

NSCS125-200/75/P46PCC4

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	°F	39.2
3	Nominal flow	US g.p.m. 0	Max / Min Operating Temperature mech. Seal	°F	120 / -25
4	Nominal head	ft 0	pH-value at t A		7
5	Static head	ft 0	Density at t A	lb/ft³	62.4
6	Inlet pressure	psi 0	Kin. viscosity at t A	ft²/s	1.689E-5
7	Environmental temperature	°F 68	Vapor pressure at t A	psi	14.5
8	Available system NPSH	ft 0	Altitude		0

Pump data

9	Lubrication	32			
10	Execution	Standard Design (Type A)			
11	Design	Horizontal	Impeller Ø	Max.	inch 8 7/8
12	Operating speed	1765 rpm		designed	inch 6 1/2
13	Suction nozzle	DN150 / PN10/16 / EN1092-2		Min.	inch 6 1/2
14	Discharge nozzle	DN125 / PN10/16 / EN1092-2	Flow	Nominal	US g.p.m. 1364.9
15	Max. casing pressure	psi		Max-	US g.p.m. 202.5
16	Max. working pressure	psi 13.6		Min-	US g.p.m. 202.5
17	Impeller type	Radial impeller	Head	Nominal	ft
18	Head H(Q=0)	ft 31		at Qmax	ft 18.3
19	Max. shaft power	hp 10	Shaft power		hp
20	Pump weight	kg	Efficiency		%
21	Total weight	lb 373.9	NPSH 3%		ft

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
25	Casing Cover	Cast Iron, EN 1561 - GJL-250, ASTM Class 35			BQ7EGG-WA
26	Shaft	Stainless steel, 1.4057, AISI 431			Mechanical seal diameter 1 1/2 inch
27	Wear ring	Stainless steel, 1.4301, AISI 304			1. Rotating ring
28	Impeller lock nut and washer	A4 (1.4401)			Carbon graphite resin impregnated
29	Impeller key	Stainless steel, 1.4571, AISI 316Ti			2. Stationary ring
30	Fill and drain plugs	Galvanized carbon steel, EN 10277-3, AISI 1213 / 1215			SiC, silicon carbide, sintered press.less
31	Bearing bracket	Cast Iron, EN 1561 - GJL-250, ASTM Class 35			3. Secondary seal
32					Ethylene propylene rubber (EPDM)
33					4. Springs
34					CrNiMo - Steel
35					5. Others
36					EPDM - WRAS
37					Gaskets of the pump
38					Ethylene propylene rubber (EPDM)
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 132 B5 7,5 kW		
45	Rated power	10.058 hp	Rated current	15.4 A
46	Nominal speed	1746 rpm	Rated voltage	380 V
47	Frame size	132	Service factor	1
48	Weight	lb 146.8	Degree of protection	IP55

Remarks

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Project	Xylect-20178897	Created by		Last update	1/10/2025
Block	NSCS125-200/900/L26UCC4 E4	Created on	1/10/2025		

NSCS125-200/75/P46PCC4

Performance curve

Company name
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Phone number
e-mail address

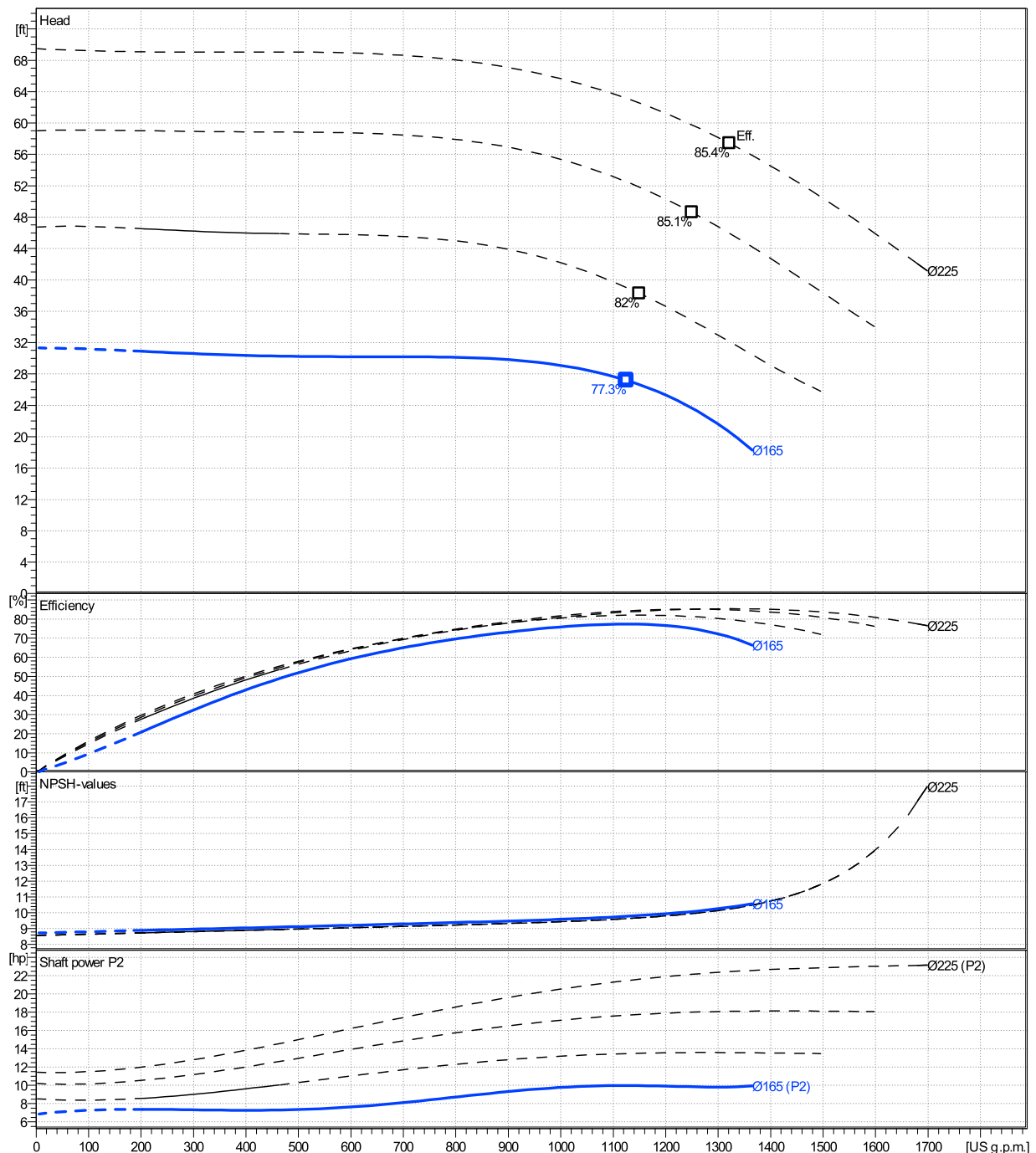
	Ø mm	Pump capacity Operating range Min. Max. η US g.p.m. US g.p.m. US g.p.m.			Pump head H(Q=0) η ft. ft.		Shaft power P2 P2(Q=0) Max. η hp. hp. hp.			Frequency Hz 60	
		Min.	Max.	Max.	H(Q=0)	η	P2(Q=0)	Max.	η	Operating speed rpm	1765
actual	6 1/2	203	1360	1130	31.3	27.2		9.98	9.98	Nominal flow	US g.p.m. 0
Min.	0	/	/	1130	31.3	27.2		/	9.98	Nominal head	ft 0
Max.	8 7/8	/	/	1320	69.5	57.4		/	22.4	Inlet pressure	psi 0
										Static head	ft 0

Power datas referred to:

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

Water, pure [100%] ; 39.2°F; 62.4lb/ft³; 1.69E-5ft²/s

MEI: >=0,70 - according to Ecodesign Directive 2009/125/EC and Regulation (EU) No.547/2012



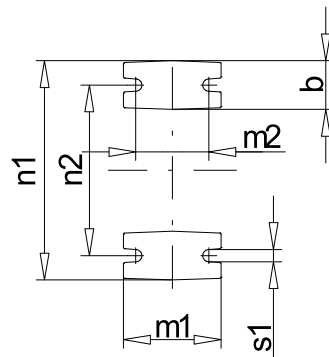
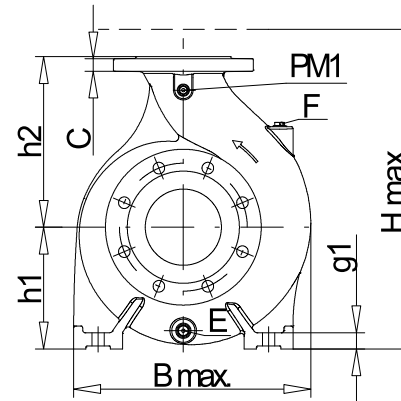
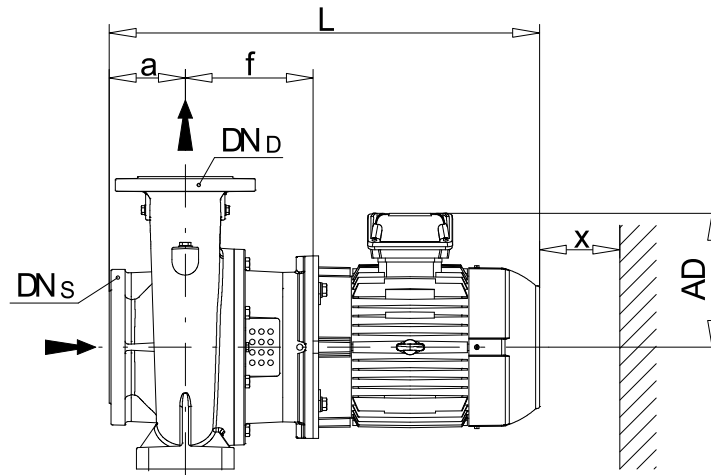
NSCS125-200/75/P46PCC4

Dimensions

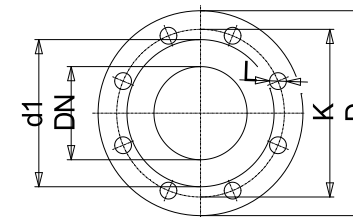
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Blockpump
Standard Design (Type A)
PLM 132 B5 7,5 kW

Electrical and dimensional data refer to IE3 motor



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



Value C, D may vary from Standard

Dimensions [inch]			
a	5 ¹ / ₂	Volumen	1 ¹ / ₆₄
AD	7 ¹ / ₂	w	11 ³ / ₄
b	3 ¹ / ₈	x	3 ¹ / ₈
Bmax	18 ⁷ / ₁₆		
CTO			
DNd	4 ¹⁵ / ₁₆		
DNs	5 ⁷ / ₈		
E	3/8"		
f	8 ¹ / ₄		
F	3/8"		
g1	1 ¹ / ₃₂		
h1	9 ¹³ / ₁₆		
h2	12 ³ / ₈		
Hmax	22 ¹ / ₄		
L	29 ³ / ₄		
m1	6 ⁵ / ₁₆		
m2	4 ³ / ₄		
n1	15 ³ / ₄		
n2	12 ³ / ₈		
P	11 ¹³ / ₁₆		
PM1	1/4"		
s1	3/4		
Trim			
Type	A		

Weight

Total weight	169.6 kg
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Connections

Suction nozzle		Discharge nozzle	
DN150		DN125	
PN10/16		PN10/16	
EN1092-2		EN1092-2	
C	1 ¹ / ₃₂	C	1 ¹ / ₃₂
D	11 ¹ / ₄	D	10 ¹ / ₁₆
d1	8 ⁵ / ₁₆	d1	7 ¹ / ₄
K	9 ⁷ / ₁₆	K	8 ¹ / ₄
L	7/8	L	3/4
Z	5/16	Z	5/16

Dimensions and weight without obligation

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