

## Flux Motors / F 460 & F 460-1

Weight: 11 lbs & 13 lbs

UL – Hazardous Locations

Explosion-Proof Enclosure

Class 1 – Group C & D

Temperature Code T-4

Insulation Class F

9,500 RPM

F 460 – 460 watt / .6 HP

F 460-1 – 700 watt / .95 HP input

120 V (230V & 12V & 24V available), 60 Hz, single phase

16' cord

Variable speed model available (230 V only)

Double insulated – see figure # 11, 29, & 34

Heavy duty aluminum body construction / corrosion proof coating – see figure # 11, 29, & 34

The lower housing two wall construction creates high velocity air flow in the open space for cooling efficiency and quiet operation – see figure # 29

Ergonomically designed heavy-duty handle (aluminum construction / corrosion proof coating)

Massive sized thermal overload protection with manual reset – see figure # 19

6.8 amp rating on nameplate – operates at less amps

Cable disengagement protection - see figure # 26, 16, 17, 18, 12, 13, & 14

Easy to check power cable integrity or replace; safety features and extra insulation.

Power cord can be replaced without motor disassembly – see figure # 11

Switch & cover are designed to keep out fumes and moisture – see figure # 1, 4, & 15

Armature is protected by a Ventilator, washer (deflector), and seal for cooling, fume, and moisture protection – see figure # 32, 31, & 30

Armature is dynamically balanced, has heavy gauge wires, has lacquer coated windings, and 36 bars for more surface area of contact for maximum efficiency – see figure # 48

Stator has wrapped coils for protection; also keeps out carbon dust – see figure # 46

Fumes are blocked in 2 areas when housing flange and bearing bracket engages the motor housing – provides fume protection when motor is not operating – see figure # 34 & 40

The driver is metal and coated for corrosion resistance – see figure # 33

Large bearings are sealed – 24 mm OD, 7 mm width, 9 mm opening – see figure 47

32 mm OD, 10 mm width, 12 mm opening – see figure 50

The circlip, ball bearing compensation disc, and o-ring assures top-end alignment of the armature – see figure # 36, 37, & 38

The insulating disc assures that no carbon dust from brush wear gets into the upper bearing – see figure # 41

The carbon brushes are easily accessible for inspection or replacement – see figure # 45