

NSCS 125-200/550/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 225
12	Operating speed	2980 rpm		designed	mm 195
13	Suction nozzle	DN150 / PN10/16 / EN1092-2		Min.	mm 179
14	Discharge nozzle	DN125 / PN10/16 / EN1092-2	Flow	Nominal	m³/h
15	Max. casing pressure	kPa		Max-	m³/h 570
16	Max. working pressure	kPa 426.4		Min-	m³/h 90
17	Impeller type	Radial impeller	Head	Nominal	m
18	Head H(Q=0)	m 43		at Qmax	m 26.2
19	Max. shaft power	kW 54.6	Shaft power		
20	Pump weight	kg	Efficiency	%	
21	Total weight	kg 574.0	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
25	Casing Cover	Cast Iron, EN 1561 - GJL-250, ASTM Class 35			Mechanical seal diameter
26	Shaft	Stainless steel, 1.4057, AISI 431			38 mm
27	Wear ring	Stainless steel, 1.4301, AISI 304			1. Rotating ring
28	Impeller lock nut and washer	A4 (1.4401)			Carbon graphite resin impregnated
29	Impeller key	Stainless steel, 1.4571, AISI 316Ti			2. Stationary ring
30	Fill and drain plugs	Galvanized carbon steel, EN 10277-3, AISI 1213 / 1215			SiC, silicon carbide, sintered press.less
31	Bearing bracket	Cast Iron, EN 1561 - GJL-250, ASTM Class 35			3. Secondary seal
32					Ethylene propylene rubber (EPDM)
33					4. Springs
34					CrNiMo - Steel
35					5. Others
36					EPDM - WRAS
37					Gaskets of the pump
38					Ethylene propylene rubber (EPDM)
39					
40					
41					

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

49	
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52	

Project	Xylect-20260347	Created by		Last update	11/27/2024
Block	NSCS 125-200/900/L25VCC4 E4	Created on	11/27/2024		

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Performance curve

Company name
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Phone number
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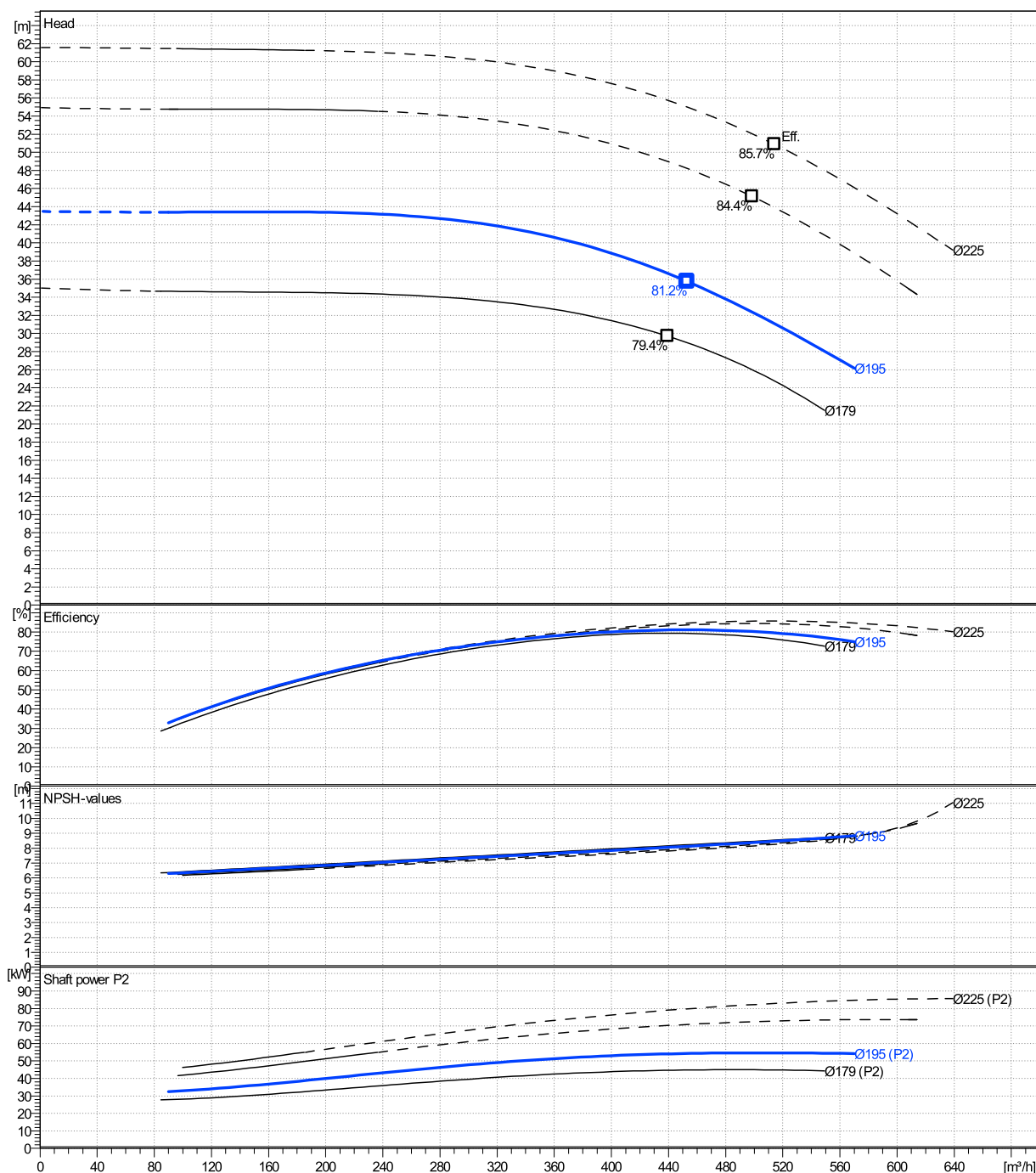
	Ø mm	Pump capacity Operating range			Pump head		Shaft power P2			Frequency		Hz
		Min. m³/h	Max. m³/h	η Max. m³/h	H(Q=0) m	η Max. m	P2(Q=0) kW	Max. kW	η Max. kW	Operating speed	rpm	
actual	195	90	570	453	43.5	35.7		54.6	54.3	Nominal flow	m³/h	0
Min.	0	/	/	439	35	29.7		/	44.7	Nominal head	m	0
Max.	225	/	/	514	61.6	50.9		/	82.9	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: >=0,70 - according to Ecodesign Directive 2009/125/EC and Regulation (EU) No.547/2012



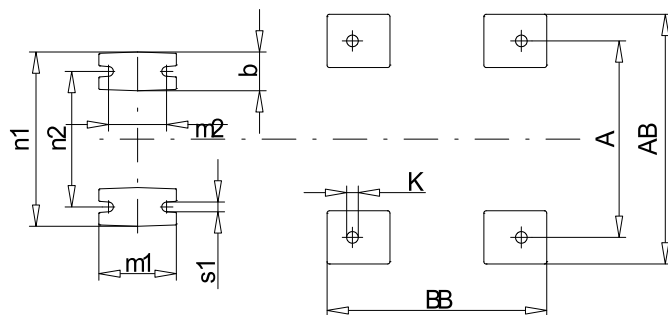
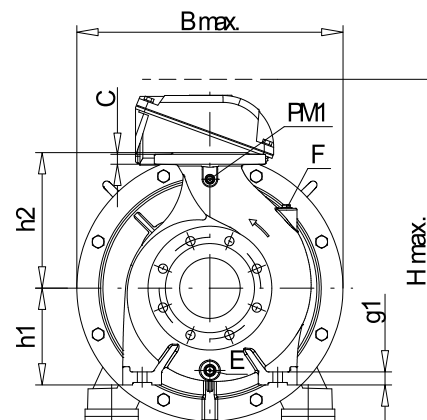
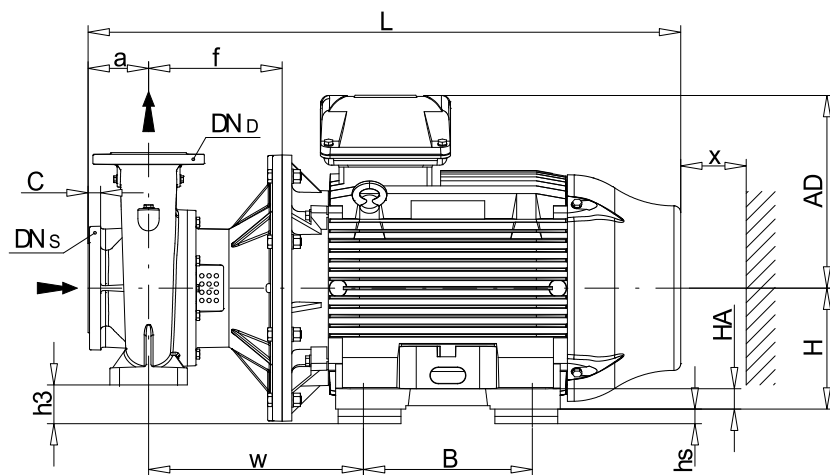
NSCS 125-200/550/L25VCC4

Dimensions

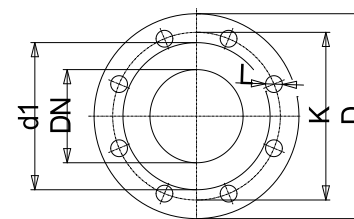
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Blockpump
Standard Design (Type C)
3MGS 250 M B35 55 kW

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	140	L	1182.5
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	125	Volumen	0.40779
DNs	150	w	444
E	3/8"	x	80
f	276		
F	3/8"		
g1	26		
H	250		
h1	250		
h2	315		
h3	30		
HA	36		
Hmax	627		
hs	30		
K	24		

Weight

Total weight 574 kg

Connections

Suction nozzle		Discharge nozzle	
DN150		DN125	
PN10/16		PN10/16	
EN1092-2		EN1092-2	
C	26	C	26
D	285	D	255
d1	211	d1	184
K	240	K	210
L	23	L	19
z	8	z	8

Dimensions and weight without obligation

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Created on 11/27/2024

Last update 11/27/2024