

MATRIX

INDUSTRIAL PRODUCTS

OWNER'S MANUAL

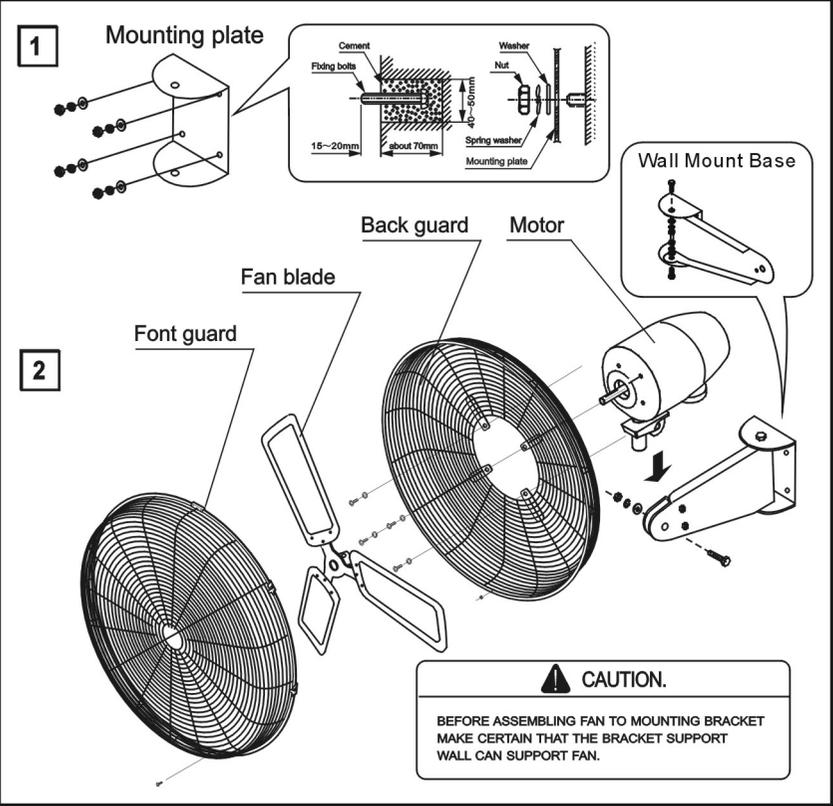
CLEANING

- WARNING:** 1. Use soft damp cloth to clean machine, then wipe with dry cloth.
 2. Do not wet the motor and inner electric box during cleaning.
 3. Do not use harmful cleaners to paints or plastics.
 4. Do not bend the blades.
 5. The motor bearings are permanently sealed and do not require additional lubrication.

IMPORTANT: Surges in electrical power or excessive heat may cause the fan to turn off. Wait approximately 15 minutes for the fan to resume operation.

ASSEMBLY INSTRUCTIONS

The wall fan must be mounted by following the diagram on 12 inch (300mm) thick dry and cement - grouted firm wall or on 4 by 5 inch wood studs / joists.



HIGH VELOCITY WALL FAN

MODEL: FB2-65X(6) ITEM: EA284
 MODEL: FB2-75X(6) ITEM: EA654



MODEL: FB2-65X(6) ITEM: EA284 RATING: 120V~ 60Hz 150W
 MODEL: FB2-75X(6) ITEM: EA654 RATING: 120V~ 60Hz 220W

READ AND SAVE THESE INSTRUCTIONS

CAUTION: Read and follow all instructions before operating fan. Do not use fan if any part is damaged or missing.

WARNING:

- To reduce the risk of fire or electrical shock, do not expose to water or rain.
- To reduce the risk of fire or electrical shock, do not use this fan with any solid state speed control device.
- Automatically operated device - to reduce the risk of injury disconnect from power supply before servicing.
- To reduce the risk of injury to persons, install fan at least 2.1m (7 feet) above the floor.
- Do not operate any fan with a damaged cord or plug. Discard fan or return to an authorized service facility for examination and/or repair.
- Do not run cord under carpeting. Do not cover cord with throw rugs, runners, or similar coverings. Do not route cord under furniture or appliances. Arrange cord away from traffic area and where it will not be tripped over.
- The appliance does not apply to be used in locations where special conditions prevail, such as the presence of a corrosive or explosive atmosphere (dust, vapour or gas).
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the appliance.

RULES FOR SAFE OPERATION:

1. Never insert fingers or any other objects through the grill guard when fan is in operation.
2. Install in interior wall. Not for use in kitchens.
3. Disconnect the fan when removing guards for cleaning.
4. Be sure fan is mounted at least 2.1m (7 feet) above level..
5. Do not use fan in windows. Rain and moisture may create electrical hazard.
6. Do not place the fan near an open flame, cooking or heating appliance, or hot surface.
7. This fan should not be operated outside.

CAUTION: Do not alter the fan's assembly.

WARNING: Be sure front and rear guard screw are completely screwed down in locking position before operation.

WARNING: TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS, OBSERVE THE FOLLOWING.

- a) Installation work and electrical wiring must be done by qualified person(s) in accordance with all applicable codes and standards, including fire-rated construction.
- b) Sufficient air is needed for proper combustion and exhausting of gases through the flue (chimney) of fuel burning equipment to prevent back drafting. Follow the heating equipment manufacturer's guidelines and safety standards such as those published by the National Fire Protection Association (NFPA), and the American Society for Heating, Refrigeration and Air Conditioning Engineers (ASHRAE), and the local code authorities.
- c) When cutting or drilling into wall or ceiling, do not damage electrical wiring and other hidden utilities.

INSTALLATION INSTRUCTIONS

The wall fan must be mounted by following the diagram on 12 inch (300mm) thick and dry, cement - grouted firm wall or on 4 by 5 inch wood studs / joists.

Use wall bracket of wall mount assembly as a template for locating the holes to be drilled on mounting surface.

After determining the 4 hole locations, use an appropriately sized drill bit and, drill holes through mounting surface. Reference acceptable mounting surfaces and appropriate drill bit sizes for application.

Attach wall mount assembly to mounting surface using hardware not provided. It is recommended that a minimum of grade 5 fasteners be used. The following are accepted surfaces for mounting wall mount assembly.

WOOD SURFACE - When mounting to a wooden surface, or wall, surface shall be a minimum of 1 inch thick. Using 5/32" drill bit, drill 4 pilot holes at pre-marked locations. Use four 1/4" wood lags of appropriate length (minimum 1 inch) for mounting surface thickness.

STEEL SURFACE - When mounting to a steel surface of sufficient strength, such as a vertical I-beam, drill 4 holes at pre-marked locations, using a 9/32" drill bit.

Attach wall mount assembly to mounting surface using 1/4"-20 hex screw of appropriate length, in combination with 1/4" flat washers, 1/4" lock washers, and 1/4"-20 hex nuts. **MASONRY SURFACE** - When mounting to a masonry surface use a 1/4" expansion type bolt or 1/4" masonry lag with shield. Drill 4 holes at pre-marked locations using appropriate sized drill bit as recommended for fastener.

OPERATING INSTRUCTIONS

SPEED CONTROL: Pull switch to low, mid and high speeds for respective air velocity. It is normal for the motor to feel warm to touch after continuous operation.

This fan features a thermostat that will automatically shut off should it overheat for any reason. If this happens, immediately unplug the fan from the outlet.

SETTING OSCILLATING MODE (requires use of screwdriver): There are two adjustment holes under the clutch plate.

1. When the positioning screw is set to the middle of the rotating plate, the fan does not oscillate. (See Figure 1)

2. When the screw is in the offset position, the fan will oscillate. To change the setting, unscrew the screw and replace in the alternate position.

CAUTION: Disconnect from mains before changing the setting.(See Figure 2)

SPEED CONTROL: Turn switch to **LOW**, **MIDDLE** and **HIGH** speeds for respective air velocity.

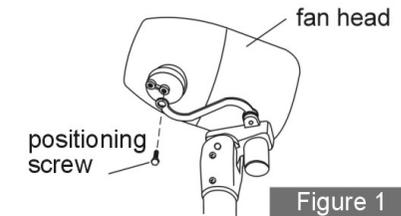


Figure 1

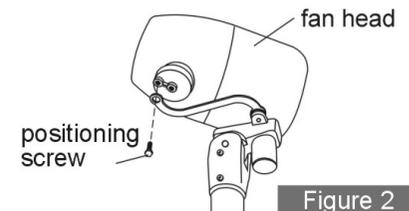


Figure 2