

NSCS40-125/55/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	3500 rpm	Stages	1	
13	Suction nozzle	DN 65 / PN 16 / EN1092-2	Impeller Ø	Max. inch	5 5/16
14	Discharge nozzle	DN 40 / PN 16 / EN1092-2		designed inch	5 1/8
15	Max. casing pressure	psi		Min. inch	4 1/8
16	Max. working pressure	psi 49.1		Nominal US g.p.m.	
17	Impeller type	Radial impeller	Flow	Max- US g.p.m.	286.2
18	Head H(Q=0)	ft 110		Min- US g.p.m.	69.6
19	Max. shaft power	hp 7.4	Head	Nominal ft	
20	Pump weight	kg		at Qmax ft	68.3
21	Total weight	lb 154.3		at Qmin ft	112.9
			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 - Premium Efficiency		
44	Type	PLM 132R B5 5,5 kW		
45	Rated power	7.3756 hp	Rated current	18.1 A
46	Nominal speed	3516 rpm	Rated voltage	220 V
47	Frame size	132R	Service factor	1
48	Weight	lb 82.9	Degree of protection	IP55

Remarks

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Project	Xylect-20178897	Created by		Last update	1/10/2025
Block	NSCS40-125/75/P26PCS4	Created on	1/10/2025		

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Performance curve

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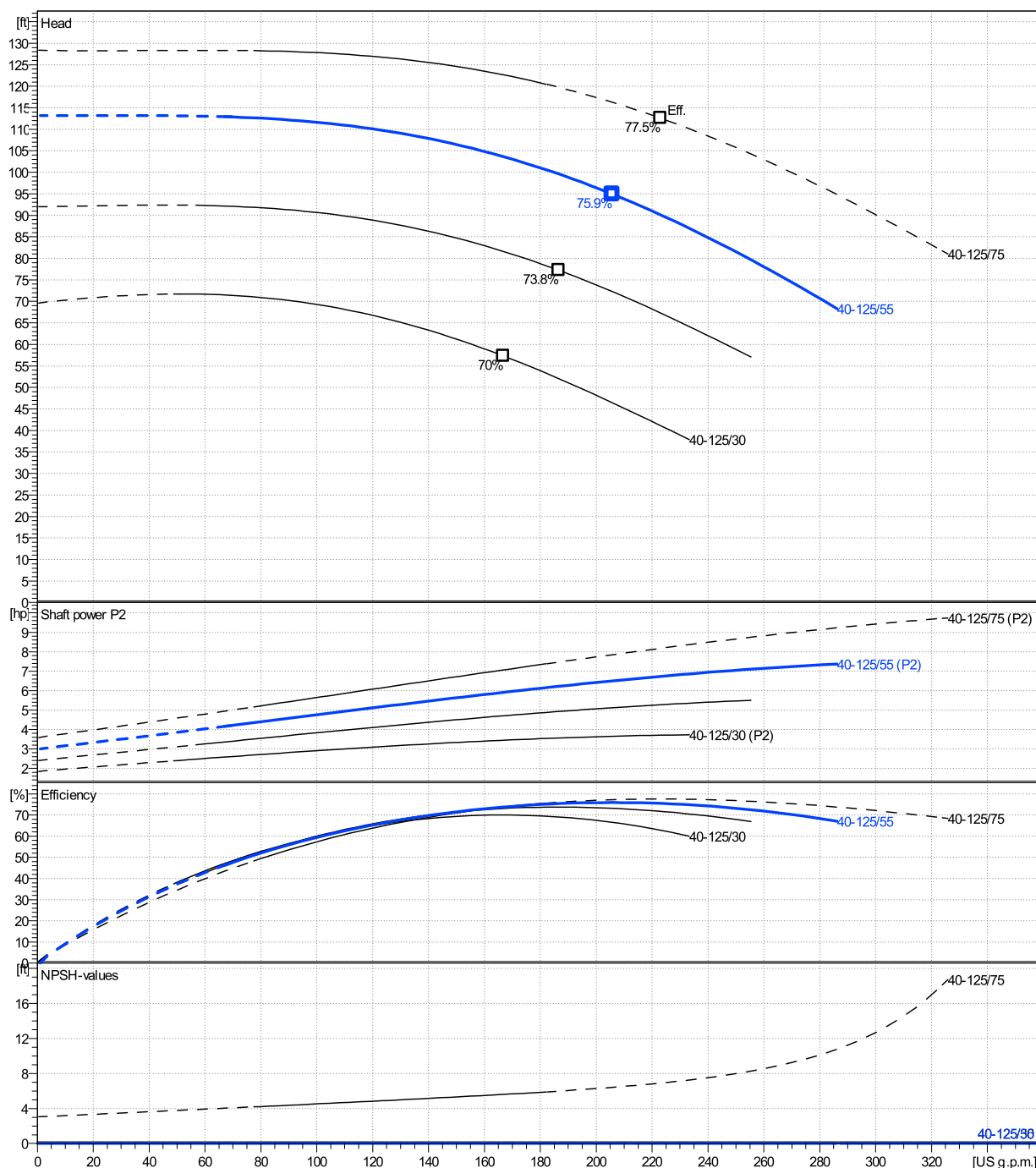
	Ø mm	Pump capacity Operating range			Pump head		Shaft power P2			Frequency		Hz
		Min. US g.p.m.	Max. US g.p.m.	Max. US g.p.m.	H(Q=0) ft	η ft	P2(Q=0) hp	Max. hp	η hp	Operating speed rpm	Nominal flow US g.p.m.	
actual	5 1/8	69.6	286	206	113	94.9		7.37	6.5			60
Min.	0	/	/	167	69.6	57.3		/	3.45			3500
Max.	5 5/16	/	/	223	128	113		/	8.17			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



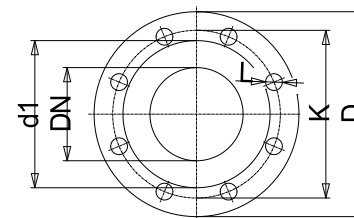
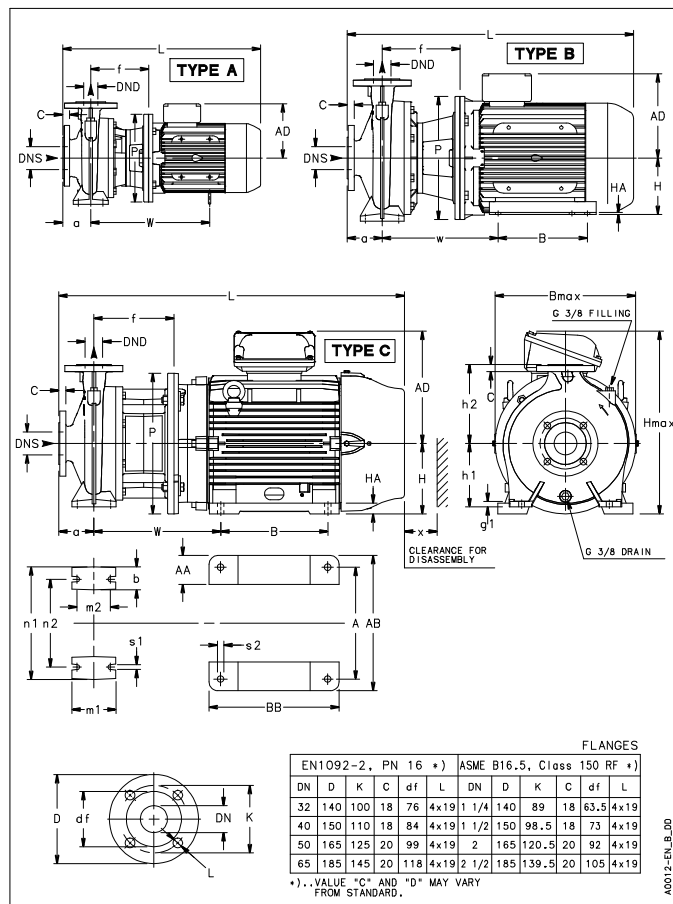
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Dimensions

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Blockpump
2 poles motor
PLM 132R B5 5,5 kW

Electrical and dimensional data refer to IE3 motor



Value C, D may vary from Standard

Dimensions [inch]

a	3 1/8		
AD	6 5/8		
b	1 15/16		
Bmax	11 13/16		
DNd	1 9/16		
DNs	2 9/16		
f	7 9/16		
g1	9/16		
h1	4 7/16		
h2	5 1/2		
Hmax	11 1/32		
L	25 1/2		
m1	3 15/16		
m2	2 3/4		
n1	8 1/4		
n2	6 5/16		
P	11 13/16		
s1	9/16		
Type	A		
Volumen			
w	15 11/16		
x	3 3/4		

Weight

Total weight	70 kg
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Connections

Suction nozzle	Discharge nozzle
DN 65	DN 40
PN 16	PN 16
EN1092-2	EN1092-2
C	13/16
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

Dimensions and weight without obligation

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