

R12 Compressors

Performance Specifications											Electrical Specifications								
					Capacity BTU/H - ASHRAE			Replacement Guide										Diagrams	
Part #	Old Part #	Nominal HP	Volts	Application	L/MBP	HBP32	HBP46	Tecumseh	Copeland		Part #	Start Torque	Motor Type	LRA	Relay	Overload	Capacitor	Physical	Wiring
30-EMI30ER1	EM30SC, EM30ER, EM30	1/10	115	LBP	350	-	-	AZB1335AXA, AEA1336AXA AEA1332AXA	AFC1-0013-SAA		30-EMI30ER1	NORMAL	RSIR/CSIR	11.4	513504028	513634076	START - 64A125	PD1	WD1
30-EMI45ER1	EM40	1/8	115	LBP	485	-	-	AEA1343AXA, AZB1340AXA	AFD1-0017-SAA		30-EMI45ER1	NORMAL	RSIR	15.0	513504403	13634394	N/A	PD1	WD1
30-EMI55ER1	EM55, EM55NR	1/6	115	LBP	570	-	-	-	-		30-EMI55ER1	NORMAL	RSIR/CSIR	18.7	513504018	13634790	START - 233A125	PD1	WD1
30-EM65NR1	FF6BK (LBP only)	1/5	115	LBP	635	-	-	AEA1360AXA	AFE1-0023-SAA		30-EM65NR1	NORMAL	RSIR/CSIR	21.0	513504187	13634106	START - 216A125	PD1	WD1
30-FFC60BK	FF7.5BK	1/5+	115	L/M/HBP	756	2,790	-	AEA3425AXA	ARE25C3-IAA		30-FFC60BK	NORMAL	RSIR	23.2	513506405	13634653	N/A	PD2	WD2
30-FF8.5BK	FF8.5BKW	1/4	115	L/M/HBP	850	3,060	-	AEA1360AXA	AFF1-0025-SAA		30-FF8.5BK	NORMAL	RSIR/CSIR	33.0	513506783 (RSIR) 513506791 (CSIR)	13554007	START - 513556537	PD2	WD2
30-FF10BK1	FF10BKW	1/4+	115	L/M/HBP	915	3,240	-	AEA1410AXA, AEA3430AXA	AFG2-0026-SAA, JFC1-0025-SAA		30-FF10BK1	NORMAL	RSIR/CSIR	34.0	513506449 (RSIR) 513516241 (CSIR)	13554420	START - 513556533	PD2	WD2
30-FF10BX	-	1/4+	115	L/M/HBP	915	3,200	-	AEA2410AXA, AEA4430AXA	ARE27C3-IAA, AFG2-0026-IAA		30-FF10BX	HIGH	CSIR	32.0	513506455	13554439	START - 513556529	PD2	WD2
30-FF11.5BK1	-	1/3	115	L/M/HBP	1,130	4,000	-	AEA1411AXA	-		30-FF11.5BK1	NORMAL	RSIR/CSIR	40.0	513506260 (RSIR) 513506279 (CSIR)	13554277	START - 513556533	PD2	WD2
30-FF112BKW	-	1/3+	115	L/M/HBP	1,350	4,600	-	AEA1413AXA, AEA3440AXA	AFH2-0033-SAA, JFB1-0033-SAA		30-FF112BKW	NORMAL	RSIR	37.0	513506503	13554277	N/A	PD2	WD2
30-FF112BX	-	1/3+	115	L/M/HBP	1,350	5,000	-	AEA440AXA, AEA448AXA	ARE37C3-IAA, AFH2-0033-IAA, JFB1-0033-IAA		30-FF112BX	HIGH	CSIR	43.0	513506511	513554412	START - 513556535	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



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All Dimensions In Inches

EM/EMI Style

FF/FC/FFI Style

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Physical and Wiring Diagrams On Pages 18-21

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