

ANGLE GRINDER MACHINE

(Battery operated)

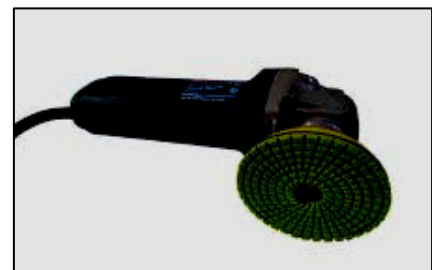
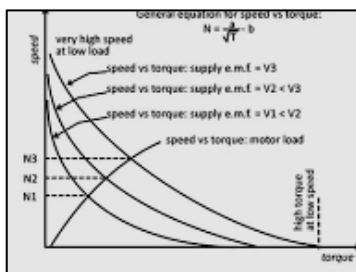
MBOGM series

Introduction:

SPEM 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

MBOGM001

MBODG002

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
MBOGM-002	200.0	09/15	1.26/0.63 x15	12/24/option	16.6/8.3	1/2	07.0
MBOGM-003	300.0	09/15	3.15/1.55 x15	24/36/option	21.4/13.0	1.5	14.0
MBOGM-005	500.0	09/15	6.3/3.15 x15	48/36/option	32.4/21.1	1.0	28.0

Battery Operated Grinder / polisher controller

- Operating voltage: 12/24 volts, d.c.
- Frequency: n.d.
- O/p rpm/torque (peak) ripples: 0.01% of reading
- 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)
- 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: 10x8x8 inch, 3.6 k.g.



5x8x6" (4.3 kg)