

NSCF 32-250/110/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		
11	Design	Horizontal		
12	Operating speed	2900 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
15	Max. casing pressure	kPa		Min. mm 214
16	Max. working pressure	kPa 745.5	Flow	Nominal m³/h
17	Impeller type	Radial impeller		Max- m³/h 33.7
18	Head H(Q=0)	m 76		Min- m³/h 13.3
19	Max. shaft power	kW 10.7	Head	Nominal m
20	Pump weight	kg 59		at Qmax m 52.2
21	Total weight	kg 184.3		at Qmin m 74.8
			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)
32				
33				
34				
35				
36				
37				
38				
39				
40				
41				

Motor data

Electrical and dimensional data refer to IE3 motor

Coupling

42	Manufacturer	Lowara		Manufacturer	Flender	
43	Specific design	IE3 3ph Surface Motor - Premium Efficiency		Series	Standard Coupling - N-EUPEX - Type B	
44	Type	PLM 160 B3 11 kW		Shaft diameter	Pump 24 mm	Motor 42 mm
45	Rated power	11 kW	Rated current	20.2 A	Frame size	95
46	Nominal speed	2935 rpm	Rated voltage	400 V	Spacer length	mm 3
47	Frame size	160	Service factor	1	Weight	kg 2.2
48	Weight	kg 80.2	Degree of protection	IP55	Coupling protection	COUPLGUARD 175x152PNTD 0.33 kg

Base plate

Description			Remarks
49	Name	BASE 6A 1250X540 BLU	
50	Weight	kg 42.6	

NSCF 32-250/110/P25VCS4

Performance curve

Company name
Contact
Phone number
e-mail address

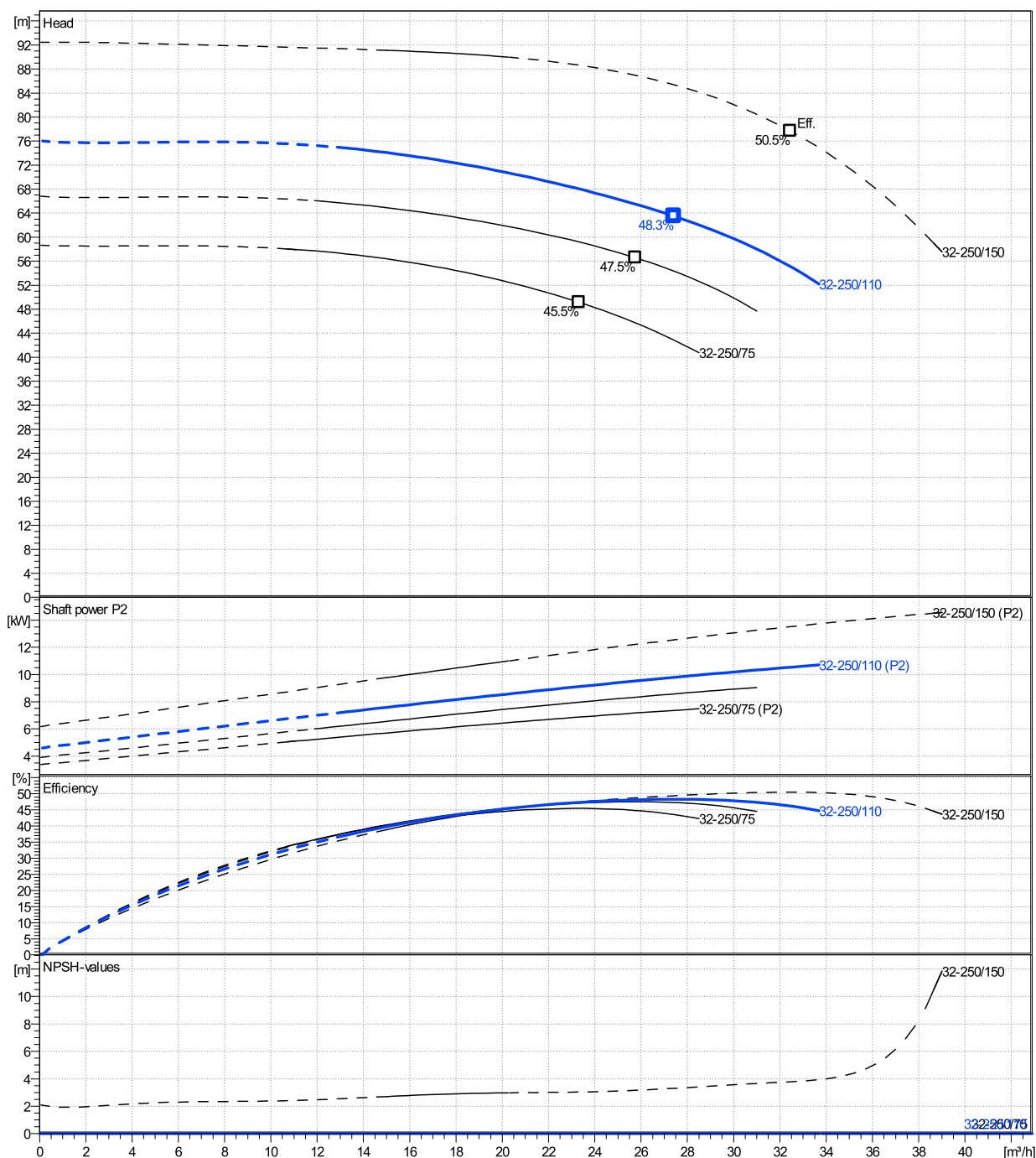
	Ø mm	Pump capacity			Pump head		Shaft power P2			Frequency		Hz
		Operating range Min. m³/h	Max. m³/h	η Max. m³/h	H(Q=0) m	η Max. m	P2(Q=0) kW	Max. kW	η Max. kW	Operating speed	rpm	
actual	239	13.3	33.7	27.4	76	63.5		10.7	9.79	Nominal flow	m³/h	0
Min.	0	/	/	23.3	58.7	49.2	/	/	6.87	Nominal head	m	0
Max.	259	/	/	32.4	92.5	77.7	/	/	13.5	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



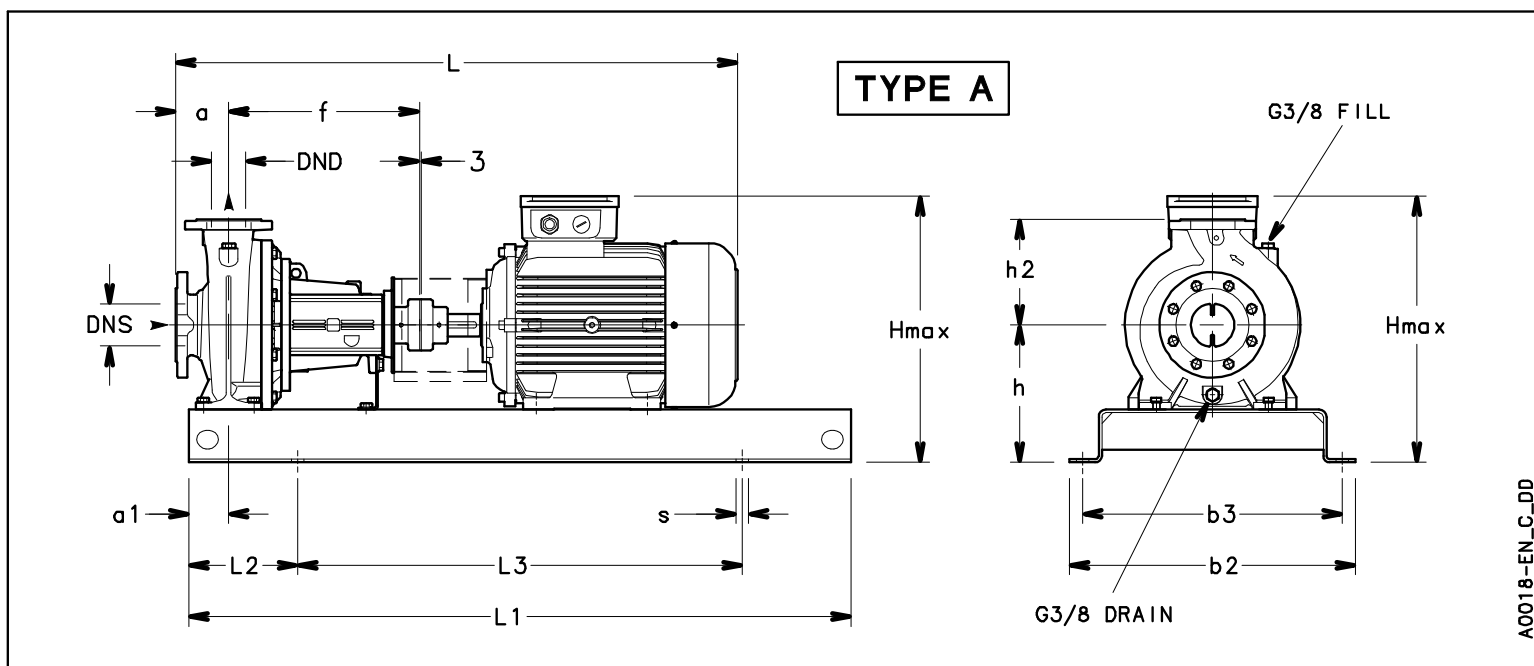
NSCF 32-250/110/P25VCS4

Dimensions

Company name
Contact
Phone number
e-mail address

Frame mounted
[F] = 2 poles motor unit with standard coupling
PLM 160 B3 11 kW

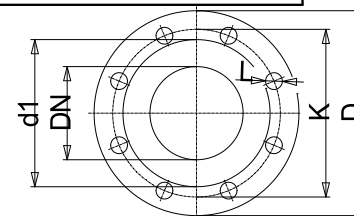
Electrical and dimensional data refer to IE3 motor



Dimensions		[mm]	
a	100		
a1	75		
AD	240		
b2	540		
b3	490		
DND	32		
DNS	50		
f	360		
Guard	163		
h	280		
h2	225		
Hmax	520		
L	1067		
L1	1250		
L2	205		
L3	840		
s	4xØ24		
Type	A		
Volumen	0.29961		
x	3		

Weight	
Total weight	184.33 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

Project	Xylect-20101351	Created by		Last update	12/15/2024
Block	NSCF 32-250/150/P25VCS4	Created on	12/15/2024		