

NSCE32-125/07/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	1735 rpm	Stages	1	
13	Suction nozzle	DN 50 / PN 16 / EN1092-2	Impeller Ø	Max.	inch 5 11/16
14	Discharge nozzle	DN 32 / PN 16 / EN1092-2		designed	inch 5 11/16
				Min.	inch 4 5/8
15	Max. casing pressure	psi	Flow	Nominal	US g.p.m.
16	Max. working pressure	psi 13.9		Max-	US g.p.m. 109.1
17	Impeller type	Radial impeller		Min-	US g.p.m. 26.2
18	Head H(Q=0)	ft 32	Head	Nominal	ft
19	Max. shaft power	hp .9		at Qmax	ft 16.2
20	Pump weight	kg		at Qmin	ft 32.8
21	Total weight	lb 70.5	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	IE3 3ph Flange Motor		
44	Type	LLM490RB14/307		
45	Rated power	1.0058 hp	Rated current	2.6 A
46	Nominal speed	1735 rpm	Rated voltage	265 V
47	Frame size	90R	Service factor	1
48	Weight	lb 24.3	Degree of protection	IP55

Remarks

49	
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52	

NSCE32-125/07/X46RCS4

Performance curve

Company name
Contact
Phone number
e-mail address

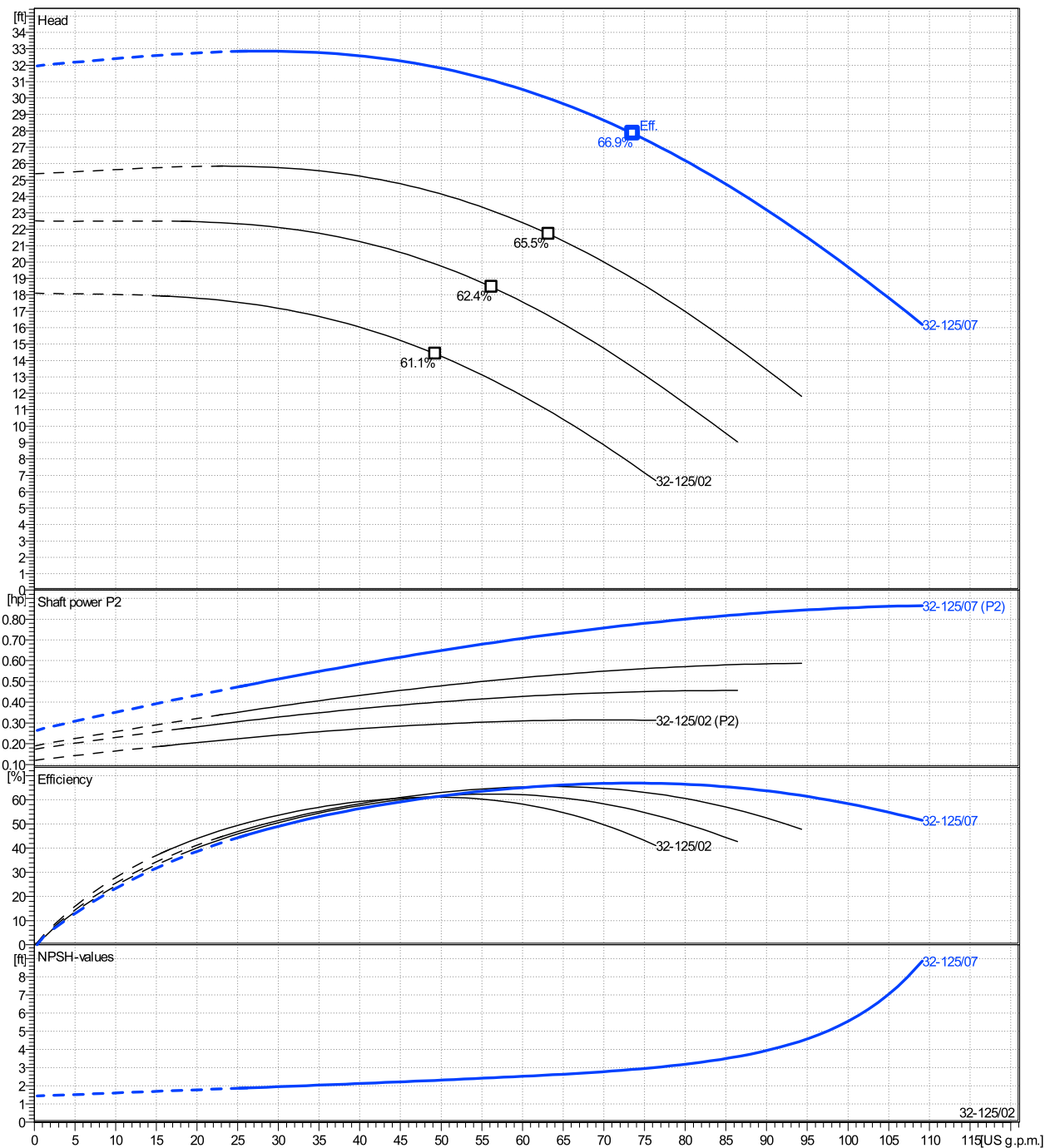
	Ø mm	Pump capacity Operating range			Pump head		Shaft power P2			Frequency	Hz	60
		Min. US g.p.m.	Max. US g.p.m.	Max. US g.p.m.	H(Q=0) ft	Max. ft	P2(Q=0) hp	Max. hp	Max. hp	Operating speed rpm		1735
actual	5 11/16	26.2	109	73.5	32	27.8		0.865	0.773	Nominal flow	US g.p.m.	0
Min.	0	/	/	49.3	18.1	14.4		/	0.294	Nominal head	ft	0
Max.	5 11/16	/	/	73.5	32	27.8		/	0.773	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

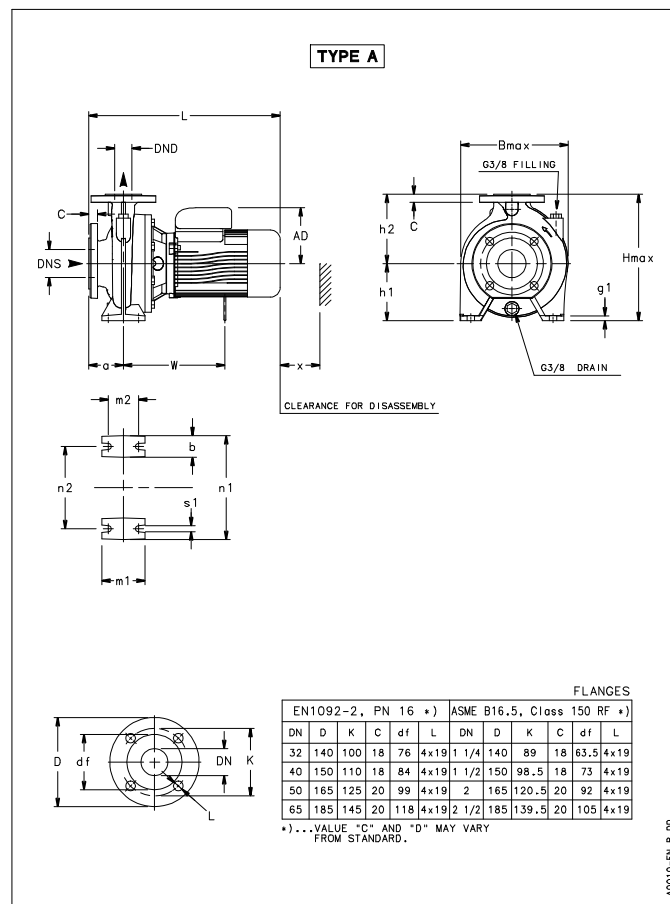


NSCE32-125/07/X46RCS4

Dimensions

Company name
Contact
Phone number
e-mail address

Extended shaft
4 poles motor
LLM490RB14/307



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	9/16		
H max	9 15/16		
h1	4 7/16		
h2	5 1/2		
L	16 3/16		
m1	3 15/16		
m2	2 3/4		
n1	7 1/2		
n2	5 1/2		
s1	9/16		
Type	A		
x	3 3/8		

Weight	
Total weight	32 kg

Connections			
Suction nozzle		Discharge nozzle	
DN 50		DN 32	
PN 16		PN 16	
EN1092-2		EN1092-2	
C	13/16	C	1 1/16
D	6 1/2	D	5 1/2
df	3 7/8	df	3
DN	1 15/16	DN	1 1/4
K	4 15/16	K	3 15/16
L	4 x 19	L	4 x 19

