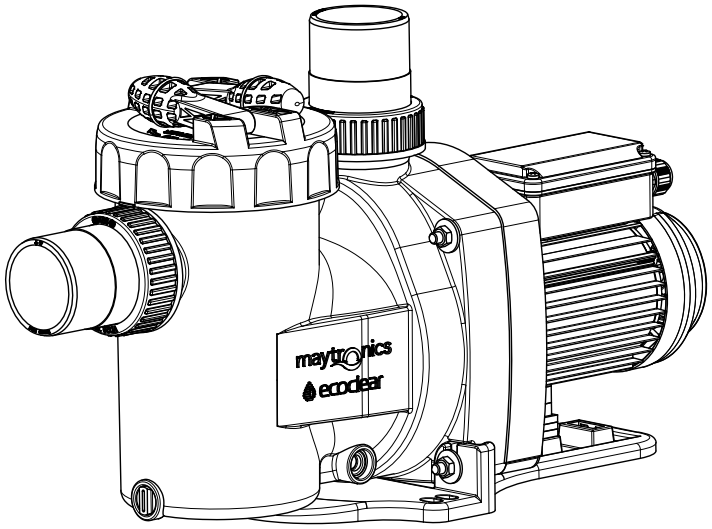
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EN Pump data sheet

ecoclear® 100-SS 1.0 hp
ecoclear® 150-SS 1.5 hp
ecoclear® 200-SS 2.0 hp

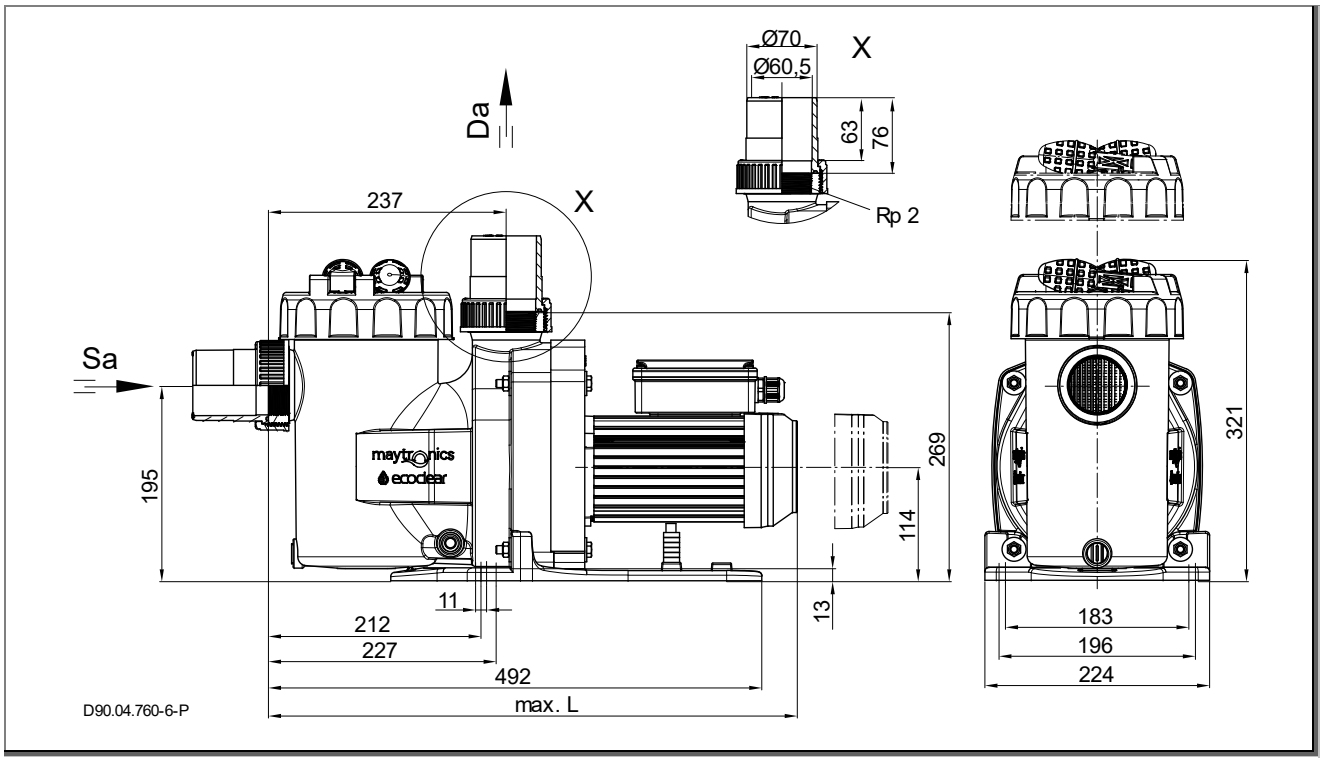


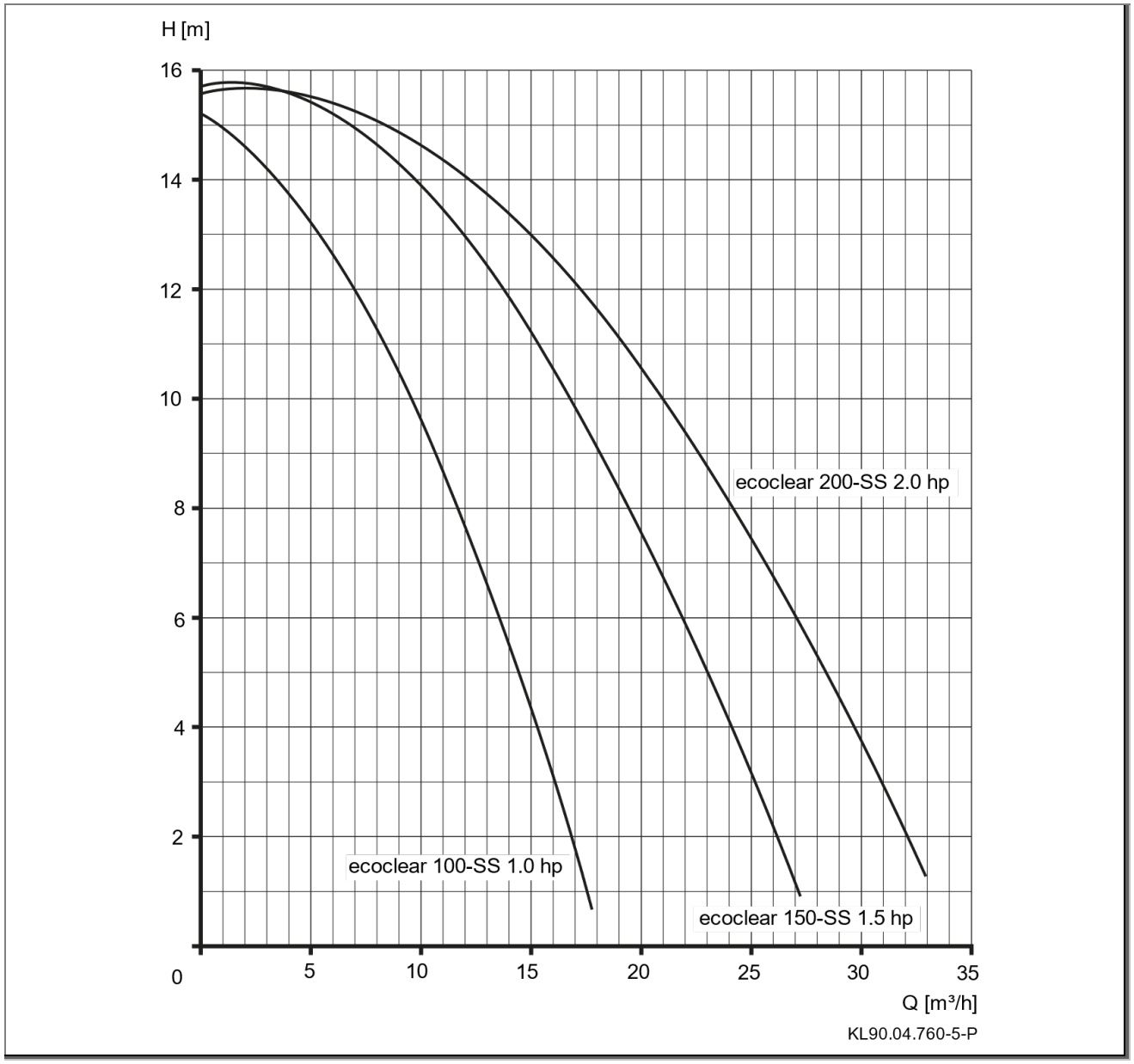
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Ø70
Ø60,5
X
Da
63
76
Rp 2
237
X
Sa
195
maytronics
ecoclear
269
114
13
11
212
227
492
max. L
321
183
196
224
D90.04.760-6-P

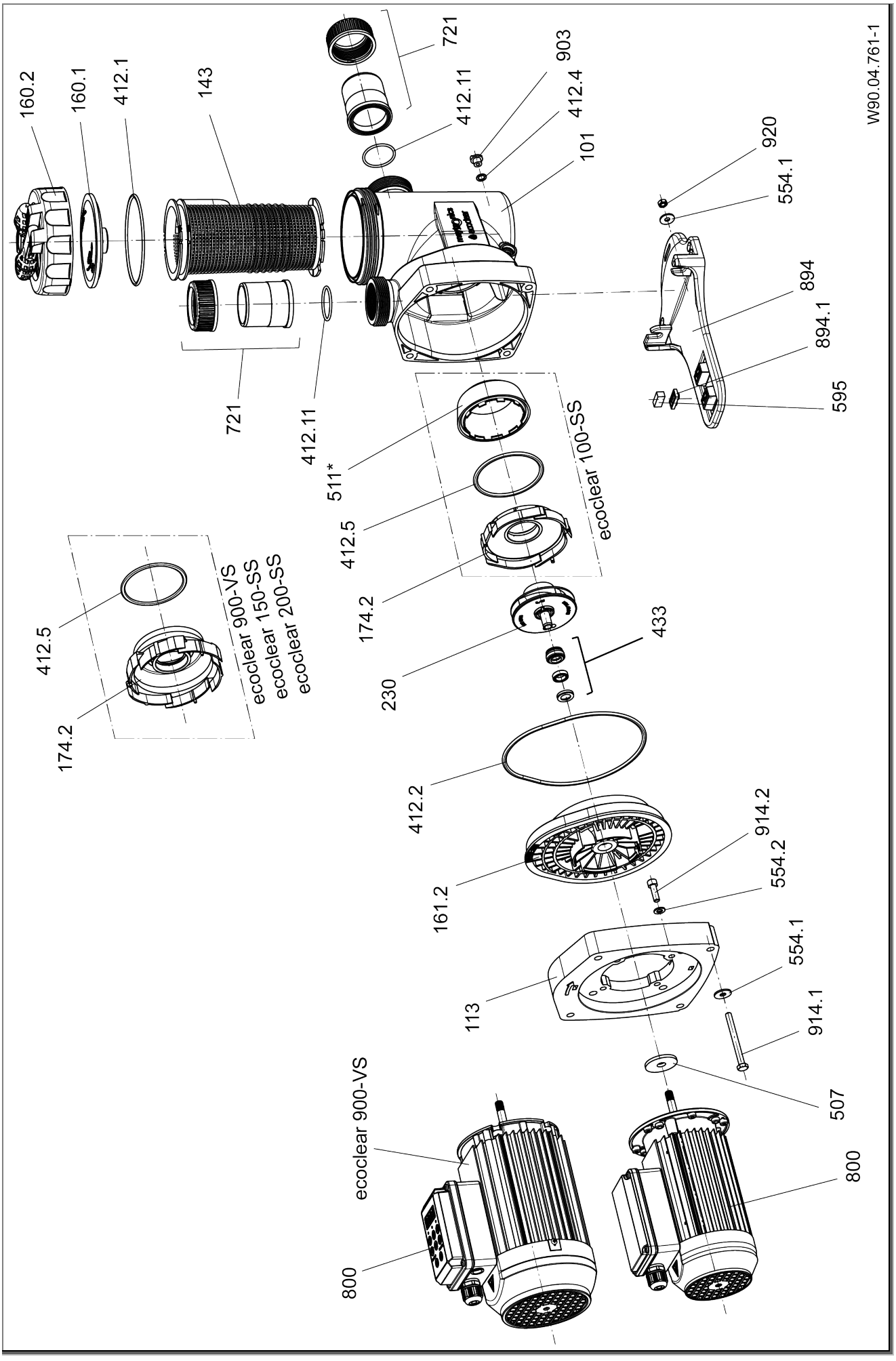

H [m]
16
14
12
10
8
6
4
2
0
5
10
15
20
25
30
35
Q [m³/h]
ecoclear 200-SS 2.0 hp
ecoclear 150-SS 1.5 hp
ecoclear 100-SS 1.0 hp
KL90.04.760-5-P

TD 50 Hz	Sa [mm]	Da [mm]	d-Saug [inch]	d-Druck [inch]	max. L [mm]
ecoclear 100-SS 1.0 hp	60,5	60,5	2	2	502
ecoclear 150-SS 1.5 hp	60,5	60,5	2	2	501
ecoclear 200-SS 2.0 hp	60,5	60,5	2	2	519

1~ 230 - 240 V

TD 50 Hz	P_1 [kW]	P_2 [kW]	I [A]	Lpa (1m) [dB(A)]	Lwa [dB(A)]	m [kg]	WSK/PTC
ecoclear 100-SS 1.0 hp	0,90	0,45	3,30	-	-	10,4	●/○
ecoclear 150-SS 1.5 hp	1,25	0,80	4,60	-	-	12,6	●/○
ecoclear 200-SS 2.0 hp	1,65	1,10	6,00	-	-	10,2	●/○

TD 50 Hz	$H_{max.}$ [m]	SP	Hs [m]	Hz [m]	IP	W-Kl	n [min^{-1}]	T [°C]	P-GHl [bar max.]
ecoclear 100-SS 1.0 hp	15,6	●	1,5	3	55	F	2840	40(60)	2,5
ecoclear 150-SS 1.5 hp	14,5	●	1,5	3	55	F	2840	40(60)	2,5
ecoclear 200-SS 2.0 hp	16,2	●	1,5	3	55	F	2840	40(60)	2,5


W90.04.761-1
160.2
160.1
412.1
143
721
412.11
903
412.4
101
920
554.1
894
894.1
595
721
412.11
511*
412.5
174.2
ecoclear 100-SS
412.5
174.2
ecoclear 900-VS
ecoclear 150-SS
ecoclear 200-SS
230
433
412.2
161.2
914.2
554.2
113
554.1
914.1
507
ecoclear 900-VS
800
800

Teil Part	St Qty	Pumpe Pump	Benennung	Description	MTAU Code
101	1	all	Gehäuse, schwarz, Rp 2, ecoclear	Housing, black, Rp 2, ecoclear	20-400-0030
113	1	all	Zwischenflansch	Intermediate flange	20-400-0031
143	1	all	Saugsieb, PP, weiß	Strainer basket, PP, white	20-400-0032
160.1	1	all	Klarsichteinsatz, PC	Lid, PC	20-400-0033
160.2	1	all	Gewindering, m. Öffnungsgriff	Ring for lid, with lock for handle	20-400-0034
161.2	1	all	Dichtungsgehäuse, 39 mm	Gland housing 39 mm	20-400-0035
174.2	1	100-SS	Leitschaufeleinsatz	Diffuser	20-400-0036
	1	150-SS	Leitschaufeleinsatz, PA	Diffuser, PA	20-400-0037
	1	200-SS	Leitschaufeleinsatz, PA	Diffuser, PA	20-400-0037
	1	900-VA	Leitschaufeleinsatz, PA	Diffuser, PA	20-400-0037
230	1	100-SS	Laufrad, Ø = 112 mm, b = 6,5 mm	Impeller, d = 112 mm, b = 6.5 mm	20-400-0038
	1	150-SS	Laufrad, Ø = 112 mm, b = 9,5 mm	Impeller, d = 112 mm, b = 9.5 mm	20-400-0040
	1	200-SS	Laufrad, Ø = 110 mm, b = 13,5 mm	Impeller, d = 110 mm, b = 13.5 mm	20-400-0039
	1	900-VA	Laufrad, Ø = 112 mm, b = 9,5 mm	Impeller, d = 110 mm, b = 9.5 mm	20-400-0040
412.1	1	all	O-Ring, 137 x 5 mm, NBR	O-Ring, 137 x 5 mm, NBR	20-400-0011
412.2	1	all	O-Ring, 190 x 5 mm, NBR	O-Ring, 190 x 5 mm, NBR	20-400-0041
412.4	1	all	O-Ring 11 x 2,5 mm, NBR 70 für Verschlussschraube	O-Ring 11 x 2.5 mm, NBR 70 for drain plug	20-400-0013
412.5	1	100-SS	O-Ring, 97,8 x 5,33 mm, NBR	O-Ring, 97,8 x 5,33 mm, NBR	20-400-0042
	1	150-SS	O-Ring, 90 x 5mm, NBR	O-Ring, 90 x 5mm, NBR	20-400-0014
	1	200-SS	O-Ring, 90 x 5mm, NBR	O-Ring, 90 x 5mm, NBR	20-400-0014
	1	900-VA	O-Ring, 90 x 5mm, NBR	O-Ring, 90 x 5mm, NBR	20-400-0014
412.11	2	all	O-Ring, 63 x 3,5 mm, NBR	O-Ring, 63 x 3,5 mm, NBR	20-400-0043
433	1	all	Gleitringdichtung, 14mm	Mechanical seal, 14 mm	20-400-0044
507	1	all	Spritzring	Splesh ring	20-400-0045
511	1	100-SS	Zentrierring	Centring ring	20-400-0046
554.1	8	all	Unterlegscheibe, d = 8,4 x 24 mm, DIN 9021, A 2, SS304	Washer, d = 8,4 x 24 mm, DIN 9021, A 2, SS304	20-400-0047
554.2	4	all	Unterlegscheibe, d = 8,4 mm, DIN 125, A 2, SS304	Washer, d = 8,4 mm, DIN 125, A 2, SS304	20-400-0019
595	1	all	Gummipuffer, 10 x 12,5 x 27 mm, NBR	Rubber buffer, 10 x 12,5 x 27 mm, NBR	20-400-0020
721	2	all	Überwurfmutter, für Bundbuchse, 2 inch	Union nut for glue socket, 2 inch	20-400-0056
	2	all	Bundbuchse, 2 inch, PVC, grau	Glue socket, 2 inch, PVC, grey	20-400-0057
800	1	100-SS	We-Motor 0,45 kW, SS, 1.00 hp	1~ motor 0.45 kW, SS, 1.00 hp	20-400-0048
	1	150-SS	We-Motor 0,80 kW, SS, 1.50 hp	1~ motor 0.80 kW, SS, 1.50 hp	20-400-0049
	1	200-SS	We-Motor 1,10 kW, SS, 2.00 hp	1~ motor 1.10 kW, SS, 2.00 hp	20-400-0050
	1	900-VA	We-Motor 0,75 kW, VS, 1.25 hp	1~ motor 0.75 kW, VS,1.25 hp	20-400-0051
894	1	all	Bodenplatte	Base plate	20-400-0052
894.1	6	100-SS	Adapter für Motorfuß	Adapter for motor foot	20-400-0023
	4	150-SS	Adapter für Motorfuß	Adapter for motor foot	20-400-0023
	4	200-SS	Adapter für Motorfuß	Adapter for motor foot	20-400-0023
	4	900-VA	Adapter für Motorfuß	Adapter for motor foot	20-400-0023
903	1	all	Verschlussschraube, PP, schwarz	Plug, PP, black	20-400-0025
914.1	4	all	Sechskantschraube, M 8x90, DIN 931, A 4, SS316	Hexagon screw, M 8x90, DIN 931, A 4, SS316	20-400-0053
914.2	4	all	Innensechskantschraube, M8 x 25, DIN 912, A 2, SS 304	Hexagon socket screw, M8 x 25, DIN 912, A 2, SS304	20-400-0026
920	4	all	Mutter, M 8, DIN 934, Messing	Hexagon nut, M 8, DIN 934, brass	20-400-0054
	2	all	Öffnungsgriff, PP	Handle for rid ring lock, PP	20-400-0055

NOTICE

Related Documentation

The additional information compiled in this data sheet must be kept together with the original operation manual for "Non-self-priming and self-priming pumps with/without plastic lanterns" and must be accessible to the relevant personnel at all times.

Glossary	
TD	Technical data
Sa	Inlet connection
Da	Outlet connection
d-Saug	Recommended diameter of the suction line up to 5 m
d-Druck	Recommended diameter of the pressure line up to 5 m
max. L	Maximum length of the pump
D	Density
P_1	Power input
P_2	Power output
I	Rated current
Lpa (1 m)	Sound pressure level at 1 m measured in accordance with DIN 45635
Lwa	Acoustic capacity
m	Weight
WSK	Built-in or external overload switch
PTC	PTC resistor
$H_{max.}$	Total dynamic head
SP	Self-priming
Hs; Hz	Geodetic head between water level and pump
Hs	Total suction head
Hz	Total dynamic head with flooded suction
IP	Type of motor enclosure
W-Kl	Class of insulation
n	Motor speed
P-GHI	2.5 bar max. casing pressure/system pressure
T	Water temperature
●	Yes
○	No
T/°C	Clarification of the max. water temperature 40 °C (60 °C): 40 °C = the max. water temperature allowed according to the GS approval. (60 °C) = the pump is designed to withstand a max. water temperature of 60 °C.
1~/3~	Suitable for continuous operation at 1~ 220 - 240 V ± 5% 3~ Y/Δ 380 - 420 V/220 - 240 V ± 5% 3~ Y/Δ 660 - 725 V/380 - 420 V ± 5% For standard voltage in accordance with DIN IEC 60038; DIN EN 60034

For special voltages and/or the 60 Hz version, the performance data can be taken from the pump name plate. If the values in these instructions are different to the values on the type plate, the values on the type plate must be used. With some special types or motors there is no GS approval – GS approval on pump name plate where applicable.