

# NSCE 65-125/92/P25VCC4

## 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	K 277
3	Nominal flow	m <sup>3</sup> /h	128	Max / Min Operating Temperature mech. Seal	K 120 / -25
4	Nominal head	m	21.18	pH-value at t A	7
5	Static head	m	0	Density at t A	kg/m <sup>3</sup> 1000
6	Inlet pressure	kPa	0	Kin. viscosity at t A	mm <sup>2</sup> /s 1.569
7	Environmental temperature	K	293	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	2 poles motor				
11	Design	Horizontal				
12	Operating speed	2920 1/min	Stages	1		
13	Suction nozzle	DN 80 /	PN 16 /	EN1092-2		
14	Discharge nozzle	DN 65 /	PN 16 /	EN1092-2		
15	Max. casing pressure	kPa		Impeller Ø	Max. mm 148	
16	Max. working pressure	kPa	281.7		designed mm 146	
17	Impeller type	Radial impeller			Flow	Min. mm 113
18	Head H(Q=0)	m	29	Nominal m <sup>3</sup> /h 128.1		
19	Max. shaft power	kW	9.5	Head	Max- m <sup>3</sup> /h 177.2	
20	Pump weight	kg			Min- m <sup>3</sup> /h 35.5	
21	Total weight	kg	88.0	Shaft power	Nominal m 21.2	
					at Qmax m 13	
				Efficiency	at Qmin m 28.7	
					kW 9.1	
				NPSH 3%	% 80.7	
					m	

Materials					
22		Pump		Shaft Seal	
23	Volute Casing	Cast Iron		Single mechanical seal, without shaft sleeve	
24	Casing Cover	Cast Iron		eMG12 - Ø22mm	BQ7EGG-WA
25	Impeller	Cast Iron		Mechanical seal diameter	22 mm
26	Shaft	Stainless steel		1. Rotating ring	Carbon graphite resin impregnated
27	Wear ring	Stainless steel		2. Stationary ring	SiC, silicon carbide, sintered press.less
28	Impeller lock nut and washer	Stainless steel		3. Secondary seal	Ethylene propylene rubber (EPDM)
29	Impeller key	Stainless steel		4. Springs	CrNiMo - Steel
30	Fill and drain plugs	Stainless steel		5. Others	EPDM - WRAS
31				Gaskets of the pump	Ethylene propylene rubber (EPDM)
32					
33					
34					
35					
36					
37					
38					
39					
40					
41					

Motor data					
Electrical and dimensional data refer to IE3 motor					
42	Manufacturer	Lowara			
43	Specific design	IE3 3ph Flange Motor			
44	Type	PLM 132 B14 9,2 kW			
45	Rated power	9.2 kW	Rated current	17.4 A	
46	Nominal speed	2920 1/min	Rated voltage	400 V	
47	Frame size	132	Service factor	1	
48	Weight	kg 70.4	Degree of protection	IP55	

Remarks					
49					
50					
50					
52					

Project Block	Block: 2	Created by	Vilius Marma	Last update	12/14/2023
		Created on	12/14/2023		

# NSCE 65-125/92/P25VCC4

## Performance curve

Company name  
Contact  
Phone number  
e-mail address

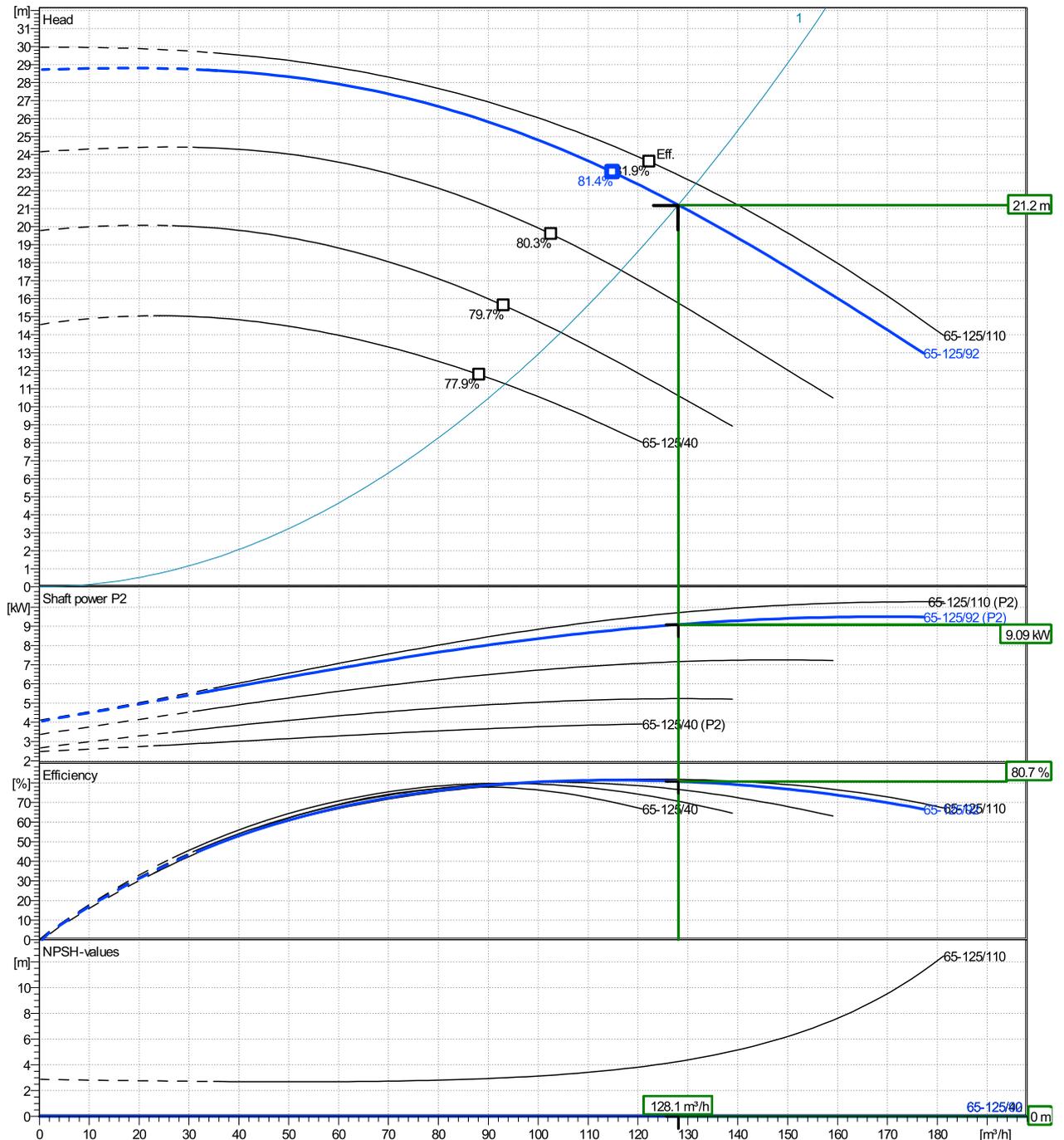
	Ø mm	Pump capacity			Pump head		Shaft power P2			Frequency		Hz	50
		Operating range Min. m³/h	Max. m³/h	η Max. m³/h	H(Q=0) m	η Max. m	P2(Q=0) kW	Max. kW	η Max. kW	Operating speed 1/min	Nominal flow m³/h		
actual	146	35.5	177	115	28.7	23	9.5	8.79		2920	128	21.18	
Min.	0	/	/	88.2	14.6	11.8	/	3.65				0	
Max.	148	/	/	122	30	23.6	/	9.56				0	

**Power datas referred to:**

hydr. Performance acceptance acc. To EN ISO 9906 Class Grade 3B

Water, pure [100%] ; 277K; 1000kg/m³; 1.57mm²/s

MEI: N.A - according to Ecodesign Directive 2009/125/EC and Regulation (EU) No.547/2012



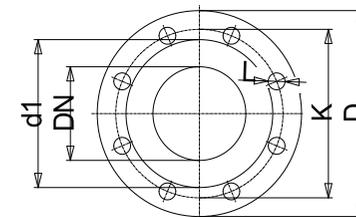
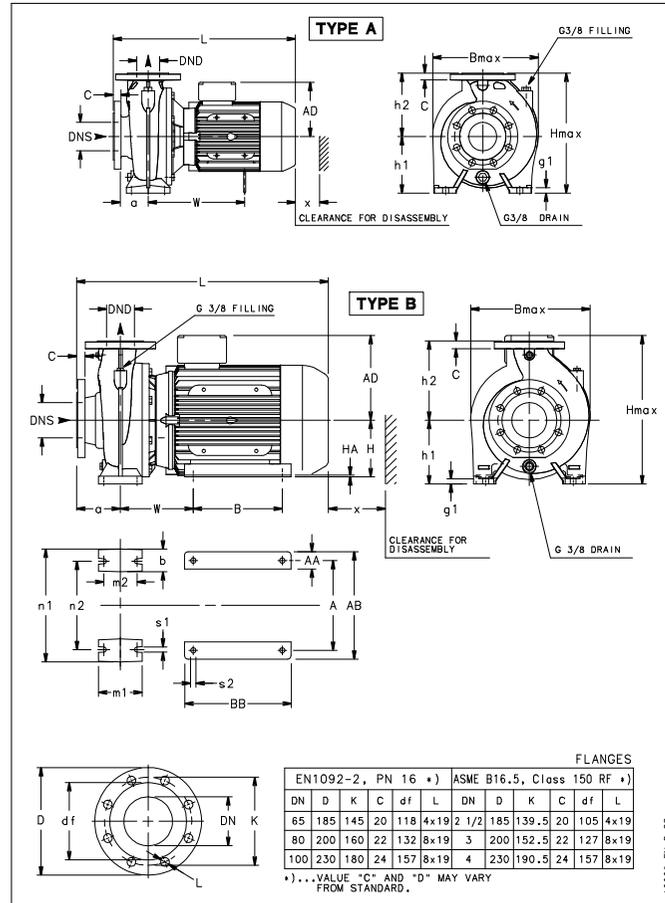
**NSCE 65-125/92/P25VCC4**

**Dimensions**

Company name  
Contact  
Phone number  
e-mail address

Extended shaft  
2 poles motor  
PLM 132 B14 9,2 kW

Electrical and dimensional data refer to IE3 motor



Value C, D may vary from Standard

**Dimensions [ mm ]**

a	100
AD	191
B max	300
b	65
DND	65
DNS	80
g1	16
H max	351
h1	160
h2	180
L	607
m1	125
m2	95
n1	280
n2	212
s1	14
Type	A
W	345
x	100

**Weight**

<b>Total weight</b>	<b>88 kg</b>
---------------------	--------------

**Connections**

Suction nozzle		Discharge nozzle	
<b>DN 80</b>		<b>DN 65</b>	
<b>PN 16</b>		<b>PN 16</b>	
<b>EN1092-2</b>		<b>EN1092-2</b>	
C	22	C	20
D	200	D	185
df	132	df	118
DN	80	DN	65
K	160	K	145
L	8 x 19	L	4 x 19

**Dimensions and weight without obligation**

<b>Project</b>		<b>Created by</b>	Vilius Marna	<b>Last update</b>	12/14/2023
<b>Block</b>	Block: 2	<b>Created on</b>	12/14/2023		