



# BULLETIN # 03T-2

Carlyle/RCD Refrigeration Products  
PO Box 4808  
Carrier Parkway, TR3  
Syracuse, NY 13221

**SUBJECT: Revised Recommendations for Calibrated Circuit Breakers**

DATE: January 17, 2003 (Revised March 28, 2006)  
AUTHOR: Paul Tollar

<input checked="" type="checkbox"/> PRODUCT	<input type="checkbox"/> SERVICE & PARTS	<input type="checkbox"/> GENERAL
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Product Name: 06E, 06CC, 06T

**DESCRIPTION**

This bulletin is to update and replace Carlyle Bulletin 00T-6 dated July 7, 2000. The only significant change in this bulletin from the earlier data is there is a new circuit breaker selection for the 30 Hp for 400/460v applications for the 06E & 06TA compressors. The older HH83XA425 circuit breaker has been discontinued and replaced by the HH83XA478 circuit breaker. Slight changes were made in the calibration settings to assist in avoiding nuisance trips.

The attached tables detail these recommendations. Circuit breaker part numbers that are followed by an asterisk indicate that the circuit breaker requires "ring" type power wire terminals. All other circuit breakers listed in these tables utilize a "compression" type power wire terminal.

Many of our 460-volt models have recommendations for both the larger body (XA), and the smaller body (XB), circuit breakers. This allows the customer to choose the most practical or economical circuit breaker for their application.

To assure availability of these circuit breakers, we have increased our minimum inventory levels for the 'Recommended Circuit Breaker' for each model. The 'Alternate' circuit breaker shown in these tables may have a six-week lead-time.



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COMPRESSOR INFORMATION					RECOMMENDED CIRCUIT BREAKERS							
06ER MODELS	VOLTAGE	HP	MAX. M.T.A.	LRA XL	RECOMMENDED PART #	MUST HOLD AMPS	M.T.A.	LRA	ALTERNATE PART #	MUST HOLD AMPS	M.T.A.	LRA
06ER450100	575	15	38	96	HH83XA460	29	33.5	97	HH83XB634	28	33	96
450600	400/460		46	142	HH83XA463	40	46	150	HH83XB695	40	46	142
450300	208/230		90	283	HH83XB626	78	90	250	HH83XB356*	78	90	250
450300	460		46	142	HH83XA463	40	46	150	HH83XB695	40	46	142
06ER465100	575	20	45	120	HH83XA461	33	38	124	HH83XB422	34	40	120
465600	400/460		54	173	HH83XA424	42	49	175	HH83XB606	43	49	173
465300	208/230		108	345	HH83XB625	91	104	350	HH83XB336*	91	104	350
465300	460		54	173	HH83XA424	42	49	175	HH83XB606	43	49	173
06ER475100	575	20	45	120	HH83XA461	33	38	124	HH83XB422	34	40	120
475600	400/460		54	173	HH83XA424	42	49	175	HH83XB606	43	49	173
475300	208/230		108	345	HH83XB625	91	104	350	HH83XB336*	91	104	350
475300	460		54	173	HH83XA424	42	49	175	HH83XB606	43	49	173
06ER399100	575	30	65	176	HH83XA430	50	58	168	HH83XB683	54	62	172
399600	400/460		84	253	HH83XA478	65	76	274	HH83XB609	67	76	274
399300	208/230		168	506	HH83XC539	142	163	507				
399300	460		84	253	HH83XA478	65	76	274	HH83XB609	67	76	274

COMPRESSOR INFORMATION					RECOMMENDED CIRCUIT BREAKERS							
06EM MODELS	VOLTAGE	HP	MAX. M.T.A.	LRA XL	RECOMMENDED PART #	MUST HOLD AMPS	M.T.A.	LRA	ALTERNATE PART #	MUST HOLD AMPS	M.T.A.	LRA
06EM450100	575	15	38	96	HH83XA460	29	33.5	97	HH83XB634	28	33	96
450600	400/460		46	142	HH83XA463	40	46	150	HH83XB695	40	46	142
450300	208/230		90	283	HH83XB626	78	90	250	HH83XB356*	78	90	250
450300	460		46	142	HH83XA463	40	46	150	HH83XB695	40	46	142
06EA565100	575	25	57	164	HH83XA469	46	53	164	HH83XB615	45	51	172
565600	400/460		70	223	HH83XA426	55	64	210	HH83XB607	56	64	215
565300	208/230		140	446	HH83XC509	110	127	420	HH83XC571	112	128	433
565300	460		70	223	HH83XA426	55	64	210	HH83XB607	56	64	215
06EM475100	575	25	57	164	HH83XA469	46	53	164	HH83XB615	45	51	172
475600	400/460		70	223	HH83XA426	55	64	210	HH83XB607	56	64	215
475300	208/230		140	446	HH83XC509	110	127	420	HH83XC571	112	128	433
475300	460		70	223	HH83XA426	55	64	210	HH83XB607	56	64	215
06EM499100	575	35	77	212	HH83XA453	68	78	236	HH83XB680	63	73	240
499600	400/460		96	305	HH83XA547	77	88	283	HH83XB648	75	87	280
499300	208/230		193	610	HH83XC532	158	182	590				
499300	460		96	305	HH83XA547	77	88	283	HH83XB648	75	87	280



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COMPRESSOR INFORMATION					RECOMMENDED CIRCUIT BREAKERS							
06EA MODELS	VOLTAGE	HP	MAX. M.T.A.	LRA XL	RECOMMENDED PART #	MUST HOLD AMPS	M.T.A.	LRA	ALTERNATE PART #	MUST HOLD AMPS	M.T.A.	LRA
06EA550100	575	20	45	120	HH83XA461	33	38	124	HH83XB422	34	40	120
550600	400/460		54	173	HH83XA424	42	49	175	HH83XB606	43	49	173
550300	208/230		108	345	HH83XB625	91	104	350	HH83XB336*	91	104	350
550300	460		54	173	HH83XA424	42	49	175	HH83XB606	43	49	173
06EA565100	575	25	57	164	HH83XA469	46	53	164	HH83XB615	45	51	172
565600	400/460		70	223	HH83XA426	55	64	210	HH83XB607	56	64	215
565300	208/230		140	446	HH83XC509	110	127	420	HH83XC571	112	128	433
565300	460		70	223	HH83XA426	55	64	210	HH83XB607	56	64	215
06EA575100	575	30	65	176	HH83XA430	50	58	168	HH83XB683	54	62	172
575600	400/460		84	253	HH83XA478	65	76	274	HH83XB609	67	76	274
575300	208/230		168	506	HH83XC539	142	163	507				
575300	460		84	253	HH83XA478	65	76	274	HH83XB609	67	76	274
06EA599100	575	40	94	276	HH83XA551	74	86	236	HH83XB636	77	89	240
599600	400/460		118	345	HH83XA550	92	106	295	HH83XB405*	88	102	300
599300	208/230		236	690	HH83XC537	187	215	636				
599300	460		118	345	HH83XA550	92	106	295	HH83XB405*	88	102	300

COMPRESSOR INFORMATION					RECOMMENDED CIRCUIT BREAKERS							
06CC MODELS	VOLTAGE	HP	MAX. M.T.A.	LRA XL	RECOMMENDED PART #	MUST HOLD AMPS	M.T.A.	LRA	ALTERNATE PART #	MUST HOLD AMPS	M.T.A.	LRA
06CC550J	575	15	27	98	HH83XB438*	23	27	86	HH83XB689	23	27	86
06CC550F	400/460		32	142	HH83XB414*	27	32	145	HH83XB698	27	32	145
06CC550E	208/230		68	283	HH83XB455*	59	68	245	HH83XB697	59	68	245
06CC550E	460		32	142	HH83XB414*	27	32	145	HH83XB698	27	32	145
06CC665J	575	20	38	120	HH83XA461	33	38	124				
06CC665F	400/460		50	173	HH83XB437*	43	50	176	HH83XB606	43	49	173
06CC665E	208/230		100	345	HH83XB376*	73	85	333				
06CC665E	460		50	173	HH83XB437*	43	50	176	HH83XB606	43	49	173
06CC675J	575	20	38	120	HH83XA461	33	38	124				
06CC675F	400/460		50	173	HH83XB437*	43	50	176	HH83XB606	43	49	173
06CC675E	208/230		100	345	HH83XB378*	77	89	365				
06CC675E	460		50	173	HH83XB437*	43	50	176	HH83XB606	43	49	173
06CC899J	575	30	58	176	HH83XA430	50	58	168	HH83XA469	46	53	164
06CC899F	400/460		73	253	HH83XB432*	63	73	240	HH83XB604	63	73	240
06CC899E	208/230		141	506	HH83XC406	122	141	464				
06CC899E	460		73	253	HH83XB432*	63	73	240	HH83XB604	63	73	240



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06TR MODELS	VOLTAGE	HP	MAX. M.T.A.	LRA XL	RECOMMENDED PART #	MUST HOLD AMPS	M.T.A.	LRA	ALTERNATE PART #	MUST HOLD AMPS	M.T.A.	LRA
06TRC033C	575	15	33.5	114	HH83XA460	29	33.5	97	HH83XB634	28	33	96
06TRC033B	400/460		46	142	HH83XA463	40	46	142	HH83XB695	40	46	142
06TRC033F	208/230		90	286	HH83XB626	78	90	250	HH83XB356 *	78	90	250
06TRD039C	575	20	39	138	HH83XA461	33	38	124	HH83XB614	34	39	138
06TRD039B	400/460		49	173	HH83XA424	42	49	175	HH83XB606	43	49	173
06TRD039F	208/230		104	348	HH83XB625	91	104	350	HH83XB336 *	91	104	350
06TRD044C	575	20	39	138	HH83XA461	33	38	124	HH83XB614	34	39	138
06TRD044B	400/460		49	173	HH83XA424	42	49	175	HH83XB606	43	49	173
06TRD044F	208/230		104	348	HH83XB625	91	104	350	HH83XB336 *	91	104	350
06TRE048C	575	25	53	172	HH83XA469	46	53	164	HH83XB615	45	51	172
06TRE048B	400/460		64	215	HH83XA426	55	64	210	HH83XB607	56	64	215
06TRE048F	208/230		128	433	HH83XC509	110	127	420	HH83XC571	112	128	433
06TRE054C	575	25	53	172	HH83XA469	46	53	164	HH83XB615	45	51	172
06TRE054B	400/460		64	215	HH83XA426	55	64	210	HH83XB607	56	64	215
06TRE054F	208/230		128	433	HH83XC509	110	127	420	HH83XC571	112	128	433
06TRF065C	575	30	62	219	HH83XB617	54	61	219	HH83XB609	67	76	274
06TRF065B	400/460		76	253	HH83XA474	67	78	274				
06TRF065F	208/230		154	611	HH83XC573	134	154	611				
06TRG078C	575	35	72	258	HH83XB618	63	72	258	HH83XB610	74	89	323
06TRG078B	400/460		89	323	HH83XA475	74	89	323				
06TRG078F	208/230		181	721	HH83XC574	158	181	721				
06TRH088C	575	40	81	296	HH83XB619	71	81	296	HH83XB611	88	101	370
06TRH088B	400/460		101	370	HH83XA476	88	101	370				
06TRH088F	208/230		203	825	HH83XC575	179	203	825				



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06TA MODELS	VOLTAGE	HP	MAX. M.T.A.	LRA XL	RECOMMENDED PART #	MUST HOLD AMPS	M.T.A.	LRA	ALTERNATE PART #	MUST HOLD AMPS	M.T.A.	LRA
06TAD033C	575	20	39	138	HH83XA461	33	38	124	HH83XB614	34	39	138
06TAD033B	400/460		49	173	HH83XA424	42	49	175	HH83XB606	43	49	173
06TAD033F	208/230		104	348	HH83XB625	91	104	350	HH83XB336*	91	104	350
06TAE039C	575	25	53	172	HH83XA469	46	53	164	HH83XB615	45	51	172
06TAE039B	400/460		64	215	HH83XA426	55	64	210	HH83XB607	56	64	215
06TAE039F	208/230		128	433	HH83XC509	110	127	420	HH83XC571	112	128	433
06TAF044C	575	30	62	202	HH83XA430	50	58	168	HH83XB683	54	62	172
06TAF044B	400/460		76	253	HH83XA478	67	76	274	HH83XB609	67	76	274
06TAF044F	208/230		163	510	HH83XC539	142	163	507				
06TAF048C	575	30	62	202	HH83XA430	50	58	168	HH83XB683	54	62	172
06TAF048B	400/460		76	253	HH83XA478	67	76	274	HH83XB609	67	76	274
06TAF048F	208/230		163	510	HH83XC539	142	163	507				
06TAG054C	575	35	78	242	HH83XA453	68	78	236	HH83XB680	63	73	240
06TAG054B	400/460		88	305	HH83XA547	77	88	283	HH83XB648	75	87	280
06TAG054F	208/230		182	610	HH83XC532	158	182	590				
06TAG065C	575	35	72	258	HH83XB618	63	72	258	HH83XB610	74	89	323
06TAG065B	400/460		89	323	HH83XA475	74	89	323				
06TAG065F	208/230		181	721	HH83XC574	158	181	721				
06TAH078C	575	40	81	296	HH83XB619	71	81	296	HH83XB611	88	101	370
06TAH078B	400/460		101	370	HH83XA476	88	101	370				
06TAH078F	208/230		230	825	HH83XC575	179	203	825				
06TAK088C	575	50	92	351	HH83XB610	74	89	323	HH83XB612	100	114	439
06TAK088B	400/460		114	440	HH83XA477	100	115	439				
06TAK088F	208/230		230	974	HH83XC576	200	230	979				