

# NSCF32-200/110A/P26PCS4

## 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 at 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	Standard, Grease lubrication [Std]		
10	Execution	[F] = 2 poles motor unit with standard cuopling		
11	Design	Horizontal		
12	Operating speed	3500 rpm	Stages	1
13	Suction nozzle	DN 50 / PN 16 / EN1092-2	Impeller Ø	Max. inch 7 13/16
14	Discharge nozzle	DN 32 / PN 16 / EN1092-2		designed inch 7 13/16
15	Max. casing pressure	psi	Flow	Min. inch 6 3/4
16	Max. working pressure	psi 115.2		Nominal US g.p.m.
17	Impeller type	Radial impeller		Max- US g.p.m. 171.7
18	Head H(Q=0)	ft 270	Head	Min- US g.p.m. 52.8
19	Max. shaft power	hp 14.7		Nominal ft
20	Pump weight	kg 83.8	at Qmax ft 201.7	at Qmin ft 264.6
21	Total weight	lb 344.0	Shaft power	hp
			Efficiency	%
			NPSH 3%	ft

Materials				
22		<b>Pump</b>	<b>Shaft Seal</b>	
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	7/8 inch
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		Coupling	
42	Manufacturer	Lowara		Manufacturer	Flender		
43	Specific design	IE3 3ph Surface Motor - Premium Efficiency		Series	Standard Coupling - N-EUPEX - Type B		
44	Type	PLM 160 B3 11 kW		Shaft diameter	Pump 15/16 inch	Motor 1 5/8 inch	
45	Rated power	14.751 hp	Rated current	35 A	Frame size	95	
46	Nominal speed	3534 rpm	Rated voltage	220 V	Spacer length	inch 1/8	
47	Frame size	160	Service factor	1	Weight	lb 4.9	
48	Weight	lb 176.8	Degree of protection	IP55	Coupling protection	COUPLGUARD 160x162PNTD 0.74956 lb	

Base plate			Remarks	
49	Name	BASE 5A 1120X490 BLU		
50	Weight	lb 77.8		

Project	Xylect-20182283	Created by		Last update	1/11/2025
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## Performance curve

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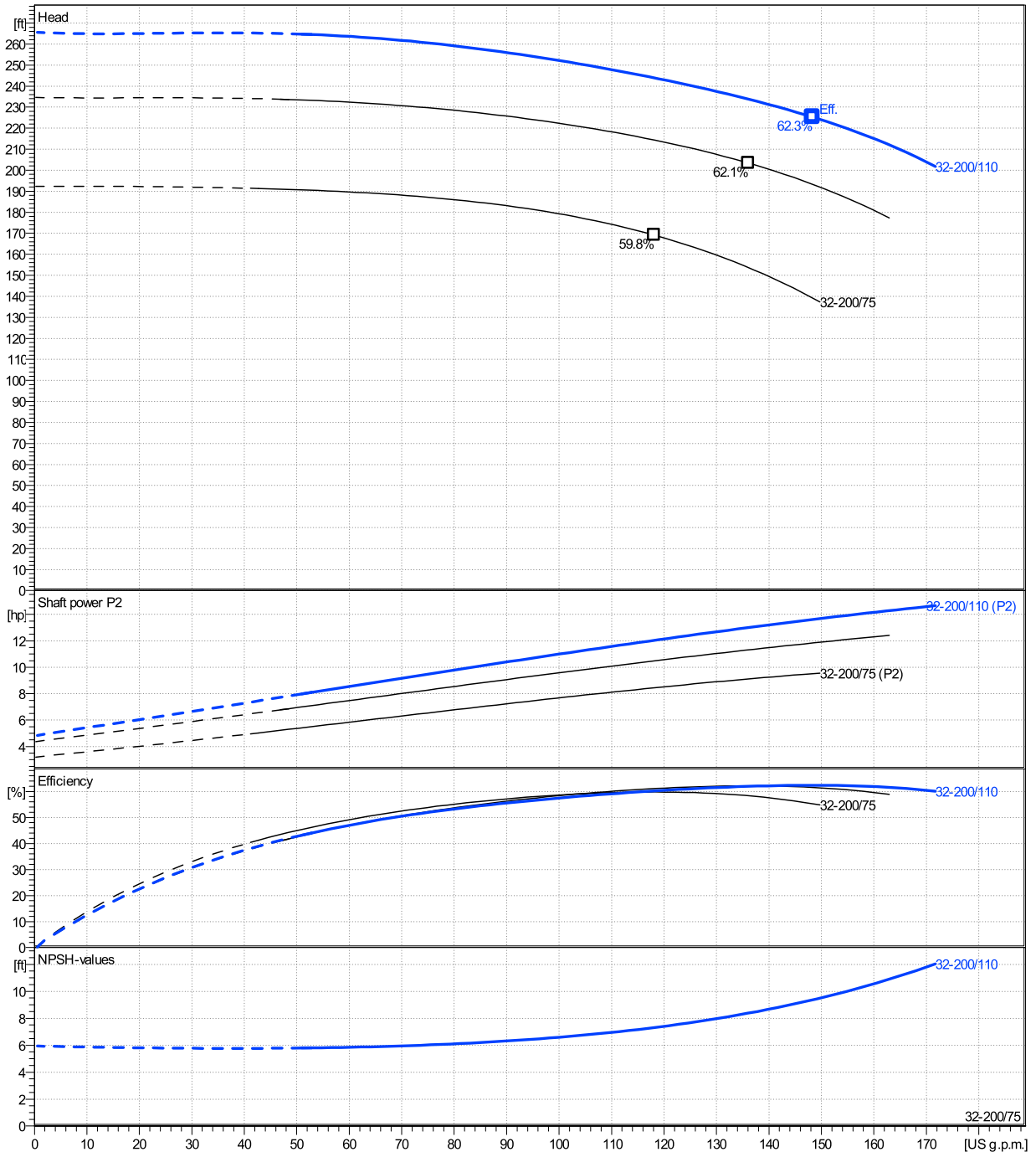
	Ø mm	Pump capacity Operating range			Pump head		Shaft power P2			Frequency		Hz	60
		Min. US g.p.m.	Max. US g.p.m.	η Max. US g.p.m.	H(Q=0) ft	η Max. ft	P2(Q=0) hp	Max. hp	η Max. hp	Operating speed rpm	Nominal flow US g.p.m.		
actual	7 13/16	52.8	172	148	266	225	14.7	13.6					
Min.	0	/	/	118	192	169	/	8.45					
Max.	7 13/16	/	/	148	266	225	/	13.6					

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



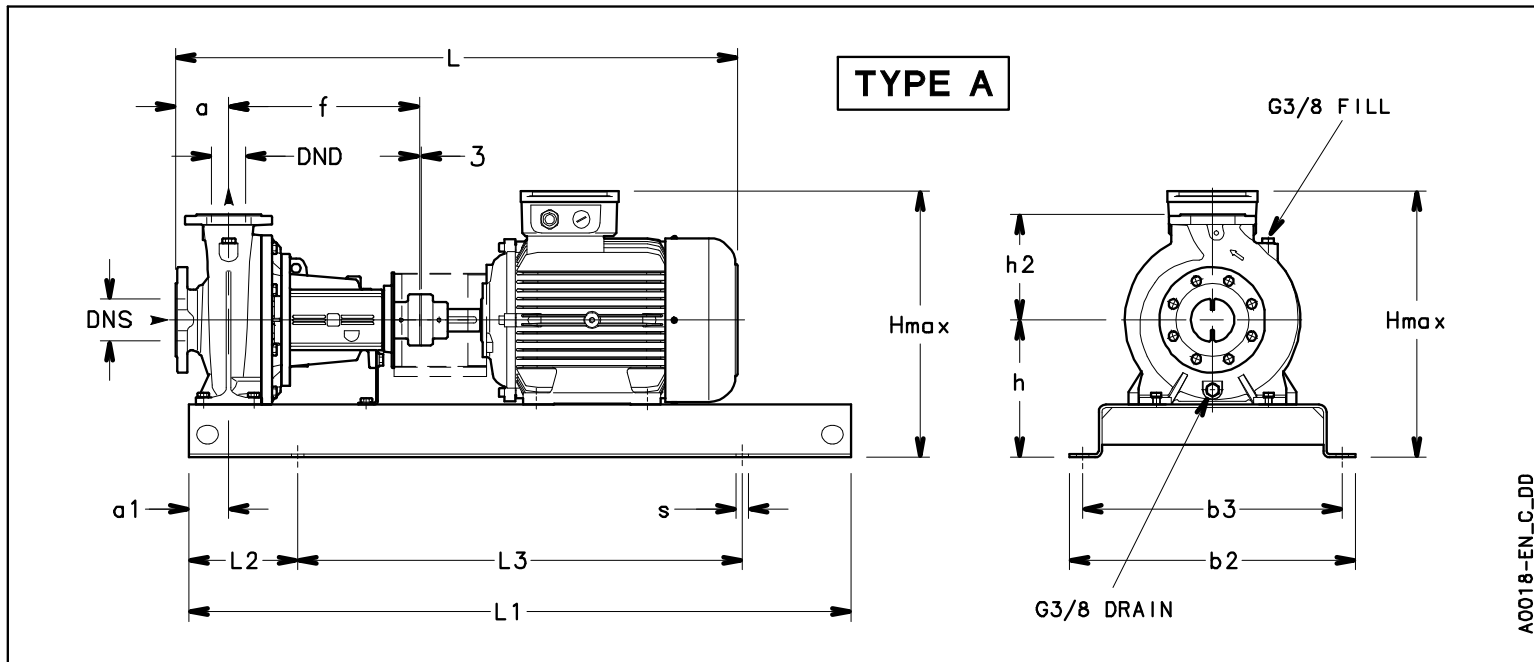
**NSCF32-200/110A/P26PCS4**

**Dimensions**

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Frame mounted  
[F] = 2 poles motor unit with standard coupling  
PLM 160 B3 11 kW

Electrical and dimensional data refer to IE3 motor



**Dimensions [ inch ]**

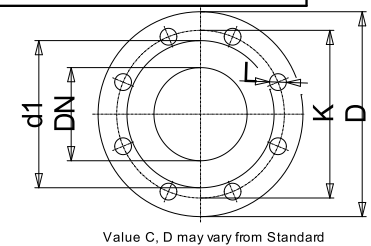
a	3 <sup>1</sup> / <sub>8</sub>		
a1	2 <sup>15</sup> / <sub>16</sub>		
AD	9 <sup>7</sup> / <sub>16</sub>		
b2	19 <sup>5</sup> / <sub>16</sub>		
b3	17 <sup>5</sup> / <sub>16</sub>		
DND	1 <sup>1</sup> / <sub>4</sub>		
DNS	1 <sup>15</sup> / <sub>16</sub>		
f	14 <sup>3</sup> / <sub>16</sub>		
Guard	6 <sup>7</sup> / <sub>16</sub>		
h	10 <sup>1</sup> / <sub>4</sub>		
h2	7 <sup>1</sup> / <sub>16</sub>		
Hmax	19 <sup>11</sup> / <sub>16</sub>		
L	41 <sup>1</sup> / <sub>4</sub>		
L1	44 <sup>1</sup> / <sub>8</sub>		
L2	7 <sup>1</sup> / <sub>2</sub>		
L3	29 <sup>1</sup> / <sub>8</sub>		
s	4xØ24		
Type	A		
Volumen	1 <sup>1</sup> / <sub>64</sub>		
x	1 <sup>1</sup> / <sub>8</sub>		

**Weight**

Total weight	156.04 kg
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**Connections**

<b>Suction nozzle</b>		<b>Discharge nozzle</b>	
DN 50		DN 32	
PN 16		PN 16	
EN1092-2		EN1092-2	
C	1 <sup>3</sup> / <sub>16</sub>	C	1 <sup>1</sup> / <sub>16</sub>
D	6 <sup>1</sup> / <sub>2</sub>	D	5 <sup>1</sup> / <sub>2</sub>
df	3 <sup>7</sup> / <sub>8</sub>	df	3
DN	1 <sup>15</sup> / <sub>16</sub>	DN	1 <sup>1</sup> / <sub>4</sub>
K	4 <sup>15</sup> / <sub>16</sub>	K	3 <sup>15</sup> / <sub>16</sub>
L	4 x 19	L	4 x 19



Note:  
Weight and Dimensions of selected Hydrovar are NOT considered.  
Please refer to additional datasheet.

**Dimensions and weight without obligation**

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