

NSCE32-250/185/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	3540 rpm	Stages	1	
13	Suction nozzle	DN 50 / PN 16 / EN1092-2	Impeller Ø	Max. inch	9 15/16
14	Discharge nozzle	DN 32 / PN 16 / EN1092-2		designed inch	9 7/16
15	Max. casing pressure	psi		Min. inch	8 3/16
16	Max. working pressure	psi 159.8		Nominal US g.p.m.	
17	Impeller type	Radial impeller	Flow	Max- US g.p.m.	178.1
18	Head H(Q=0)	ft 370		Min- US g.p.m.	71.3
19	Max. shaft power	hp 26	Head	Nominal ft	
20	Pump weight	kg		at Qmax ft	259.9
21	Total weight	lb 343.9		at Qmin ft	363.4
			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 - Ø28mm	BQ7EGG-WA
25	Impeller	Fabricated Stainless Steel	Mechanical seal diameter	1 1/8 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 160 B34 18,5 kW		
45	Rated power	24.809 hp	Rated current	58.3 A
46	Nominal speed	3540 rpm	Rated voltage	220 V
47	Frame size	160	Service factor	1
48	Weight	lb 257.9	Degree of protection	IP55

Remarks

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Project	Created by	Last update	1/9/2025
Block	Created on	1/9/2025	

NSCE32-250/185/P26PCS4

Performance curve

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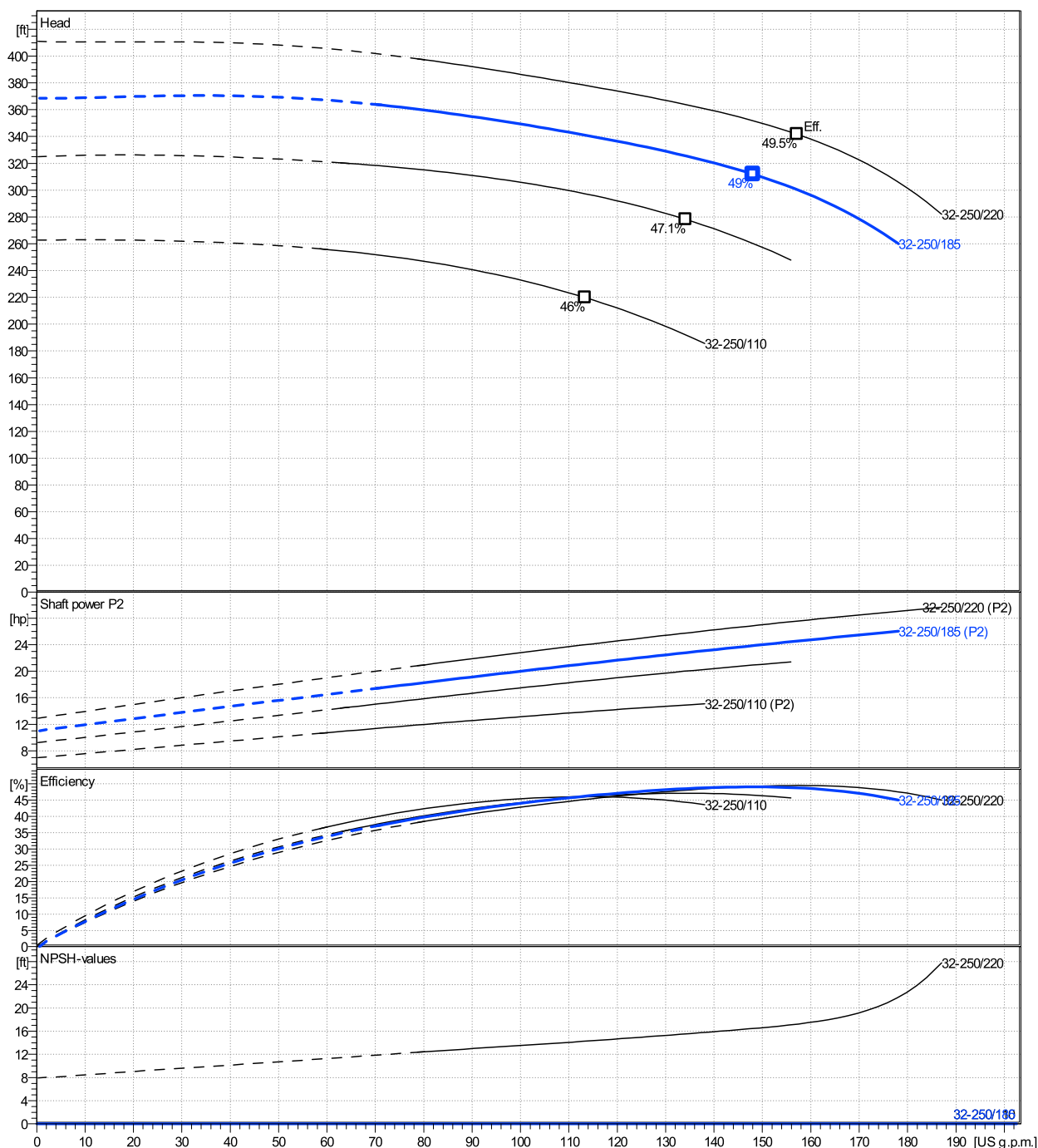
	Ø mm	Pump capacity Operating range			Pump head		Shaft power P2			Frequency		Hz
		Min. US g.p.m.	Max. US g.p.m.	Max. US g.p.m.	H(Q=0) ft	η Max. ft	P2(Q=0) hp	Max. hp	η Max. hp	Operating speed rpm	Nominal flow US g.p.m.	
actual	9 7/16	71.3	178	148	368	312		26	23.9			60
Min.	0	/	/	113	263	220		/	13.9			3540
Max.	9 15/16	/	/	157	411	342		/	27.6			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



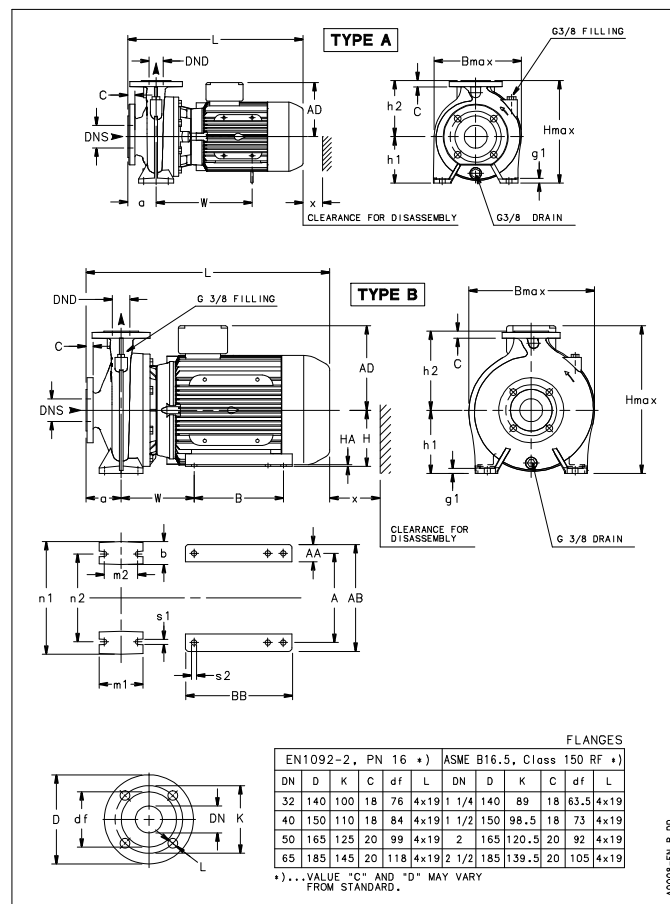
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Dimensions

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Extended shaft
2 poles motor
PLM 160 B34 18,5 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	NSCE32-250/220/P26PCS4	Created by	Created on	1/9/2025	Last update	1/9/2025
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Dimensions [inch]			
A (Motor)	10	Type	B
a	3 ¹⁵ / ₁₆	W	8 ³ / ₁₆
AA	1 ¹⁵ / ₁₆	x	3 ³ / ₄
AB	11 ¹⁵ / ₁₆		
AD	9 ⁷ / ₁₆		
B (Motor)	10		
B max	13 ¹ / ₂		
b	2 ⁹ / ₁₆		
BB	11 ¹⁵ / ₁₆		
DND	1 ¹ / ₄		
DNS	1 ¹⁵ / ₁₆		
g1	5 ⁵ / ₈		
H (Motor)	6 ⁵ / ₁₆		
H max	16 ⁹ / ₁₆		
h1	7 ¹ / ₁₆		
h2	8 ⁷ / ₈		
HA	3 ³ / ₁₆		
L	27 ⁵ / ₁₆		
m1	4 ¹⁵ / ₁₆		
m2	3 ³ / ₄		
n1	12 ⁵ / ₈		
n2	9 ¹³ / ₁₆		
s1	9 ⁹ / ₁₆		
s2	9 ⁹ / ₁₆		

Connections			
Suction nozzle		Discharge nozzle	
DN 50		DN 32	
PN 16		PN 16	
EN1092-2		EN1092-2	
C	13 ¹⁵ / ₁₆	C	11 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

