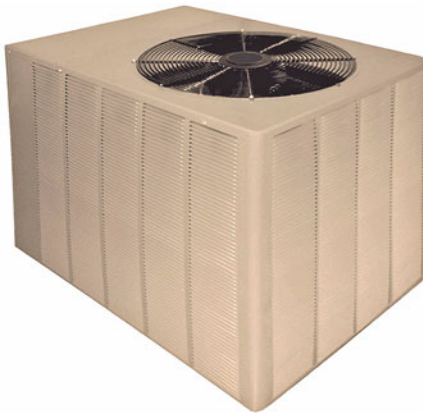


Single Refrigerant Circuit Air-Cooled Scroll Condensing Units—6 to 20 Tons

- Competitive price
- Prepainted exterior cabinet panels pass 1000-hour ASTM B 117 salt spray test for durability
- Vertical air discharge condenser fans for quiet operation
- Scroll compressors provide maximum dependability, efficiency and quiet operation
- Compatible with field supplied WYRG thermostats
- R-410A refrigerant

For more detail, refer to Catalog 223.
For the most current information, refer to www.mcquay.com.



Model RCS—6.5 to 7.5 tons



Model RCS—10 to 12 tons



Model RCS—15 to 20 tons



Available LONMARK certified



Scroll Condensing Units—Physical Data

RCS 06F through 20F, R-410A

Physical Data	RCS model number						
	06F Single	07F Single	10F Single	11F Tandem	12F Tandem	15F Tandem	20F Tandem
Basic data							
Capacity (tons) [kW]	6.5 [22.9]	7.5 [26.4]	10 [35.2]	10 [35.2]	12 [14.2]	15 [52.8]	20 [70.3]
Operating weight	264 [119.8]	283 [128.4]	501 [227.3]	586 [265.8]	650 [294.8]	746 [338.4]	952 [431.8]
Shipping weight	287 [130.2]	306 [138.8]	541 [245.4]	626 [284.0]	690 [313.0]	786 [356.5]	992 [450.0]
Compressor							
Quantity	1	1	1	2	2	2	2
Type	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll
RPM	3500	3500	3500	3500	3500	3500	3500
Refrigerant charge R-410A oz. [g]	178 [5046]	242 [6861]	339 [9661]	300 [8505]	378 [10,716]	506 [14,345]	655 [18,569]
Condenser Fans							
Quantity	1	1	2	2	2	3	3
CFM [L/s]	4700 [2218]	4700 [2218]	8100 [3822]	8100 [3822]	8100 [3882]	12,000 [5663]	12,000 [5663]
Diameter (in.) [mm]	24 [610]	24 [610]	24 [610]	24 [610]	24 [610]	24 [610]	24 [610]
Drive	Direct	Direct	Direct	Direct	Direct	Direct	Direct
Motor horsepower each [W]	1/3 [249]	1/3 [249]	1/3 [249]	1/3 [249]	1/3 [249]	1/3 [249]	1/3 [249]
Type	PSC	PSC	PSC	PSC	PSC	PSC	PSC
RPM	1075	1075	1075	1075	1075	1075	1075
Condenser Coil							
Quantity	1	1	2	2	2	2	2
Rows	1 1/2	2	2	2	2	2	3
Fins per inch	20	22	18	22	22	22	22
Sq. ft. [m ²]	23.0 [2.14]	23.0 [2.14]	27.0 [2.51]	27.0 [2.51]	33.9 [3.05]	40.38 [3.75]	40.38 [3.75]
Fins/tubes	Aluminum/Copper						
Cabinet							
Finish	Powder Coat						
Sheet metal	Galvanized						
Gauge (nominal) top	20	20	20	20	20	20	20
Sides	20	20	20	20	20	20	20
Base rails	14	14	14	14	14	14	14
Refrigerant Connection							
Vapor sweat (in.) [mm]	1-1/8 [29]	1-1/8 [29]	1 3/8 [35]	1 3/8 [35]	1 3/8 [35]	1 3/8 [35]	1 5/8 [41.3]
Liquid sweat (in.) [mm]	1/2 [13]	1/2 [13]	5/8 [16]	5/8 [16]	5/8 [16]	5/8 [16]	7/8 [22]

Scroll Condensing Units—Electrical Data

RCS 06F through 10F, R-410A

Electrical Data	RCS model number								
	06F Single			07F Single			10F Single		
Compressor Motor									
Electrical Characteristics	208/230 3Ø, 60 Hz	460 3Ø, 60 Hz	575 3Ø, 60 Hz	208/230 3Ø, 60 Hz	460 3Ø, 60 Hz	575 3Ø, 60 Hz	208/230 3Ø, 60 Hz	460 3Ø, 60 Hz	575 3Ø, 60 Hz
Unit full load amps ¹	25.0	12.0	8.0	28.0	14.0	10.0	39.0	19.5	15.0
Minimum circuit ampacity	30.2	14.6	9.8	33.5	16.6	12.3	42.0	23.5	17.3
Maximum fuse size (amps) or HACR circuit breaker ampacity ²	50	25	15	50	25	20	60	40	25
Disconnect Size	60	30	30	60	30	30	60	40	25

1. Conditions at 45°F suction and 95°F ambient.
2. Local codes take precedent over recommended fuse size.

RCS 11F through 15F, R-410A

Electrical Data	RCS model number								
	11F Tandem			12F Tandem			15F Tandem		
Compressor Motor									
Electrical Characteristics	208/230 3Ø, 60 Hz	460 3Ø, 60 Hz	575 3Ø, 60 Hz	208/230 3Ø, 60 Hz	460 3Ø, 60 Hz	575 3Ø, 60 Hz	208/230 3Ø, 60 Hz	460 3Ø, 60 Hz	575 3Ø, 60 Hz
Unit full load amps ¹	40.0	22.0	19.0	49.2	23.8	17.4	56.6	28.3	21.0
Minimum circuit ampacity	44.0	23.6	16.3	56.0	27.0	20.0	64.0	32.0	24.0
Maximum fuse size (amps) or HACR circuit breaker ampacity ²	60	30	25	70	35	25	80	40	30
Disconnect Size	60	30	30	60	30	30	100	60	60

1. Conditions at 45°F suction and 95°F ambient.
2. Local codes take precedent over recommended fuse size.

RCS 20F, R-410A

Electrical Data	RCS model number		
	20F Tandem		
Compressor Motor			
Electrical Characteristics	208/230 3Ø, 60 Hz	460 3Ø, 60 Hz	575 3Ø, 60 Hz
Unit full load amps ¹	73.2	39.2	28.6
Minimum circuit ampacity	83.0	44.0	32.0
Maximum fuse size (amps) or HACR circuit breaker ampacity ²	110	60	40
Disconnect Size	200	60	60

1. Conditions at 45°F suction and 95°F ambient.
2. Local codes take precedent over recommended fuse size.