

NSCE 32-250/15/P45RCS4

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	4 poles motor		
11	Design	Horizontal		
12	Operating speed	1440 rpm	Stages	1
13	Suction nozzle	DN 50 / PN 16 / EN1092-2	Impeller Ø	Max. mm 259
14	Discharge nozzle	DN 32 / PN 16 / EN1092-2		designed mm 239
				Min. mm 214
15	Max. casing pressure	kPa	Flow	Nominal m³/h
16	Max. working pressure	kPa 180.6		Max- m³/h 16.7
17	Impeller type	Radial impeller		Min- m³/h 6.6
18	Head H(Q=0)	m 18	Head	Nominal m
19	Max. shaft power	kW 1.3		at Qmax m 12
20	Pump weight	kg		at Qmin m 17.8
21	Total weight	kg 51.0	Shaft power	kW
			Efficiency	%
			NPSH 3%	m

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	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)
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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 90 B14 1,5 kW		
45	Rated power	1.5 kW	Rated current	3.7 A
46	Nominal speed	1440 rpm	Rated voltage	400 V
47	Frame size	90	Service factor	1
48	Weight	kg 20.0	Degree of protection	IP55

Remarks

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Project	Xylect-20123544	Created by		Last update	10/30/2024
Block	NSCE 32-250/150/P25VCS4	Created on	10/30/2024		

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Performance curve

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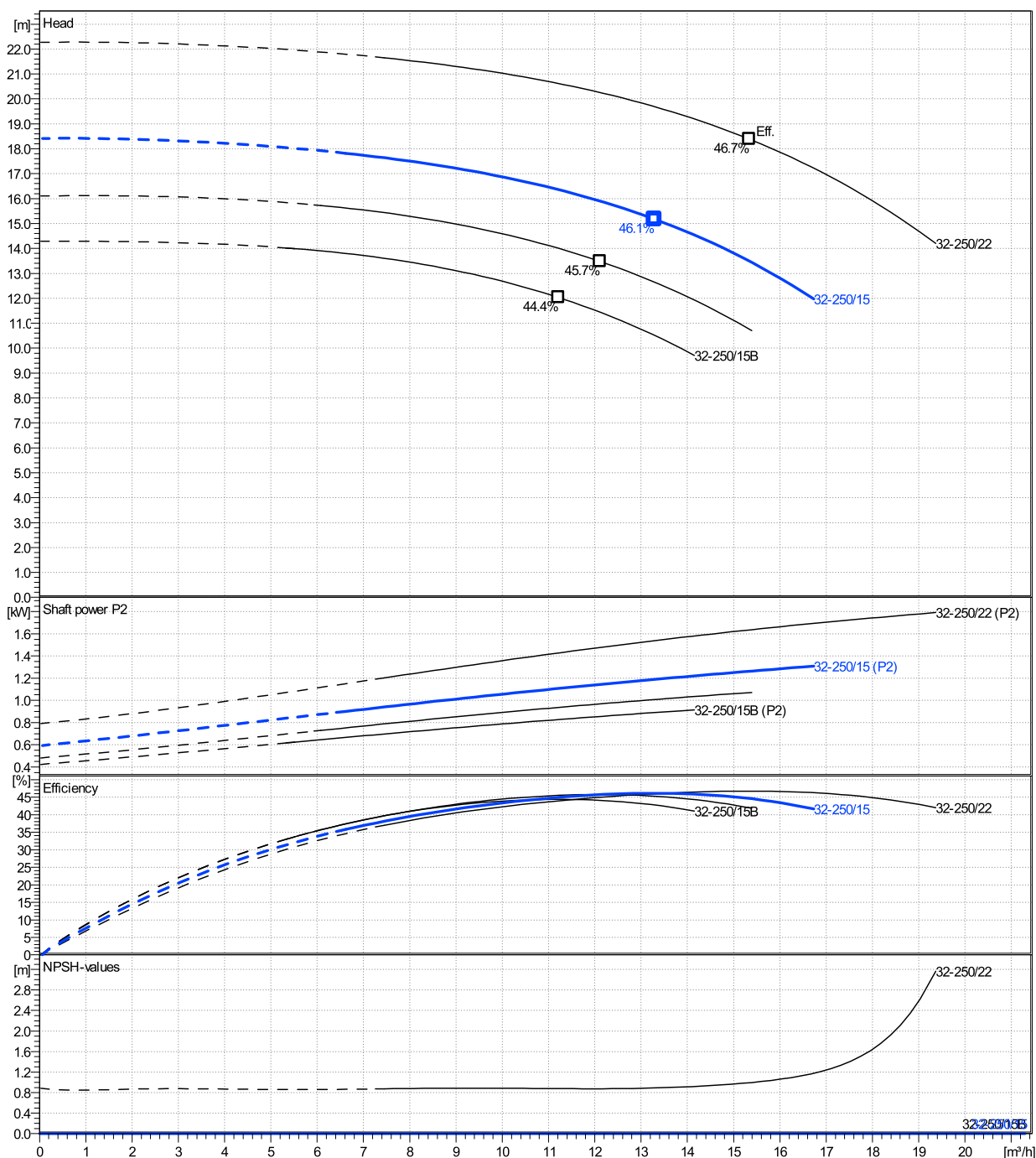
	Ø mm	Pump capacity Operating range			Pump head		Shaft power P2			Frequency		Hz
		Min. m³/h	Max. m³/h	η Max. m³/h	H(Q=0) m	η Max. m	P2(Q=0) kW	Max. kW	η Max. kW	Operating speed	rpm	
actual	239	6.61	16.7	13.3	18.4	15.2		1.31	1.19	Nominal flow	m³/h	0
Min.	0	/	/	11.2	14.3	12		/	0.827	Nominal head	m	0
Max.	259	/	/	15.3	22.3	18.4		/	1.64	Inlet pressure	kPa	0
										Static head	m	0

Power datas referred to:

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

Water, pure [100%] ; 4°C; 1000kg/m³; 1.57mm²/s

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



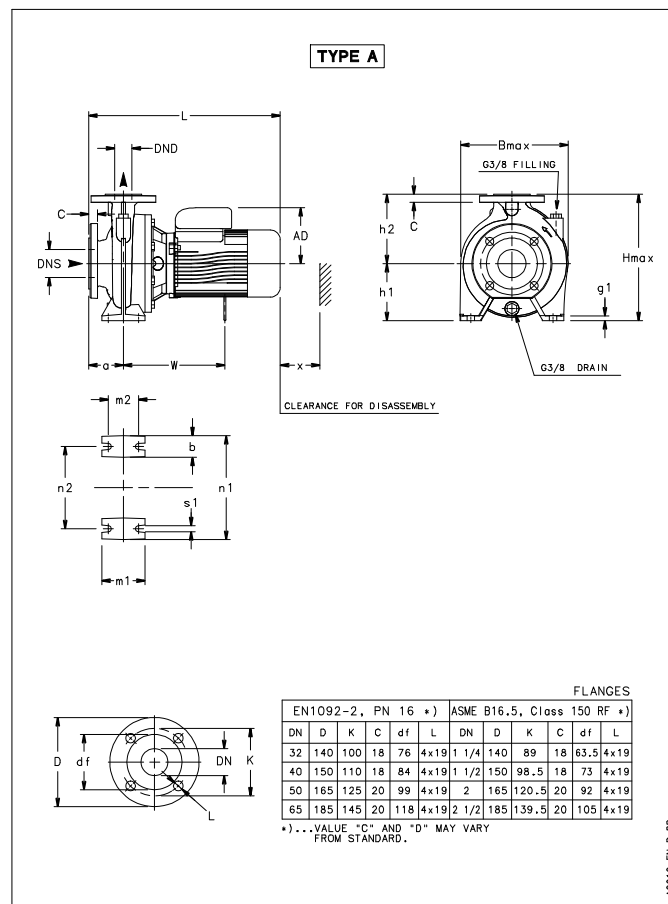
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Dimensions

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Extended shaft
4 poles motor
PLM 90 B14 1,5 kW

Electrical and dimensional data refer to IE3 motor



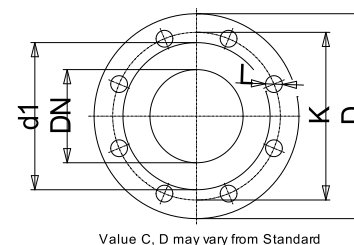
Dimensions		[mm]	
a	100		
AD	134		
B max	334		
b	65		
DND	32		
DNS	50		
g1	21		
H max	405		
h1	180		
h2	225		
L	498		
m1	125		
m2	95		
n1	320		
n2	250		
s1	14		
Type	A		
W	245		
x	95		

Weight

Total weight 51 kg

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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Created by
Created on 10/30/2024

Last update 10/30/2024