



ESG Service Information

File In/With: N/A	SI0049
* Supersedes SI0049 (01-03)	New * 04-03
Equipment YT Style "J" Chillers	
YT Style "J" Refrigerant Charge Levels	

GENERAL

The factory recommended charge levels for YT Style "J" chillers have changed several times since their release. This letter will clarify how much refrigerant is required on existing chillers. All YT chillers with variable orifices shipped after November 1, 2000, have a reduced refrigerant charge due to internal condenser design changes.

The three tables below list charge levels for Style 'J' chillers with a fixed orifice and charge levels for chillers with variable orifices, based on ship date.

To determine which chart to use, you will have to know this information about the chiller:

1. Ship Date
2. Orifice Type (Fixed or Variable)
3. Evaporator Shell Code
4. Compressor Code

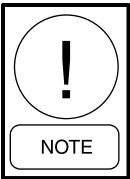
YT Chillers With Fixed Orifices

FIXED ORIFICE			
EVAP. CODE	COMP. CODE	ENGLISH (lb.)	METRIC (kg.)
G0, G1, G3	B, C, E	890	404
H1, H3	C, E	970	440
J1, J3	C, E	1130	513
K1, K3	C, E	1270	576
L1, L3	E	1390	631
K4, K6	F	1390	631
K7, K9	F	1530	694
L4, L6	F	1590	721

YT Chillers With Variable Orifices

VARIABLE ORIFICE (SHIP DATE PRIOR TO NOV. 1, 2001)			
EVAP. CODE	COMP. CODE	ENGLISH (lb.)	METRIC (kg.)
G0, G1, G3	B, C, E	1600	726
H1, H3	C, E	1700	771
J1, J3	C, E	1900	862
K1, K3	C, E	2000	907
L1, L3	E	2200	998
K4, K6	F	2200	998
K7, K9	F	2200	998
L4, L6	F	2400	1089

VARIABLE ORIFICE (SHIP DATE AFTER NOV. 1, 2001)			
EVAP. CODE	COMP. CODE	ENGLISH (lb.)	METRIC (kg.)
G0, G1, G3	B, C, E	890	404
H1, H3	C	970	440
J1, J3	C, E	1130	513
K1, K3	C, E	1270	576
H1, H3	E	1125	510
J1, J3	E	1350	612
K1, K3	E	1350	612
L1, L3	E	1590	721
K4, K6	F	1590	721
K7, K9	F	1650	748
L4, L6	F	1650	748



These charge levels are approximate and variations of $\pm 5\%$ will not significantly affect the performance of a YT chiller. Due to limitations on refrigerant shipping container sizing, the quantity of refrigerant supplied with a new chiller may differ slightly from these recommend charge levels.