

NSCE40-125/40/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/ft ³	62.4
6	Inlet pressure	psi	0	Kin. viscosity at t A	ft ² /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				Impeller Ø	
12	Operating speed	3510 rpm	Stages	1			
13	Suction nozzle	DN 65	/	PN 16	/	EN1092-2	
14	Discharge nozzle	DN 40	/	PN 16	/	EN1092-2	
15	Max. casing pressure	psi		Flow	Max-	US g.p.m.	
16	Max. working pressure	psi	40.1		Min-	US g.p.m.	60.1
17	Impeller type	Radial impeller				Head	
18	Head H(Q=0)	ft	93				Nominal
19	Max. shaft power	hp	5.5				at Qmax
20	Pump weight	kg		Shaft power	hp	57.4	
21	Total weight	lb	103.6			at Qmin	
				Efficiency	%	92.8	
				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	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 112R B14 4 kW			
45	Rated power	5.3641 hp	Rated current	13.6 A	
46	Nominal speed	3510 rpm	Rated voltage	220 V	
47	Frame size	112R	Service factor	1	
48	Weight	lb 82.9	Degree of protection	IP55	

Remarks					
49					
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50					
52					

NSCE40-125/40/P26PCS4

Performance curve

Company name
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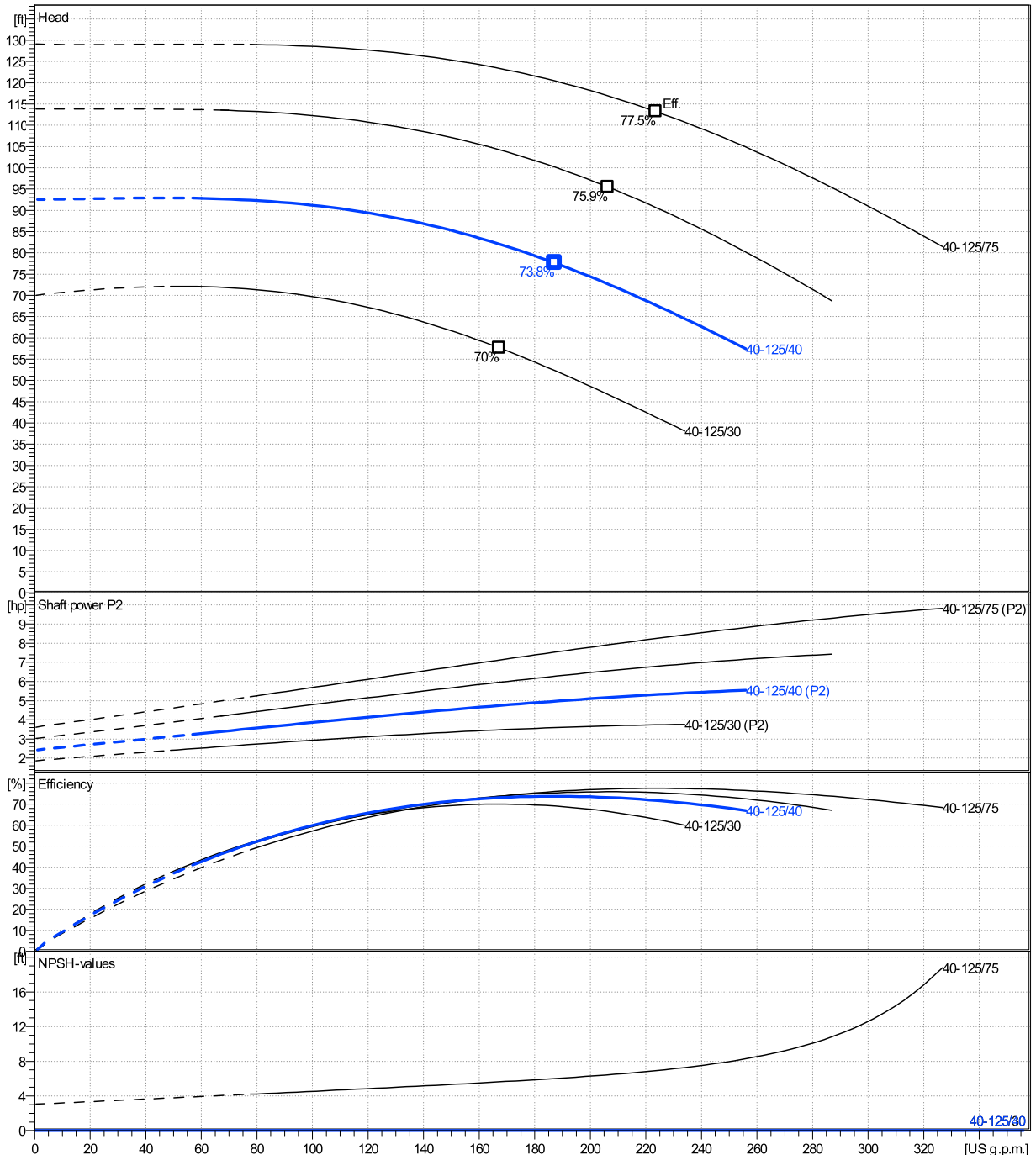
	Ø mm	Pump capacity Operating range η			Pump head η		Shaft power P2 η			Frequency	Hz	
		Min. US g.p.m.	Max. US g.p.m.	Max. US g.p.m.	H(Q=0) ft	Max. ft	P2(Q=0) hp	Max. hp	Max. hp	Operating speed	rpm	
actual	4 5/8	60.1	256	187	92.5	77.6		5.54	4.97	Nominal flow	US g.p.m.	0
Min.	0	/	/	167	70	57.7		/	3.48	Nominal head	ft	0
Max.	5 5/16	/	/	224	129	113		/	8.24	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



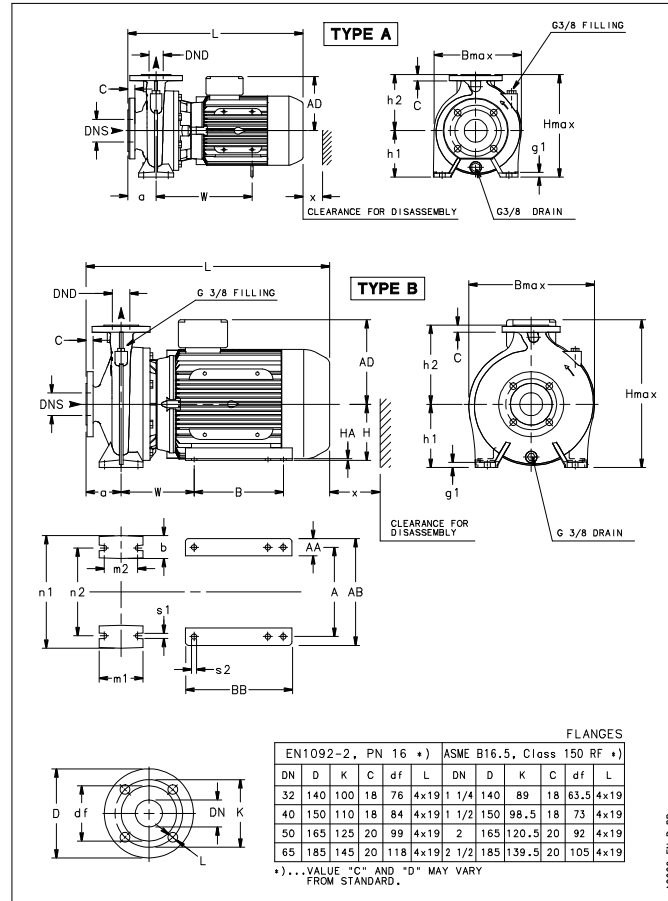
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Dimensions

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Extended shaft
2 poles motor
PLM 112R B14 4 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 [inch]

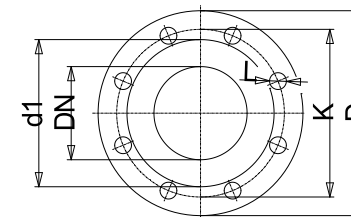
a	3 ¹ / ₈		
AD	6 ¹ / ₁₆		
B max	9 ⁹ / ₁₆		
b	1 ¹⁵ / ₁₆		
DND	1 ⁹ / ₁₆		
DNS	2 ⁹ / ₁₆		
g1	9 ¹ / ₁₆		
H max	10 ¹ / ₂		
h1	4 ⁷ / ₁₆		
h2	5 ¹ / ₂		
L	19 ³ / ₈		
m1	3 ¹⁵ / ₁₆		
m2	2 ³ / ₄		
n1	8 ¹ / ₄		
n2	6 ⁵ / ₁₆		
s1	9 ¹ / ₁₆		
Type	A		
W	10 ³ / ₄		
x	3 ³ / ₄		

Weight

Total weight	47 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	C	1 ¹ / ₁₆
D	7 ⁵ / ₁₆	D	5 ⁷ / ₈
df	4 ⁵ / ₈	df	3 ⁵ / ₁₆
DN	2 ⁹ / ₁₆	DN	1 ⁹ / ₁₆
K	5 ¹¹ / ₁₆	K	4 ⁵ / ₁₆
L	4 x 19	L	4 x 19



Value C, D may vary from Standard

Dimensions and weight without obligation

Project	Block	Created by	Created on	Last update
	NSCE40-125/75/P26PCS4		1/9/2025	1/9/2025