

# MT AND FMT SERIES

*Air Cooled Welding Transformers*



**HI-PERFORMANCE  
AT ENVIABLE PRICE**

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 wheels at the rear, castor/stay at the front, the transformer can be **steered to any position effortlessly**.



## **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 large rear wheels with front Castor/Stay.

## **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**

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## SPECIFICATION

INPUT	MT - 300	MT - 450	FMT - 300	FMT - 400	FMT - 450	FMT - 600
<b>Supply Voltage</b>	390 / 415 / 440 V, 50 HZ 2 Lines of 3 phase supply		415V, 50 HZ, 2 Lines of 3 Phase Supply		390 / 415 / 440 V, 50 HZ 2 Lines of 3 phase supply	
<b>Rated KVA</b> at 60% duty cycle	21 KVA	29 KVA	21 KVA	23 KVA	29 KVA	39 KVA
<b>Input Current</b> at rated output and 415 V supply	50 A	70 A	50 A	55 A	70 A	94 A
<b>OUTPUT</b>						
<b>Open Circuit Voltage</b>	80 V ( Max.)	80 V ( Max.)	80 V ( Max.)	78 V (Max.)	80 V ( Max.)	80 V ( Max.)
<b>Welding Current Range</b>	40 - 300 A	60 - 450 A	40 - 300 A	75 - 400 A	50 - 450 A	60 - 630 A
<b>Max. Cont. Hand Weld. Current</b> at 60% duty cycle (Rated Output)	250 A	350 A	250 A	300 A	350 A	500 A
<b>Max. Cont. Auto. Weld. Current</b> at 100% duty cycle	175 A	265 A	175 A	230 A	265 A	380 A
<b>Welding Current Control</b>	Stepless	Stepless	Stepless	Stepless	Stepless	Stepless
<b>GENERAL</b>						
<b>Type of cooling</b>	Natural Air	Natural Air	Forced Air	Forced Air	Forced Air	Forced Air
<b>Insulation Class</b>	'H'	'H'	'H'	'H'	'H'	'H'
<b>Weight</b> (Approx.)	160 Kg.	185 Kg.	80 Kg.	85 Kg.	130 Kg.	150 Kg.
<b>Dimension</b> (Approx.) L X W X H mm	750x590x780	785x635x810	710x475x540	710x475x540	830x560x700	830x560x700

POWERCON provides a 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.



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