

NSCF 32-200/55/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	[F] = 2 poles motor unit with standard cuopling					Impeller Ø	Max.	mm	205	
11	Design	Horizontal						designed	mm	186	
12	Operating speed	2900 rpm		Stages		1		Min.	mm	158	
13	Suction nozzle	DN 50		/	PN 16		/	EN1092-2			
14	Discharge nozzle	DN 32		/	PN 16		/	EN1092-2			
15	Max. casing pressure	kPa							Nominal	m³/h	
16	Max. working pressure	kPa		480.1					Max-	m³/h	31
17	Impeller type	Radial impeller					Head	Min-	m³/h	8.6	
18	Head H(Q=0)	m		49		at Qmax		m	35.4		
19	Max. shaft power	kW		5.2		at Qmin		m	48.5		
20	Pump weight	kg		38		Shaft power		kW			
21	Total weight	kg		126.0		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)
32				
33				
34				
35				
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39				
40				
41				

Motor data

Electrical and dimensional data refer to IE3 motor

42	Manufacturer		Lowara		Manufacturer		Flender				
43	Specific design		IE3 3ph Surface Motor - Premium Efficiency		Series		Standard Coupling - N-EUPEX - Type B				
44	Type		PLM 132 B3 5,5 kW		Shaft diameter		Pump	24 mm	Motor	38 mm	
45	Rated power		5.5 kW	Rated current	10.4 A	Frame size		80			
46	Nominal speed		2925 rpm	Rated voltage	400 V	Spacer length		mm	3		
47	Frame size		132	Service factor	1	Weight		kg	1.3		
48	Weight	kg	57.0	Degree of protection	IP55	Coupling protection	COUPLGUARD 160x132PNTD				0.28 kg

Base plate

49	Name	BASE 4B 1000X450 BLU	Remarks
50	Weight	kg 29.4	

Project	Xylect-20101351	Created by		Last update	12/15/2024
Block	NSCF 32-200/75/P25VCS4	Created on	12/15/2024		

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Performance curve

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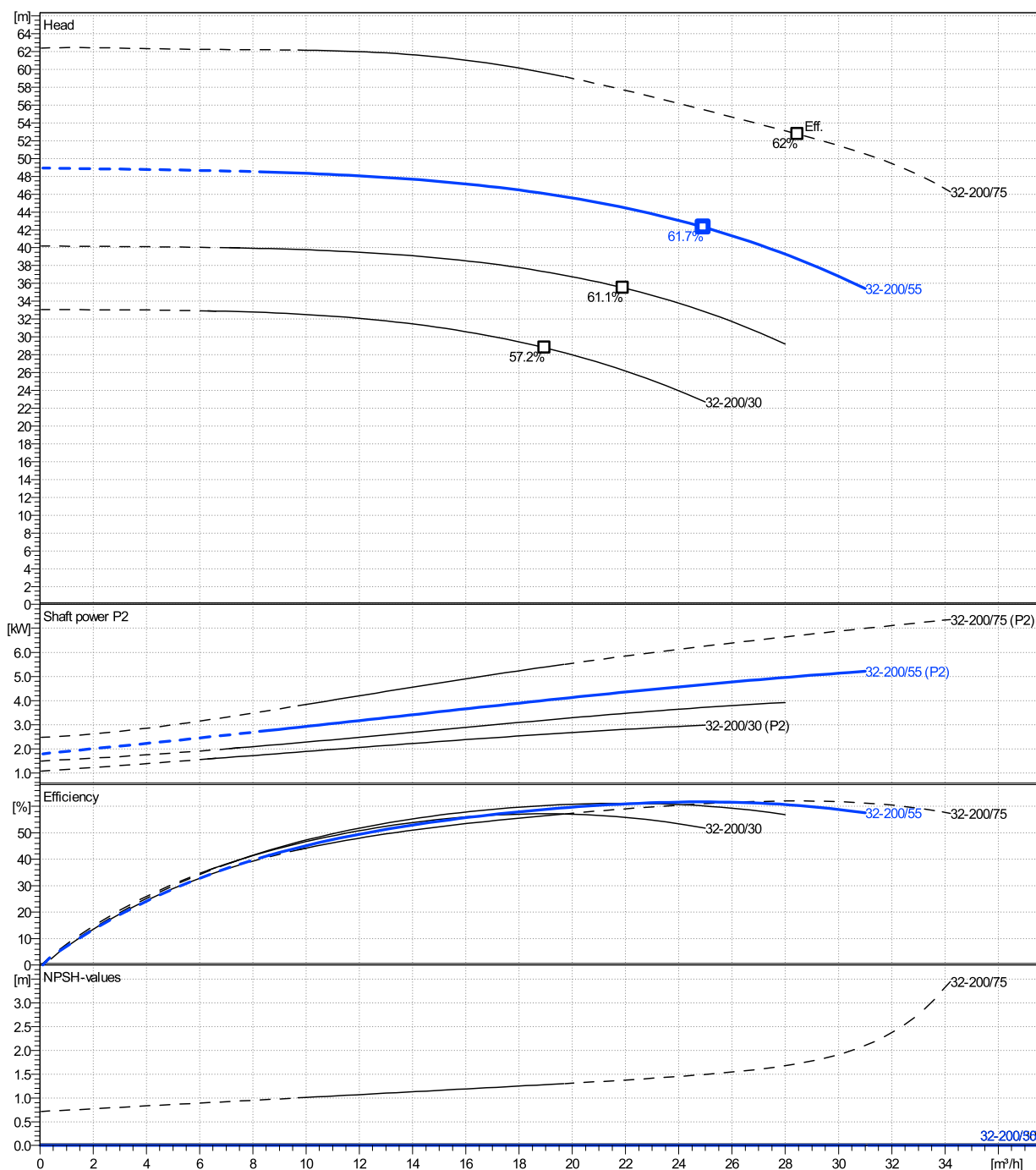
	Ø mm	Pump capacity Operating range			Pump head		Shaft power P2			Frequency		Hz
		Min. m³/h	Max. m³/h	η Max. m³/h	H(Q=0) m	η Max. m	P2(Q=0) kW	Max. kW	η Max. kW	Operating speed	rpm	
actual	186	8.6	31	24.9	48.9	42.3		5.21	4.66	Nominal flow	m³/h	0
Min.	0	/	/	19	33.1	28.8		/	2.6	Nominal head	m	0
Max.	205	/	/	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



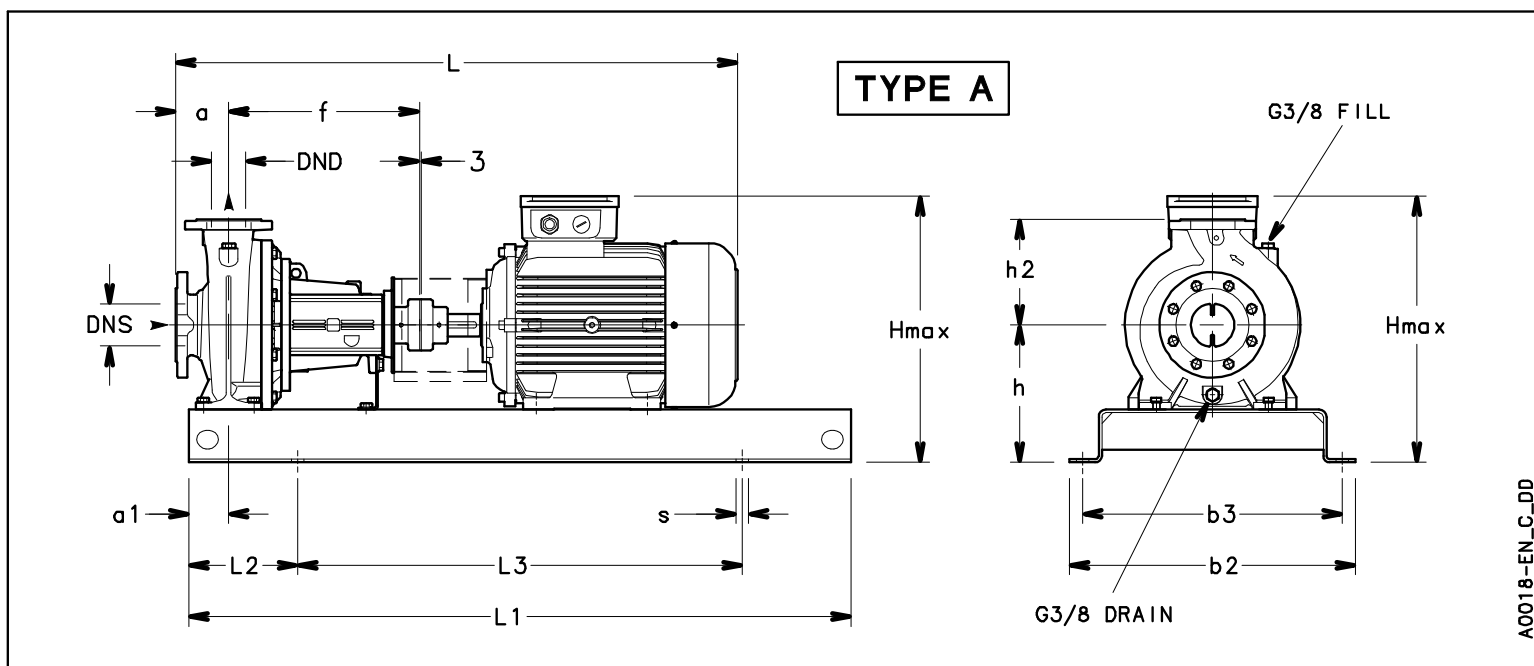
NSCF 32-200/55/P25VCS4

Dimensions

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Frame mounted
[F] = 2 poles motor unit with standard coupling
PLM 132 B3 5,5 kW

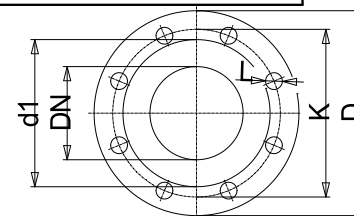
Electrical and dimensional data refer to IE3 motor



Dimensions		[mm]	
a	80		
a1	75		
AD	191		
b2	450		
b3	400		
DND	32		
DNS	50		
f	360		
Guard	133		
h	260		
h2	180		
Hmax	451		
L	890		
L1	1000		
L2	170		
L3	660		
s	4xØ24		
Type	A		
Volumen	0.18063		
x	3		

Weight	
Total weight	125.98 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



Value C, D may vary from Standard

Dimensions and weight without obligation

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