

NSCE40-160/92/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	2 poles motor				Impeller Ø	Max.	inch	6 7/16		
11	Design	Horizontal					designed	inch	6 1/16		
12	Operating speed	3590 rpm		Stages 1			Min.	inch	5		
13	Suction nozzle	DN 65 /		PN 16 /		EN1092-2		Flow	Nominal	US g.p.m.	
14	Discharge nozzle	DN 40 /		PN 16 /		EN1092-2			Max-	US g.p.m.	289
15	Max. casing pressure	psi							Min-	US g.p.m.	70.9
16	Max. working pressure	psi		72.6		Head	Nominal	ft			
17	Impeller type	Radial impeller					at Qmax	ft	136		
18	Head H(Q=0)	ft		170			at Qmin	ft	174.7		
19	Max. shaft power	hp		13.6		Shaft power			hp		
20	Pump weight	kg				Efficiency			%		
21	Total weight	lb		180.8		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
25	Impeller	Fabricated Stainless Steel		BQ7EGG-WA
26	Shaft	Stainless steel		Mechanical seal diameter
27	Wear ring	Stainless steel		7/8 inch
28	Impeller lock nut and washer	Stainless steel		1. Rotating ring
29	Impeller key	Stainless steel		Carbon graphite resin impregnated
30	Fill and drain plugs	Stainless steel		2. Stationary ring
31				SiC, silicon carbide, sintered press.less
32				3. Secondary seal
33				Ethylene propylene rubber (EPDM)
34				4. Springs
35				CrNiMo - Steel
36				5. Others
37				EPDM - WRAS
38				Gaskets of the pump
39				Ethylene propylene rubber (EPDM)
40				
41				

Motor data

Electrical and dimensional data refer to IE3 motor

42	Manufacturer	Lowara			
43	Specific design	IE3 3ph Flange Motor			
44	Type	PLM 132 B14 9,2 kW			
45	Rated power	12.337 hp	Rated current	30.6 A	
46	Nominal speed	3590 rpm	Rated voltage	220 V	
47	Frame size	132	Service factor	1	
48	Weight	lb 224.9	Degree of protection	IP55	

Remarks

49	
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52	

Project
Block NSCE40-160/110/P26PCS4

Created by
Created on 1/9/2025

Last update 1/9/2025

Program version
75.0 - 06/11/2024 (Build 274)

Data version
15/12/2024 18:59

User group(s)
Xylem: United Kingdom - EXT

NSCE40-160/92/P26PCS4

Performance curve

Company name
Contact
Phone number
e-mail address

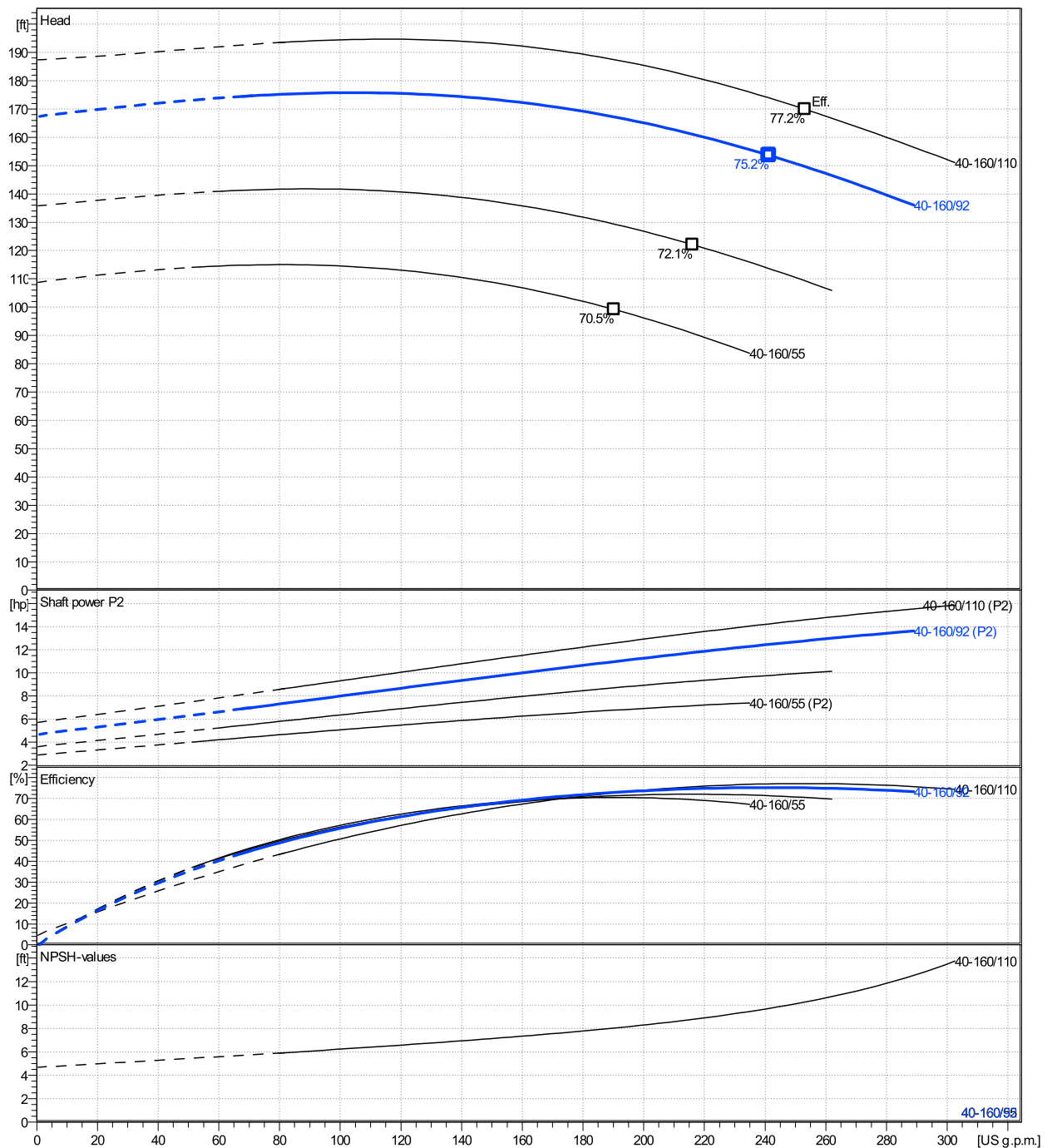
	Ø mm	Pump capacity Operating range			Pump head		Shaft power P2			Frequency	Hz	60
		Min. US g.p.m.	Max. US g.p.m.	Max. US g.p.m.	H(Q=0) ft	η Max. ft	P2(Q=0) hp	Max. hp	η Max. hp	Operating speed	rpm	3590
actual	6 1/16	70.9	289	241	167	154		13.6	12.5	Nominal flow	US g.p.m.	0
Min.	0	/	/	190	109	99.2		/	6.76	Nominal head	ft	0
Max.	6 7/16	/	/	253	187	170		/	14.6	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



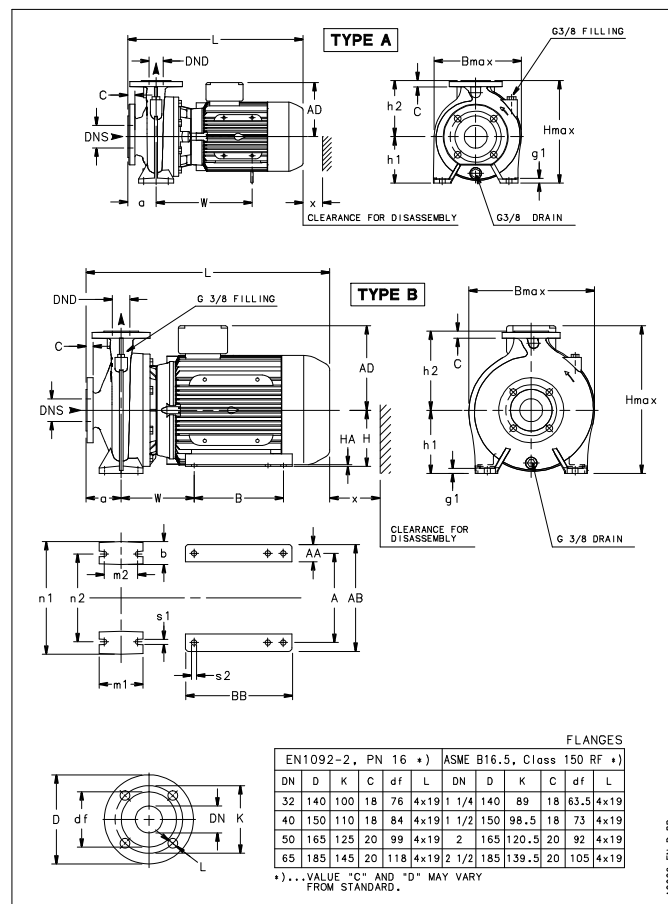
NSCE40-160/92/P26PCS4

Dimensions

Company name
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e-mail address

Extended shaft
2 poles motor
PLM 132 B14 9,2 kW

Electrical and dimensional data refer to IE3 motor



Dimensions [inch]

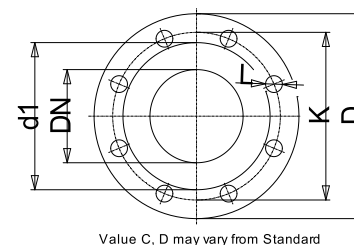
a	3 ¹ / ₈		
AD	7 ¹ / ₂		
B max	10 ¹ / ₁₆		
b	1 ¹⁵ / ₁₆		
DND	1 ⁹ / ₁₆		
DNS	2 ⁹ / ₁₆		
g1	9 ⁹ / ₁₆		
H max	12 ¹¹ / ₁₆		
h1	5 ³ / ₁₆		
h2	6 ⁵ / ₁₆		
L	23 ¹ / ₁₆		
m1	3 ¹⁵ / ₁₆		
m2	2 ³ / ₄		
n1	9 ⁷ / ₁₆		
n2	7 ¹ / ₂		
s1	9 ⁹ / ₁₆		
Type	A		
W	13 ¹ / ₂		
x	3 ⁵ / ₈		

Weight

Total weight	82 kg
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Connections

Suction nozzle	Discharge nozzle
DN 65	DN 40
PN 16	PN 16
EN1092-2	EN1092-2
C	1 ³ / ₁₆
D	7 ⁵ / ₁₆
df	4 ⁵ / ₈
DN	2 ⁹ / ₁₆
K	5 ¹¹ / ₁₆
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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