

NSCS 32-200/75/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				
11	Design	Horizontal				Impeller Ø
12	Operating speed	2900 rpm	Stages	1		
13	Suction nozzle	DN 50	/	PN 16	/	EN1092-2
14	Discharge nozzle	DN 32	/	PN 16	/	EN1092-2
15	Max. casing pressure	kPa				Flow
16	Max. working pressure	kPa	611.9			
17	Impeller type	Radial impeller				Head
18	Head H(Q=0)	m	62			
19	Max. shaft power	kW	7.4			Shaft power
20	Pump weight	kg				
21	Total weight	kg	80.2			Efficiency
						NPSH 3%

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 132 B5 7,5 kW			
45	Rated power	7.5 kW	Rated current	14.1 A	
46	Nominal speed	2920 rpm	Rated voltage	400 V	
47	Frame size	132	Service factor	1	
48	Weight	kg 56.0	Degree of protection	IP55	

Remarks					
49					
50					
50					
52					

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Performance curve

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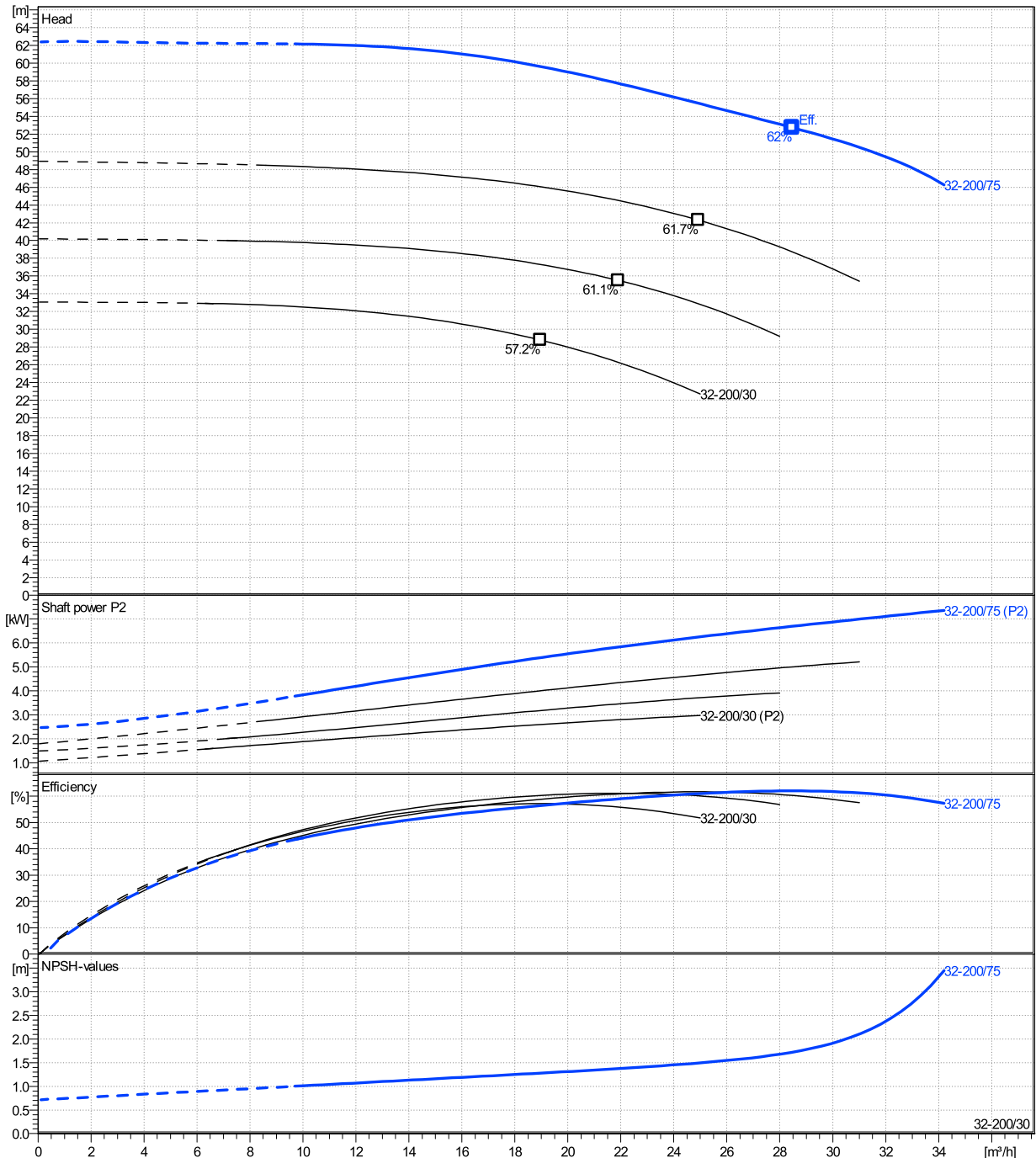
	Ø mm	Pump capacity η			Pump head η		Shaft power P2 η			Frequency	Hz	50
		Operating range Min. m³/h	Max. m³/h	Max. m³/h	H(Q=0) m	Max. m	P2(Q=0) kW	Max. kW	Max. kW	Operating speed	rpm	2900
actual	205	10	34.2	28.5	62.4	52.7		7.36	6.69	Nominal flow	m³/h	0
Min.	0	/	/	19	33.1	28.8		/	2.6	Nominal head	m	0
Max.	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



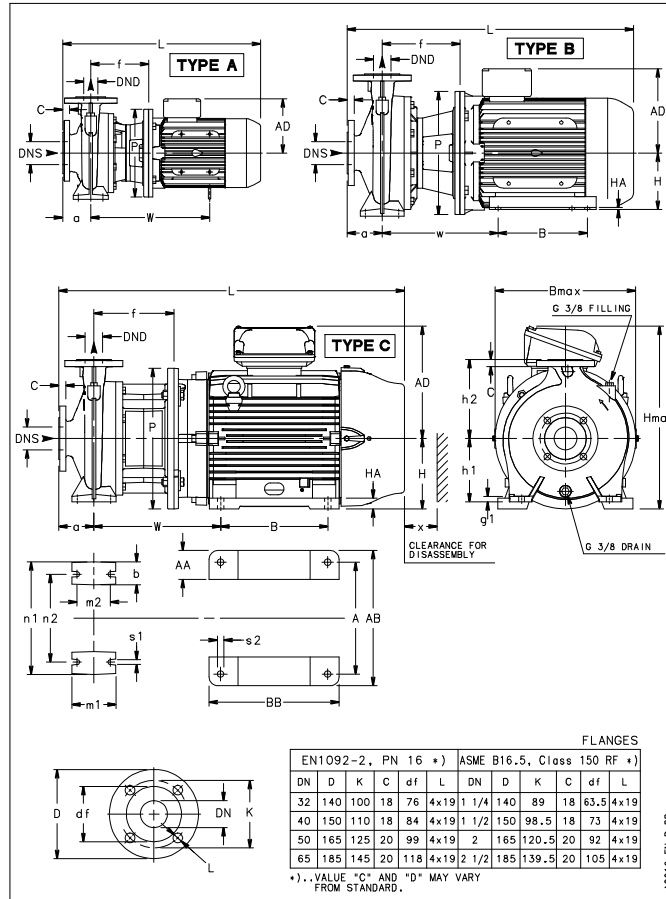
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Dimensions

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Blockpump
2 poles motor
PLM 132 B5 7,5 kW

Electrical and dimensional data refer to IE3 motor



Value C, D may vary from Standard

Dimensions		[mm]
a	80	
AD	191	
b	50	
Bmax	300	
DNd	32	
DNs	50	
f	192	
g1	14	
h1	160	
h2	180	
Hmax	351	
L	639	
m1	100	
m2	70	
n1	240	
n2	190	
P	300	
s1	14	
Type	A	
Volumen	0.064147	
w	399	
x	86	

Weight	
Total weight	80.2 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

Project	Xylect-20303810
Block	NSCS 32-200/75/P25VCS4

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