



Air-Cooled Split System Condensing Unit

Catalog 223-3

Model RCS 06F through 20F
6.5 through 20 Tons

R-410A Refrigerant



6.5 – 7.5 Tons



15.0 – 20.0 Tons



10.0 – 12.0 Tons

Physical Data

Unit Capacity and Physical Data

Table 2: RCS 06F – 20F Physical Data

Model				RCS			
	06F Single	07F Single	10F Single	11F Tandem	12F Tandem	15F Tandem	20F Tandem
Capacity and Weight							
Capacity (tons) [kW]	6.5 [22.9]	7.5 [26.4]	10 [35.2]	10 [35.2]	12 [42.2]	15 [52.8]	20 [70.3]
Number of circuits				1			
Operating weight (lbs) [Kg]	291 [132]	318 [144]	501 [227.3]	586 [265.8]	650 [294.8]	746 [338.4]	952 [431.8]
Shipping weight (lbs) [Kg]	314 [142.5]	341 [154.7]	541 [245.4]	626 [284.0]	690 [313.0]	786 [356.5]	992 [450.0]
Compressor							
Quantity	1			2			
Type				Scroll			
RPM				3500			
Refrigerant charge R410A oz. [g]	178 [5046]	242 [6861]	339 [9661]	300 [8505]	378 [10,716]	506 [14,345]	655 [18,569]
Condenser Fans							
Quantity	1			2		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			
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			
RPM				1075			
Condenser Coil							
Quantity	1			2			
Rows	1-1/2			2		3	
Fins per inch	20	22	18	22	22	22	22
Sq. ft. [m²]	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			
Sides				20			
Base rails				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]	1-5/8 [41.3]	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]

Dimensional and Weight Data

Figure 10: RCS 06F and 07F Dimensions and Weights

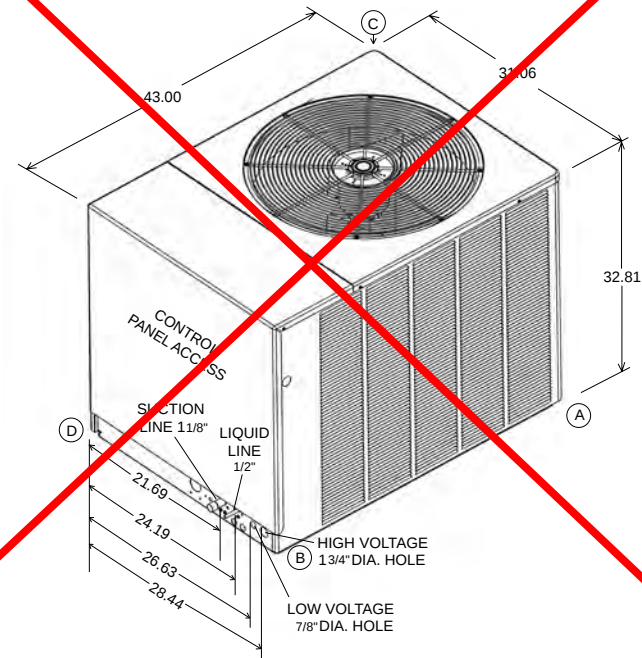


Table 4: RCS 06F and 07F Operating Weights

RCS model	Total weight lbs. [kg]	Corner weight lbs. [kg]			
		A	B	C	D
06F	291 [132]	50 [22.7]	73 [33.1]	69 [31.3]	99 [44.9]
07F	318 [144]	53 [24.0]	84 [38.1]	71 [32.2]	110 [49.9]

Figure 11: RCS 10F and 11F Dimensions and Weights

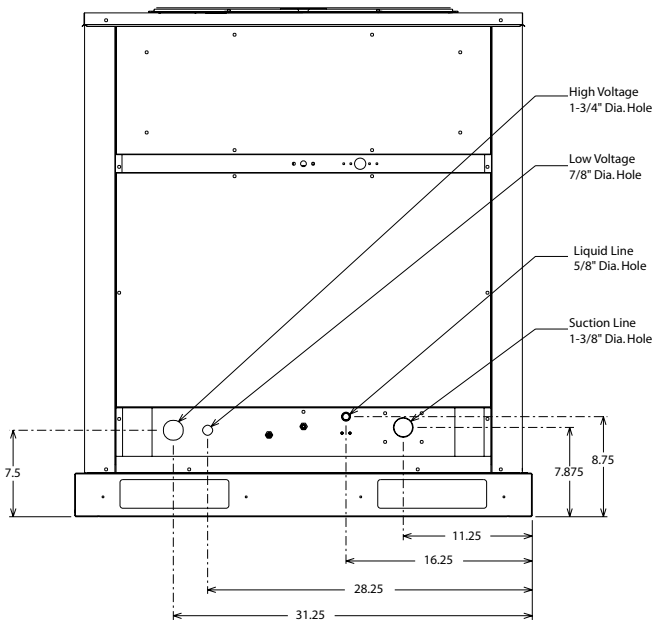
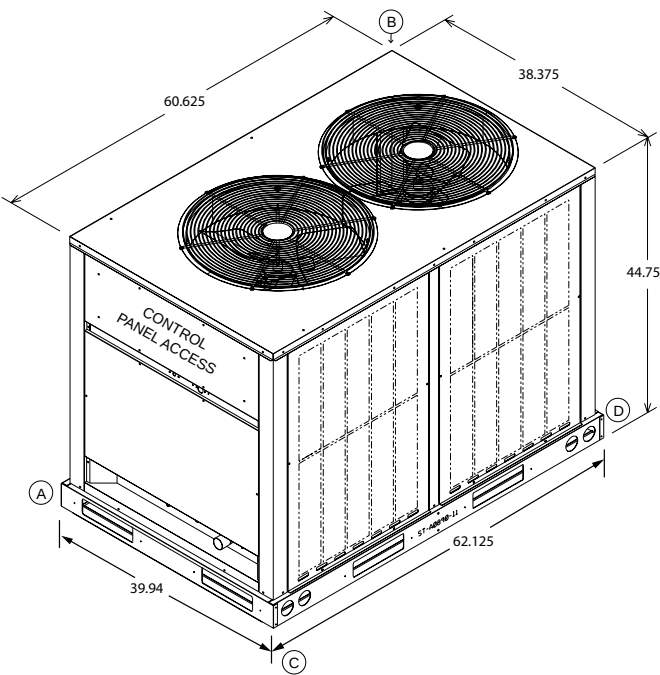


Table 5: RCS 10F and 11F Operating Weights

RCS model	Total weight lbs. [kg]	Corner weight lbs. [kg]			
		A	B	C	D
10F (Single)	501 [228]	123 [53.9]	132 [60.0]	119 [54.1]	127 [58.0]
11F (Tandem)	586 [266]	144 [65.3]	154 [69.9]	139 [63.2]	149 [67.6]