

NSCE 32-125/30/P25RCS4

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			
11	Design	Horizontal			
12	Operating speed	2865 rpm	Stages	1	
13	Suction nozzle	DN 50 / PN 16 / EN1092-2	Impeller Ø	Max.	mm 145
14	Discharge nozzle	DN 32 / PN 16 / EN1092-2		designed	mm 145
15	Max. casing pressure	kPa		Min.	mm 113
16	Max. working pressure	kPa 265.3		Nominal	m³/h
17	Impeller type	Radial impeller	Flow	Max-	m³/h 40.5
18	Head H(Q=0)	m 27		Min-	m³/h 9.9
19	Max. shaft power	kW 2.8	Head	Nominal	m
20	Pump weight	kg		at Qmax	m 14.7
21	Total weight	kg 38.0		at Qmin	m 27.9
			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 - Ø22mm	BQ7EGG-WA
25	Impeller	Fabricated Stainless Steel	Mechanical seal diameter	22 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 3 kW		
45	Rated power	3 kW	Rated current	11 A
46	Nominal speed	2865 rpm	Rated voltage	230 V
47	Frame size	90	Service factor	1
48	Weight	kg 21.0	Degree of protection	IP55

Remarks

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Block	NSCE 32-125/30/P25RCS4	Created on	10/30/2024		

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Performance curve

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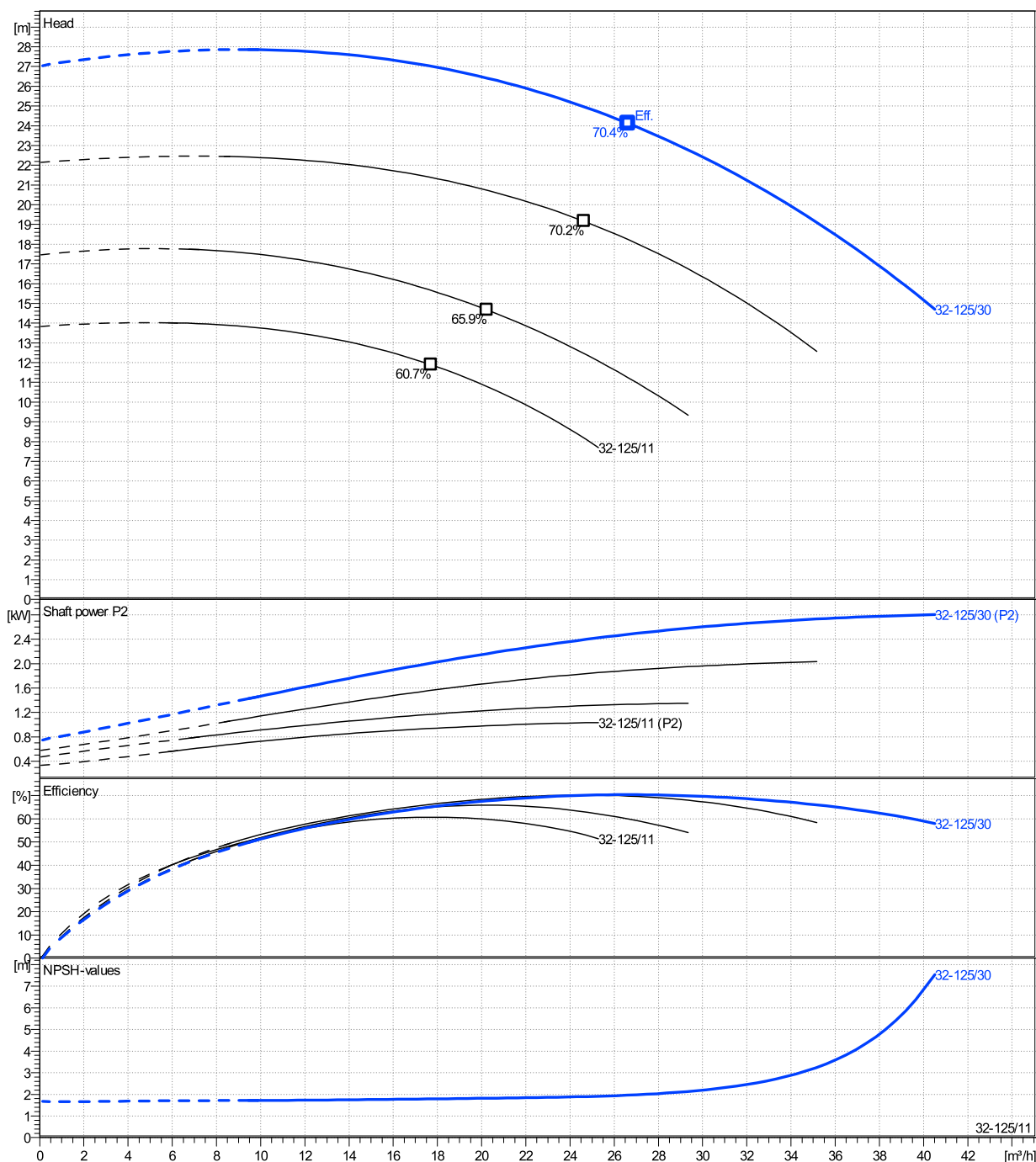
	Ø mm	Pump capacity Operating range			Pump head		Shaft power P2			Frequency		Hz
		Min. m³/h	Max. m³/h	η Max. m³/h	H(Q=0) m	η Max. m	P2(Q=0) kW	Max. kW	η Max. kW	Operating speed	rpm	
actual	145	9.88	40.5	26.6	27	24.1		2.81	2.48	Nominal flow	m³/h	0
Min.	0	/	/	17.7	13.8	11.9		/	0.938	Nominal head	m	0
Max.	145	/	/	26.6	27	24.1		/	2.48	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



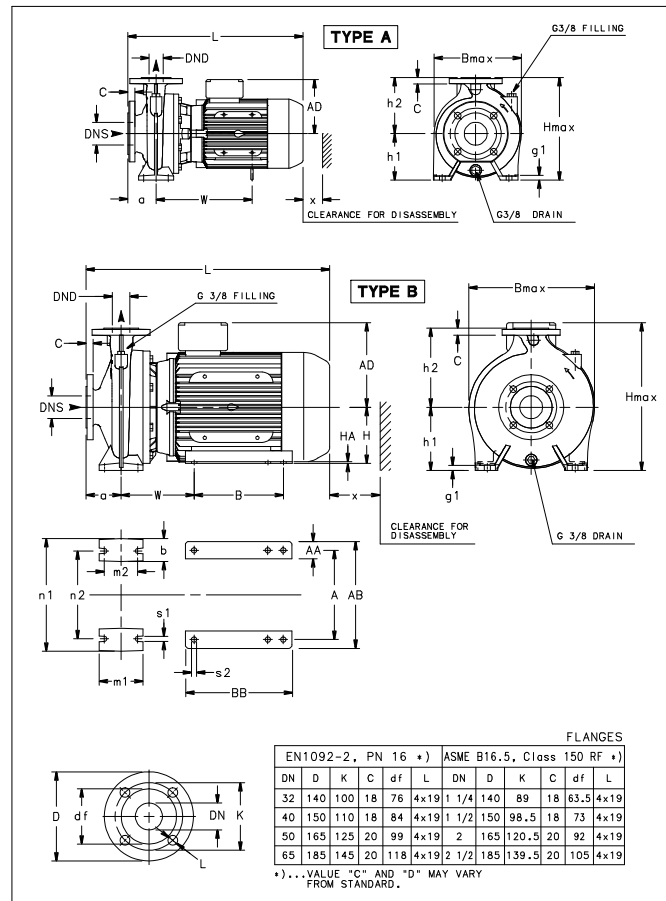
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Dimensions

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Extended shaft
2 poles motor
PLM 90 B14 3 kW

Electrical and dimensional data refer to IE3 motor



Dimensions [mm]

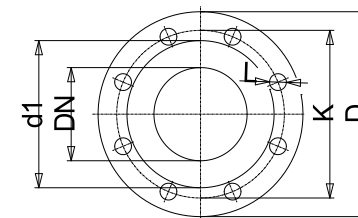
a	80
AD	134
B max	242
b	50
DND	32
DNS	50
g1	14
H max	252
h1	112
h2	140
L	478
m1	100
m2	70
n1	190
n2	140
s1	14
Type	A
W	245
x	86

Weight

Total weight	38 kg
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Connections

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



Value C, D may vary from Standard

Dimensions and weight without obligation

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