

SPECIFICATION

PLANMECA OY

17.10.2018


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Bien-Air MCX brushless micromotor with LED

The MCX brushless micromotor with LED light is small sized motor for any kind of treatments.



FEATURES AND BENEFITS	
Speed range from 100* rpm to 40 000 rpm *Only in Planmeca dental units	Allows to minimise the number of instruments in the dental operation
Power	<ul style="list-style-type: none">High power, 70 W at 20 000 rpm
Torque	<ul style="list-style-type: none">High torque, 2.5Ncm over the whole speed range
Torque can be limited** Planmeca Compact i Touch: 10-100% Planmeca Compact i Classic: 25%, 50%, 75%	<ul style="list-style-type: none">Especially useful in e.g. polishing the teeth 
High quality LED with adjustable light intensity	<ul style="list-style-type: none">Excellent visibility (neutral white LED)10 times longer lifetime compared to conventional fibre opticsMinimal heating in the handpieceNo more bulb replacements

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Design without brushes and position sensors	Maintenance free, increased lifetime
No tools required for coupling seals replacements	Easy replacements
Very high-output motor preserves a low temperature even under continuous heavy loading	User comfort and long lifetime for the motor
Very quiet operation from low speed to maximum speed	Working comfort for the dentist and hygienist
Motor autoclavable at 135°C	Maximised infection control

Technical specification

Speed	100 to 40 000 rpm
Maximum torque	2.5 Ncm
Power	70 W at 20'000 rpm
Light	LED 15 000 lux
Dimensions (effective length x diameter)	42 x 21 mm
Coupling	Compatible with ISO 3964, with internal spray and LED light
Weight	79g without the cable
Noise level	In accordance with ISO 14457, 51 dBA at 45 cm (17,72 in.)

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****Planmeca Compact i Touch**

Conversion table for the torque control: % to Ncm (with 1:1 handpiece)

%	Ncm
10	0,3
15	0,4
20	0,5
25	0,6
30	0,8
35	0,9
40	1,0
45	1,1
50	1,3
55	1,4
60	1,5
65	1,6
70	1,8
75	1,9
80	2,0
85	2,1
90	2,3
95	2,4
100	2,5

****Planmeca Compact i Classic**

Conversion table for the torque control: % to Ncm (with 1:1 handpiece)

%	Ncm
25	0,6
50	1,3
75	1,9
100	2,5