

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-FFI10HBX	-	1/3	115	L/M/HBP	1,065	4,400	-	AEA4440YXA, AEA3440YXA	-	30-FFI10HBX	HIGH	CSIR	35.0	513506009	13554609	START - 513558529	PD2	WD2	
59-NE2130Z1	-	1/3	115	LBP	1,250	-	-	-	AFE10C3E-IAA	59-NE2130Z1	HIGH	CSIR	38.0	2271016	2324059	START - 2252282	PD4	WD3	
59-NEK6187Z1	-	1/3+	115	HBP	-	-	3,830	AEA3440YXA, AEA4440YXA	ARE34C4E-IAA	59-NEK6187Z1	HIGH	CSIR	37.0	2271011	2324093	START - 2252320	PD4	WD3	
59-NEK6210Z1	NE5187Z1, NE6187Z1	1/3+	115	HBP	-	-	4,524	-	ARE40C4E-IAA, ARE37C3E-IAA	59-NEK6210Z1	HIGH	CSIR	37.0	2283012	2321020	START - 2252289	PD4	WD3	
30-FFI12HBX	FFU130HAX	1/3+	115	L/M/HBP	1,190	5,300	-	AEA2410YXA, AEA4448YXA	ARE40C4E-IAA, ARE37C3E-IAA	30-FFI12HBX	HIGH	CSIR	43.0	513506066	13554099	START - 513558635	PD2	WD2	
59-NE2134Z1	T2134Z1	1/2	115	LBP	1,450	-	-	AEA2413YXA	AFE12C3E-IAA, AFT12C1E-IAA	59-NE2134Z1	HIGH	CSIR	33.0	2271011	2324063	START - 2252320	PD4	WD3	
59-NEK2140Z1	-	1/2	115	LBP	1,700	-	-	AJA2419YXA	AFE12C4E-IAA	59-NEK2140Z1	HIGH	CSIR	40.0	2271053	2324092	START - 2252324	PD4	WD3	
59-NEK6212Z1	NE6210Z1	1/2	115	HBP	-	-	5,178	AEA4448YXA	ARE46C4E-IAA, ARE41C3E-IAA	59-NEK6212Z1	HIGH	CSIR	40.0	2271016	2324108	START - 2252324	PD4	WD3	
59-NEK6214Z1	-	3/4-	115	HBP	-	-	5,960	AKA4460YXA	ART51C1E-IAA, ART51C4E-IAA	59-NEK6214Z1	HIGH	CSCR	48.0	1253050	2321125	START - 2252331 RUN - 2253315	PD4	WD4	
59-NT6215Z2	T6213Z2, T6215Z2	1/2+	208-230	HBP	-	-	6,400	AKA4460YXD	ART51CE-IAV	59-NT6215Z2	HIGH	CSIR	20.8	2271051	2324075	START - 2252365	PD7	WD3	
59-NT6215Z1	T6213Z1, T6215Z1	1/2+	115	HBP	-	-	6,826	-	ART62C1E-IAA, ART62C1E-IAA	59-NT6215Z1	HIGH	CSIR	45.0	2271016	2324074	START - 2252356	PD7	WD3	
59-NT6217Z1	T6217Z1	3/4+	115	HBP	-	-	7,460	AKA4476YXA	ART64C1E-IAA, ART64C1E-IAA	59-NT6217Z1	HIGH	CSIR/CSCR	48.8	1253016	2321114	START - 2252331 RUN - 2253315	PD7	WD4	
59-NT6217Z2	T6217Z2	3/4+	208-230	HBP	-	-	7,579	AKA4476YXD	ART64C1E-IAV, ART64C1E-IAV	59-NT6217Z2	HIGH	CSIR	31.0	2271137	2324103	START - 2252365	PD7	WD3	
59-NT6220Z2	T6220Z2	1	208-230	HBP	-	-	8,351	-	-	59-NT6220Z2	HIGH	CSIR	32.0	2271041	2324085	START - 2252364	PD7	WD3	
59-NT6220Z1	T6220Z1	1	115	HBP	-	-	8,414	-	-	59-NT6220Z1	HIGH	CSIR/CSCR	50.0	1253050	2297024	START - 2252273 RUN - 2253315	PD7	WD4	
59-NJ6220Z1	J6220Z1	1	115	HBP	-	-	10,169	AJA4492YXA	ARJ84C1E-IAA, ARJ84C2E-IAA	59-NJ6220Z1	HIGH	CSIR	72.0	1253017	2297010	START - 2252300	PD6	WD7	
59-NJ6220Z2	J6220Z2	1	208-230	HBP	-	-	10,169	AJA4492YXD	ARJ84C1E-IAV, ARJ84C2E-IAV	59-NJ6220Z2	HIGH	CSIR	42.0	2302003	2289031	START - 2252265	PD6	WD4	
59-NJ6226Z2	-	1 1/4	208-230	HBP	-	-	11,130	AJA4512YXD	ARJ11K1E-CAV, ARJ11K2E-CAV	59-NJ6226Z2	HIGH	CSCR	40.0	1253012	2291053	START - 2252270 RUN - 2253311	PD6	WD4	

Checkpoint Temperatures

	LBP	HBP32	HBP46
Evaporator	-10°F	45°F	45°F
Condenser	130°F	130°F	130°F
Liquid Inlet	90°F	90°F	115°F
Ambient	90°F	90°F	95°F
Suction	90°F	90°F	95°F

