



## MARS Motor Torque Multiplier

The MARS MT<sup>x</sup> 100, MT<sup>x</sup> 200 and MT<sup>x</sup> 300 motor torque multipliers feature a combination PTC solid state device, and start capacitor in one compact unit.

The MT<sup>x</sup> 100 is designed for use on PSC motors and compressors up to 5HP, 277V maximum; the MT<sup>x</sup> 200 is designed for use on PSC motors and compressors up to 10HP, 277V maximum; and the MARS MT<sup>x</sup> 300 is designed for use on PSC motors & compressors from 1-1/2 up to 10HP, 115-230V. These units are easily installed by connecting the two leads from the MT<sup>x</sup> unit to the motor run capacitor terminals.

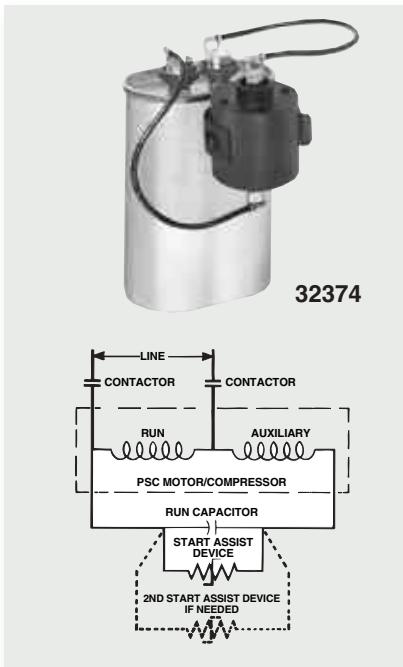
### Features:

- Totally solid state integrated design
- Fast, easy two wire installation
- Three mounting options; clip, screw, or capacitor bracket
- Individually packaged

### Cross Reference

SUPPLIER	PART NO.	MARS REPLACEMENT
GEMLINE	HS600	32701
	HS650	32702
ROBERTSHAW	600-052	32702
	600-057	32701
SUPCO	SPP5	32701
	SPP6	32702

MARS NO.	MODEL NO.	H.P.	VOLT MAX.
32701	100	1/2 to 5	277V
32702	200	1/2 to 10	277V



## Solid State Start Assist Device

MARS Series 327 Start Assists are solid ceramic devices that increase the starting torque of permanent split capacitor (PSC) motor by as much as 500%.

Three different models to choose from let you select the one that's best for each application. MARS Start Assists come equipped with standard 0.25" quick-connect terminals and a handy mounting bracket for safe, fast, easy installation.

Performing in a manner similar to that of a motor starting capacitor and potential relay, our device improves the starting ability of a PSC motor by momentarily increasing the current supplied to the auxiliary winding. When voltage is applied, the MARS Start Assist heats up and changes from very low to very high resistance. Thus, it becomes essentially non-conductive, permitting the compressor motor to return to PSC running operation. MARS motor starters are designed for use on PSC compressor motors of air conditioners, heat pumps, commercial refrigeration pumps, etc. They are connected in parallel with the run capacitor, as the diagram shows.

### Features:

- Less expensive than conventional start capacitor/ relay combination
- Only one component to connect. No relay coil voltages to worry about
- Three different ratings permit choice of unit for best performance
- Constructed of solid ceramic material...no moving parts or contacts to wear or fail
- UL and CSA listings available

**Try our 32375 Super Starter. It is as powerful as 2 start assists wired in parallel.**

MARS NO.	SUGGESTED MAX. HP	APPROX. STARTING* TORQUE INCREASE	RESISTANCE (OHMS)	MAX. LINE VOLTAGE
32370	5	225%	50±20%	292
32374	7.5	335%	25±20%	292
32375	7.5+	500+%	13±20%	292