

# RS SERIES | RSW SERIES

## Compressor Hard Start Kits



### Features and Benefits

- Higher compressor starting torque
- Extended compressor and equipment life
- Up to 50% lower start-up energy consumption
- 1 year warranty
- Include solid state relay
- Pre-wired for quick installation
- CUL/UL E95218 and RU E510562 agency rating

### Description

Ranco® Rocket™ Hard Start Kits give air conditioning and refrigeration compressors a power boost at startup, maximizing efficiency and preventing stuck compressors. Also, because a compressor requires four to 10 times more power at startup than during normal operation—and might start up more than 6,000 times during high demand season—these kits significantly reduce energy consumption and extend compressor life.

#### Hard Start Kits:

- Increase air conditioning and refrigeration system energy efficiency up to 98%
- Significantly reduce compressor startup time, wear and energy consumption
- Extend compressor and equipment life
- Eliminate stuck compressors at startup

### Applications

- Air conditioning units (condensing units)
- Refrigeration systems
- Mini-splits (ductless)
- Older hard-to-start compressors
- Areas with low power supply quality
- Low-voltage conditions



EXTENDS  
LIFE



50% ENERGY  
REDUCTION



EASY  
INSTALL

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### Specifications

#### RS Series

- Include combination relays and start capacitor (RS)

	<b>RSPP5 Heavy Duty</b>	<b>RSPP6 Heavy Duty</b>	<b>RSPP8E Heavy Duty</b>	<b>RSO410</b>	<b>RSO810</b>
Maximum Torque	up to 300%	up to 500%	up to 690%		
Electrical Rating	½ to 5 HP, 115 to 288V	½ to 10 HP, 115 to 288V	1 to 5 HP, 90 to 277V	120V AC, 243 to 292 µF, ¼ to ⅓ HP	20V AC, 145 to 174 µF, ⅓ to ⅕ HP

#### RSW Series

- Instant Restart
- Prewired for convenience: black wire to compressor common side, striped wire to start winding, red wire to run winding

	<b>RSW1</b>	<b>RSW2</b>	<b>RSW3</b>
Compressor Rating	1 to 3 tons	3½ to 5 tons	4 to 5 tons
Electrical Rating	208 to 244V, 22 to 108MFD	208 to 244V, 189 to 227MFD	208 to 244V, 270 to 324MFD

### Replacement Information Verify specific application requirements before substitution.

<b>Robertshaw Part Numbers</b>	<b>Supco®</b>	<b>Mars®</b>	<b>Parts Connect®</b>	<b>DiversiTech®</b>	<b>CPS® Products</b>
RSPP5	SPP5	32701	PSA5	DST-5	CSRU1   5-2-1
RSPP6	SPP6	32702	PSA6	DST-6	
RSPP8E	SPP8E	32708	PSA8		
RSO410	RCO410	32741	PCS410		
RSO810	RCO810	32781	PCS810		
RSW1	3W1				CSRU1   5-2-1
RSW2	3W2				CSRU2   5-2-1
RSW3	3W3				CSRU3   5-2-1



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