-2	Min.	mm	92	
14	Discharge nozzle	DN 32	/	PN 16	/	EN1092-2	Flow	Nominal	m ³ /h	
15	Max. casing pressure	kPa						Max-	m ³ /h	20.7
16	Max. working pressure	kPa	159.4				Min-	m ³ /h	3.1	
17	Impeller type	Radial impeller		Head	Nominal	m				
18	Head H(Q=0)	m	16		at Qmax	m	9.1			
19	Max. shaft power	kW	1.1	Shaft power	kW					
20	Pump weight	kg		Efficiency	%					
21	Total weight	kg	32.0	NPSH 3%	m					

Materials					
22		Pump		Shaft Seal	
23	Volute Casing	Cast iron		Single mechanical seal, without shaft sleeve	
24	Casing Cover	Cast iron		eMG12 - Ø14mm	BQ7EGG-WA
25	Impeller	Stainless steel / AISI 304		Mechanical seal diameter	14 mm
26	Stub shaft	Stainless steel / AISI 316L		1. Rotating ring	Carbon graphite resin impregnated
27	Wear ring	Stainless steel / AISI 304		2. Stationary ring	SiC, silicon carbide, sintered press.less
28	Impeller lock nut and washer	Stainless steel / AISI 304		3. Secondary seal	Ethylene propylene rubber (EPDM)
29	Impeller key	Stainless steel / AISI 316L		4. Springs	CrNiMo - Steel
30	Fill and drain plugs	Nickel-plated brass		5. Others	EPDM - WRAS
31				Gaskets of the pump	Ethylene propylene rubber (EPDM)
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Motor data					
42	Manufacturer	Lowara			
43	Specific design	IE3 3ph Flange Motor			
44	Type	SM 90R B14 1,1 kW			
45	Rated power	1.1 kW	Rated current	2.39 A	
46	Nominal speed	2870 rpm	Rated voltage	400 V	
47	Frame size	90R	Service factor	1	
48	Weight	kg 11.5	Degree of protection	IP55	

Remarks					
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Performance curve

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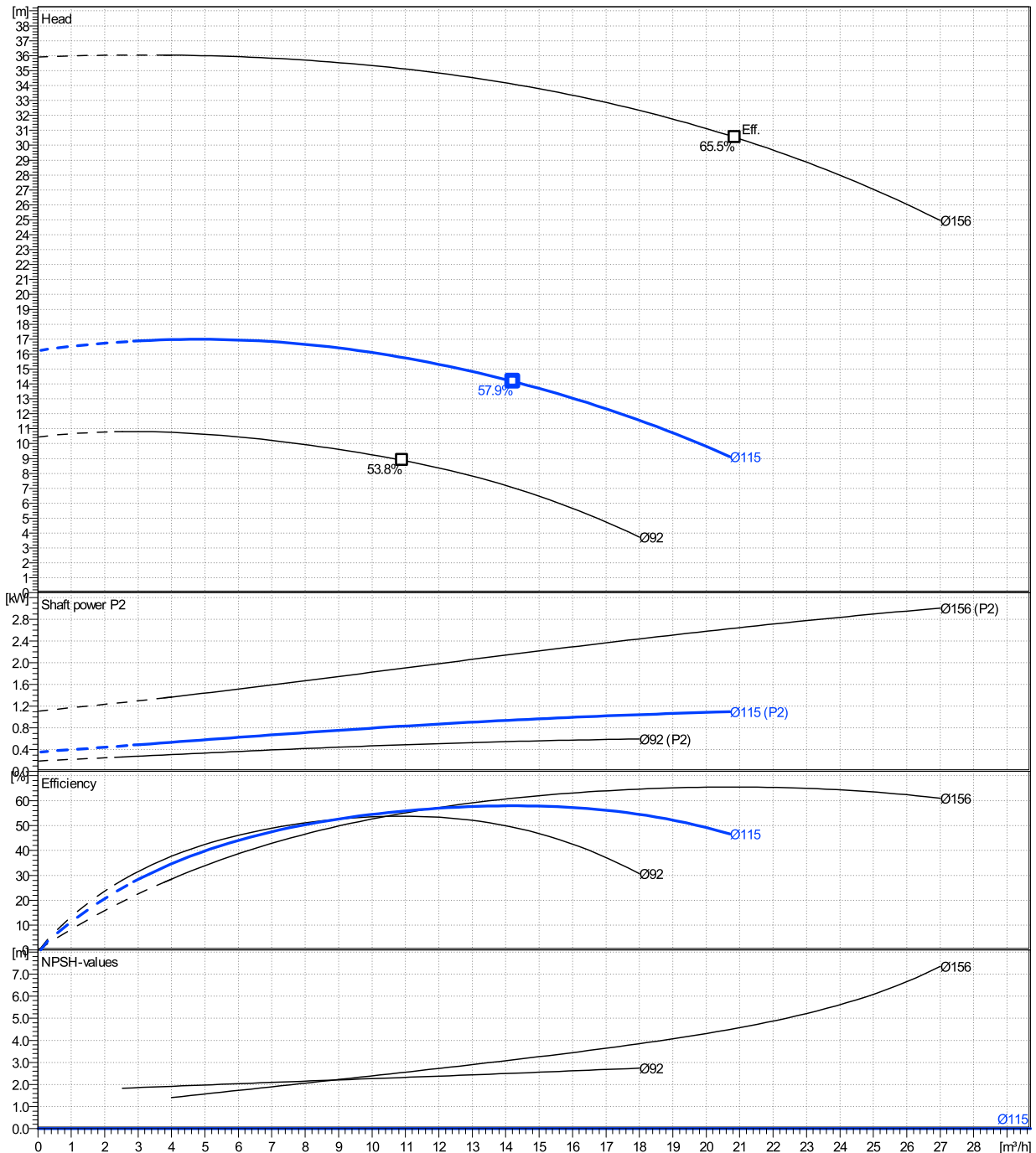
	Ø mm	Pump capacity			Pump head		Shaft power P2			Frequency		Hz	50
		Operating range Min. m³/h	Max. m³/h	η Max. m³/h	H(Q=0) m	η Max. m	P2(Q=0) kW	Max. kW	η Max. kW	Operating speed rpm	2900		
actual	115	3.07	20.7	14.2	16.3	14.2		1.1	0.946	Nominal flow	m³/h	0	
Min.	0	/	/	10.9	10.4	8.88		/	0.491	Nominal head	m	0	
Max.	156	/	/	20.9	35.9	30.5		/	2.64	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

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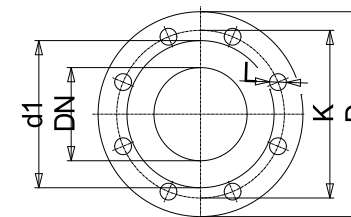
Close coupled

SM 90R B14 1,1 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	32 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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