

NSCF32-125/30/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 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	Standard, Grease lubrication [Std]								
10	Execution	[F] = 2 poles motor unit with standard cuopling			Impeller Ø	Max.	inch	5 11/16		
11	Design	Horizontal				designed	inch	5 1/16		
12	Operating speed	3500 rpm	Stages	1		Min.	inch	4 1/8		
13	Suction nozzle	DN 50	/	PN 16	/	EN1092-2		Nominal	US g.p.m.	
14	Discharge nozzle	DN 32	/	PN 16	/	EN1092-2		Max-	US g.p.m.	162.9
15	Max. casing pressure	psi						Min-	US g.p.m.	44.9
16	Max. working pressure	psi	41					Nominal	ft	
17	Impeller type		Radial impeller			Head	at Qmax	ft	52.5	
18	Head H(Q=0)	ft	95				at Qmin	ft	96	
19	Max. shaft power	hp	4			Shaft power		hp		
20	Pump weight	kg	66.1			Efficiency		%		
21	Total weight	lb	173.5			NPSH 3%		ft		

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	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 100 B3 3 kW		Shaft diameter	Pump 15/16 inch Motor 1 1/8 inch
45	Rated power	4.0231 hp	Rated current	10.2 A	Frame size 68
46	Nominal speed	3492 rpm	Rated voltage	220 V	Spacer length inch 1/8
47	Frame size	100	Service factor	1	Weight lb 1.2
48	Weight	lb 53.4	Degree of protection	IP55	Coupling protection COUPLGUARD 160x112PNTD 0.5291 lb

Base plate

49	Name	BASE 3A 900X390 BLU			Remarks
50	Weight	lb 52.2			

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Performance curve

Company name
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Phone number
e-mail address

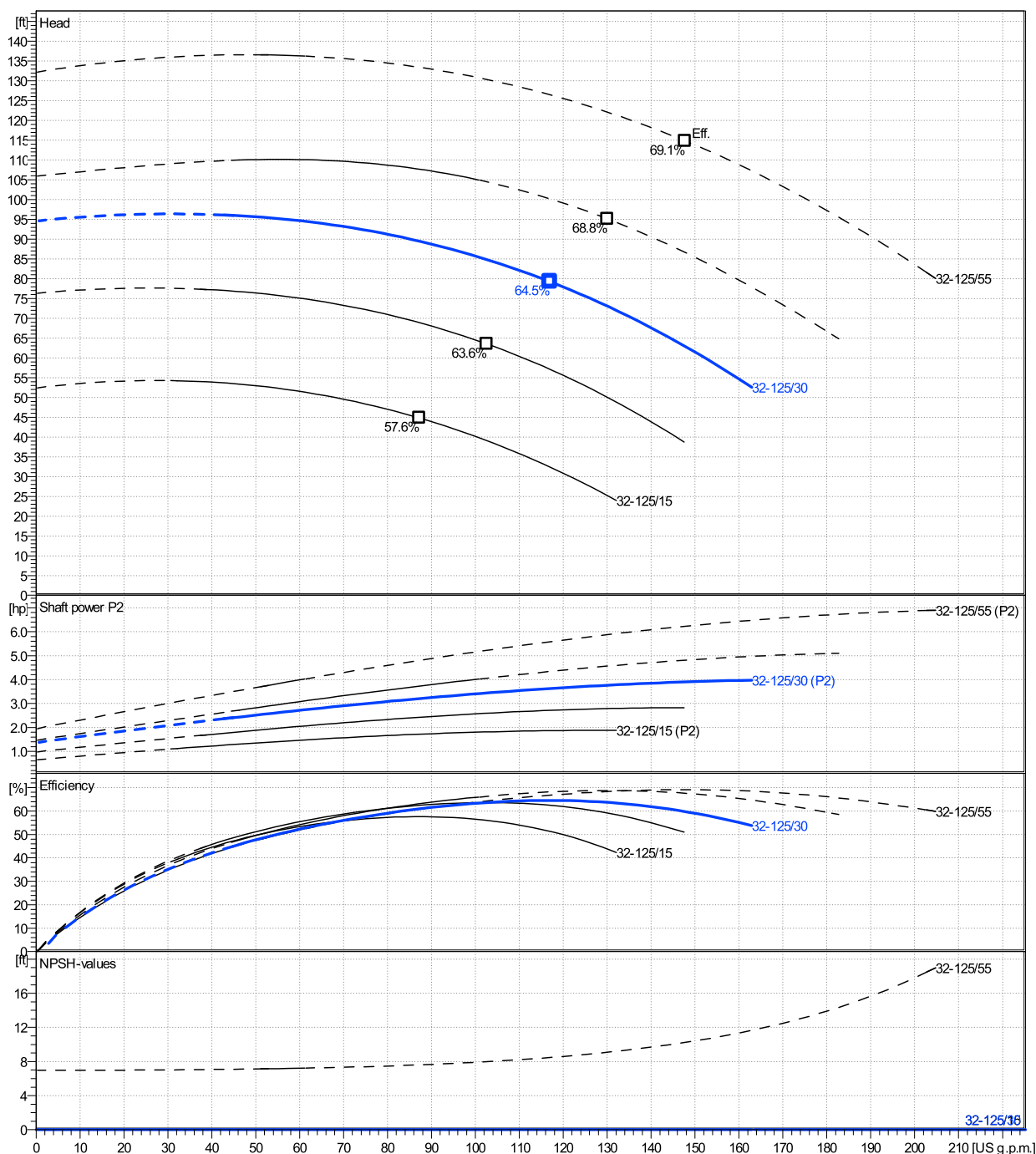
	Ø mm	Pump capacity Operating range Min. Max. η US g.p.m. US g.p.m. US g.p.m.			Pump head H(Q=0) η ft ft		Shaft power P2 P2(Q=0) Max. η hp hp hp			Frequency Hz 60		
		Min.	Max.	Max.	H(Q=0)	η	P2(Q=0)	Max.	η	Operating speed rpm	Nominal flow US g.p.m.	
actual	5 1/16	44.9	163	117	94.6	79.3		3.97	3.62			
Min.	0	/	/	87.2	52.4	44.8		/	1.72			
Max.	5 11/16	/	/	148	132	115		/	6.23			

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



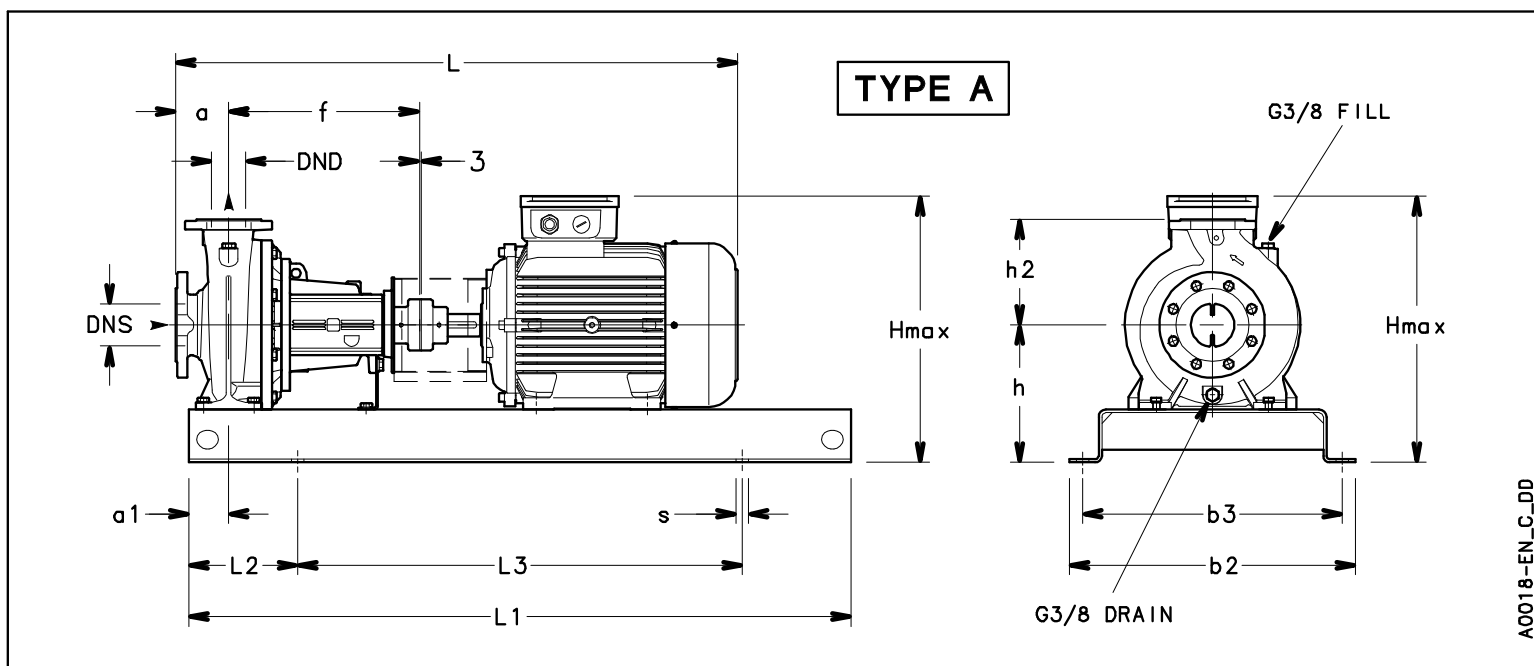
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Dimensions

Company name
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Phone number
e-mail address

Frame mounted
[F] = 2 poles motor unit with standard coupling
PLM 100 B3 3 kW

Electrical and dimensional data refer to IE3 motor



Dimensions		[inch]	
a	3 ¹ / ₈		
a1	2 ³ / ₈		
AD	6 ¹ / ₁₆		
b2	15 ³ / ₈		
b3	13 ³ / ₄		
DND	1 ¹ / ₄		
DNS	1 ¹⁵ / ₁₆		
f	14 ³ / ₁₆		
Guard	4 ⁷ / ₁₆		
h	8 ³ / ₈		
h2	5 ¹ / ₂		
Hmax	14 ⁷ / ₁₆		
L	32 ³ / ₈		
L1	35 ⁷ / ₁₆		
L2	5 ⁷ / ₈		
L3	23 ⁵ / ₈		
s	4xØ19		
Type	A		
Volumen	1 ¹ / ₁₂₈		
x	1 ¹ / ₈		

Weight			
Total weight		78.68 kg	

Connections			
Suction nozzle		Discharge nozzle	
DN 50		DN 32	
PN 16		PN 16	
EN1092-2		EN1092-2	
C	1 ¹³ / ₁₆	C	1 ¹¹ / ₁₆
D	6 ¹ / ₂	D	5 ¹ / ₂
df	3 ⁷ / ₈	df	3
DN	1 ¹⁵ / ₁₆	DN	1 ¹ / ₄
K	4 ¹⁵ / ₁₆	K	3 ¹⁵ / ₁₆
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

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