

ESHS 50-250/220/P25VSSA

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	m ³ /h	0	Max / Min Operating Temperature mech. Seal	°C	120 / -10
4	Nominal head	m	0	pH-value at t A		7
5	Static head	m	0	Density at t A	kg/m ³	1000
6	Inlet pressure	kPa	0	Kin. viscosity at t A	mm ² /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					
11	Design	Horizontal				Impeller Ø
12	Operating speed	2900 rpm	Stages	1		
13	Suction nozzle	DN 65 /	PN 16 /	EN1092-1		
14	Discharge nozzle	DN 50 /	PN 16 /	EN1092-1		Flow
15	Max. casing pressure	kPa	1200			
16	Max. working pressure	kPa	871.7			Head
17	Impeller type	Radial impeller				
18	Head H(Q=0)	m	89			
19	Max. shaft power	kW	21.7			Shaft power
20	Pump weight	kg				Efficiency
21	Total weight	kg	162.0			NPSH 3%

Materials						
Pump			Shaft Seal			
22				Single mechanical seal, without shaft sleeve		
23	Pump body	Stainless steel / AISI 316L		Uniten 3K	VBVGG	
24	Impeller	Stainless steel / AISI 316L		Mechanical seal diameter	28 mm	
25	SEAL HOUSING	Stainless steel / AISI 316L		1. Rotating ring	Ceramic	
26	Wear ring	Stainless steel / AISI 316L		2. Stationary ring	Carbon graphite resin impregnated	
27	Counterwear ring	Stainless steel / AISI 316L		3. Secondary seal	Fluorine rubber (FKM)	
28	Rigid shaft coupling	Stainless steel / AISI 316L		4. Springs	CrNiMo - Steel	
29	Impeller locknut and washer	Stainless steel / AISI 316		5. Others	CrNiMo - Steel	
30	Tab	Stainless steel / AISI 316L		Gaskets of the pump	Fluorine rubber (FKM)	
31	Fill/drain plugs	Stainless steel / AISI 316				
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Motor data					
Electrical and dimensional data refer to IE3 motor					
42	Manufacturer	Lowara PLM			
43	Specific design	IE3 3ph Flange Motor - Premium Efficiency			
44	Type	PLM 180R B35 22 kW			
45	Rated power	22 kW	Rated current	42.2 A	
46	Nominal speed	2950 rpm	Rated voltage	400 V	
47	Frame size	180R	Service factor	1	
48	Weight	kg 121.0	Degree of protection	IP55	

Remarks					
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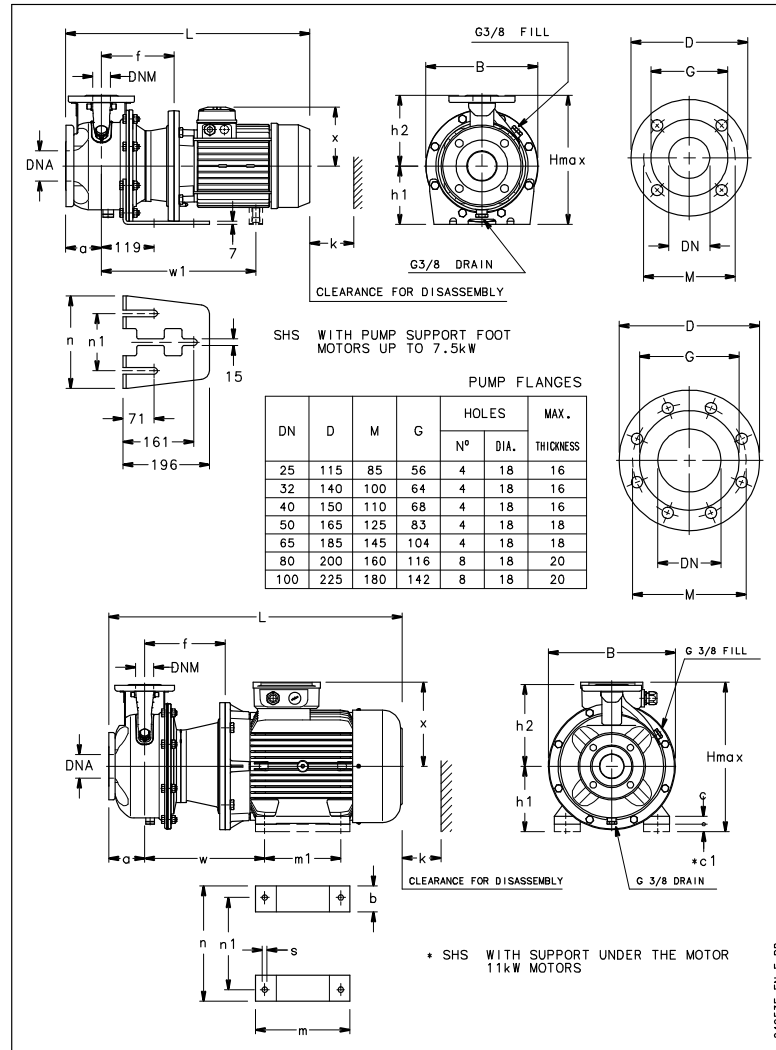
Dimensions

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Rigid coupling

PLM 180R B35 22 kW

Electrical and dimensional data refer to IE3 motor



Dimensions		[mm]	
a	100		
B	350		
b	49		
c	5		
DNA	65		
DNM	50		
f	222		
h1	180		
h2	225		
Hmax	420		
k	107		
L	816		
m	304		
m1	254		
n	304		
n1	254		
s	15		
w	330		
x	240		

Weight	
Total weight	162 kg

Connections			
Suction nozzle		Discharge nozzle	
DN 65		DN 50	
PN 16		PN 16	
EN1092-1		EN1092-1	
D	185	D	165
Dia. Holes	18	Dia. Holes	18
DN	65	DN	50
G	104	G	83
M	145	M	125
Max thickness	18	Max thickness	18

Dimensions and weight without obligation

Project Xylect-20117698
Block ESHS 50-250/220/P25VSSA

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