

POLISHING MACHINE

(Battery operated)

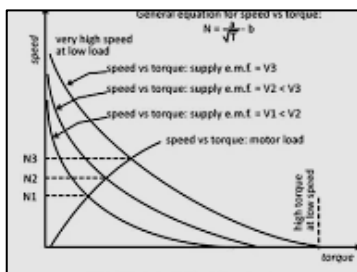
MBOPM series

Introduction:

MBOPM series of battery operated portable angle grinder/polishers are available in more than 5 different modes, virtually offering solutions to high speed/torque control applications for fabrication, paper, wire drawing, printing, extrusion, biomedical, petrochemical, automobile, organic/inorganic chemical, milk plant, sugar, textiles, beverages, water management/treatment, non conventional energy management applications, nuclear and defense and many other research & development applications. To operate in polishing mode, these can operate in constant torque mode as well.

Feature:

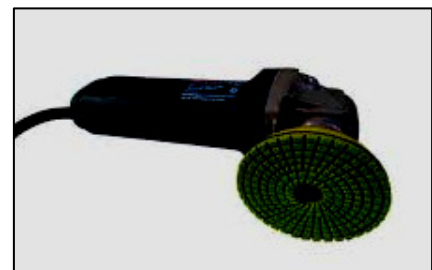
- Compact and energy efficient, low noise
- Dynamically balanced & vibration-less motion
- Inherent self-braking acting action, thus less hunting.
- High battery back to as much 4-5 hours. Maximum torque/k.watt.



SPEED Vs torque characteristic of drill m/c



PMBODG002



MBOPM-005

ELECTRICAL/MECHANICAL SPECIFICATIONS OF BATTERY OPERATED ANGLE GRINDER/POLISHER POWER <2000 Watts

MODEL	Watts	R.P.M.X 100	Torque N.m	Volts D.C.	Amps D.C.	Back up hrs	Battery amp-hr
MBOPM-002	200.0	06/09	3.33/5.00	12/24/option	16.6/8.3	½	07.0
MBOPM-003	300.0	04/6.0	5.00/3.33	24/36/option	21.4/13.0	1.5	14.0
MBOPM-005	500.0	04/6.0	8.51/5.22	36/option	32.4/21.1	1.0	28.0

Battery Operated Polisher controller

Operating voltage: 12/24 volts, d.c.

Frequency: n.d.

Temperature coefficient of variation of control: 10000 ppm

Overload: 25% for 5 min

Load compatibility: ferrous/non-ferrous surface

Rpm ripple: +/- 0.5 percent of rated voltage

Torque egulation: ±1% or better for 0 to 100% change in current

rpm regulation: 1.0% of full voltageLoad: 0.1% of maximum voltage

(Line: ±0.05% of full voltage +500mV over specified input range)

(Input voltage: ± 1.0% of maximum current for a ± 10% input line change) 4X4X8", 2.6 KG

Control: 1.cascade mode feed back control (constant rpm/torque)

Protection: Current limit/Current trip

Isolation of 3kV DC or better should be provided between positive and ground (Body).

Other specs as indicated in datasheet.

Size: 4X4X6 inch, 2.6 k.g.



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