

# BATTERY OPERATED VACUUME PUMP

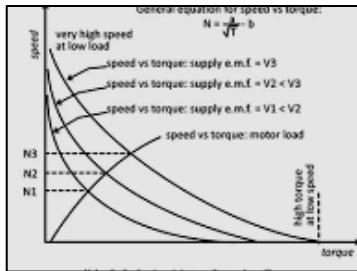
MBOBM series

## Introduction:

SPEM series of battery operated portable blower machines are available in more than 3 different modes, virtually offering solutions to high speed/torque control applications for paint, 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.

## 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 Flow /k.watt.



SPEED Vs torque characteristic of blower

MBOBM002

MBOBM005

### ELECTRICAL/MECHANICAL SPECIFICATIONS OF BATTERY OPERATED BLOWER

POWER <2000 Watts

MODEL	Watts	R.P.M.X 1000	FLOW Cm3/m	Volts D.C.	Amps D.C.	Back up-hrs	Battery Amp- hrs
MBOBM-002	250.0	08	2.2	12/24/option	16.6/8.3	1.0	14
MBOBM-003	500.0	10	4.1	24/36/option	21.4/13.0	1.5	28
MBOBM-005	750.0	14	5.0	48/36/option	32.4/21.1	1.0	24

## Battery Operated blower and controller

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

Frequency: n.d.

Temperature coefficient of variation: 10000 ppm

Overload: 25% for 5 min

Run: four hours

Load compatibility: ferrous/non-ferrous

Flow ripple: +/- 0.5 percent of rated voltage

Flow 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 flow)

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, 2.6 k.g.



Battery charger  
 5x8x6" (4.3 kg)

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