

NSCS 150-200/110/P45VCC4

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	32			
10	Execution	Standard Design (Type B)			
11	Design	Horizontal	Impeller Ø	Max.	mm 237
12	Operating speed	1470 rpm		designed	mm 217
13	Suction nozzle	DN200 / PN16 / EN1092-2		Min.	mm 200
14	Discharge nozzle	DN150 / PN10/16 / EN1092-2	Flow	Nominal	m³/h
15	Max. casing pressure	kPa		Max-	m³/h 503
16	Max. working pressure	kPa 138.7		Min-	m³/h 65.3
17	Impeller type	Radial impeller	Head	Nominal	m
18	Head H(Q=0)	m 14		at Qmax	m 4.6
19	Max. shaft power	kW 11	Shaft power		kW
20	Pump weight	kg	Efficiency		%
21	Total weight	kg 285.0	NPSH 3%		m

Materials

22		Pump			Shaft Seal
23	Volute Casing	Cast Iron, EN 1561 - GJL-250, ASTM Class 35			Single mechanical seal, without shaft sleeve
24	Impeller	Cast Iron, EN 1561 - GJL-200, ASTM Class 30		eMG12 - Ø38mm	BQ7EGG-WA
25	Casing Cover	Cast Iron, EN 1561 - GJL-250, ASTM Class 35		Mechanical seal diameter	38 mm
26	Shaft	Stainless steel, 1.4057, AISI 431		1. Rotating ring	Carbon graphite resin impregnated
27	Wear ring	Stainless steel, 1.4301, AISI 304		2. Stationary ring	SiC, silicon carbide, sintered press.less
28	Impeller lock nut and washer	A4 (1.4401)		3. Secondary seal	Ethylene propylene rubber (EPDM)
29	Impeller key	Stainless steel, 1.4571, AISI 316Ti		4. Springs	CrNiMo - Steel
30	Fill and drain plugs	Galvanized carbon steel, EN 10277-3, AISI 1213 / 1215		5. Others	EPDM - WRAS
31	Bearing bracket	Cast Iron, EN 1561 - GJL-250, ASTM Class 35		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 - Premium Efficiency		
44	Type	PLM 160 B35 11 kW		
45	Rated power	11 kW	Rated current	21.4 A
46	Nominal speed	1465 rpm	Rated voltage	400 V
47	Frame size	160	Service factor	1
48	Weight	kg 125.0	Degree of protection	IP55

Remarks

49	
50	
50	
52	

Project	Xylect-20260347	Created by		Last update	11/27/2024
Block	NSCS 150-200/150/P45VCC4	Created on	11/27/2024		

NSCS 150-200/110/P45VCC4

Performance curve

Company name
Contact
Phone number
e-mail address

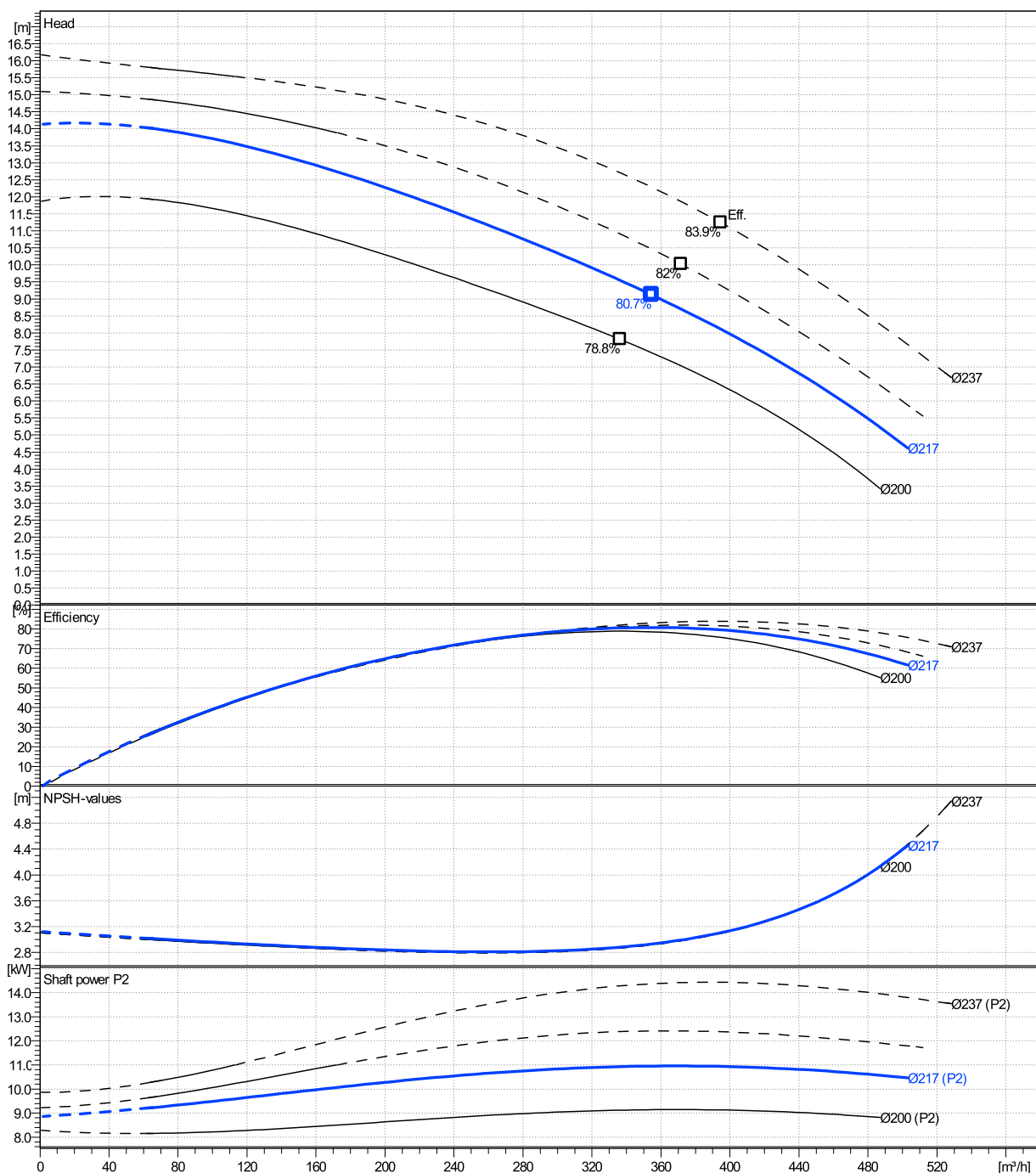
	Ø mm	Pump capacity Operating range Min. Max. Max. m³/h m³/h m³/h			Pump head H(Q=0) η m m		Shaft power P2 P2(Q=0) Max. η kW kW kW			Frequency Hz 50		
		Min.	Max.	Max.	H(Q=0)	η	P2(Q=0)	Max.	η	Operating speed	rpm	
actual	217	65.3	503	355	14.1	9.12		11	11	Nominal flow	m³/h	0
Min.	0	/	/	336	11.9	7.81		/	9.12	Nominal head	m	0
Max.	237	/	/	395	16.2	11.2		/	14.4	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: >=0,70 - according to Ecodesign Directive 2009/125/EC and Regulation (EU) No.547/2012



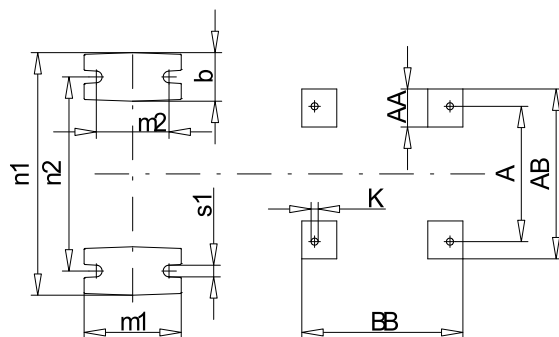
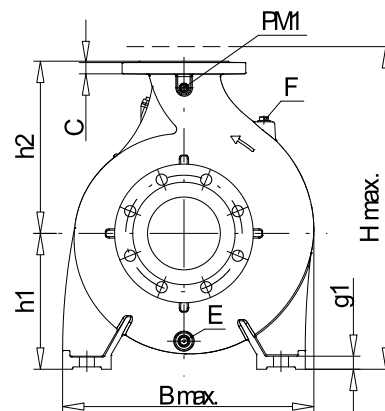
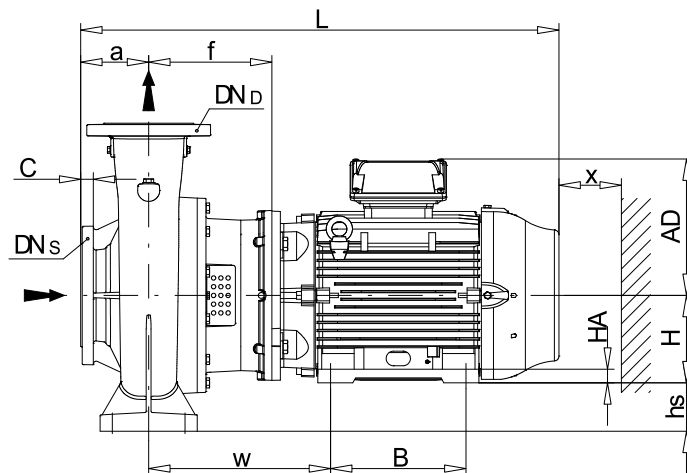
NSCS 150-200/110/P45VCC4

Dimensions

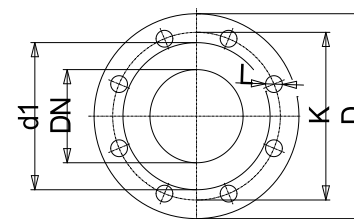
Company name
Contact
Phone number
e-mail address

Blockpump
Standard Design (Type B)
PLM 160 B35 11 kW

Electrical and dimensional data refer to IE3 motor



PM1...Pressure gauge connector
E...Drain
F...Filling



Value C, D may vary from Standard

Dimensions [mm]			
a	160	L	894
A	254	m1	200
AA	49	m2	150
AB	304	n1	550
AD	240	n2	450
b	100	P	350
B	210	PM1	1/4"
BB	304	s1	23
Bmax	602	Trim	0
CTO	0	Type	B
DNd	150	Volumen	0.36597
DNs	200	w	348
E	3/8"	x	140
f	240		
F	3/8"		
g1	26		
H	160		
h1	280		
h2	400		
h3	0		
HA	5		
Hmax	680		
hs	120		
K	15		

Weight

Total weight	285 kg
--------------	--------

Connections

Suction nozzle		Discharge nozzle	
DN200		DN150	
PN16		PN10/16	
EN1092-2		EN1092-2	
C	30	C	26
D	345	D	285
d1	266	d1	211
K	295	K	240
L	23	L	23
z	12	z	8

Dimensions and weight without obligation

Project	Xylect-20260347
Block	NSCS 150-200/150/P45VCC4

Created by	
Created on	11/27/2024

Last update	11/27/2024
-------------	------------