

NSCE32-125/05/X46RCS4

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	
14	Discharge nozzle	DN 32 /	PN 16 /	EN1092-2	
15	Max. casing pressure	psi			
16	Max. working pressure	psi	11.1		
17	Impeller type	Radial impeller			
18	Head H(Q=0)	ft	26		
19	Max. shaft power	hp	.6		
20	Pump weight	kg			
21	Total weight	lb	63.9		

Impeller Ø	Max.	inch	5 11/16
	designed	inch	5 1/4
	Min.	inch	4 5/8
	Nominal	US g.p.m.	
Flow	Max-	US g.p.m.	94.6
	Min-	US g.p.m.	23.2
	Nominal	ft	
Head	at Qmax	ft	11.9
	at Qmin	ft	26
	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

42	Manufacturer	Xylem			
43	Specific design	IE2 3ph Flange Motor			
44	Type	LLM480B14/305			
45	Rated power	0.73756 hp	Rated current	2.35 A	
46	Nominal speed	1740 rpm	Rated voltage	265 V	
47	Frame size	80	Service factor	1	
48	Weight	lb 18.1	Degree of protection	IP55	

Remarks

49	
50	
50	
52	

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Performance curve

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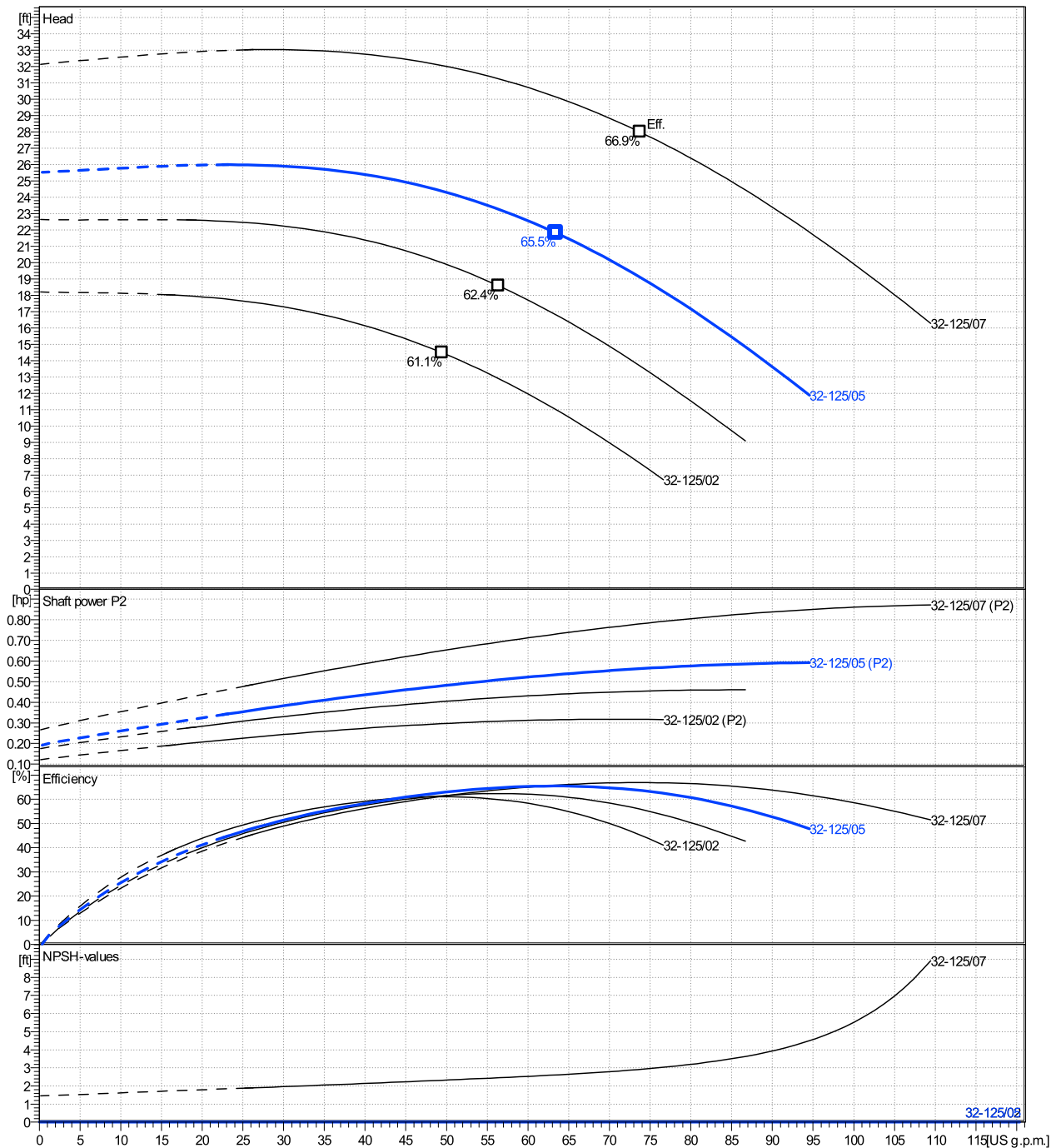
	Ø mm	Pump capacity Operating range Min. Max. Max. US g.p.m. US g.p.m. US g.p.m.			Pump head H(Q=0) Max. ft ft		Shaft power P2 P2(Q=0) Max. Max. hp hp hp			Frequency Hz 60		
		Min.	Max.	Max.	H(Q=0)	Max.	P2(Q=0)	Max.	Max.	Operating speed rpm	Nominal flow US g.p.m.	
actual	5 1/4	23.2	94.6	63.4	25.5	21.8		0.593	0.533			1740
Min.	0	/	/	49.4	18.2	14.5		/	0.296			0
Max.	5 11/16	/	/	73.8	32.1	28		/	0.78			0

Power datas referred to:

Water, pure [100%] ; 39.2°F; 62.4lb/ft³; 1.69E-5ft²/s

hydr. Performance acceptance acc. To EN ISO 9906 Class Grade 3B

MEI: N.A. - according to Ecodesign Directive 2009/125/EC and Regulation (EU) No.547/2012

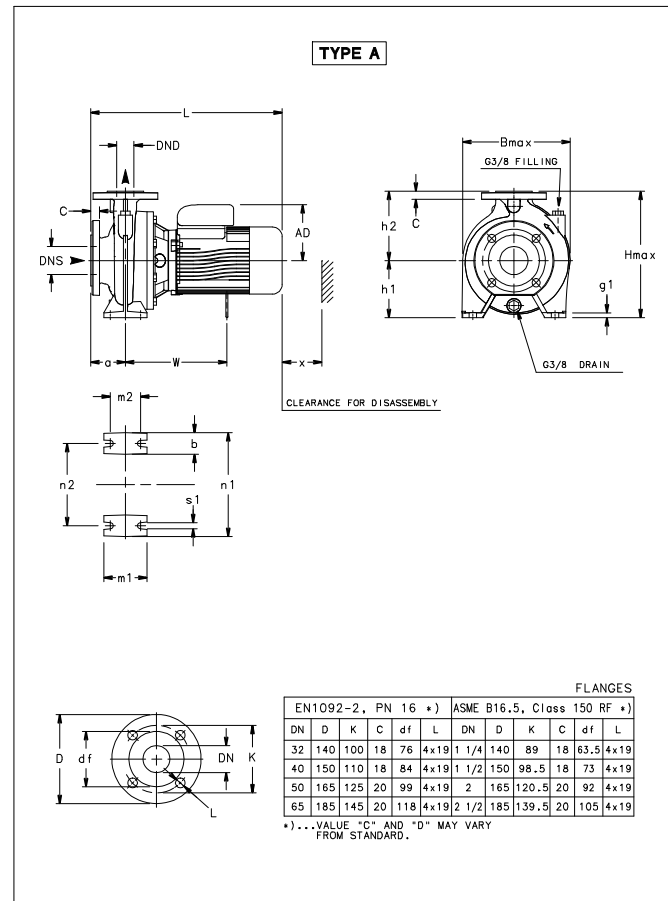


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Dimensions

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Extended shaft
4 poles motor
LLM480B14/305



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

Dimensions and weight without obligation

Project	Block	NSCE32-125/55/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 / ₁₆		
B max	9 ¹ / ₂		
b	1 ¹⁵ / ₁₆		
DND	1 ¹ / ₄		
DNS	1 ¹⁵ / ₁₆		
g1	9 ¹ / ₁₆		
H max	9 ¹⁵ / ₁₆		
h1	4 ⁷ / ₁₆		
h2	5 ¹ / ₂		
L	17 ⁷ / ₁₆		
m1	3 ¹⁵ / ₁₆		
m2	2 ³ / ₄		
n1	7 ¹ / ₂		
n2	5 ¹ / ₂		
s1	9 ¹ / ₁₆		
Type	A		
W	9 ¹ / ₄		
x	3 ³ / ₈		

Weight

Total weight	29 kg
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Connections

Suction nozzle	Discharge nozzle
DN 50	DN 32
PN 16	PN 16
EN1092-2	EN1092-2
C	1 ³ / ₁₆
D	6 ¹ / ₂
df	3 ⁷ / ₈
DN	1 ¹⁵ / ₁₆
K	4 ¹⁵ / ₁₆
L	4 x 19

