

NSCS 65-160/15/P45RCC4

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 / -25
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	4 poles motor		
11	Design	Horizontal		
12	Operating speed	1450 rpm	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		
16	Max. working pressure	kPa 80.1		
17	Impeller type	Radial impeller		
18	Head H(Q=0)	m 8.2		
19	Max. shaft power	kW 1.2		
20	Pump weight	kg		
21	Total weight	kg 62.0		

Impeller Ø	Max.	mm	180
	designed	mm	159
	Min.	mm	145
	Nominal	m³/h	
Flow	Max-	m³/h	76
	Min-	m³/h	15
	Nominal	m	
Head	at Qmax	m	4.1
	at Qmin	m	8.1
	Shaft power	kW	
	Efficiency	%	
	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 - Ø28mm
25	Impeller	Cast Iron		BQ7EGG-WA
26	Shaft	Stainless steel		Mechanical seal diameter
27	Wear ring	Stainless steel		28 mm
28	Impeller lock nut and washer	Stainless steel		1. Rotating ring
29	Impeller key	Stainless steel		Carbon graphite resin impregnated
30	Fill and drain plugs	Stainless steel		2. Stationary ring
31				SiC, silicon carbide, sintered press.less
32				3. Secondary seal
33				Ethylene propylene rubber (EPDM)
34				4. Springs
35				CrNiMo - Steel
36				5. Others
37				EPDM - WRAS
38				Gaskets of the pump
39				Ethylene propylene rubber (EPDM)
40				
41				

Motor data

Electrical and dimensional data refer to IE3 motor

42	Manufacturer	Lowara		
43	Specific design	IE3 3ph Flange Motor - Premium Efficiency		
44	Type	PLM 90 B5 1,5 kW		
45	Rated power	1.5 kW	Rated current	3.7 A
46	Nominal speed	1440 rpm	Rated voltage	400 V
47	Frame size	90	Service factor	1
48	Weight	kg 22.6	Degree of protection	IP55

Remarks

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Project	Xylect-20260347	Created by		Last update	11/27/2024
Block	NSCS 65-160/185/P25VCC4	Created on	11/27/2024		

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Performance curve

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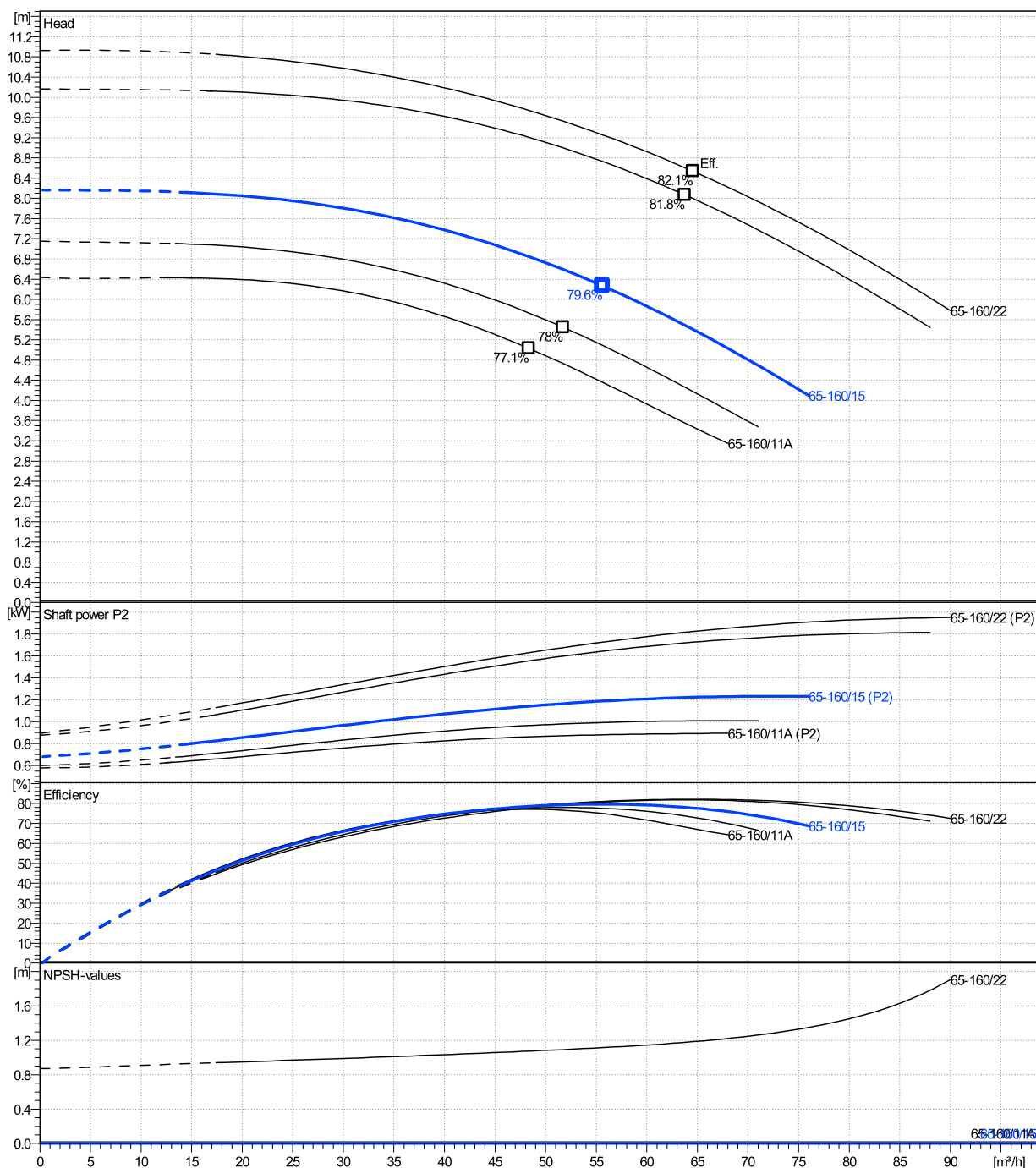
	Ø mm	Pump capacity Operating range			Pump head		Shaft power P2			Frequency		Hz
		Min. m³/h	Max. m³/h	η Max. m³/h	H(Q=0) m	η Max. m	P2(Q=0) kW	Max. kW	η Max. kW	Operating speed	rpm	
actual	159	15	76	55.6	8.16	6.27		1.23	1.19	Nominal flow	m³/h	0
Min.	0	/	/	48.4	6.43	5.03		/	0.863	Nominal head	m	0
Max.	180	/	/	64.6	10.9	8.53		/	1.82	Inlet pressure	kPa	0
										Static head	m	0

Power datas referred to:

Water, pure [100%] ; 4°C; 1000kg/m³; 1.57mm²/s

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

MEI: >=0,4



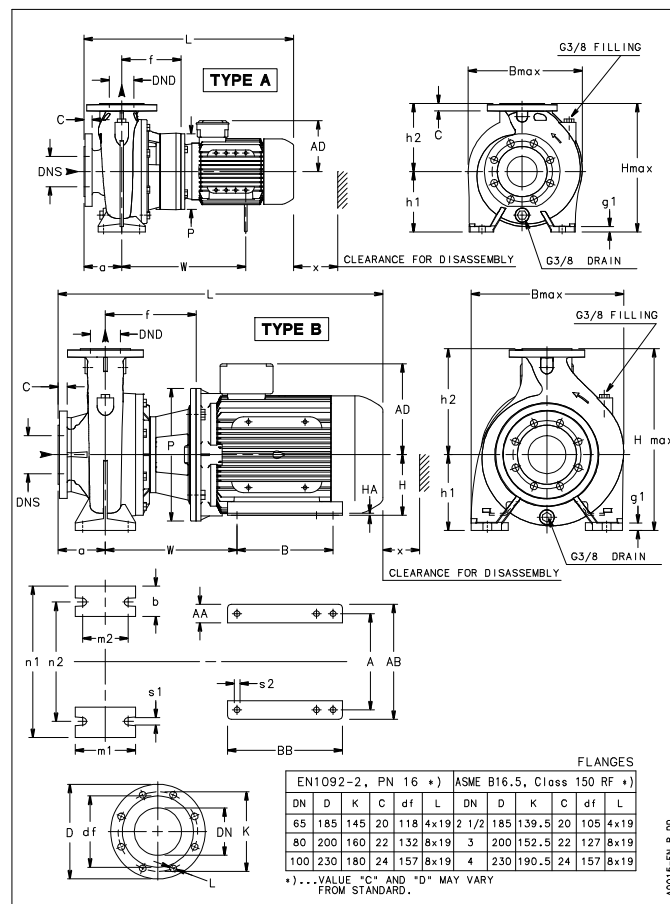
NSCS 65-160/15/P45RCC4

Dimensions

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Phone number
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Blockpump
4 poles motor
PLM 90 B5 1,5 kW

Electrical and dimensional data refer to IE3 motor



Dimensions [mm]

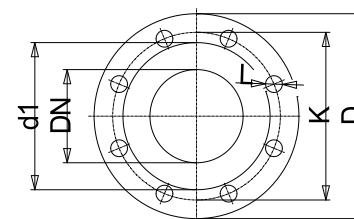
a	100
AD	134
b	65
Bmax	335
DNd	65
DNs	80
f	155
g1	16
h1	160
h2	200
Hmax	360
L	553
m1	125
m2	95
n1	280
n2	212
P	200
s1	14
Type	A
Volumen	0.066692
w	300
x	108

Weight

Total weight	62 kg
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Connections

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



Value C, D may vary from Standard

Dimensions and weight without obligation

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