

ESHS 65-250/370/L25VSNA

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	255			
12	Operating speed	2900 rpm	Stages		1	designed	mm	255		
13	Suction nozzle	DN 80	/	PN 16	/	EN1092-1	Min.	mm	240	
14	Discharge nozzle	DN 65	/	PN 16	/	EN1092-1	Flow	Nominal	m³/h	
15	Max. casing pressure	kPa	1200		Max-	m³/h		132		
16	Max. working pressure	kPa	946.7		Min-	m³/h	60			
17	Impeller type	Radial impeller		Head	Nominal	m				
18	Head H(Q=0)	m	97		at Qmax	m	72.2			
19	Max. shaft power	kW	37.1		at Qmin	m	95			
20	Pump weight	kg			Shaft power	kW				
21	Total weight	kg	276.0		Efficiency	%				
					NPSH 3%	m				

Materials			
Pump		Shaft Seal	
23	Pump body	Stainless steel / AISI 316L	
24	Impeller	Stainless steel / ASTMCF8M	
25	SEAL HOUSING	Stainless steel / AISI 316L	
26	Wear ring	Stainless steel / AISI 316L	
27	Counterwear ring	Stainless steel / AISI 316L	
28	Rigid shaft coupling	Stainless steel / AISI 316L	
29	Impeller locknut and washer	Stainless steel / AISI 316	
30	Tab	Stainless steel / AISI 316L	
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 by Omega			
43	Specific design	IE3 3ph Flange Motor - Premium Efficiency			
44	Type	3MAS 200 L B35 37 kW			
45	Rated power	37 kW	Rated current	63.8 A	
46	Nominal speed	2965 rpm	Rated voltage	400 V	
47	Frame size	200 L	Service factor	1	
48	Weight	kg	230.8	Degree of protection	IP55

Remarks	
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Performance curve

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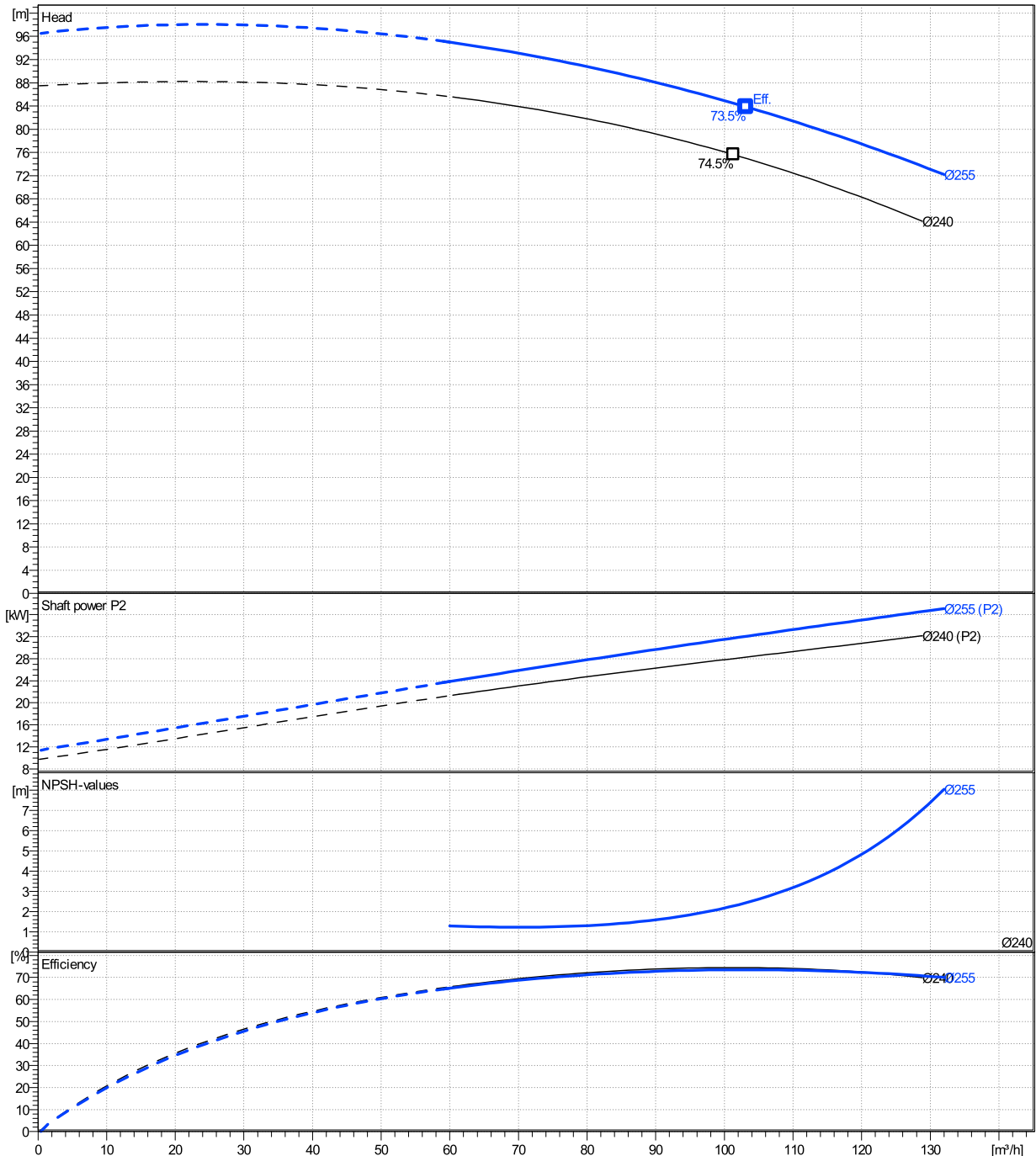
	Ø mm	Pump capacity			Pump head		Shaft power P2			Frequency		
		Operating range Min. m³/h	Max. m³/h	η Max. m³/h	H(Q=0) m	η Max. m	P2(Q=0) kW	Max. kW	η Max. kW	Hz		
actual	255	60	132	103	96.5	83.9		37.1	32.1	Operating speed	rpm	2900
Min.	0	/	/	101	87.5	75.6		/	28	Nominal flow	m³/h	0
Max.	255	/	/	103	96.5	83.9		/	32.1	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



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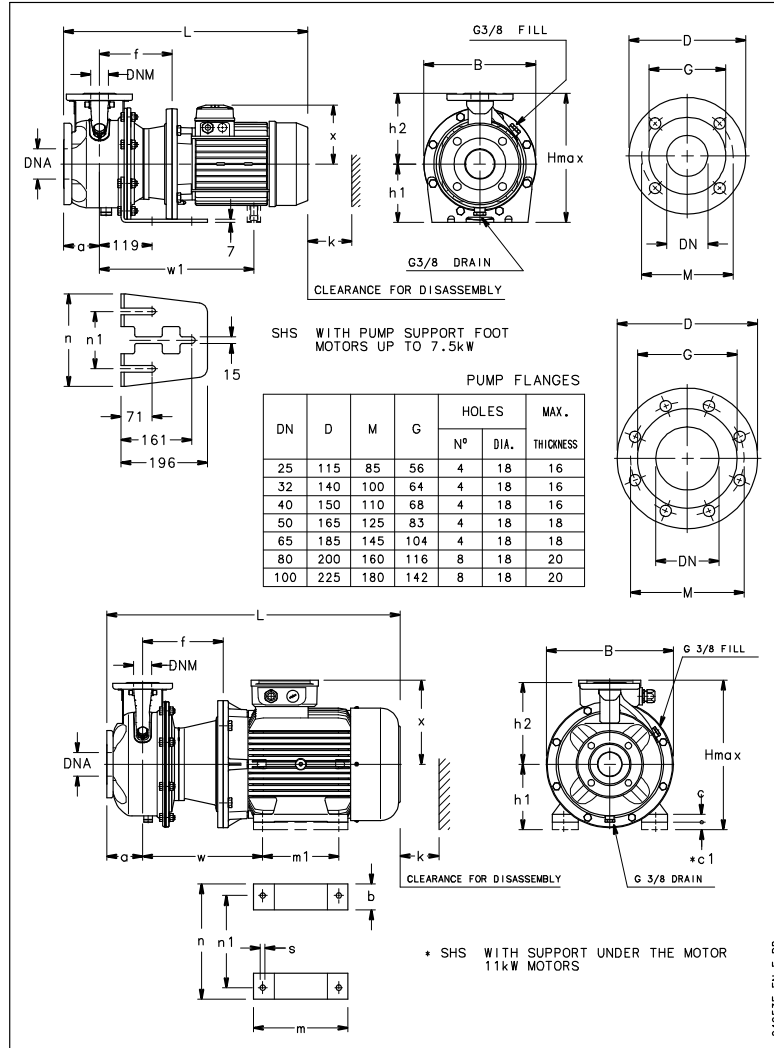
Dimensions

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Rigid coupling

3MAS 200 L B35 37 kW

Electrical and dimensional data refer to IE3 motor



Dimensions		[mm]	
a	100		
b support	69		
B	408		
c	27		
DNA	80		
DNM	65		
f	228		
h1	200		
h2	250		
Hmax	485		
k	140		
L	999		
m	355		
m1	305		
n	408		
n1	318		
s	19		
w	361		
x	285		

Weight	
Total weight	276 kg

Connections			
Suction nozzle		Discharge nozzle	
DN 80		DN 65	
PN 16		PN 16	
EN1092-1		EN1092-1	
D	200	D	185
Dia. Holes	18	Dia. Holes	18
DN	80	DN	65
G	114	G	104
M	160	M	145
Max thickness	20	Max thickness	18

Dimensions and weight without obligation

Project Xylect-20117698
Block ESHS 65-250/370/L25VSNA

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