

NSCS 65-315/550/L25VCC4

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	32		
10	Execution	Standard Design (Type C)		
11	Design	Horizontal	Impeller Ø	Max. mm 315
12	Operating speed	2980 rpm		designed mm 272
13	Suction nozzle	DN80 / PN10/16 / EN1092-2		Min. mm 272
14	Discharge nozzle	DN65 / PN10/16 / EN1092-2	Flow	Nominal m³/h
15	Max. casing pressure	kPa		Max- m³/h 192
16	Max. working pressure	kPa 1026.2		Min- m³/h 23.3
17	Impeller type	Radial impeller	Head	Nominal m
18	Head H(Q=0)	m 100		at Qmax m 57
19	Max. shaft power	kW 53.9		at Qmin m 104.8
20	Pump weight	kg	Shaft power	kW
21	Total weight	kg 561.0	Efficiency	%
			NPSH 3%	m

Materials

22		Pump		Shaft Seal
23	Volute Casing	Cast Iron, EN 1561 - GJL-250, ASTM Class 35		Single mechanical seal, without shaft sleeve
24	Impeller	Cast Iron, EN 1561 - GJL-200, ASTM Class 30	eMG12 - Ø38mm	BQ7EGG-WA
25	Casing Cover	Cast Iron, EN 1561 - GJL-250, ASTM Class 35	Mechanical seal diameter	38 mm
26	Shaft	Stainless steel, 1.4057, AISI 431	1. Rotating ring	Carbon graphite resin impregnated
27	Wear ring	Stainless steel, 1.4301, AISI 304	2. Stationary ring	SiC, silicon carbide, sintered press.less
28	Impeller lock nut and washer	A4 (1.4401)	3. Secondary seal	Ethylene propylene rubber (EPDM)
29	Impeller key	Stainless steel, 1.4571, AISI 316Ti	4. Springs	CrNiMo - Steel
30	Fill and drain plugs	Galvanized carbon steel, EN 10277-3, AISI 1213 / 1215	5. Others	EPDM - WRAS
31	Bearing bracket	Cast Iron, EN 1561 - GJL-250, ASTM Class 35	Gaskets of the pump	Ethylene propylene rubber (EPDM)
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Motor data

Electrical and dimensional data refer to IE3 motor

42	Manufacturer	Lowara	
43	Specific design	IE3 3ph Flange Motor - Premium Efficiency	
44	Type	3MGS 250 M B35 55 kW	
45	Rated power	55 kW	Rated current 92.5 A
46	Nominal speed	2975 rpm	Rated voltage 400 V
47	Frame size	250 M	Service factor 1
48	Weight	kg 447.0	Degree of protection IP55

Remarks

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Block	NSCS 65-315/900/L25VCC4 E4	Created on	11/26/2024		

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Performance curve

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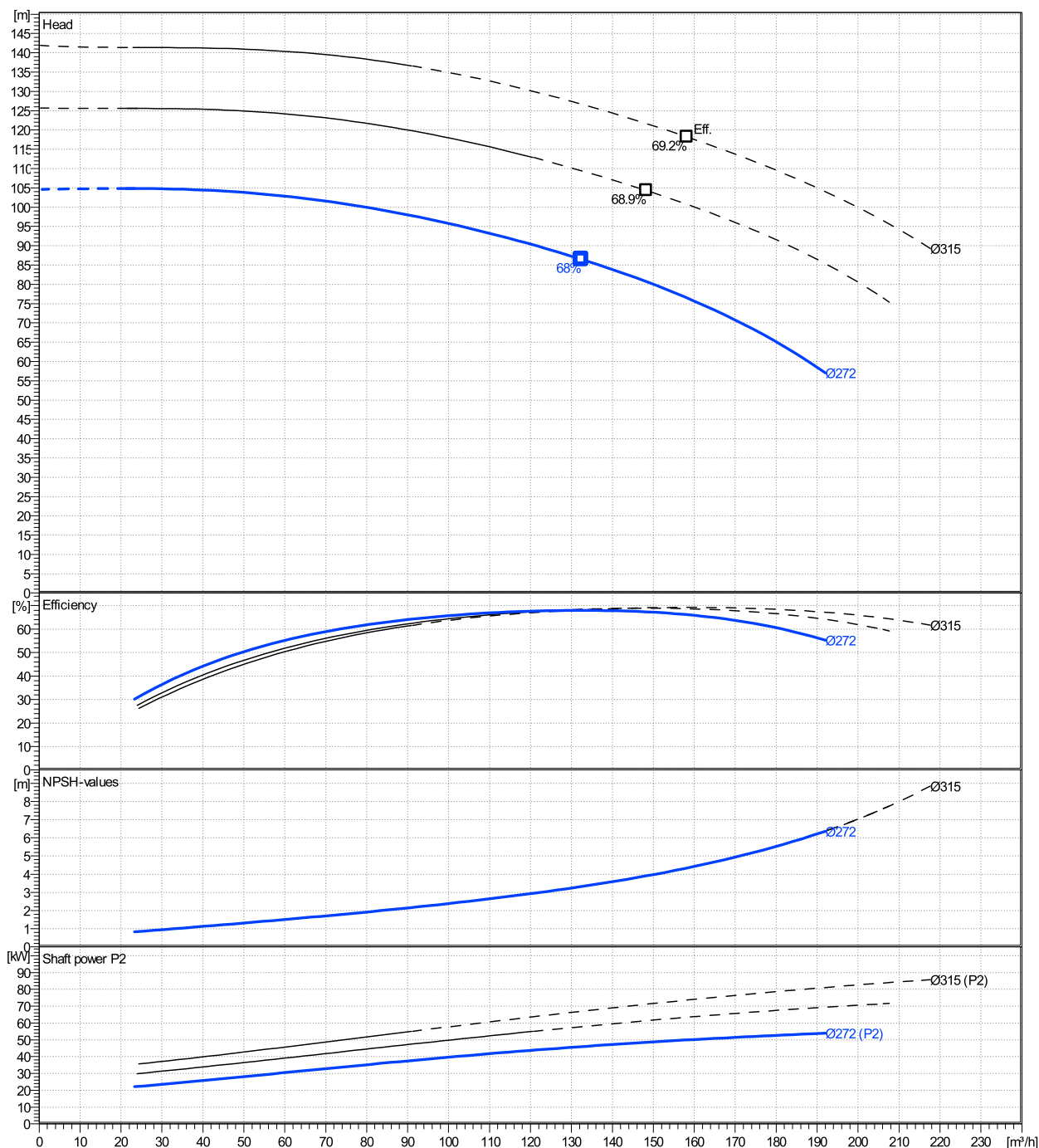
	Ø mm	Pump capacity Operating range			Pump head		Shaft power P2			Frequency	Hz	50
		Min. m³/h	Max. m³/h	Max. m³/h	H(Q=0) m	η Max. m	P2(Q=0) kW	Max. kW	η Max. kW	Operating speed	rpm	2980
actual	272	23.3	192	132	105	86.5		53.9	45.9	Nominal flow	m³/h	0
Min.	0	/	/	132	105	86.5		/	45.9	Nominal head	m	0
Max.	315	/	/	158	142	118		/	73.6	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: >=0,40 - according to Ecodesign Directive 2009/125/EC and Regulation (EU) No.547/2012



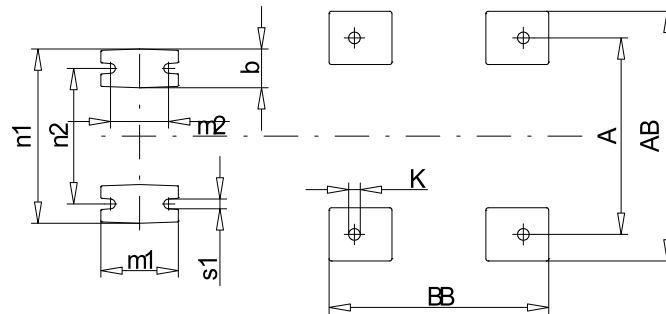
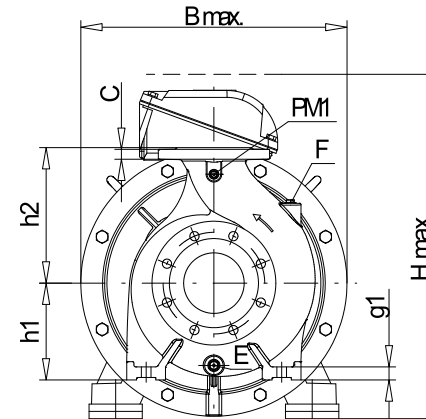
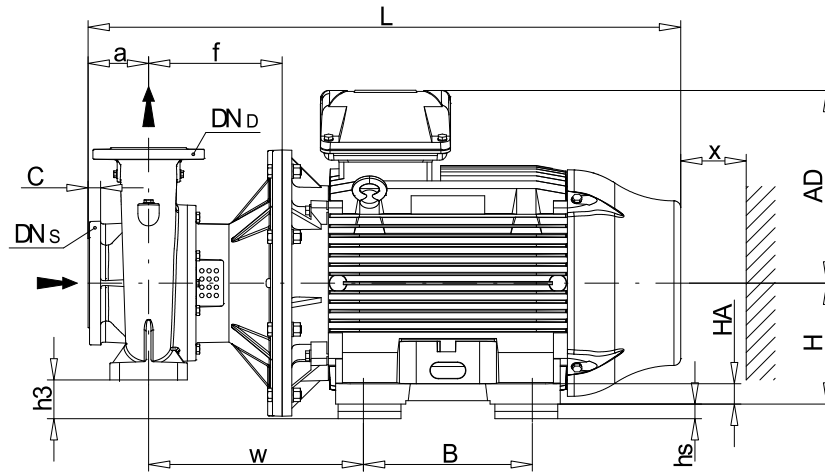
NSCS 65-315/550/L25VCC4

Dimensions

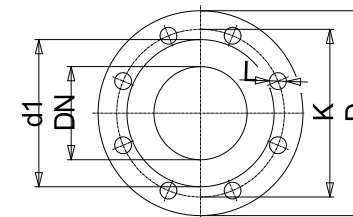
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Blockpump
Standard Design (Type C)
3MGS 250 M B35 55 kW

Electrical and dimensional data refer to IE3 motor



PM1...Pressure gauge connector
E....Drain
F....Filling



Value C, D may vary from Standard

Dimensions [mm]			
a	125	L	1167.5
A	406	m1	160
AA	100	m2	120
AB	516	n1	400
AD	377	n2	315
B	349	P	550
b	80	PM1	1/4"
BB	421	s1	19
Bmax	550	Trim	0
CTO	0	Type	C
DNd	65	Volumen	0.38656
DNs	80	w	444
E	3/8"	x	140
f	276		
F	3/8"		
g1	20		
H	250		
h1	225		
h2	280		
h3	55		
HA	36		
Hmax	602		
hs	30		
K	24		

Weight

Total weight	561 kg
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Connections

Suction nozzle		Discharge nozzle	
DN80		DN65	
PN10/16		PN10/16	
EN1092-2		EN1092-2	
C	22	C	20
D	200	D	185
d1	132	d1	118
K	160	K	145
L	19	L	19
z	8	z	4

Dimensions and weight without obligation

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