

POWER UNITS, ROTARY HAND-PIECES AND MICRO MOTORS

Diprofil Power Unit - DPU-3

This compact and ergonomic Power Unit is designed for use together with dedicated rotary hand-pieces and micro-motor driven reciprocating Diprofil polishing/filing machines with carbon brush motors. It has high torque and electrical feedback circuitry. Other features include: continuously variable speed, forward/reverse switch and automatic overload protection. Supplied with foot control type DPU-3-FC for optional speed adjustment.

Technical data

Input:	AC 110/220 V at 50/60 Hz
Output:	DC 0 – 32 V, 1,2 A
Power:	max. 100 W
Weight Power unit:	1,7 kg
Dimensions Power unit:	W115 x D147 x H96 mm
Weight Foot control:	585 g

Item number: DPU-3



Rotary Hand-piece - C-HPM-B1

Micro-motor driven high speed rotary hand-piece with carbon brush motor for use together with the power unit DPU-3 or the twin power unit TPU-20. Features a quick change design for both the collet and the tool and is supplied with 3,0 mm collet. Optional 2,35 mm collet available.

Technical data

Speed:	max. 38.000 rpm
Consumed power:	100 W
Torque:	4,0N cm
Weight:	285 g
Dimensions:	L159 x Ø29,5 mm
Noise:	< 70 db(A) at 38.000 rpm
Vibrations:	< 2,5 m/s ²

Item number: C-HPM-B1



Micro-motor - HPM-B1

DC micro-motor adapted for Diprofil mini polishing/filing machines type FMR/D, FMV/D and rotary hand-piece type C-HPM-B1. For use together with power unit DPU-3 or twin power unit TPU-20.

Technical data

Speed:	max. 38.000 rpm
Consumed power:	100 W
Torque:	4,0N cm
Weight:	190 g
Dimensions:	L100 x Ø29,5 mm
Noise:	< 70 db(A) at 38.000 rpm
Vibrations:	< 2,5 m/s ²

Item number: HPM-B1



Diprofil Twin Power Unit - TPU-20

Twin power unit featuring dual control system for both brushless and carbon brush micro-motors (not simultaneously). Variable speed control by hand dial or the included foot control type TPU-20-FC. Supplied with hand-piece cradle and a convenient magnetic tool-holder.

- Digital display showing the speed in rpm
- Maximum torque set mode
- Maximum speed set mode
- Built in handle for best portability
- Error code display function
- Foot control with auto-cruise speed function
- Self diagnosis system

Technical data

Input:	AC 200 ~ 240 V at 50/60 Hz
Output:	DC 0 – 32 V, 1,6 A, BLDC 0 – 32 V, 1,6 A
Power DC:	max. 185 W
Power BLDC:	max. 245 W
Weight Power unit:	2,9 kg
Dimensions Power unit:	W137 x D232 x H180 mm
Weight Foot control:	575 g

Voltage	Item number:
220V	TPU-20-220V
110V	TPU-20-110V



Brushless Micro-Motors - HPM-BL1 + HPM-BL2

Brushless micro-motor for use together with twin power unit TPU-20.

Technical data

Speed:	max. 40.000 rpm
Consumed power:	max. 230 W
Torque:	8,5N cm
Weight:	255 g
Dimensions:	L100 x Ø27 mm
Noise:	< 70 db(A) at 40.000 rpm
Vibrations:	< 2,5 m/s ²

Technical data

Speed:	max. 50.000 rpm
Consumed power:	max. 230 W
Torque:	7,6N cm
Weight:	255 g
Dimensions:	L100 x Ø27 mm
Noise:	< 70 db(A) at 50.000 rpm
Vibrations:	< 2,5 m/s ²



Item number: HPM-BL1

Item number: HPM-BL2

Adapter

Adapter for connecting Urawa, Argofile and Gesswein front-pieces to the Diprofil micro-motors type HPM-BL1 and HPM-B1 (when using DC motor type HPM-B1 a specific shaft with item no. D/G-7 is also required).

Item number: D/G



Brushless Rotary Hand-piece - C-HPM-BL1

Micro-motor driven rotary hand-piece with brushless motor for use together with twin power unit TPU-20. Features a quick change design for both the collet and the tool and is supplied with 3,0 mm collet. Optional 2,35 mm collet is available.

Technical data

Speed:	max. 40.000 rpm
Consumed power:	max. 230 W
Torque:	8,5N cm
Weight:	350 g
Dimensions:	L159 x Ø27 mm
Noise:	< 70 db(A) at 40.000 rpm
Vibrations:	< 2,5 m/s ²

Item number: C-HPM-BL1



Brushless Rotary Hand-piece - C-HPM-BL2

Micro-motor driven high speed rotary hand-piece with brushless motor for use together with twin power unit TPU-20. Features a quick change design for both the collet and the tool and is supplied with 3,0 mm collet. Optional 2,35 mm collet available.

Technical data

Speed:	max. 50.000 rpm
Consumed power:	max. 230 W
Torque:	7,6N cm
Weight:	350 g
Dimensions:	L159 x Ø27 mm
Noise:	< 70 db(A) at 50.000 rpm
Vibrations:	< 2,5 m/s ²

Item number: C-HPM-BL2



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