

NSCS 32-200/40/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	205		
11	Design	Horizontal				designed	mm	171		
12	Operating speed	2900 rpm	Stages	1		Min.	mm	158		
13	Suction nozzle	DN 50	/	PN 16	/	EN1092-2	Nominal	m³/h		
14	Discharge nozzle	DN 32	/	PN 16	/	EN1092-2	Flow	Max-	m³/h	28
15	Max. casing pressure	kPa					Min-	m³/h	7.5	
16	Max. working pressure	kPa	394.3				Head	Nominal	m	
17	Impeller type		Radial impeller					at Qmax	m	29.2
18	Head H(Q=0)	m	40					at Qmin	m	40
19	Max. shaft power	kW	3.9				Shaft power	kW		
20	Pump weight	kg					Efficiency	%		
21	Total weight	kg	51.6				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 - Premium Efficiency		
44	Type	PLM 112R B5 4 kW		
45	Rated power	4 kW	Rated current	7.62 A
46	Nominal speed	2885 rpm	Rated voltage	400 V
47	Frame size	112R	Service factor	1
48	Weight	kg 25.0	Degree of protection	IP55

Remarks

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Block	NSCS 32-200/75/P25VCS4	Created on	12/6/2024		

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Performance curve

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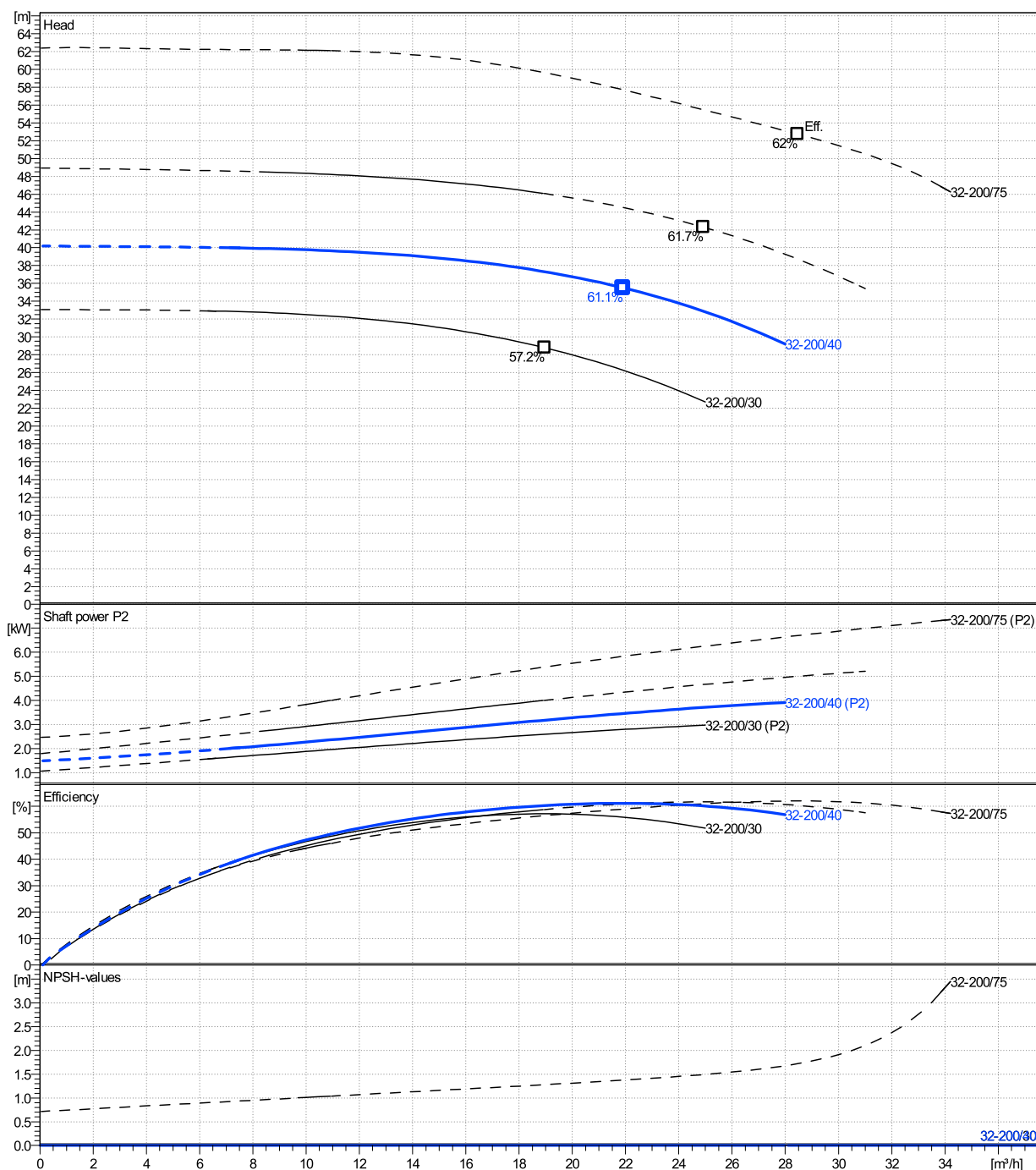
	Ø mm	Pump capacity Operating range			Pump head		Shaft power P2			Frequency		
		Min. m³/h	Max. m³/h	η Max. m³/h	H(Q=0) m	η Max. m	P2(Q=0) kW	Max. kW	η Max. kW	Operating speed	rpm	
actual	171	7.5	28	21.9	40.2	35.5		3.92	3.46	Nominal flow	m³/h	0
Min.	0	/	/	19	33.1	28.8		/	2.6	Nominal head	m	0
Max.	205	/	/	28.5	62.4	52.7		/	6.69	Inlet pressure	kPa	0
										Static head	m	0

Power datas referred to:

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

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

MEI: >=0,4



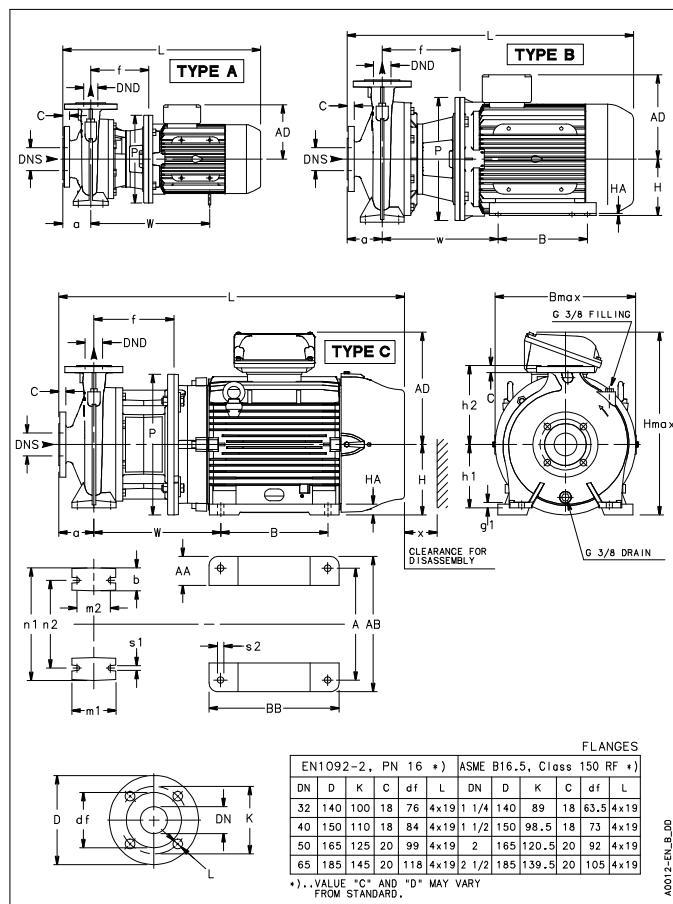
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Dimensions

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Blockpump
2 poles motor
PLM 112R B5 4 kW

Electrical and dimensional data refer to IE3 motor



Dimensions [mm]

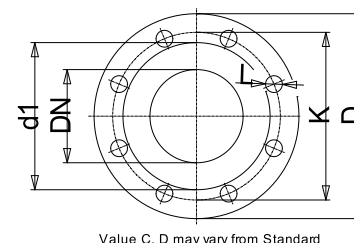
a	80
AD	154
b	50
Bmax	286
DNd	32
DN s	50
f	165
g1	14
h1	160
h2	180
Hmax	340
L	564
m1	100
m2	70
n1	240
n2	190
P	250
s1	14
Type	A
Volumen	0.054843
w	338
x	86

Weight

Total weight	51.6 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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