



BULLETIN # 03T-02

Carlyle Compressor Division
PO Box 4808
Carrier Parkway, TR4
Syracuse, NY 13221

SUBJECT: Revised Recommendations for Calibrated Circuit Breakers

DATE: January 17th, 2003 (2nd Revision; April 26th, 2012)
AUTHOR: John Byrnes

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

DESCRIPTION

This Bulletin is intended to update Carlyle Bulletin 03T-2, dated January 17th, 2003 (and the subsequent First Revision dated March 28th, 2006). The significant change in this revision is to change the ‘Recommended Part #’ from the HH83XA-type breakers to the existing HH83XB-type breakers, where applicable, and as shown in the following charts.

The HH83XA-type breakers are now listed as the Alternate Part # (as applicable and as shown).

Circuit Breaker Part #'s that are followed by a ‘1’ indicate that the circuit breaker requires “ring” type power wire terminals. All other circuit breakers listed in these charts utilize “compression” type power wire terminal.

Carlyle offers two accessory packages for “ring” type power terminals;

- 06EA660152 - for use with #1 - #2 size wire
- 06EA660153 - for use with #4 size wire

These packages include ring terminals, cap screws and lock washers. These packages are not required for HH83XA, XC and HH83XB6 series circuit breakers.

The following chart details the technical specifications of these devices and defines the usage.



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COMPRESSOR INFORMATION					RECOMMENDED CIRCUIT BREAKERS							
COMPRESSOR MODEL	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
06ER*50100 _600 _300	575	15	38	96	HH83XB634	28	33	96	HH83XA460	29	33.5	97
	400/460		46	142	HH83XB695	40	46	142	HH83XA463	40	46	150
	208/230		90	283	HH83XB626	78	90	250	HH83XB356 ¹	78	90	250
	460		46	142	HH83XB695	40	46	142	HH83XA463	40	46	150
06ER*65100 _600 _300	575	20	45	120	HH83XB422	34	40	120	HH83XA461	33	38	124
	400/460		54	173	HH83XB606	43	49	173	HH83XA424	42	49	175
	208/230		108	345	HH83XB625	91	104	350	HH83XB336 ¹	91	104	350
	460		54	173	HH83XB606	43	49	173	HH83XA424	42	49	175
06ER*75100 _600 _300	575	20	45	120	HH83XB422	34	40	120	HH83XA461	33	38	124
	400/460		54	173	HH83XB606	43	49	173	HH83XA424	42	49	175
	208/230		108	345	HH83XB625	91	104	350	HH83XB336 ¹	91	104	350
	460		54	173	HH83XB606	43	49	173	HH83XA424	42	49	175
06ER*99100 _600 _300	575	30	65	176	HH83XB683	54	62	172	HH83XA430	50	58	168
	400/460		84	253	HH83XB609	67	76	274	HH83XA478	65	76	274
	208/230		168	506	HH83XC539	142	163	507	No Alt. Available			
	460		84	253	HH83XB609	67	76	274	HH83XA478	65	76	274

* - An Asterisk (*) at the 4th digit may be an 'A', '2' or '3'. An Asterisk at the 5th digit may be a '3', '4', '5', '7' or 'Y'

¹ - Note 1 indicates that the Circuit Breaker requires "ring" type power wire terminals.

COMPRESSOR INFORMATION					RECOMMENDED CIRCUIT BREAKERS							
COMPRESSOR MODEL	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
06EM*50100 _600 _300	575	15	38	96	HH83XB634	28	33	96	HH83XA460	29	33.5	97
	400/460		46	142	HH83XB695	40	46	142	HH83XA463	40	46	150
	208/230		90	283	HH83XB626	78	90	250	HH83XB356 ¹	78	90	250
	460		46	142	HH83XB695	40	46	142	HH83XA463	40	46	150
06E**65100 _600 _300	575	25	57	164	HH83XB615	45	51	172	HH83XA469	46	53	164
	400/460		70	223	HH83XB607	56	64	215	HH83XA426	55	64	210
	208/230		140	446	HH83XC509	110	127	420	HH83XC571	112	128	433
	460		70	223	HH83XB607	56	64	215	HH83XA426	55	64	210
06EM*75100 _600 _300	575	25	57	164	HH83XB615	45	51	172	HH83XA469	46	53	164
	400/460		70	223	HH83XB607	56	64	215	HH83XA426	55	64	210
	208/230		140	446	HH83XC509	110	127	420	HH83XC571	112	128	433
	460		70	223	HH83XB607	56	64	215	HH83XA426	55	64	210
06EM*99100 _600 _300	575	35	77	212	HH83XB680	63	73	240	HH83XA453	68	78	236
	400/460		96	305	HH83XB648	75	87	280	HH83XA547	77	88	283
	208/230		193	610	HH83XC532	158	182	590	No Alt. Available			
	460		96	305	HH83XB648	75	87	280	HH83XA547	77	88	283

* - An Asterisk (*) at the 4th digit may be an 'A', '2' or '3'. An Asterisk at the 5th digit may be a '3', '4', '5', '7' or 'Y'

¹ - Note 1 indicates that the Circuit Breaker requires "ring" type power wire terminals.



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COMPRESSOR INFORMATION					RECOMMENDED CIRCUIT BREAKERS							
COMPRESSOR MODEL	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
06E**50100 _600 _300	575	20	45	120	HH83XB422	34	40	120	HH83XA461	33	38	124
	400/460		54	173	HH83XB606	43	49	173	HH83XA424	42	49	175
	208/230		108	345	HH83XB625	91	104	350	HH83XB336 ¹	91	104	350
	460		54	173	HH83XB606	43	49	173	HH83XA424	42	49	175
06E**65100 _600 _300	575	25	57	164	HH83XB615	45	51	172	HH83XA469	46	53	164
	400/460		70	223	HH83XB607	56	64	215	HH83XA426	55	64	210
	208/230		140	446	HH83XC509	110	127	420	HH83XC571	112	128	433
	460		70	223	HH83XB607	56	64	215	HH83XA426	55	64	210
06E**75100 _600 _300	575	30	65	176	HH83XB683	54	62	172	HH83XA430	50	58	168
	400/460		84	253	HH83XB609	67	76	274	HH83XA478	65	76	274
	208/230		168	506	HH83XC539	142	163	507	No Alt. Available			
	460		84	253	HH83XB609	67	76	274	HH83XA478	65	76	274
06E**99100 _600 _300	575	40	94	276	HH83XB636	77	89	240	HH83XA551	74	86	236
	400/460		118	345	HH83XB405 ¹	88	102	300	HH83XA550	92	106	295
	208/230		236	690	HH83XC537	187	215	636	No Alt. Available			
	460		118	345	HH83XB405 ¹	88	102	300	HH83XA550	92	106	295

* - An Asterisk (*) at the 4th digit may be an 'A', '2' or '3'. An Asterisk at the 5th digit may be a '3', '4', '5', '7' or 'Y'

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COMPRESSOR INFORMATION					RECOMMENDED CIRCUIT BREAKERS							
COMPRESSOR MODEL	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 06CC550F 06CC550E	575	15	27	98	HH83XB438 ¹	23	27	86	HH83XB689	23	27	86
	400/460		32	142	HH83XB414 ¹	27	32	145	HH83XB698	27	32	145
	208/230		68	283	HH83XB455 ¹	59	68	245	HH83XB697	59	68	245
	460		32	142	HH83XB414 ¹	27	32	145	HH83XB698	27	32	145
06CC665J 06CC665F 06CC665E	575	20	38	120	HH83XA461	33	38	124	No Alt. Available			
	400/460		50	173	HH83XB437 ¹	43	50	176	HH83XB606	43	49	173
	208/230		100	345	HH83XB376 ¹	73	85	333	HH83XB699	73	100	333
	460		50	173	HH83XB437 ¹	43	50	176	HH83XB606	43	49	173
06CC675J 06CC675F 06CC675E	575	20	38	120	HH83XA461	33	38	124	No Alt. Available			
	400/460		50	173	HH83XB437 ¹	43	50	176	HH83XB606	43	49	173
	208/230		100	345	HH83XB376 ¹	77	89	365	HH83XB699	73	100	333
	460		50	173	HH83XB437 ¹	43	50	176	HH83XB606	43	49	173
06CC899J 06CC899F 06CC899E	575	30	58	176	HH83XA430	50	58	168	HH83XA469	46	53	164
	400/460		73	253	HH83XB432 ¹	63	73	240	HH83XB604	63	73	240
	208/230		141	506	HH83XC406	122	141	464	No Alt. Available			
	460		73	253	HH83XB432 ¹	63	73	240	HH83XB604	63	73	240

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06TRC033C	575	15	33.5	114	HH83XB634	28	33	96	HH83XA460	29	33.5	97
06TRC033B	400/460		46	142	HH83XB695	40	46	142	HH83XA463	40	46	150
06TRC033F	208/230		90	286	HH83XB626	78	90	250	HH83XB356 ¹	78	90	250
06TRD039C	575	20	39	138	HH83XB614	34	39	138	HH83XA461	33	38	124
06TRD039B	400/460		49	173	HH83XB606	43	49	173	HH83XA424	42	49	175
06TRD039F	208/230		104	348	HH83XB625	91	104	350	HH83XB336 ¹	91	104	350
06TRD044C	575	20	39	138	HH83XB614	34	39	138	HH83XA461	33	38	124
06TRD044B	400/460		49	173	HH83XB606	43	49	173	HH83XA424	42	49	175
06TRD044F	208/230		104	348	HH83XB625	91	104	350	HH83XB336 ¹	91	104	350
06TRE048C	575	25	53	172	HH83XB615	45	51	172	HH83XA469	46	53	164
06TRE048B	400/460		64	215	HH83XB607	56	64	215	HH83XA426	55	64	210
06TRE048F	208/230		128	433	HH83XC509	110	127	420	HH83XC571	112	128	433
06TRE054C	575	25	53	172	HH83XB615	45	51	172	HH83XA469	46	53	164
06TRE054B	400/460		64	215	HH83XB607	56	64	215	HH83XA426	55	64	210
06TRE054F	208/230		128	433	HH83XC509	110	127	420	HH83XC571	112	128	433
06TRF065C	575	30	62	219	HH83XB617	54	61	219	No Alt. Available	67	78	274
06TRF065B	400/460		76	253	HH83XB609	67	76	274	HH83XA474			
06TRF065F	208/230		154	611	HH83XC573	134	154	611	No Alt. Available			
06TRG078C	575	35	72	258	HH83XB618	63	72	258	No Alt. Available	74	89	323
06TRG078B	400/460		89	323	HH83XB610	74	89	323	HH83XA475			
06TRG078F	208/230		181	721	HH83XC574	158	181	721	No Alt. Available			
06TRH088C	575	40	81	296	HH83XB619	71	81	296	No Alt. Available	88	101	370
06TRH088B	400/460		101	370	HH83XB611	88	101	370	HH83XA476			
06TRH088F	208/230		203	825	HH83XC575	179	203	825	No Alt. Available			

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06TAD033C	575		39	138	HH83XB614	34	39	138	HH83XA461	33	38	124
06TAD033B	400/460	20	49	173	HH83XB606	43	49	173	HH83XA424	42	49	175
06TAD033F	208/230		104	348	HH83XB625	91	104	350	HH83XB336 ¹	91	104	350
06TAE039C	575		53	172	HH83XB615	45	51	172	HH83XA469	46	53	164
06TAE039B	400/460	25	64	215	HH83XB607	56	64	215	HH83XA426	55	64	210
06TAE039F	208/230		128	433	HH83XC509	110	127	420	HH83XC571	112	128	433
06TAF044C	575		62	202	HH83XB683	54	62	172	HH83XA430	50	58	168
06TAF044B	400/460	30	76	253	HH83XB609	67	76	274	HH83XA478	65	76	274
06TAF044F	208/230		163	510	HH83XC539	142	163	507				
06TAF048C	575		62	202	HH83XB683	54	62	172	HH83XA430	50	58	168
06TAF048B	400/460	30	76	253	HH83XB609	67	76	274	HH83XA478	65	76	274
06TAF048F	208/230		163	510	HH83XC539	142	163	507				
06TAG054C	575		78	242	HH83XB680	63	73	240	HH83XA453	68	78	236
06TAG054B	400/460	35	88	305	HH83XB648	75	87	280	HH83XA547	77	88	283
06TAG054F	208/230		182	610	HH83XC532	158	182	590				
06TAG065C	575		72	258	HH83XB618	63	72	258				
06TAG065B	400/460	35	89	323	HH83XB610	74	89	323	HH83XA475	74	89	323
06TAG065F	208/230		181	721	HH83XC574	158	181	721				
06TAH078C	575		81	296	HH83XB619	71	81	296				
06TAH078B	400/460	40	101	370	HH83XB611	88	101	370	HH83XA476	88	101	370
06TAH078F	208/230		203	825	HH83XC575	179	203	825				
06TAK088C	575		92	351	HH83XB610	74	89	323				
06TAK088B	400/460	50	114	440	HH83XB612	100	114	439	HH83XA477	100	115	439
06TAK088F	208/230		230	974	HH83XC576	200	230	979				

¹ - Note 1 indicates that the Circuit Breaker requires "ring" type power wire terminals.

Feel free to contact Application Engineering at 800-GO-CARLYLE (800-462-2759) if you have any questions related to this bulletin.