

NSCE40-125/55/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	
11	Design	Horizontal	
12	Operating speed	3505 rpm	Stages 1
13	Suction nozzle	DN 65 / PN 16 / EN1092-2	Impeller Ø
14	Discharge nozzle	DN 40 / PN 16 / EN1092-2	
15	Max. casing pressure	psi	Flow
16	Max. working pressure	psi 49.2	
17	Impeller type	Radial impeller	
18	Head H(Q=0)	ft 110	Head
19	Max. shaft power	hp 7.4	
20	Pump weight	kg	Shaft power
21	Total weight	lb 123.5	
			Efficiency
			NPSH 3%

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 112 B14 5,5 kW	
45	Rated power	7.3756 hp	Rated current 18.1 A
46	Nominal speed	3505 rpm	Rated voltage 220 V
47	Frame size	112	Service factor 1
48	Weight	lb 78.3	Degree of protection IP55

Remarks			
49			
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52			

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Performance curve

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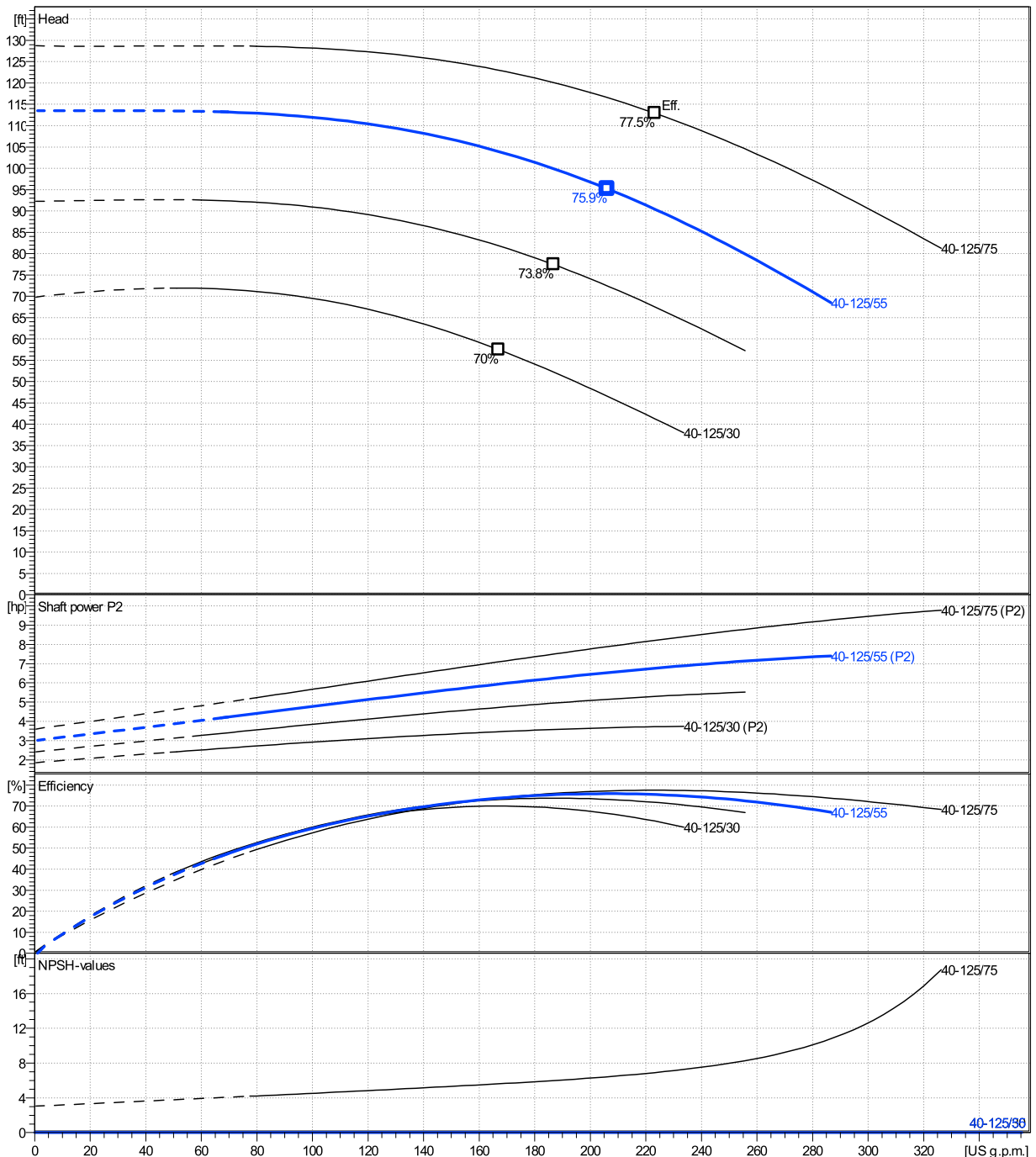
	Ø mm	Pump capacity Operating range η			Pump head H(Q=0) η		Shaft power P2 P2(Q=0) η			Frequency	Hz	
		Min. US g.p.m.	Max. US g.p.m.	Max. US g.p.m.	H(Q=0) ft	Max. ft	P2(Q=0) hp	Max. hp	η hp	Operating speed rpm		
actual	5 1/8	69.7	287	206	114	95.2	7.4	6.53		60	3505	
Min.	0	/	/	167	69.8	57.5	/	3.46			0	
Max.	5 5/16	/	/	223	129	113	/	8.21			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



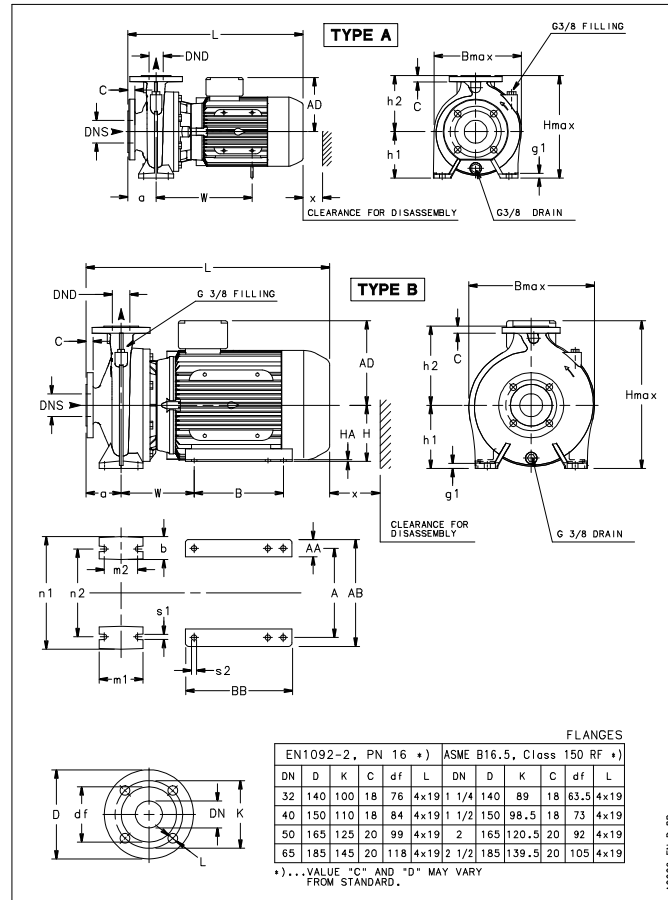
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Dimensions

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Extended shaft
2 poles motor
PLM 112 B14 5,5 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	NSCE40-125/75/P26PCS4	Created by		Last update	1/9/2025
Block	NSCE40-125/75/P26PCS4	Created on	1/9/2025		

Dimensions [inch]	
a	3 ¹ / ₈
AD	6 ⁵ / ₈
B max	9 ⁹ / ₁₆
b	1 ¹⁵ / ₁₆
DND	1 ⁹ / ₁₆
DNS	2 ⁹ / ₁₆
g1	9 ⁹ / ₁₆
H max	11 ¹ / ₃₂
h1	4 ⁷ / ₁₆
h2	5 ¹ / ₂
L	21
m1	3 ¹⁵ / ₁₆
m2	2 ³ / ₄
n1	8 ¹ / ₄
n2	6 ⁵ / ₁₆
s1	9 ⁹ / ₁₆
Type	A
W	11 ¹ / ₄
x	3 ³ / ₄

Weight	
Total weight	56 kg

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
C	1 ¹ / ₁₆
D	5 ⁷ / ₈
df	3 ⁵ / ₁₆
DN	1 ⁹ / ₁₆
K	4 ⁵ / ₁₆
L	4 x 19

