



ADVANCED TEMPERATURE CONTROL CAPACITY AND QUICK SELECTION GUIDE

Cooling and Heating Capacities – Direct Drive Units

Model		Weight*		Truck Engine Cooling Rated Capacity ** (Btu/hr)			Electric Standby Cooling Rated Capacity ** (Btu/hr)			Evaporator Airflow CFM	Heating Capacity (Btu/hr)	
				35°F	0°F	-20°F	35°F	0°F	-20°F		Engine	Electric
		O.T.R.	E.S.B.	35°F	0°F	-20°F	35°F	0°F	-20°F	CFM	Engine	Electric
Vans or Roof Mount	8M (12 Volt DC)	117lb/53kg	117lb/53kg	4,000	-	-	4,000	-	-	500	9,800	-
	10M/10L	125lb/57kg	N.A.	8,300	4,100	-	-	-	-	950	15,000	-
	14RT-M/14RT-L	160lb/73 kg	248 lb/113 kg	10,500	6,050	3,600	7,600	3,750	2,500	950	15,000	5100
	16RT-M/16RT-L	223lb/103 kg	407 lb/185 kg	14,600	8,700	4,500	13,500	5,600	3,600	1,400	23,000	5100
Straight Truck Bodies	14MA/14LA	205lb/93 kg	360 lb/164 kg	10,500	6,050	3,600	7,600	3,750	2,500	950	15,000	5,100
	16MA/16LA	245lb/111 kg	430 lb/195 kg	14,600	8,700	4,500	13,500	5,600	3,600	1,400	23,000	10,200
	18MA/LA	265lb/120 kg	450 lb/205 kg	17,000	10,200	5,765	14,800	5,950	3,900	1,600	40,500	10,200
	20MA/LA	278lb/126 kg	534 lb/243 kg	21,000	11,000	6,200	15,600	6,200	4,100	2,100	46,600	10,200

- 1) Weights are approximate, O.T.R. (Over The Road) weight without electric standby, E.S.B weight with electric stand by.
 2) Rated capacities calculated based on a compressor speed of 2,400 rpm and an ambient temperature of 100°F/38°C.
 3) Rated Over The Road (OTR) engine heat capacities are based on engine cooling temperature of 185F, and delta T 100F.

Box Size/Temperature Guide – Direct Drive Units

		Vans				Straight Truck Bodies (96" Wide x 96" High)								
Cargo Temp	Refrig.	4-6 ft Box	Cargo Van	Extended Van	Step Van to 14 ft	10 ft	12 ft	14 ft	16 ft	18 ft	20 ft	22 ft	24 ft	26 ft
35°F / 1.7°C	R-134a	10M	10M	14RT-M	16RT-M	14MA	14MA	16MA	16MA	18MA	18MA	18MA	20MA	20MA
15°F / -9.5°C	R-404a	10L	10L	14RT-L	16RT-L	14LA	14LA	16LA	16LA	18LA	18LA	20LA	20LA	-
0°F / -17.8°C	R-404a	14RT-L	14RT-L	16RT-L	16RT-L	14LA	16LA	16LA	18LA	18LA	20LA	-	-	-
-20°F / -29°C	R-404a	----- Please consult your local ATC dealer or the factory for -20°F / -29°C applications. -----												

Selections for 35°F, 15°F & 0°F applications based on 3" of insulation , ten door openings per delivery day and a maximum ambient temperature of 100°F/38°C.
 Please consult your local ATC dealer to verify the selection will be appropriate for your application.

