



Duo-Pak

Multi-Circuit Condensing Unit
(Equal to Two Condensing Units)

The Duo-Pak condensing unit will perform the functions of two condensing units. It will replace either a 99M (1 hp) or 69M (3/4 hp) medium temp condensing unit, and a 249L (2-1/2 hp) or 199L (2 hp) or 149L (1-1/2 hp) condensing unit. This combo unit will supply refrigeration to both a walk-in cooler and a freezer.

Duo-Pak is available as PCL (pre-charged with refrigerant and up to 40' of pre-charged lines provided), PC (pre-charges with refrigerant for up to 50' line length) or PR (pre-assembled remote system shipped with nitrogen holding charge).

Duo-Pak Advantages:

- Installer only has one unit to mount.
(reduces the amount of space required).
- Single point electrical.
- Easy access electrical panel.
- Timer for freezer is pre-wired and mounted in electrical box.
- Compressors are branch circuited and individually fused.
- Crank case heaters (outdoor models) only come on when unit is in off-cycle (reduces excess heat that the compressor has to overcome during warm conditions and reduces energy consumption overall).
- Shipping cost is reduced.
- Outdoor models come standard with headmaster valves.
(optional on individual units) Note: headmaster valves allow refrigerant to bypass the condenser coil during cold weather conditions by maintaining a minimum head pressure.
- Color-coded wiring.
- All units have standard liquid line sight glass.
- Energy efficient PSC fan motors are standard.
- Two large 14" fan blades.
- Individual oversized receiver tanks allows capacity for additional refrigerant during pump down when long line runs are required on remote units.
- Units ETL listed to UL Standard 1995.
- Outdoor unit provided with weatherproof housing.
- Indoor unit provided with special indoor housing.



Duo-Pak (404A)

Low & Medium Temp Combo Condensing Units

			Electrical Data										Physical Dimensions w/ Housing			
Model	Low Temp Comp Model	Med Temp Comp Model	Amps @208-230/60/1										Length	Width	Height	Ship Wt. LBS
			Compressor				Cond FLA	CCH		Total CU	MCA	MOPD				
			LT RLA	LT LRA	MT RLA	MT LRA		FRZ	CLR							
149L/69M	CF06K6E	RST55C1E	11.4	59.2	6.8	33.7	2.2	0.1	0.2	18.6	23.6	35	33	40-1/8	22-1/4	258
149L/99M	CF06K6E	RS70C1E	11.4	59.2	7.0	34.2	2.2	0.1	0.2	20.0	23.8	35	33	40-1/8	22-1/4	264
199L/69M	CF09K6E	RST55C1E	16.7	87.0	6.8	33.7	2.2	0.1	0.2	22.2	30.2	45	33	40-1/8	22-1/4	276
199L/99M	CF09K6E	RS70C1E	16.7	87.0	7.0	34.2	2.2	0.1	0.2	23.1	30.4	45	33	40-1/8	22-1/4	285
249L/69M	CF09K6E	RST55C1E	16.7	87.0	6.8	33.7	2.2	0.1	0.2	29.6	30.2	45	33	40-1/8	22-1/4	287
249L/99M	CF09K6E	RS70C1E	16.7	87.0	7.0	34.2	2.2	0.1	0.2	30.5	30.4	45	33	40-1/8	22-1/4	293

			Electrical Data										Physical Dimensions w/ Housing			
Model	Low Temp Comp Model	Med Temp Comp Model	Amps @208-230/60/3										Length	Width	Height	Ship Wt. LBS
			Compressor				Cond FLA	CCH		Total CU	MCA	MOPD				
			LT RLA	LT LRA	MT RLA	MT LRA		FRZ	CLR							
149L/69M	CF06K6E	*RST55C1E	6.4	52.0	6.8	33.7	2.2	0.1	0.2	16.5	17.4	25	33	40-1/8	22-1/4	258
149L/99M	CF06K6E	RS70C1E	6.4	52.0	4.7	31.0	2.2	0.1	0.2	14.4	15.2	20	33	40-1/8	22-1/4	264
199L/69M	CF09K6E	*RST55C1E	10.2	72.2	6.8	33.7	2.2	0.1	0.2	18.2	22.1	30	33	40-1/8	22-1/4	276
199L/99M	CF09K6E	RS70C1E	10.2	72.2	4.7	31.0	2.2	0.1	0.2	16.1	20.0	30	33	40-1/8	22-1/4	285
249L/69M	CF09K6E	*RST55C1E	10.2	72.2	6.8	33.7	2.2	0.1	0.2	22.5	22.1	30	33	40-1/8	22-1/4	287
249L/99M	CF09K6E	RS70C1E	10.2	72.2	4.7	31.0	2.2	0.1	0.2	20.4	20.0	30	33	40-1/8	22-1/4	293

*indicates that the compressor is single phase only and if the system is required in 3-phase a neutral will be required.

Duo-Pak Model Nomenclature

Duo-Paks are available in PCL, PC or PR format and by placing a "D" and one of these "PCL, PC or PR" designations at the front of the model it indicates that a Duo-Pak is being ordered.

Example: DPCL-149L/69MOP = Precharged with line set
 DPC-149L/69MOP = Precharged (No line set)
 DPR-149L/69MOP = Pre-assembled Remote

OP - Indicates outdoor model

PD - Indicates indoor model



BTUH

Low Temp R404A Hermetic (Air Cooled) Condensing Units														Physical Data			
Capacity (BTUH) @ 90°F AMBIENT														Sweat Connection		Rec'r @90% LBS	Ship Wt. LBS
Model	Nom HP	Suction Temperature												ODS. IN.			
		-25	-20	-15	-10	-5	0F	5F	10F	15F	20F	25F	30F	SUC	LIQ		
149L	1-1/2	4,869	6,024	6,949	8,119	9,270	10,131	—	—	—	—	—	—	5/8" OD	3/8" OD	10.2	177
199L	2	7,366	8,884	10,155	11,735	13,318	14,542	—	—	—	—	—	—	7/8" OD	3/8" OD	10.2	186
249L	2-1/2	8,019	9,762	114,664	13,305	14,701	17,296	—	—	—	—	—	—	7/8" OD	3/8" OD	13.6	213

Capacity (BTUH) @ 100°F AMBIENT														Sweat Connection		Rec'r @90% LBS	Ship Wt. LBS
Model	Nom HP	Suction Temperature												ODS. IN.			
		-25	-20	-15	-10	-5	0F	5F	10F	15F	20F	25F	30F	SUC	LIQ		
149L	1-1/2	3,968	4,839	5,702	6,698	7,814	8,612	—	—	—	—	—	—	5/8" OD	3/8" OD	10.2	177
199L	2	6,323	7,498	8,662	8,538	11,475	12,951	—	—	—	—	—	—	7/8" OD	3/8" OD	10.2	186
249L	2-1/2	7,000	8,158	9,913	11,335	12,949	14,542	—	—	—	—	—	—	7/8" OD	3/8" OD	13.6	213

Capacity (BTUH) @ 110°F AMBIENT														Sweat Connection		Rec'r @90% LBS	Ship Wt. LBS
Model	Nom HP	Suction Temperature												ODS. IN.			
		-25	-20	-15	-10	-5	0F	5F	10F	15F	20F	25F	30F	SUC	LIQ		
149L	1-1/2	3,096	3,716	4,431	5,364	5,939	7,212	—	—	—	—	—	—	5/8" OD	3/8" OD	10.2	177
199L	2	---	5,845	7,270	8,346	9,096	10,720	—	—	—	—	—	—	7/8" OD	3/8" OD	10.2	186
249L	2-1/2	5,851	6,928	7,975	9,500	11,026	12,554	—	—	—	—	—	—	7/8" OD	3/8" OD	13.6	213

Capacity (BTUH) @ 110°F AMBIENT														Sweat Connection		Rec'r @90% LBS	Ship Wt. LBS
Model	Nom HP	Suction Temperature												ODS. IN.			
		-25	-20	-15	-10	-5	0F	5F	10F	15F	20F	25F	30F	SUC	LIQ		
149L	1-1/2	2,050	2,806	3,410	4,107	5,015	5,585	—	—	—	—	—	—	5/8" OD	3/8" OD	10.2	177
199L	2	---	---	5,620	6,770	7,625	8,587	—	—	—	—	—	—	7/8" OD	3/8" OD	10.2	186
249L	2-1/2	---	5,438	6,293	7,769	9,055	10,503	—	—	—	—	—	—	7/8" OD	3/8" OD	13.6	213

Hermetic Medium Temp (Air Cooled) Condensing Units														Physical Data			
Capacity (BTUH) @ 90°F AMBIENT														Sweat Connection		Rec'r @90% LBS	Ship Wt. LBS
Model	Nom HP	Suction Temperature												ODS. IN.			
		-25	-20	-15	-10	-5	0F	5F	10F	15F	20F	25F	30F	SUC	LIQ		
69M	3/4	---	---	---	---	---	---	---	5,373	5,960	6,580	7,232	7,911	5/8" OD	3/8" OD	5.8	151
99M	1	---	---	---	---	---	---	---	7,230	8,079	9,048	9,840	10,700	7/8" OD	3/8" OD	10.2	156

Capacity (BTUH) @ 100°F AMBIENT														Sweat Connection		Rec'r @90% LBS	Ship Wt. LBS
Model	Nom HP	Suction Temperature												ODS. IN.			
		-25	-20	-15	-10	-5	0F	5F	10F	15F	20F	25F	30F	SUC	LIQ		
69M	3/4	---	---	---	---	---	---	---	4,830	5,360	5,486	6,433	7,040	5/8" OD	3/8" OD	5.8	151
99M	1	---	---	---	---	---	---	---	6,408	7,140	8,003	8,781	9,315	7/8" OD	3/8" OD	10.2	156

Capacity (BTUH) @ 110°F AMBIENT														Sweat Connection		Rec'r @90% LBS	Ship Wt. LBS
Model	Nom HP	Suction Temperature												ODS. IN.			
		-25	-20	-15	-10	-5	0F	5F	10F	15F	20F	25F	30F	SUC	LIQ		
69M	3/4	---	---	---	---	---	---	---	4,228	4,696	5,200	5,728	6,275	5/8" OD	3/8" OD	5.8	151
99M	1	---	---	---	---	---	---	---	5,592	6,252	6,900	7,439	8,085	7/8" OD	3/8" OD	10.2	156

Capacity (BTUH) @ 110°F AMBIENT														Sweat Connection		Rec'r @90% LBS	Ship Wt. LBS
Model	Nom HP	Suction Temperature												ODS. IN.			
		-25	-20	-15	-10	-5	0F	5F	10F	15F	20F	25F	30F	SUC	LIQ		
69M	3/4	---	---	---	---	---	---	---	3,708	4,118	4,569	5,036	5,527	5/8" OD	3/8" OD	5.8	151
99M	1	---	---	---	---	---	---	---	4,668	5,200	5,790	6,200	6,688	7/8" OD	3/8" OD	10.2	156



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