

# MT AND FMT SERIES

Air Cooled Welding Transformers

**POWERCON**  
POWERCON ELECTRIC

Hi-performance  
at enviable price

## FEATURES

- ★ Liberally designed, robust and compact construction.
- ★ Class 'H' insulation.
- ★ Superior dynamic characteristics.
- ★ High metal recovery.
- ★ Uniform current scale.
- ★ Current indicator and controlling handle on front panel.
- ★ Two rubber tyre rear wheels and steerable front castor.

## BENEFITS

- Long trouble-free service life.
- Longer coil life.
- Low spatter, soft and smooth arc.
- Lower electrode consumption.
- Precise current setting.
- Quicker current adjustment and reduced operator fatigue
- Better manoeuvrability.



**Quality**

**Performance**

**Economy**

**POWERCON --- YOUR WELDING COMPANION WITH A DIFFERENCE**

# MT AND FMT SERIES

The **MT** and **FMT** series of air cooled manual arc welding transformers conforming to **IS: 1851** are specially designed to meet today's demand at sites, and workshops as well. The optimally designed taper moving core system ensures **superior dynamic characteristics** resulting in a **smooth and soft arc** with **minimum spatter**. **Compact, sturdy and really portable**, these sets are manufactured with **Class 'H'** insulation for long **trouble-free** service life. These are extremely **operator- friendly**, and more so since both the current scale and the current control handle are located on the front panel. Because of the **uniform current scale** the operator can set the desired current **precisely and easily**. Due to the two large rubber tyre wheels at the rear and castor at the front the transformer can be **steered to any position effortlessly**.

## SPECIFICATION

INPUT	MT-300	MT-450	FMT-300	FMT-450	FMT-600
Supply Voltage	390 / 415 / 440 V, 50 HZ 2 Lines of 3 phase supply		390/ 415/ 440 V, 50 HZ 2 Lines of 3 phase supply		
Rated KVA (at 60% duty cycle)	21 KVA	50 A	21 KVA	29 KVA	39 KVA
Input Current (at rated output & 415 V supply)	29 KVA	70A	50 A	70A	94A
OUTPUT					
Open Circuit Voltage	81V(Max.)	81V(Max.)	81V(Max.)	81V(Max.)	81V(Max.)
Welding Current Range	40 - 300 A	60 - 450 A	40 - 300 A	50 - 450 A	60 - 600 A
Max. Cont. Hand Weld Current at 60% duty cycle (Rated Output)	250A	350A	250A	350A	500A
Max. Cont. Auto Weld Current at 100% duty cycle	175A	265A	175A	265A	380A
Welding Current Control	Step less	Step less	Step less	Step less	Step less
GENERAL					
Type of cooling	Natural Air	Natural Air	Forced Air	Forced Air	Forced Air
Insulation Class	'H'	'H'	'H'	'H'	'H'
Weight (Approx.)	175 Kg.	195 Kg.	110 Kg.	140 Kg.	180 Kg.
Dimension (Approx.) IXWXH	760 X 625 X 780	800 X 635 X 820	825 X 525 X 650	850 X 560 X 700	880 X 645 X 710

POWERCON provides wide range of Arc Welding Equipment for various welding processes. For more details please contact POWERCON.

POWERCON reserves the right to alter specifications without notice.



## POWERCON ELECTRIC COMPANY

P-70, PHASE II, KASBA INDUSTRIAL ESTATE, KOLKATA-700

078.INDIA

☎ 91-33-2442 6885, FAX 2442 3720, E-MAIL: pcoomer@satyam.net.in

