LOWARA
a xylem brand

NSCE 32-250/92/P25VCS4

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	°C	4	
3	Nominal flow	m³/h	0	Max / Min Operating Temperature mech. Seal	°C	120 / -25	
4	Nominal head	m	0	pH-value at t A		7	
5	Static head	m	0	Density at t A	kg/m³	1000	
6	Inlet pressure	kPa	0	Kin. viscosity at t A	mm²/s	1.569	
7	Environmental temperature	°C	20	Vapor pressure at t A	kPa	100	
8	Available system NPSH	m	0	Altitude		0	

Pump data

9	Lubrication	Standard, Grease lubrication [Std]					
10	Execution	2 poles motor		Impeller Ø	Max.	mm	259
11	Design	Horizontal			designed	mm	226
12	Operating speed	2920 rpm	Stages 1		Min.	mm	214
13	Suction nozzle	DN 50 / PN 16 / EN1092-2		Flow	Nominal	m³/h	
14	Discharge nozzle	DN 32 / PN 16 / EN1092-2			Max-	m³/h	31.2
15	Max. casing pressure	kPa			Min-	m³/h	12.3
16	Max. working pressure	kPa	664.4	Head	Nominal	m	
17	Impeller type		Radial impeller		at Qmax	m	48.3
18	Head H(Q=0)	m	68		at Qmin	m	66.9
19	Max. shaft power	kW	9.2	Shaft power		kW	
20	Pump weight	kg		Efficiency		%	
21	Total weight	kg	86.0	NPSH 3%		m	

Materials

	Pump		Shaft Seal	
22				
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	28 mm
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	9.2 kW	Rated current	17.4 A
46	Nominal speed	2920 rpm	Rated voltage	400 V
47	Frame size	132	Service factor	1
48	Weight kg	70.4	Degree of protection	IP55

Remarks

49	
50	
50	
52	

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Performance curve

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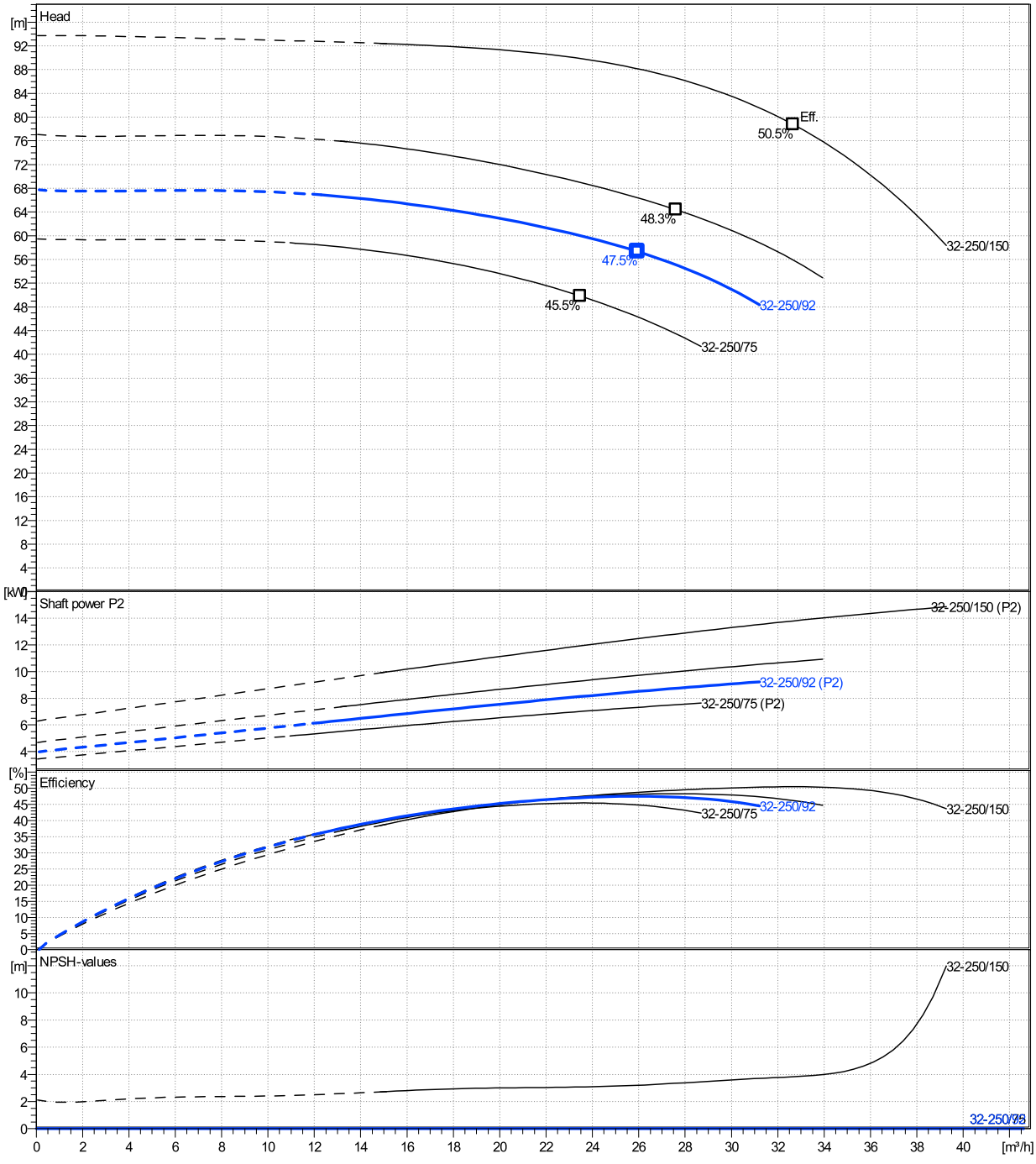
	Ø	Pump capacity Operating range Min.	Max.	η Max.	Pump head H(Q=0)	η Max.	Shaft power P2 P2(Q=0)	Max.	η Max.			
	mm	m³/h	m³/h	m³/h	m	m	kW	kW	kW	Frequency	Hz	50
actual	226	12.3	31.2	25.9	67.7	57.3		9.23	8.51	Operating speed	rpm	2920
Min.	0	/	/	23.5	59.5	49.8		/	7.01	Nominal flow	m³/h	0
Max.	259	/	/	32.7	93.8	78.8		/	13.8	Nominal head	m	0
										Inlet pressure	kPa	0
										Static head	m	0

Power datas refered to:

Water, pure [100%] ; 4°C; 1000kg/m³; 1.57mm²/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	Xylect-20123544	**Created by**		**Last update**	10/30/2024
Block	NSCE 32-250/150/P25VCS4	**Created on**	10/30/2024		

Program version: 74.0 - 01.07.2024 (Build 136)
Data version: 07/10/2024 08:08
User group(s): Xylem: United Kingdom - EXT

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NSCE 32-250/92/P25VCS4

Dimensions

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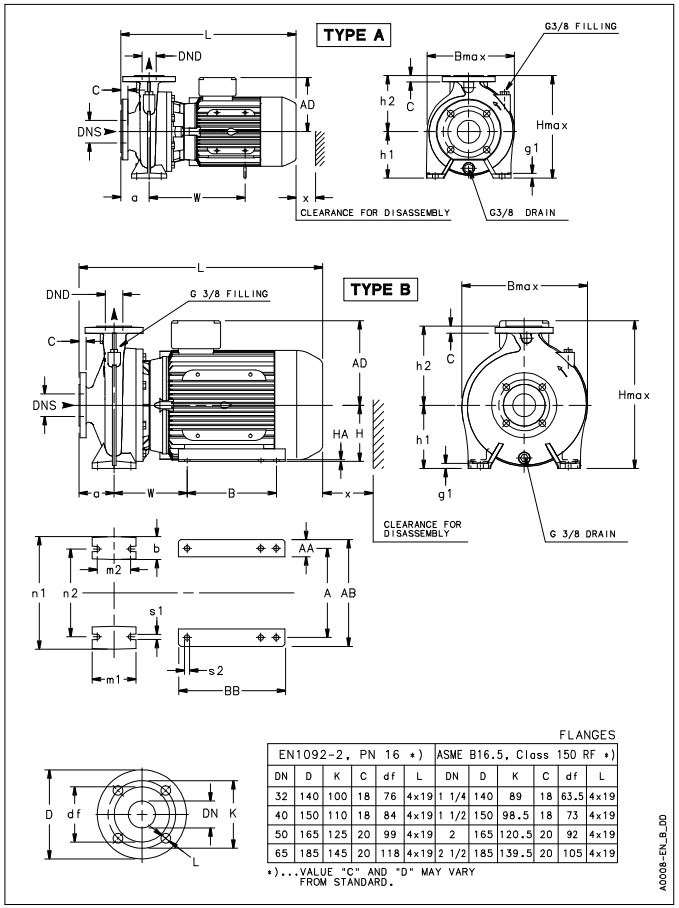
Extended shaft
2 poles motor
PLM 132 B14 9,2 kW



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

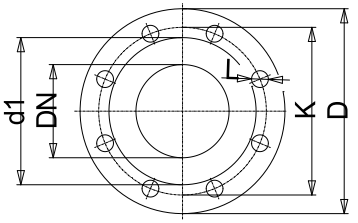
Electrical and dimensional data refer to IE3 motor

Dimensions [mm]

a	100		
AD	191		
B max	334		
b	65		
DND	32		
DNS	50		
g1	21		
H max	405		
h1	180		
h2	225		
L	605		
m1	125		
m2	95		
n1	320		
n2	250		
s1	14		
Type	A		
W	343		
x	95		

Weight

Total weight	**86 kg**



Value C, D may vary from Standard

Connections

Suction nozzle		Discharge nozzle	
DN 50		**DN 32**	
PN 16		**PN 16**	
EN1092-2		**EN1092-2**	
C	20	C	18
D	165	D	140
df	99	df	76
DN	50	DN	32
K	125	K	100
L	4 x 19	L	4 x 19

Dimensions and weight without obligation

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