

ESHE 50-250/150/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	m³/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/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					
11	Design	Horizontal		Impeller Ø	Max.	mm 250
12	Operating speed	2940 rpm	Stages 1		designed	mm 224
13	Suction nozzle	DN 65 /	PN 16 /		Min.	mm 224
14	Discharge nozzle	DN 50 /	PN 16 /	Flow	Nominal	m³/h
15	Max. casing pressure	kPa	1200		Max-	m³/h 79.1
16	Max. working pressure	kPa	707.4		Min-	m³/h 36.5
17	Impeller type	Radial impeller		Head	Nominal	m
18	Head H(Q=0)	m	72		at Qmax	m 46.9
19	Max. shaft power	kW	15.6		at Qmin	m 68.4
20	Pump weight	kg		Shaft power	kW	
21	Total weight	kg	131.0	Efficiency	%	
				NPSH 3%	m	

Materials

22		Pump		Shaft Seal	
23	Pump body	Stainless steel / AISI 316L		Single mechanical seal, without shaft sleeve	
24	Impeller	Stainless steel / AISI 316L		Uniten 3K	VBVGG
25	SEAL HOUSING	Stainless steel / AISI 316L		Mechanical seal diameter	28 mm
26	Wear ring	Stainless steel / AISI 316L		1. Rotating ring	Ceramic
27	Counterwear ring	Stainless steel / AISI 316L		2. Stationary ring	Carbon graphite resin impregnated
28	Shaft extension	Stainless steel / AISI 316L		3. Secondary seal	Fluorine rubber (FKM)
29	Rigid shaft coupling	Stainless steel / AISI 316		4. Springs	CrNiMo - Steel
30	Impeller locknut and washer	Stainless steel / AISI 316		5. Others	CrNiMo - Steel
31	Tab	Stainless steel / AISI 316L		Gaskets of the pump	Fluorine rubber (FKM)
32	Fill/drain plugs	Stainless steel / AISI 316			
33					
34					
35					
36					
37					
38					
39					
40					
41					

Motor data

Electrical and dimensional data refer to IE3 motor

42	Manufacturer	Lowara PLM	
43	Specific design	IE3 3ph Flange Motor	
44	Type	PLM 160 B34 15 kW	
45	Rated power	15 kW	Rated current 26.6 A
46	Nominal speed	2940 rpm	Rated voltage 400 V
47	Frame size	160	Service factor 1
48	Weight	kg 102.0	Degree of protection IP55

Remarks

49	
50	
50	
52	

Project	Xylect-20106422	Created by		Last update	12/16/2024
Block	ESHE 50-250/220/P25VSSA	Created on	12/16/2024		

ESHE 50-250/150/P25VSSA

Performance curve

Company name
Contact
Phone number
e-mail address

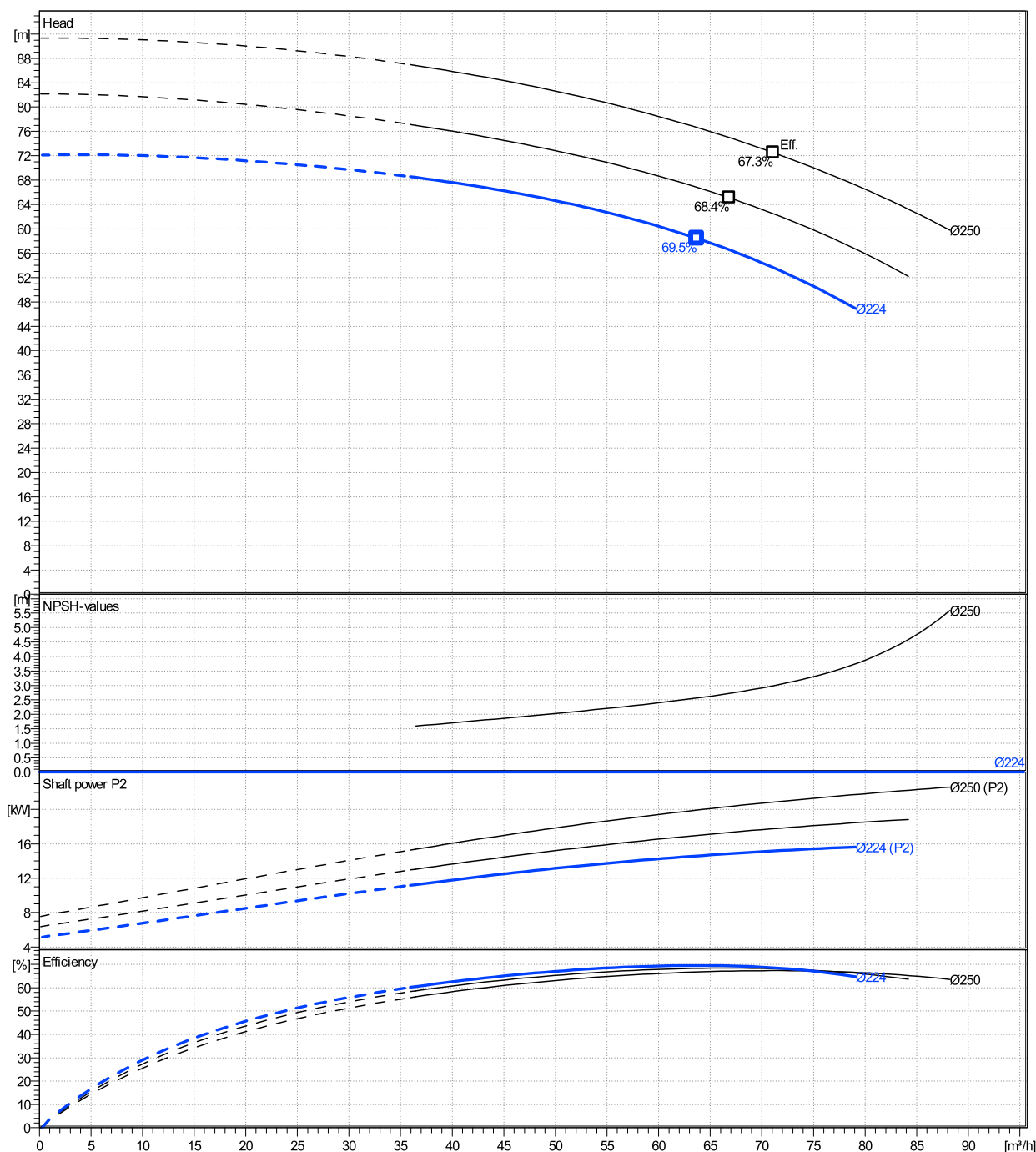
	Ø mm	Pump capacity			Pump head		Shaft power P2			Frequency		Hz
		Operating range Min. m³/h	Max. m³/h	η Max. m³/h	H(Q=0) m	η Max. m	P2(Q=0) kW	Max. kW	η Max. kW	Operating speed rpm		
actual	224	36.5	79.1	63.7	72.1	58.5		15.6	14.6			50
Min.	0	/	/	63.7	72.1	58.5		/	14.6			2940
Max.	250	/	/	71.1	91.3	72.5		/	20.9			0
										Nominal flow	m³/h	0
										Nominal head	m	0
										Inlet pressure	kPa	0
										Static head	m	0

Power datas referred to:

hydr. Performance acceptance acc. To EN ISO 9906 Class Grade 3B

Water, pure [100%] ; 4°C; 1000kg/m³; 1.57mm²/s

MEI: N.A - according to Ecodesign Directive 2009/125/EC and Regulation (EU) No.547/2012



ESHE 50-250/150/P25VSSA

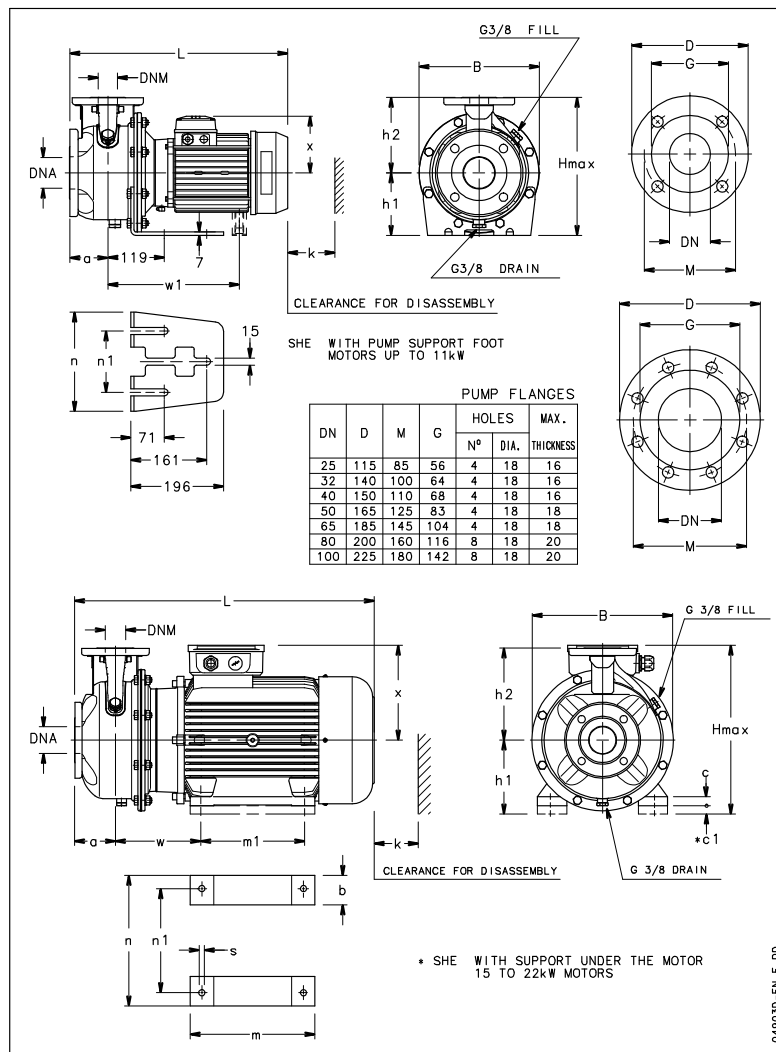
Dimensions

Company name
Contact
Phone number
e-mail address

Close coupled

PLM 160 B34 15 kW

Electrical and dimensional data refer to IE3 motor



Dimensions		[mm]	
a	100		
B	345		
b	49		
c	5		
DNA	65		
DNM	50		
h1	180		
h2	225		
Hmax	420		
k	107		
L	694		
m	304		
m1	210		
n	304		
n1	254		
s	15		
w	208		
x	240		

Weight

Total weight	131 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-20106422
Block ESHE 50-250/220/P25VSSA

Created by
Created on 12/16/2024

Last update 12/16/2024