



# ADVANCED TEMPERATURE CONTROL

1416 GRAHAMS LANE, BURLINGTON, ONTARIO L7S 1W3

TEL: (905) 637-3468 FAX: (905) 637-3363

## Recommended Refrigeration Charge List\*

### \*Note:

- Provided below is the ATC engine compressor list and the factory charges
  - As indicated below M970405, M970406 and M970407 compressors are shipped without oil
  - Oil is supplied loose and to be filled by the installing dealer

ATC Part Number	Refrigerant	Model	Description	Required Oil (cc)	Oil Type	Shipped Charged?
5783	R-134a	TM15	COMP TM-15 12V 8 GRV	150	PAG	YES
5790	R-134a	TM16	COMP TM-16 12V 2 GRV	180	PAG	
5791	R-134a	TM16	COMP TM-16 12V 2 GRV	180	PAG	
5805C	R-134a	TM16	COMP TM-16HD 8 GRV C HEAD (HOR. - O-RING)	180	PAG	
5805D	R-134a	TM16	COMP TM-16HD 8 GRV D HEAD (VERTICAL O-RING)	180	PAG	
5880B	R-134a	TM21	COMP ICE TM21 12 V 8 GRV 125MM	180	PAG	
5783	R-404A	TM15	COMP TM-15 12V 8 GRV	150	POE	YES
M970405	R-404A	TM16	COMP TM-16 12V 8 GRV	180	POE	NO
M970406	R-404A	TM16	COMP TM-16 12V 2 GRV	180	POE	NO
M970407	R-404A	TM16	COMP TM-16 DIRECT MOUNT 4-3/4 POLY	180	POE	NO

- Provided on the next page is **general** refrigerant and oil charge recommendations for ATC refrigeration units
  - These values are to be considered a basis to getting the installing dealer started
  - Oil charge values shown on the next page are the **additional oil required on top of the compressors factory requirement**
- However, additional refrigerant and oil may be required if:
  - Hose runs are longer than standard (specifically the hose length from cond to evap)
  - Installations occurring in unique climates (i.e., Arizona, Las Vegas)
- Contact ATC for any install specific questions:
  - Phone Number: **1-833-878-5282**
  - Email: [Atcwarranty@atc.ca](mailto:Atcwarranty@atc.ca)



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Unit	Refrig	Additional Oil Charge (oz of Oil)	Refrig Charge (lb. of Refrig)	Additional Refrig for Standby (lb. of Refrig)
<b>8 Series</b>				
8M	R134a	3 oz	3 lb	N/A
8L	R134a	3 oz	3 lb	N/A
<b>10 Series</b>				
10M	R134a	3 oz	4 lb	N/A
10L	R404A	3 oz	4 lb	N/A
<b>14 Series</b>				
14M RT	R134a	3 oz	5 lb	1 lb
14L RT	R404A	3 oz	4.5 lb	1 lb
<b>16 Series</b>				
16MA	R134a	4 oz	6 lb	1 lb
16LA	R404A	4 oz	6 lb	1 lb
16LA	R134a	4 oz	6 lb	1 lb
16M RT	R134a	4 oz	6 lb	1 lb
16L RT	R404A	4 oz	5.5 lb	1 lb
<b>20 Series</b>				
20MA	R134a	4 oz	8 lb	1.5 lb
20LA	R404A	4 oz	7.5 lb	1 lb