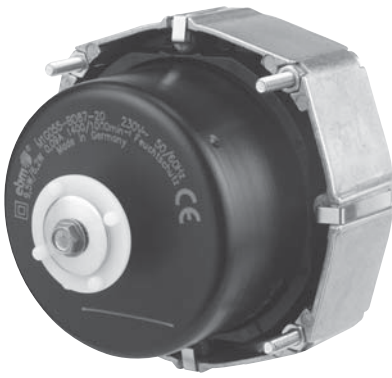




M1G055 Series

Motors

1/50 HP Refrigeration Fan Motor (ESM)

- EC-motor with completely integrated electronics
- AC-line operation
- Proven external rotor motor principle
- Power output up to 14 Watt at 1550 RPM
- Moisture protection suitable for commercial refrigeration
- Ball bearings
- High life expectancy > 40,000 hours

Part Number

M1G055-BD97-47

CFM
@ 0

338*

VAC

115

Hertz

50/60

Power
Output (W)

14

Max Amb.
Temp C

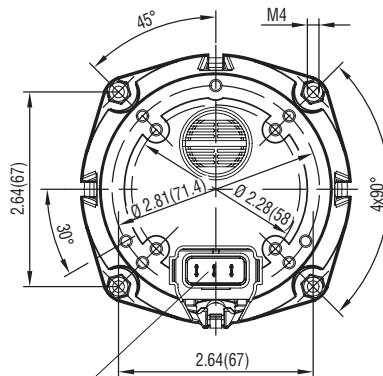
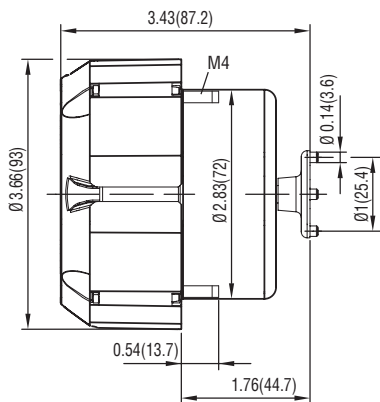
40

Speed
(RPM)

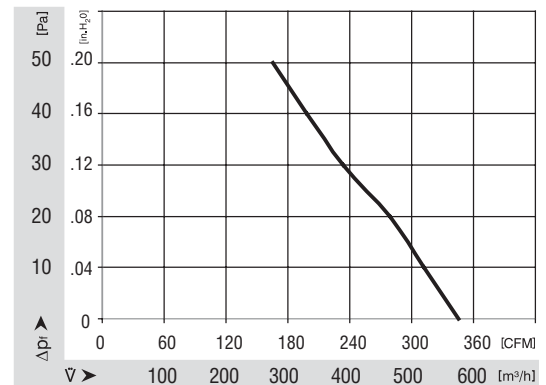
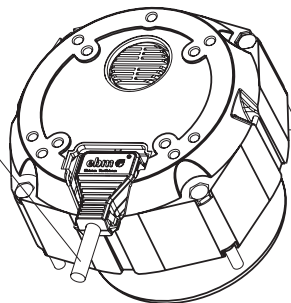
1550

Wgt.
(lbs)

1.87



incl. mains cable with plug (450 mm length)



*Note: Measured with 5-bladed sheet metal impeller 9-inch/22°

ebmpapst

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ebm-papst Inc., 100 Hyde Road, Farmington, CT 06034 USA

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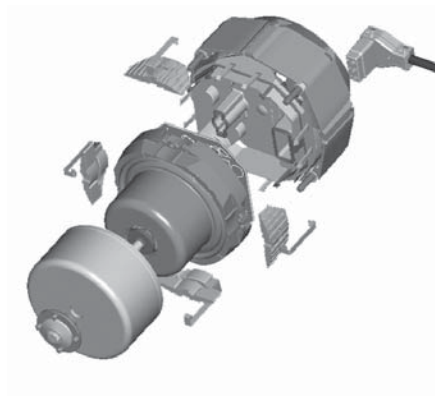
M1G055 Series cont. Motors

1/50 HP Refrigeration Fan Motor (ESM)

- Substitutes standard motors due to common footprint
- Use with standard sheet metal impellers
- Complete range of accessories:
 - ▶ Flat fan guards
 - ▶ Basket fan guards
 - ▶ Wall-rings with motor mounts

Technical Data

▶ Speed:	1550 RPM
▶ Rated Voltage:	115 VAC
▶ Mains Frequency:	50/60 Hz
▶ Approvals:	CE, VDE EN60335, UL1004
▶ Interference Emission:	EN50081-1
▶ Interference Immunity:	EN61000-6-2
▶ Protection Class:	2
▶ Type of Protection:	IP44
▶ Weight:	1.87 lbs (0.85 kg)
▶ Ambient Temperature:	-30° C - 40° C



Optimized Efficiency

- ▶ Efficiency > 65 %
- ▶ Only 1/3 of the power input of shaded-pole motors
- ▶ Little heat load
- ▶ Quick pay back

Comparison in efficiency curves
of the ESM and standard
shaded-pole motor

