

E CLASS HARD STARTS



Coupling state of the art electronic potential relay technology and a safety timing circuit, the Elite 'E' Class Hard Start series provide the most reliability of any Hard Start devices.

BENEFITS

- Electronic Potential Relay Technology
- Backup electronic timing circuit to protect the compressor
- Voltage sensing
- Instant re-start
- Easy 2-wire connection

5 ELITE VERSIONS

Providing a solution for any HVAC/R application

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|----------|-----------------------------|-------------|
| • SPP4E | Recommended for 1/8 to 1 hp | 90V - 130V |
| • SPP5E | Recommended for 1/3 to 2 hp | 170V - 277V |
| • SPP6E | Recommended for 1/2 to 3 hp | 170V - 277V |
| • SPP7E | Recommended for 1 to 4 hp | 170V - 277V |
| • SPP8E | Recommended for 1 to 5 hp | 170V - 277V |
| • SPP9E | Recommended for 1 to 5 hp | 170V - 277V |
| • SPP10E | Recommended for 3 to 5 hp | 170V - 277V |



APPLICATIONS

For use on any single phase air conditioning and refrigeration unit. See specifications below for voltage ranges and recommended equipment sizes.

SPECIFICATIONS

	Operating Voltage	Recommended Range	Capacitor
SPP4E	90V – 130V	1/8 hp to 1 hp	88 – 106 μ F
SPP5E	170V – 277V	1/3 hp to 2 hp	43 – 52 μ F
SPP6E	170V – 277V	1/2 hp to 3 hp	88 – 106 μ F
SPP7E	170V – 277V	1 hp to 4 hp	130 – 156 μ F
SPP8E	170V – 277V	1 hp to 5 hp	189 – 227 μ F
SPP9E	170V – 277V	1 hp to 5 hp	233 – 280 μ F
SPP10E	170V – 277V	3 hp to 5 hp	270 – 324 μ F/ 330V

COMPETITIVE COMPARISON

	E Class SPPE Voltage	Kickstart® Voltage	ICM® 850, 860 Voltage	PTC Devices
Start Sensing Technology	Yes	No	Yes	N/A
Uses Electronic Potential Relay	Yes	Yes	Yes	No
Instant Re-Start	Yes	Yes	Yes	No
Senses Motor Start	Yes	Yes	Yes	No
Two wire, non-polarized	Yes	Yes	Yes	Yes
Replaces 3-wire capacitor kit	Yes	Yes	Yes	Yes
UL® approved	Yes	Yes	Pending	Yes
PTCR Device	No	No	No	Yes
Backup Timing Safety Circuit	Yes	No	Yes	N/A
Potentially damaging to motor windings	No	Yes	No	No
Requires non-replaceable fuse protection	No	No	Yes	No



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