

NSCF 65-125/55/P25VCC4

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 80 /	PN 16 /	EN1092-2
14	Discharge nozzle	DN 65 /	PN 16 /	EN1092-2
15	Max. casing pressure	kPa		
16	Max. working pressure	kPa 191.4		
17	Impeller type	Radial impeller		
18	Head H(Q=0)	m 20		
19	Max. shaft power	kW 5.1		
20	Pump weight	kg 45		
21	Total weight	kg 132.5		

Impeller Ø	Max.	mm	148
	designed	mm	127
	Min.	mm	113
	Nominal	m³/h	
Flow	Max-	m³/h	138
	Min-	m³/h	27.6
	Nominal	m	
Head	at Qmax	m	8.8
	at Qmin	m	19.8
	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 - Ø22mm
25	Impeller	Cast Iron		Mechanical seal diameter
26	Shaft	Stainless steel		22 mm
27	Wear ring	Stainless steel		1. Rotating ring
28	Impeller lock nut and washer	Stainless steel		Carbon graphite resin impregnated
29	Impeller key	Stainless steel		2. Stationary ring
30	Fill and drain plugs	Stainless steel		SiC, silicon carbide, sintered press. less
31				3. Secondary seal
32				Ethylene propylene rubber (EPDM)
33				4. Springs
34				CrNiMo - Steel
35				5. Others
36				EPDM - WRAS
37				Gaskets of the pump
38				Ethylene propylene rubber (EPDM)
39				
40				
41				

Motor data

Electrical and dimensional data refer to IE3 motor

42	Manufacturer	Lowara	Coupling	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		Frame size	80
46	Nominal speed	2925 rpm		Spacer length	mm 3
47	Frame size	132		Weight	kg 1.3
48	Weight	kg 57.0		Coupling protection	COUPLGUARD 160x132PNTD 0.28 kg

Base plate

49	Name	BASE 4A 1000X450 BLU	Remarks
50	Weight	kg 28.9	

Project	Xylect-20101351	Created by	Last update	12/15/2024
Block	NSCF 65-125/110/P25VCC4	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	50
		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	127	27.6	138	92.5	19.5	15.4		5.12	4.86	Nominal flow	m³/h	0
Min.	0	/	/	87.6	14.4	11.6		/	3.57	Nominal head	m	0
Max.	148	/	/	121	29.5	23.3		/	9.36	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



