

DESCRIPTION

1.2 SPECIFICATION.

OVERALL

MODEL: WV010-GM-09F
MANUF'R DATE: 24-11-2005
DESCRIPTION: 24" LEAD FREE QUICKSILVER 5° A/K. CVRD. 3.5KW HTRS PLC
SERIAL No: **SALES ORDER No:** 017475 **WORKS ORDER No:** 010262
LENGTH: 1210 mm
WIDTH: 1730 mm
HEIGHT: 2826 mm
WEIGHT (DRY): 832 Kilo (Excluding Solder or optional extras)
ELECT. CIRC: CD1425 **ISS:** E
PNEUMATIC CIRC: PN1053 **ISS:** D
MAX. SINGLE LOAD: 19 Amps
SHORT CIRC. PROTECT: 10,000Amps

SUPPLY

ELECTRICAL: **CABLE:** 4 Wire **PHASE:** 3
VOLTAGE: 400V **NEUTRAL:** NO
FREQ: 50HZ **EARTH:** YES

THIS EQUIPMENT MUST BE GROUNDED

FULL LOAD CURRENT: Supply 63 Amps per Phase
AIR SUPPLY: 60CFM [1699 l/Min @100psi (6.5bar)]
AIR HOLDING TANK: 15 Cubic Ft [425 litres] .43 C Metres/Min @ 7 bar
EXTRACTION: 39.64 cm/min 3"WG 1400cfm

PANEL

MAX. SIZE: 610 mm x 610 mm with 2 pin feature.
 390 mm x 500mm with clamp arm assembly.
MIN. SIZE: 150 mm x 150 mm with 2 pin feature
 50 mm x 50 mm with clamp arm assembly
THICKNESS: 0.8 mm to 3.5 mm
FEED RATE: Variable (minimum 12-15 seconds) Typical.

AUXILIARY OPTIONS

An optional hole punch provides a fast and accurate means of punching the panel mounting slots relative to the panel edge which must be accurate to +0mm/-0.5mm (+0" / -0.02").
An optional wall/floor mounted extraction unit provides efficient removal of exhaust emissions.

SIMPLE, SAFE OPERATION

- All operator controls within easy reach
- Optional stand available
- Precise temperature control
- Quick and easy set-up
- Full extraction kit available
- Low installation and running costs

PANEL FIXTURING/GUIDING

- System superior to other methods, reduces dwell times, eliminating heat damage to board
- Allows correct positioning of air knives at board surface
- Fast panel location
- 2-hole punch supplied

SOLDER SUMP

- Heavy duty solder pump hinges out for easy access
- Dross free dripping zone
- Patented solder cushion for PCB during immersion
- Full insulation minimizes heat loss and energy consumption
- Up-rated external dip zone sump heaters
- Pump zone immersion heaters give rapid response
- Inverter driven dual speed solder pump

AIR KNIVES

- High efficiency, patented aerodynamic nozzles
- Efficient aluminium heat exchanger integrated with titanium nitride nozzles, eliminates air bleed, maintains nozzle and air temperatures
- Hinged knife chamber gives rapid access for cleaning

TOTAL APPLICATION

- Complete control over all operating parameters ensures precise solder coating
- 24"x24" or 24"x30" panel versions
- Multi-layer/flexible/SMD panels
- High throughput—up to 360 panels/hour

MINIMUM MAINTENANCE

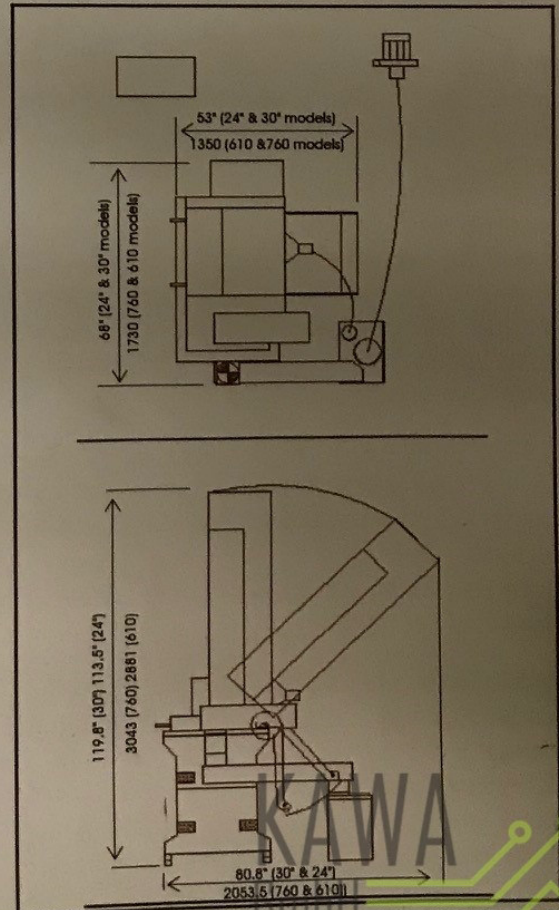
- Self-cleans spent oils and flux
- Few dynamic parts
- Less nozzle cleaning required
- Parts and components chosen for long life and reliability
- Easily cleaned polyester resin covers

BACK UP

- Full after sales service and process support
- Basic tool kit supplied
- Complete documentation provided
- Operator training

SPECIFICATION

Panel Fixturing:	2 slots on panel edge - or - Profile clamp mechanism.
Max. Panel Size:	Standard 2-pin fixturing 610 x 610 mm (24" x 24") Optional 610 x 762 mm (24" x 30") Profile Mechanism 380 x 508 mm (15" x 20")
Max. Panel Thickness:	Standard 2-pin fixturing 3.2 mm (0.125") Profile Mechanism 4.8 mm (0.189")
Min. Panel Thickness:	Standard 2-pin fixturing Unsupported - 0.45 mm (0.018") With jig - any flexible Profile Mechanism 0.75 mm (0.03")
Cycle Time (30"):	Typical - 15/20 seconds (including load & unload)
Electrical:	24" - 400/480 Volts, 50/60Hz 60Amps per Phase 3 Phase + earth 30" - 400/480 Volts, 50/60Hz 70 Amps per Phase 3 Phase + earth
Compressed Air:	7.0 Bar (100 p.s.i.) 1.3 - 1.7 M ³ /min. (45~60 ft ³ /min) (depending on panel size/volume) Air Holding Tank: 425 litres @ 7.0 Bar (15 ft ³ @ 100 psi)
Solder Sump Capacity	610 mm (24") model approximately 230 Kgs (506 lbs) 760 mm (30") model approximately 260 Kgs (572 lbs)



**LEAD FREE / TIN
LEAD SOLDER
COMPARISON**