

R134a Compressors

Performance Specifications									Electrical Specifications									
Part #	Old Part #	Nominal HP	Volts	Application	Capacity BTU/H - ASHRAE			Replacement Guide		Part #	Start Torque	Motor Type	LRA	Relay	Overload	Capacitor	Diagrams	
					L/MBP	HBP32	HBP46	Tecumseh	Copeland								Physical	Wiring
30-EMIS30HHR1	EM30HHR, EM30HER, EMJ30HSC	1/10	115	L/M/HBP	340	1,480	-	AEA1325YXA, AEA1332YXA, AEA3414YXA	-	30-EMIS30HHR1	NORMAL	RSIR/CSIR	16.0	513504263 (RSIR) 513504271 (CSIR)	13554064	START - 513556549	PD1	WD1
30-EMI45HER	--	1/8	115	LBP	420	-	-	AEA1338YXA	-	30-EMI45HER	NORMAL	RSIR	15.0	513504403	13634394	N/A	PD1	WD2
30-EM45HHR	EM40HHR, EM45HHR	1/8	115	L/M/HBP	420	1,775	-	AEA3417YXA	-	30-EM45HHR	NORMAL	RSIR/CSIR	17.0	513515292	513634475	START - 513556521	PD1	WD1
30-EMI50HER	-	1/6	115	LBP	510	-	-	-	-	30-EMI50HER	NORMAL	RSIR	18.0	513504314	13634394	N/A	PD1	WD1
59-NEK6132Z1	NB5132Z, NB5132Z	1/6	115	HBP	-	-	1,762	AEA3417YXA	ARE13C3E-IAA, ARE13C4E-IAA	59-NEK6132Z1	HIGH	CSIR	26.0	2271141	2324115	START - 2252282	PD4	WD3
59-NEK6144Z1	NB5144Z, NB6144Z	1/6+	115	HBP	-	-	2,183	-	ARE17C3E-IAA, ARE17C4E-IAA	59-NEK6144Z1	HIGH	CSIR	26.0	2271141	2324068	START - 2252282	PD4	WD3
30-EM65HHR	-	1/5	115	HBP	-	2,600	-	AEA3425YXA	-	30-EM65HHR	NORMAL	RSIR	26.0	513504051	13634001	N/A	PD1	WD6
30-FF7.5HBK	EM60HER, FF6HBK, EME60HER, EM65HHC, EM65HHR, EGY70HLP	1.5+	115	L/M/HBP	630	2,760	-	AEA1360YXA, AEA3425YXA	ARE25C3E-IAA	30-FF7.5HBK	NORMAL	RSIR	25.0	513516134	513506070	N/A	PD2	WD2
59-NEK6160Z1	NE5160Z1, NE6160Z1	1/4	115	HBP	-	-	2,884	-	ARE25C4E-IAA, ARE25C3E-IAA	59-NEK6160Z1	HIGH	CSIR	28.5	2271126	2324063	START - 2252318	PD4	WD3
30-FF8.5HBK	EM70HER, EM70HHR	1/4	115	L/M/HBP	740	3,135	-	AEA1370YXA, AEA3430YXA	ARE29C4E-IAA, ARE27C3E-IAA	30-FF8.5HBK	NORMAL	RSIR/CSIR	34.5	513506244 (RSIR) 513506252 (CSIR)	513554000	START - 513556529	PD2	WD2
59-NE2121Z1	-	1/4	115	LBP	950	-	-	AEA1390YXA	AFF07C3E-IAA	59-NE2121Z1	HIGH	CSIR	29.0	2283001	2321018	START - 2252230	PD4	WD3
59-NEK6170Z1	NE5170Z1, NE6170Z1	1/4	115	HBP	-	-	3,340	AEA4430YXA	ARE29C4E-IAA, ARE27C3E-IAA, ARE29C4E-IAA	59-NEK6170Z1	HIGH	CSIR	28.5	2271126	2324055	START - 2252318	PD4	WD3
30-FF10HBK1	-	1/4+	115	L/M/HBP	840	3,530	-	AEA1380YXA	-	30-FF10HBK1	NORMAL	RSIR/CSIR	40.0	513506242 (RSIR) 513506245 (CSIR)	13554447	START - 513556533	PD2	WD2
30-FF10HBX	-	1/4+	115	L/M/HBP	840	3,650	-	-	ARE37C3E-IAA	30-FF10HBX	HIGH	CSIR	35.0	513506009	13554609	START - 513556529	PD2	WD2

Checkpoint Temperatures

	LBP	HBP32	HBP46
Evaporator	-10°F	45°F	45°F
Condenser	130°F	130°F	130°F
Liquid (after expansion valve)	90°F	90°F	115°F
Ambient	90°F	90°F	95°F
Suction	90°F	90°F	95°F

