LOWARA
a xylem brand

NSCE50-125/92/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		Impeller Ø	Max.	inch	5 11/16
11	Design	Horizontal			designed	inch	5 1/2
12	Operating speed	3590 rpm	Stages 1		Min.	inch	4 5/8
13	Suction nozzle	DN 65 / PN 16 / EN1092-2		Flow	Nominal	US g.p.m.	
14	Discharge nozzle	DN 50 / PN 16 / EN1092-2			Max-	US g.p.m.	551
15	Max. casing pressure	psi			Min-	US g.p.m.	131
16	Max. working pressure	psi	55.4	Head	Nominal	ft	
17	Impeller type		Radial impeller		at Qmax	ft	51.8
18	Head H(Q=0)	ft	130		at Qmin	ft	123.5
19	Max. shaft power	hp	13	Shaft power		hp	
20	Pump weight	kg		Efficiency		%	
21	Total weight	lb	185.2	NPSH 3%		ft	

Materials

	Pump		Shaft Seal	
22				
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)
32				
33				
34				
35				
36				
37				
38				
39				
40				
41				

Motor data

Electrical and dimensional data refer to IE3 motor

42	Manufacturer	Lowara		
43	Specific design	IE3 3ph Flange Motor		
44	Type	PLM 132 B14 9,2 kW		
45	Rated power	12.337 hp	Rated current	30.6 A
46	Nominal speed	3590 rpm	Rated voltage	220 V
47	Frame size	132	Service factor	1
48	Weight lb	224.9	Degree of protection	IP55

Remarks

49	
50	
50	
52	

Project
Block NSCE50-125/110/P26PCS4

Created by
Created on 1/9/2025

Last update 1/9/2025

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Performance curve

Company name
Contact
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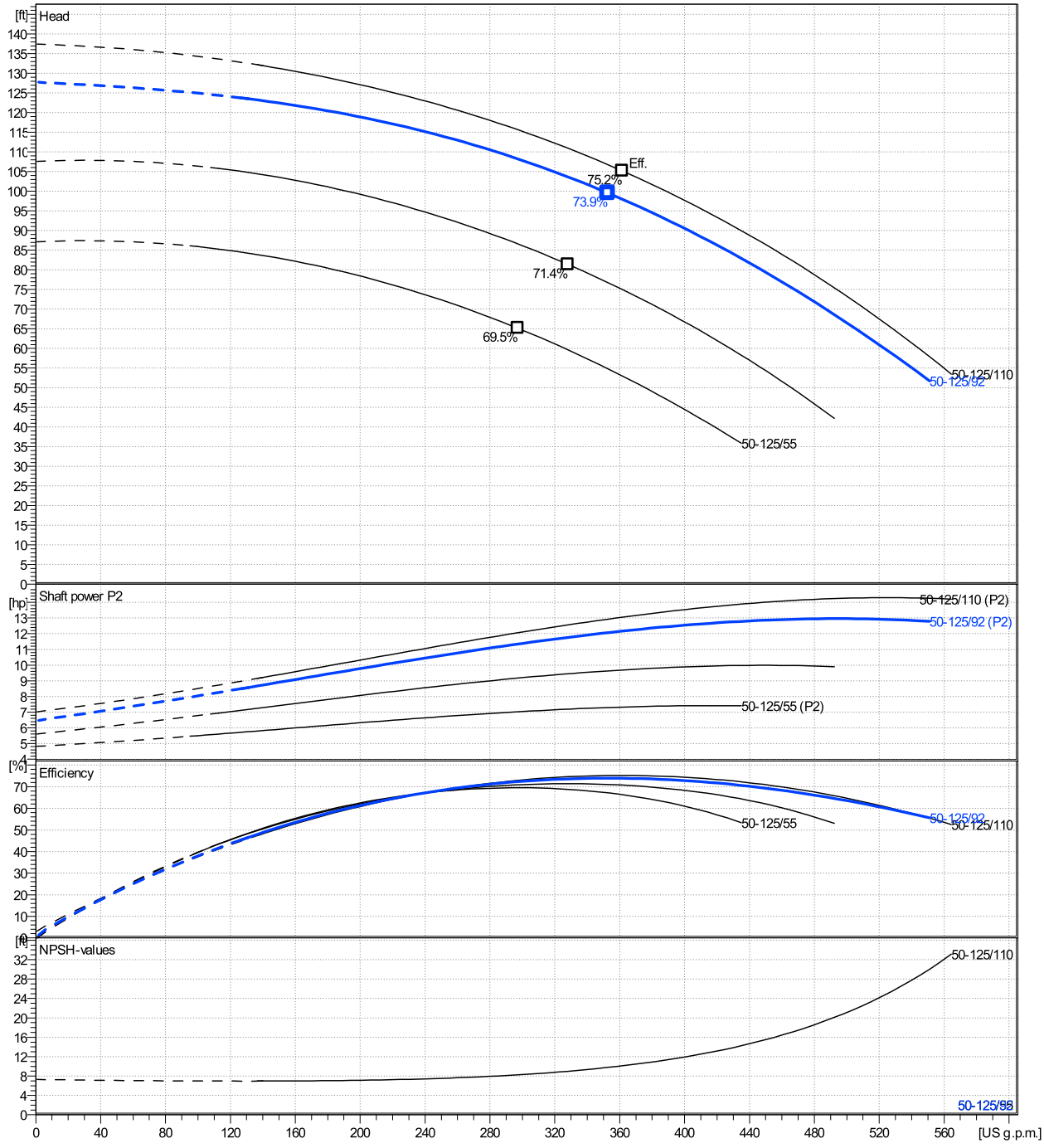
	Ø	Pump capacity Operating range Min.	Max.	η Max.	Pump head H(Q=0)	η Max.	Shaft power P2 P2(Q=0)	Max.	η Max.			
	mm	US g.p.m.	US g.p.m.	US g.p.m.	ft	ft	hp	hp	hp			
actual	5 1/2	131	551	353	128	99.6		13	12.1	Frequency	Hz	60
Min.	0	/	/	297	87.1	65.2		/	7.03	Operating speed	rpm	3590
Max.	5 11/16	/	/	362	137	105		/	13.1	Nominal flow	US g.p.m.	0
										Nominal head	ft	0
										Inlet pressure	psi	0
										Static head	ft	0

Power datas refered 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



Project		Created by		Last update	1/9/2025
Block	NSCE50-125/110/P26PCS4	Created on	1/9/2025		

Program version: 75.0 - 06/11/2024 (Build 274)
Data version: 15/12/2024 18:59
User group(s): Xylem: United Kingdom - EXT

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Dimensions

Company name
Contact
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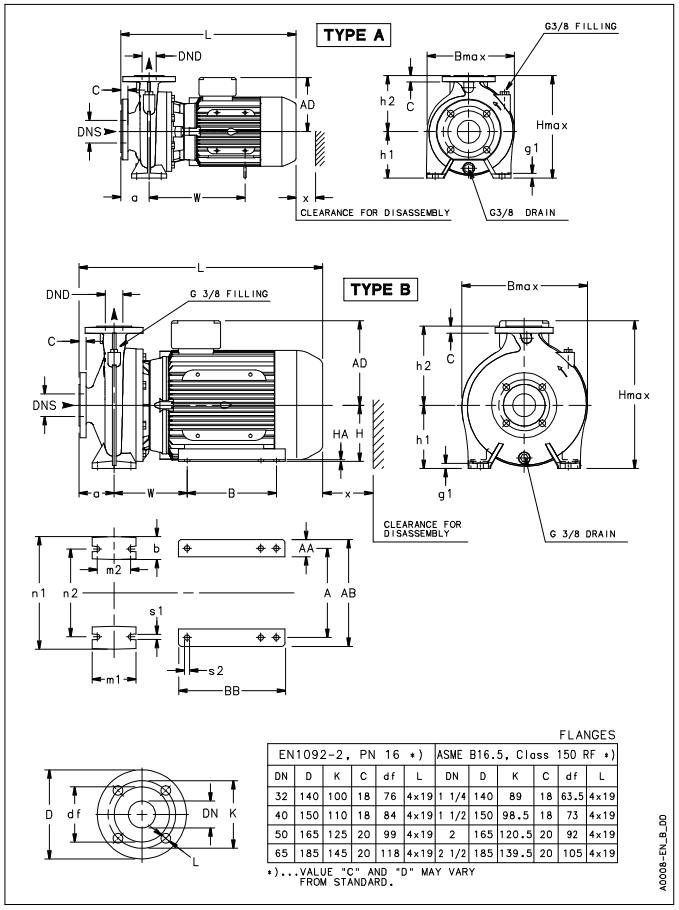
Extended shaft
2 poles motor
PLM 132 B14 9,2 kW



EN1092-2, PN 16 *)						ASME B16.5, Class 150 RF *)					
DN	D	K	C	df	L	DN	D	K	C	df	L
32	140	100	18	76	4x19	1 1/4	140	89	18	63.5	4x19
40	150	110	18	84	4x19	1 1/2	150	98.5	18	73	4x19
50	165	125	20	99	4x19	2	165	120.5	20	92	4x19
65	185	145	20	118	4x19	2 1/2	185	139.5	20	105	4x19

*)...VALUE "C" AND "D" MAY VARY FROM STANDARD.

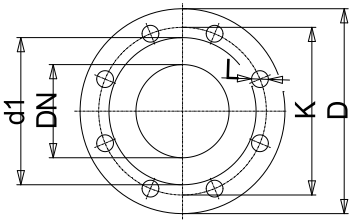
Note:
Weight and Dimensions of selected Hydrovar are NOT considered.
Please refer to additional datasheet.

Dimensions and weight without obligation

Electrical and dimensional data refer to IE3 motor

Dimensions [inch]			
a	$3^{15}/_{16}$		
AD	$7^{1}/_{2}$		
B max	$10^{3}/_{8}$		
b	$1^{15}/_{16}$		
DND	$1^{15}/_{16}$		
DNS	$2^{9}/_{16}$		
g1	$^{9}/_{16}$		
H max	$12^{11}/_{16}$		
h1	$5^{3}/_{16}$		
h2	$6^{5}/_{16}$		
L	$23^{7}/_{8}$		
m1	$3^{15}/_{16}$		
m2	$2^{3}/_{4}$		
n1	$9^{7}/_{16}$		
n2	$7^{1}/_{2}$		
s1	$^{9}/_{16}$		
Type	A		
W	$13^{9}/_{16}$		
x	$4^{3}/_{16}$		

Weight	
Total weight	**84 kg**



Value C, D may vary from Standard

Connections			
Suction nozzle		**Discharge nozzle**	
DN 65		**DN 50**	
PN 16		**PN 16**	
EN1092-2		**EN1092-2**	
C	$^{13}/_{16}$	C	$^{13}/_{16}$
D	$7^{5}/_{16}$	D	$6^{1}/_{2}$
df	$4^{5}/_{8}$	df	$3^{7}/_{8}$
DN	$2^{9}/_{16}$	DN	$1^{15}/_{16}$
K	$5^{11}/_{16}$	K	$4^{15}/_{16}$
L	4 x 19	L	4 x 19

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