

NSCE 40-200/110/P25VCS4

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	2 poles motor			
11	Design	Horizontal			
12	Operating speed	2910 rpm	Stages	1	
13	Suction nozzle	DN 65 / PN 16 / EN1092-2	Impeller Ø	Max.	mm 199
14	Discharge nozzle	DN 40 / PN 16 / EN1092-2		designed	mm 199
15	Max. casing pressure	kPa		Min.	mm 165
16	Max. working pressure	kPa 554		Nominal	m³/h
17	Impeller type	Radial impeller	Flow	Max-	m³/h 63.2
18	Head H(Q=0)	m 56		Min-	m³/h 16.6
19	Max. shaft power	kW 10.9	Head	Nominal	m
20	Pump weight	kg		at Qmax	m 36.2
21	Total weight	kg 84.0		at Qmin	m 57.5
			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 - Ø22mm	BQ7EGG-WA
25	Impeller	Fabricated Stainless Steel		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 11 kW		
45	Rated power	11 kW	Rated current	20.2 A
46	Nominal speed	2910 rpm	Rated voltage	400 V
47	Frame size	132	Service factor	1
48	Weight	kg 63.0	Degree of protection	IP55

Remarks

49	
50	
50	
52	

Project	Xylect-20123544	Created by		Last update	10/30/2024
Block	NSCE 40-200/110/P25VCS4	Created on	10/30/2024		

NSCE 40-200/110/P25VCS4

Performance curve

Company name
Contact
Phone number
e-mail address

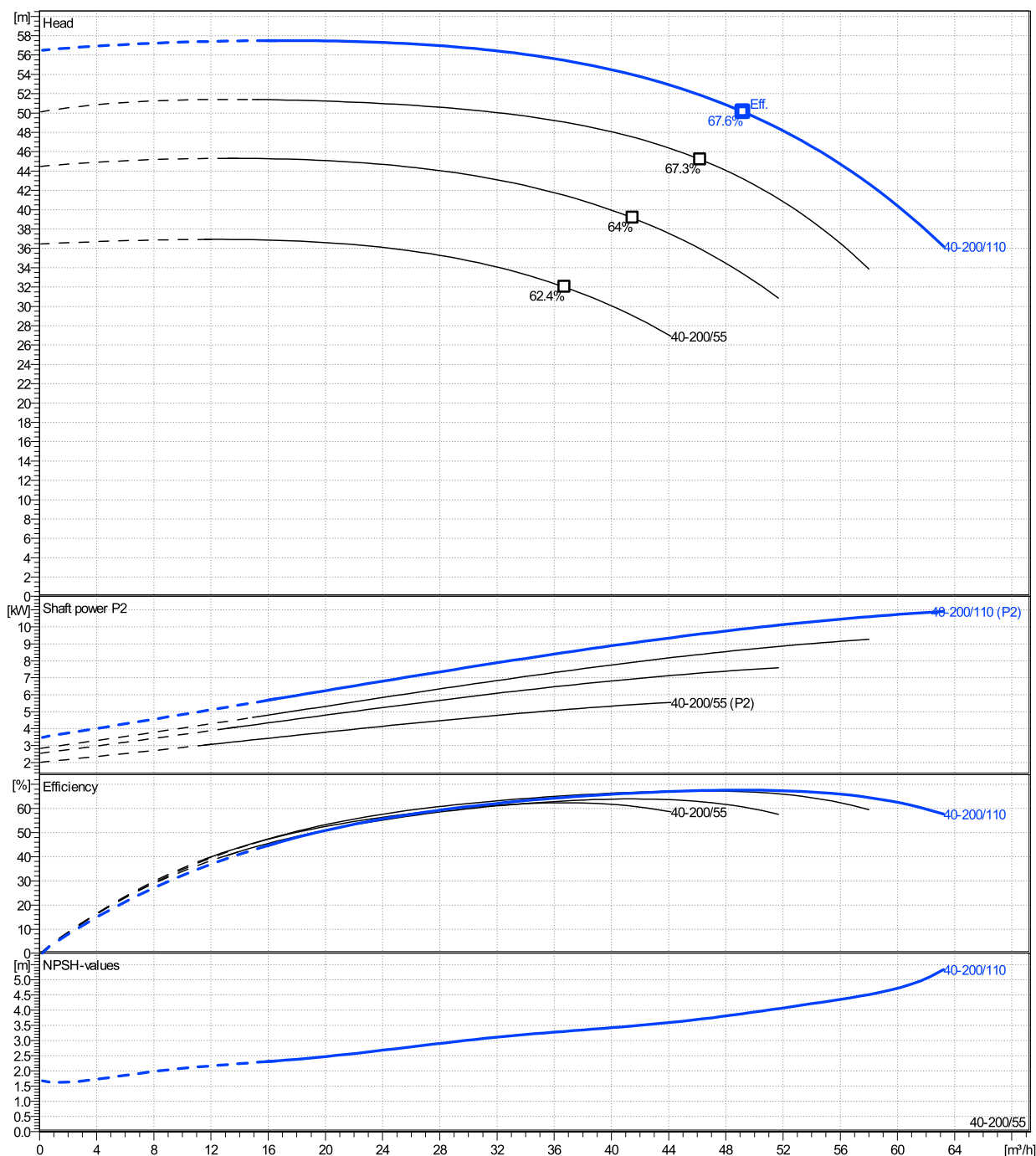
	Ø mm	Pump capacity Operating range			Pump head η		Shaft power P2 η			Frequency		Hz
		Min. m³/h	Max. m³/h	Max. m³/h	H(Q=0) m	Max. m	P2(Q=0) kW	Max. kW	Max. kW	Operating speed	rpm	
actual	199	16.6	63.2	49.2	56.5	50.1		10.9	9.88	Nominal flow	m³/h	0
Min.	0	/	/	36.7	36.5	32		/	5.12	Nominal head	m	0
Max.	199	/	/	49.2	56.5	50.1		/	9.88	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



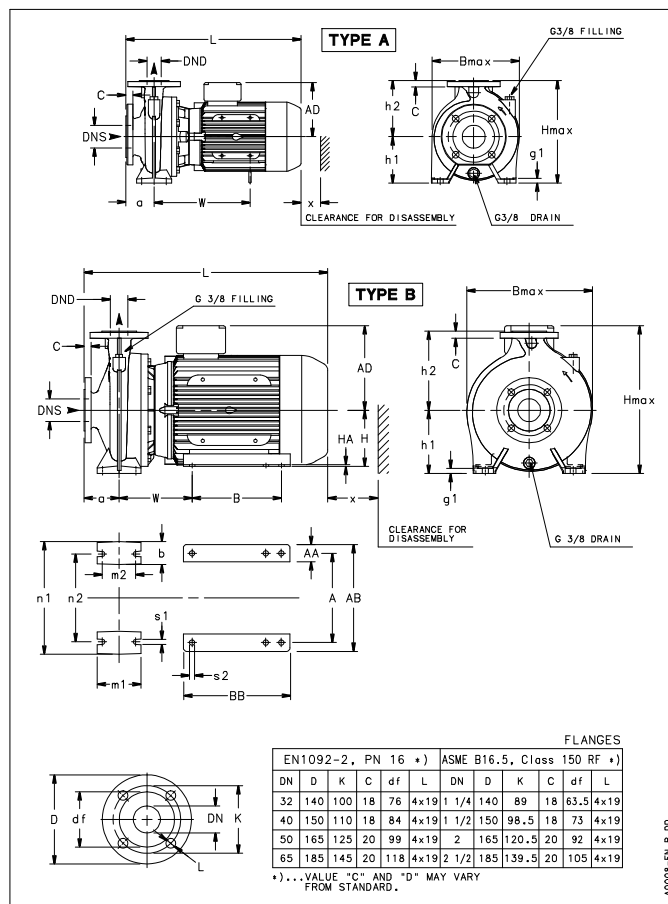
NSCE 40-200/110/P25VCS4

Dimensions

Company name
Contact
Phone number
e-mail address

Extended shaft
2 poles motor
PLM 132 B14 11 kW

Electrical and dimensional data refer to IE3 motor



Dimensions [mm]

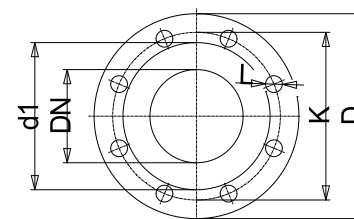
a	100
AD	191
B max	290
b	50
DND	40
DNS	65
g1	14
H max	351
h1	160
h2	180
L	605
m1	100
m2	70
n1	265
n2	212
s1	14
Type	A
W	343
x	90

Weight

Total weight	84 kg
--------------	-------

Connections

Suction nozzle	Discharge nozzle
DN 65	DN 40
PN 16	PN 16
EN1092-2	EN1092-2
C	20
D	185
df	118
DN	65
K	145
L	4 x 19
C	18
D	150
df	84
DN	40
K	110
L	4 x 19



Value C, D may vary from Standard

Dimensions and weight without obligation

Project Xylect-20123544
Block NSCE 40-200/110/P25VCS4

Created by
Created on 10/30/2024

Last update 10/30/2024