

# ESHS 40-200/55/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 209
12	Operating speed	2900 rpm	Stages 1		designed mm 190
13	Suction nozzle	DN 65 /	PN 16 / EN1092-1		Min. mm 190
14	Discharge nozzle	DN 40 /	PN 16 / EN1092-1	Flow	Nominal m³/h
15	Max. casing pressure	kPa	1200		Max- m³/h 48
16	Max. working pressure	kPa	481.6	Min- m³/h 18	
17	Impeller type	Radial impeller		Head	Nominal m
18	Head H(Q=0)	m	49		at Qmax m 25
19	Max. shaft power	kW	5.7	Shaft power kW	at Qmin m 46.3
20	Pump weight	kg		Efficiency %	
21	Total weight	kg	63.0	NPSH 3% m	

Materials					
Pump			Shaft Seal		
22					
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 22 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	Rigid shaft coupling	Stainless steel / AISI 316L		3. Secondary seal	Fluorine rubber (FKM)
29	Impeller locknut and washer	Stainless steel / AISI 316		4. Springs	CrNiMo - Steel
30	Tab	Stainless steel / AISI 316L		5. Others	CrNiMo - Steel
31	Fill/drain plugs	Stainless steel / AISI 316		Gaskets of the pump	Fluorine rubber (FKM)
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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 132R B5 5,5 kW			
45	Rated power	5.5 kW	Rated current	10.4 A	
46	Nominal speed	2880 rpm	Rated voltage	400 V	
47	Frame size	132R	Service factor	1	
48	Weight	kg 37.6	Degree of protection	IP55	

Remarks					
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52					

# ESHS 40-200/55/P25VSSA

## Performance curve

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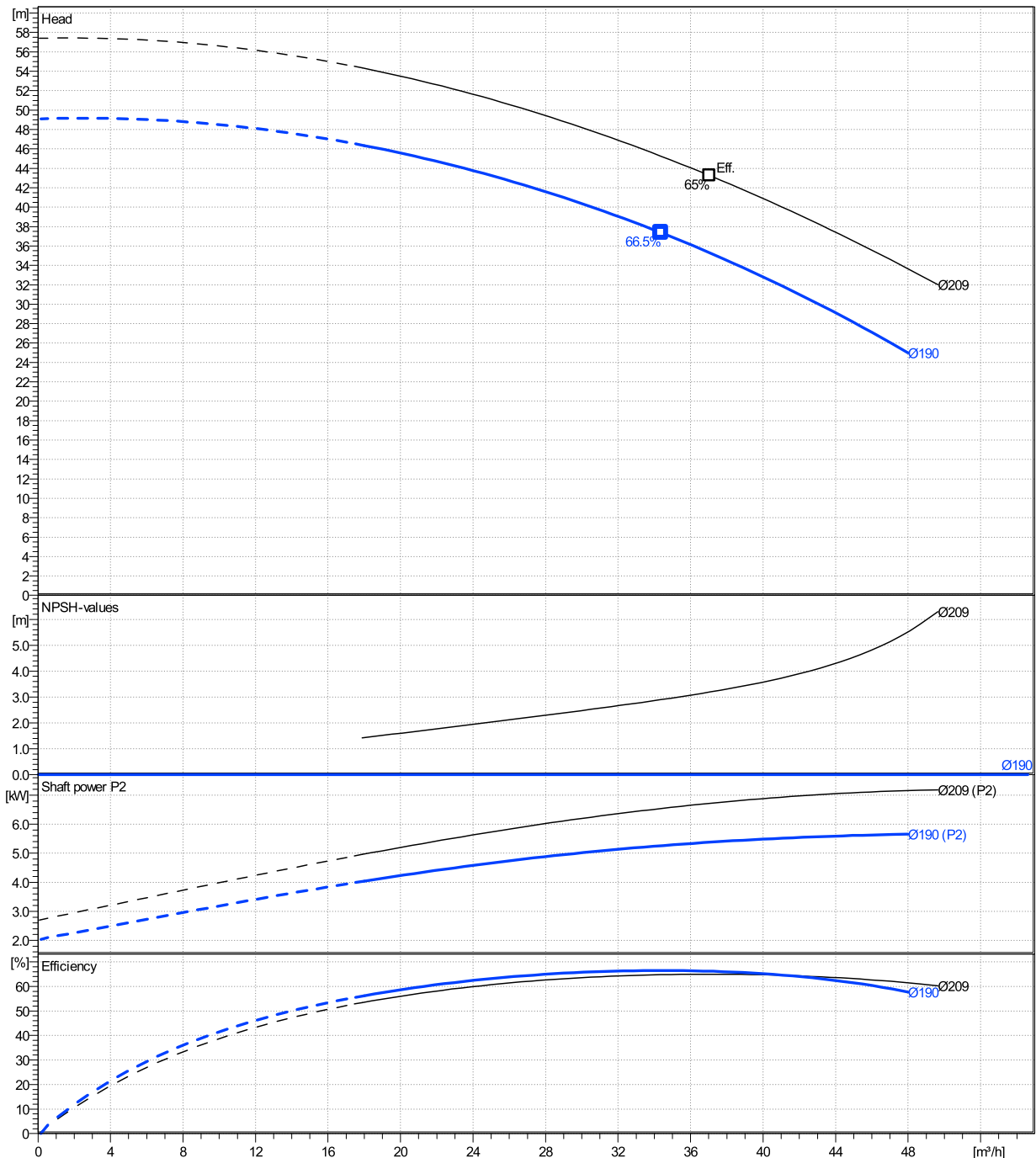
	Ø mm	Pump capacity			Pump head		Shaft power P2			Frequency		Hz	50
		Operating range Min. m³/h	Max. m³/h	η Max. m³/h	H(Q=0) m	η Max. m	P2(Q=0) kW	Max. kW	η Max. kW	Operating speed rpm	2900		
actual	190	18	48	34.4	49.1	37.4		5.66	5.26	Nominal flow	m³/h	0	
Min.	0	/	/	34.4	49.1	37.4		/	5.26	Nominal head	m	0	
Max.	209	/	/	37	57.4	43.3		/	6.72	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



# ESHS 40-200/55/P25VSSA

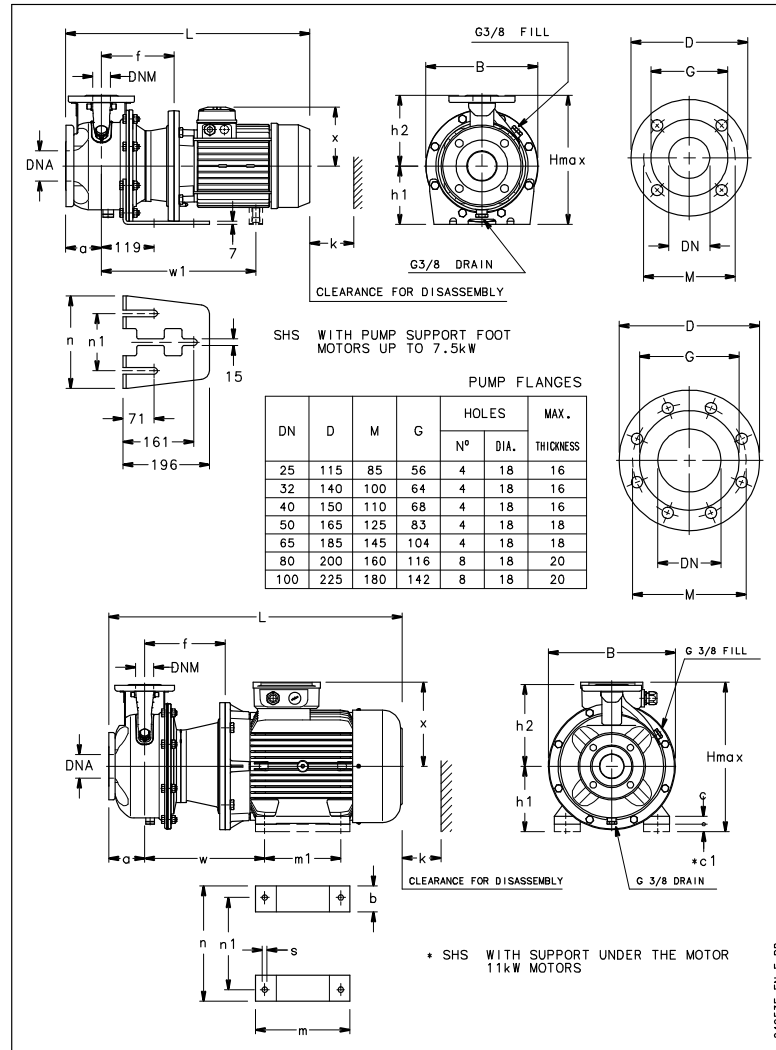
## Dimensions

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Rigid coupling

PLM 132R B5 5,5 kW

Electrical and dimensional data refer to IE3 motor



### Dimensions [ mm ]

a	100
B	300
DNA	65
DNM	40
f	192
h1	160
h2	180
Hmax	340
k	100
L	667
n	230
n1	130
w1	399
x	168

### Weight

Total weight **63 kg**

### Connections

Suction nozzle		Discharge nozzle	
DN 65		DN 40	
PN 16		PN 16	
EN1092-1		EN1092-1	
D	185	D	150
Dia. Holes	18	Dia. Holes	18
DN	65	DN	40
G	104	G	68
M	145	M	110
Max thickness	16	Max thickness	16

### Dimensions and weight without obligation

Project **Xlect-20117698**  
Block **ESHS 40-200/75/P25VSSA**

Created by  
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