Datasheet HighSurg30

Model	Control unit HighSurg30
REF	3360
Input Voltage	100 V~/ 115 V~/ 230 V~, 50 - 60 Hz (switchable)
Power max.	120 VA
User interface	LC-display 95 x 52 mm
	Push buttons
Speed range	300 - 80'000 rpm
E-motor connection	2
Pump type infiltration	Peristaltic pump
Delivery volume	1 - 100 ml/min
Dimension (W x D x H)	260 x 250 x 110 mm
Control unit weight	3.5 kg
Approval	CE0197 Class IIa
	TÜV Rheinland US
	FDA
	IEC 60601-1, Protection class 1 / Appliance type BF

Specification Electronic Motor 21, 80'000 rpm (REF 2098nou):

Speed max.	80'000 rpm
Torque max.	4 Ncm
Motor type	BLDC-Motor with Hall-Sensors
Weight	120 g (without cable)
	340 g
Coupling	E-Type (ISO 3964)
Cable length	2.9 m
Sterilization	Steam sterilization at max. 134°C

Specification Electronic Motor 21, 50'000 rpm (REF 2099nou):

Speed max.	50'000 rpm
Torque max.	7.5 Ncm
Motor type	BLDC-Motor with Hall-Sensors
Weight	120 g (without cable)
	340 g
Coupling	E-Type (ISO 3964)
Cable length	2.9 m
Sterilization	Steam sterilization at max. 134°C

Specification Foot Pedal (REF 1510nou):

Type	Vario
Protection class	IPX8
Use of the switches	Blue: Peristaltic pump on / off
	Green: Select program
	Yellow: E-Motor rotating direction left / right
Weight	1.6 kg

Handpieces with Motor 2098nou

Type / Ratio	Speed [rpm]	Torque [Ncm]
1:1	300 - 80'000	3
1:2	600 - 100'000	2
1:3	900 - 150'000	1
1:5	1'500 - 240'000	1
Jacobs chuck	200 - 2'600	35
Perforator	80 - 1'200	80
Craniotome	1'000 - 60'000	3

Handpieces with Motor 2099nou

Type / Ratio	Speed [rpm]	Torque [Ncm]
1:1	300 - 50'000	1 - 6
1:2	600 - 100'000	1 - 2
1:3	900 - 150'000	1 - 2
1:5	1'500 - 240'000	1
4:1	200 - 12'000	1 - 18
Dermatome	14'000	6
Jacobs chuck	200 - 2'600	60
Perforator	80 - 900	120
Craniotome	1'000 - 50'000	6
Com. Saw	15'000	6
Osc. Saw	15'000	6
Sag. Saw	15'000	6
Kirschner Hp	500 - 2'800	48
Tatoo Hp	9'000 - 12'000	6