

NSCE32-160/11/P46PCS4

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	4 poles motor			
11	Design	Horizontal			
12	Operating speed	1740 rpm	Stages	1	
13	Suction nozzle	DN 50 / PN 16 / EN1092-2	Impeller Ø	Max. inch	6 3/4
14	Discharge nozzle	DN 32 / PN 16 / EN1092-2		designed inch	6 3/4
15	Max. casing pressure	psi		Min. inch	5 7/8
16	Max. working pressure	psi 20.3		Nominal US g.p.m.	
17	Impeller type	Radial impeller	Flow	Max- US g.p.m.	85.4
18	Head H(Q=0)	ft 47		Min- US g.p.m.	26.3
19	Max. shaft power	hp 1.3	Head	Nominal ft	
20	Pump weight	kg		at Qmax ft	37.6
21	Total weight	lb 86.0		at Qmin ft	47.1
			Shaft power	hp	
			Efficiency	%	
			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)
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Motor data

Electrical and dimensional data refer to IE3 motor

42	Manufacturer	Lowara		
43	Specific design	IE3 3ph Flange Motor		
44	Type	PLM 90 B14 1,1 kW		
45	Rated power	1.4751 hp	Rated current	4.61 A
46	Nominal speed	1740 rpm	Rated voltage	220 V
47	Frame size	90	Service factor	1
48	Weight	lb 38.4	Degree of protection	IP55

Remarks

49	
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52	

Project	Created by	Last update	1/9/2025
Block	Created on	1/9/2025	

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Performance curve

Company name
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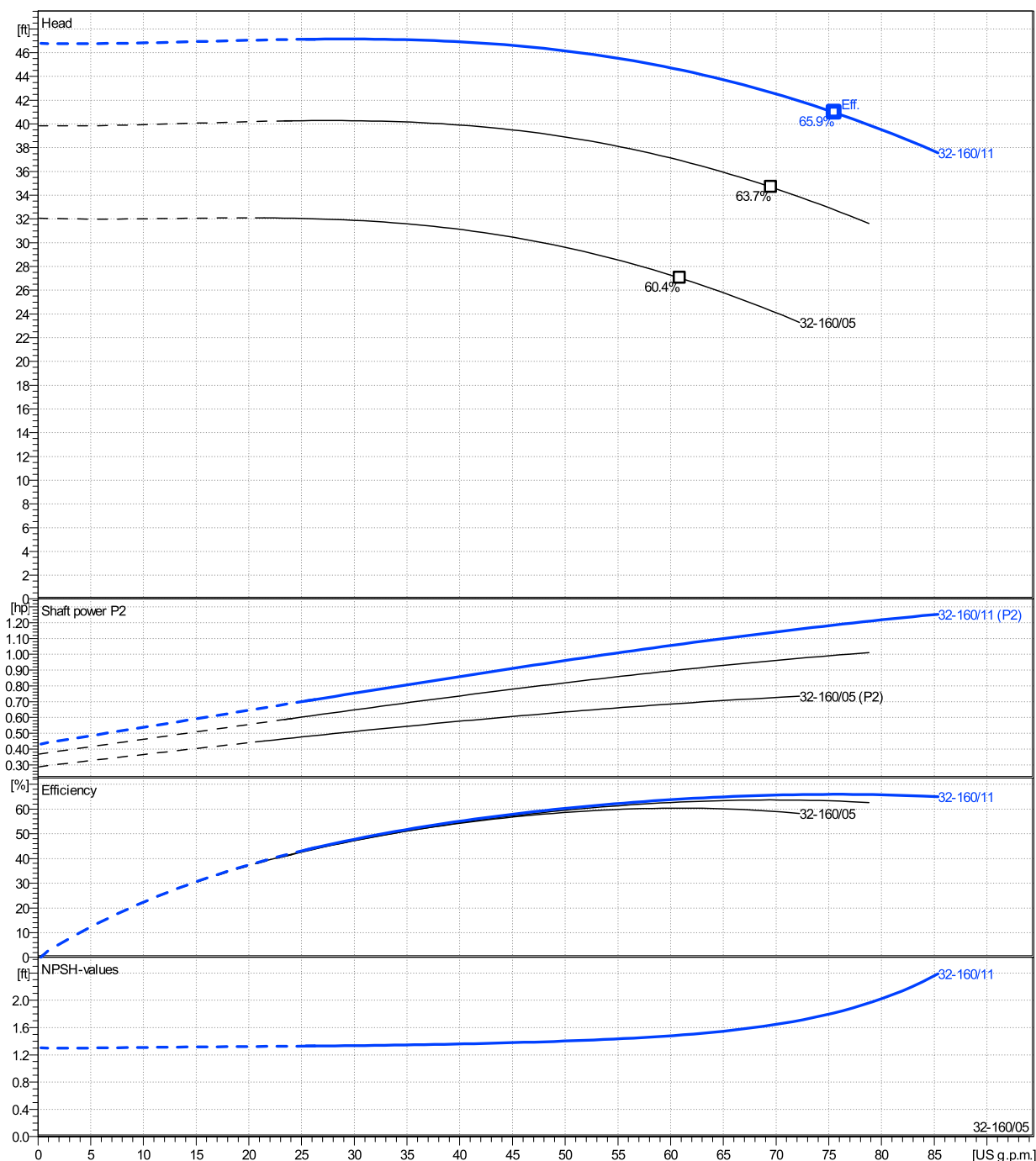
	Ø mm	Pump capacity Operating range Min. Max. Max. US g.p.m. US g.p.m. US g.p.m.			Pump head H(Q=0) η ft ft		Shaft power P2 P2(Q=0) Max. η hp hp hp			Frequency Hz 60	
		Min.	Max.	Max.	H(Q=0)	η	P2(Q=0)	Max.	η	Operating speed rpm	1740
actual	6 3/4	26.3	85.4	75.5	46.8	41		1.25	1.19	Nominal flow US g.p.m.	0
Min.	0	/	/	60.9	32.1	27	/	/	0.689	Nominal head ft	0
Max.	6 3/4	/	/	75.5	46.8	41	/	/	1.19	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: N.A - according to Ecodesign Directive 2009/125/EC and Regulation (EU) No.547/2012



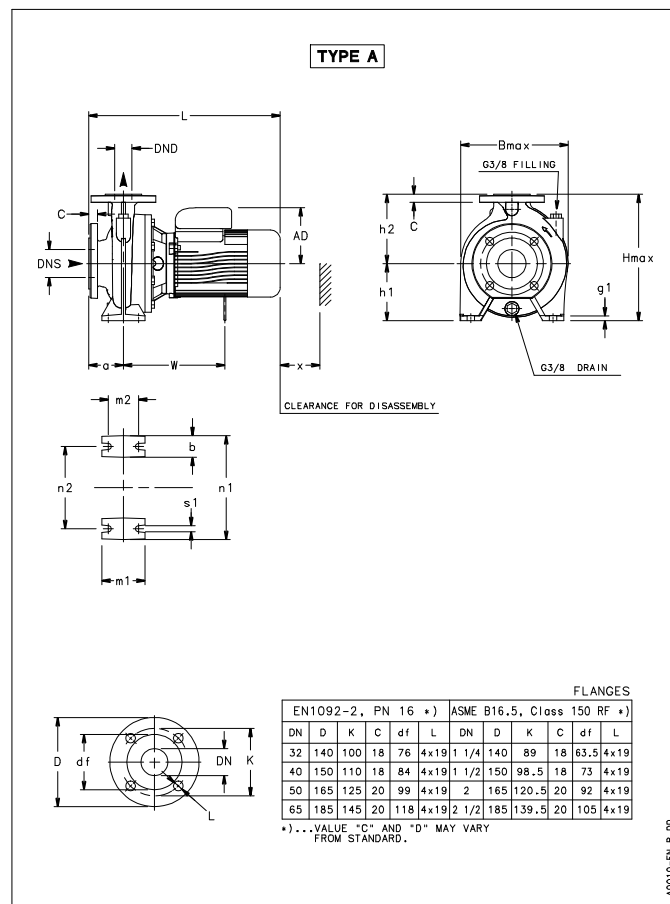
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Dimensions

Company name
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Extended shaft
4 poles motor
PLM 90 B14 1,1 kW

Electrical and dimensional data refer to IE3 motor



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

Dimensions and weight without obligation

Project	Block	NSCE32-160/92/P26PCS4	Created by	Created on	1/9/2025	Last update	1/9/2025
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Dimensions [inch]			
a	3 1/8		
AD	5 1/4		
B max	9 3/4		
b	1 15/16		
DND	1 1/4		
DNS	1 15/16		
g1	9/16		
H max	11 1/2		
h1	5 3/16		
h2	6 5/16		
L	18 13/16		
m1	3 15/16		
m2	2 3/4		
n1	9 7/16		
n2	7 1/2		
s1	9/16		
Type	A		
W	9 5/8		
x	3 3/8		

Weight	
Total weight	39 kg

Connections			
Suction nozzle		Discharge nozzle	
DN 50		DN 32	
PN 16		PN 16	
EN1092-2		EN1092-2	
C	13/16	C	1 1/16
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

