

REPLACEMENT GUIDE

Convert your current product to an
Embraco Solution



Extended
envelope



Reduced
noise levels



Compact and
efficient



Complete line up
for all refrigerants,
including R-290

REPLACEMENT GUIDE

THE REPLACEMENT IS SEAMLESS

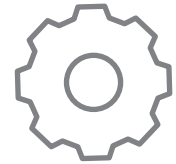
Embraco compressors
replace Tecumseh's in:



Form



Fit

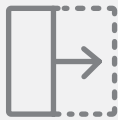


Function



Refrigerant ✓

Embraco offers a **complete line up for all refrigerants**, including replacement solutions for R-12 and R-22 with lower GWP.



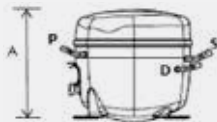
Application ✓

Extended range: Embraco's triple threat FF family fits all applications: low, medium and high back pressure.



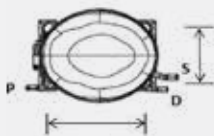
Cooling Capacity ✓

Efficient: Same cooling capacity with lower energy consumption;



Height ✓

Embraco compressors are more **compact**.



Footprint ✓

Embraco compressors have the **perfect mount fit**, with the same or smaller base dimensions.

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PLATFORM COMPARISON

Tecumseh Platform

Embraco Equivalent



AE FAMILY

Refrigerant: R290/R404A/
R134a/R22/R12/R407C
Application: LBP & M/HBP
Disp. [cc]: 4-16cc
Weight: 10 kg / 22 lb
Height: 8.2 in
Base Length: 6.5 in
Base Width: 4 in



EM FAMILY

Refrigerant: R134a/R12/R600a/R290
Application: LBP, L/MBP, M/HBP
& L/M/HBP
Disp. [cc]: 1.7 to 12.21cc
Weight: 5.5 to 8.6kg / 11.7 to 19lb
Height: 6.1 to 6.6 in
Base Length: 6.5 in
Base Width: 3.3 to 4 in



F FAMILY

Refrigerant: R134a/R12/R290
Application: LBP, L/MBP & L/M/HBP
Disp. [cc]: 5.56 to 14.77cc
Weight: 9.43 to 11.89 kg / 20.8 to
26.21 lb
Height: 7.8 to 8.1 in
Base Length: 6.5 in
Base Width: 4 in



NE FAMILY

Refrigerant: R404A/R134a/R290
Application: LBP, MBP & M/HBP
Disp. [cc]: 4.51-18.7cc
Weight: 10.4 to 11.6 kg / 22.9 to 25.6 lb
Height: 7.9 to 8.1 in
Base Length: 6.5 in
Base Width: 4 in



AK FAMILY

Refrigerant: R-404A/R-134a/
R-22/R-407C/R12/R290/R-513a
Application: LBP, MBP, HBP & CBP
Disp. [cc]: 11.6 to 26cc
Weight: 18 kg / 39.7 lb
Height: 10.5 in
Base Length: 8 in
Base Width: 4.8 in



NT FAMILY

Refrigerant: R404A/R134a/R290
Application: LBP, MBP & M/HBP
Disp. [cc]: 12.55 to 33.42cc
Weight: 15.4 to 17.5 kg /
33.9 to 38.5 lb
Height: 8.1 to 9.9 in
Base Length: 8 in
Base Width: 4.8 in



AJ FAMILY

Refrigerant: R290/R404A/
R134a/R22
Application: LBP, MBP, HBP & CBP
Disp. [cc]: 18.2 to 32.7cc
Weight: 20 kg / 44 lb
Height: 12 in
Base Length: 8 in
Base Width: 4.8 in



NJ FAMILY

Refrigerant: R404A/R134a/R290
Application: LBP, MBP & M/HBP
Disp. [cc]: 21.71 to 37.88cc
Weight: 20 to 21.7 kg / 44 to 47.8 lb
Height: 10.4 to 10.9 in
Base Length: 8 in
Base Width: 4.8 in

*Please note that the listed dimensions represent the majority of the products within the platform. There can be exceptions.

**Length and width refer to mount dimensions.

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COMPRESSOR CROSS REFERENCE

Refrigerant	#	Brand	Model	Application	Input Voltage	Displacement (cc)	Motor Type	Performance			Connection Line Position		Dimension (in)
								Test Condition	Capacity (Btu/h)	COP (Btu/h)	Suction	Discharge	Base (L x W)
R-12 to R-134a	1	Tecumseh	AEA2415AAB	LBP	100-115 V 60-50 Hz	16.10	CSIR	ASHRAELBP32	1525	3.58	R	R	6.5 X 4
		Embraco	FF112BX	LBP	115-127 V 60 Hz	11.14	CSIR	ASHRAELBP32	1351	3.96	R	R	6.5 X 4
		Embraco	NE2134Z	LBP	115 V 60 Hz	14.28	CSIR	ASHRAELBP32	1450	4.20	R	R	6.5 X 4
		Embraco	NEK2140Z	LBP	115 V 60 Hz	16.80	CSIR	ASHRAELBP32	1706	3.48	R	R	6.5 X 4
		Embraco*	NEU2140Z	LBP	115-127 V 60 Hz	16.80	CSIR	ASHRAELBP32	1747	4.37	R	R	6.5 X 4
	2	Tecumseh	AEA3430AXA	HBP	100-115 V 60-50 Hz	8.90	RSIR	ASHRAEHP46	3098	6.65	R	R	6.5 X 4
		Embraco	NEK6160Z	M/HBP***	115 V 60 Hz	7.28	CSIR	ASHRAEHP46	2883	8.02	R	R	6.5 X 4
		Embraco	NEK6170Z	M/HBP***	115 V 60 Hz	8.39	CSIR	ASHRAEHP46	3337	7.98	R	R	6.5 X 4
		Embraco	NEU6187Z	M/HBP***	115-127 V 60 Hz	9.99	CSIR	ASHRAEHP46	4132	8.26	R	R	6.5 X 4
	3	Tecumseh	AEA4430AXA	HBP	115 V 60 Hz	8.90	CSIR	ASHRAEHP46	3098	6.65	R	R	6.5 X 4
		Embraco	NEU6160Z	M/HBP***	115 V 60 Hz	7.28	CSIR	ASHRAEHP46	3105	8.80	R	R	6.5 X 4
	4	Tecumseh	AEA4440AXA	HBP	100-115 V 60-50 Hz	12.00	CSIR	ASHRAEHP46	4098	6.55	R	R	6.5 X 4
		Embraco	FF11.5BK	L/M/HBP	115-127 V 60 Hz	11.14	RSIR/CSIR	ASHRAEHP46	3999	6.82	R	R	6.5 X 4
		Embraco	FF110HBX	L/M/HBP	115 V 60 Hz	9.04	CSIR	ASHRAEHP46	4408	9.49	R	R	6.5 X 4
		Embraco	NEK6210Z	M/HBP***	115 V 60 Hz	12.11	CSIR	ASHRAEHP46	4524	7.44	R	R	6.5 X 4
		Embraco	NEU6187Z	M/HBP***	115-127 V 60 Hz	9.99	CSIR	ASHRAEHP46	4132	8.26	R	R	6.5 X 4
		Embraco*	NEU6210Z	M/HBP***	115-127 V 60 Hz	12.11	CSIR	ASHRAEHP46	4866	7.85	R	R	6.5 X 4
	5	Tecumseh	AEA4440AXA	HBP	100-115 V 60-50 Hz	12.00	CSIR	ASHRAEHP46	4098	6.55	R	R	6.5 X 4
		Embraco	FF11.5BK	L/M/HBP	115-127 V 60 Hz	11.14	RSIR/CSIR	ASHRAEHP46	3999	6.82	R	R	6.5 X 4
		Embraco	NEK6210Z	M/HBP***	115 V 60 Hz	12.11	CSIR	ASHRAEHP46	4524	7.44	R	R	6.5 X 4
		Embraco	NEU6187Z	M/HBP***	115-127 V 60 Hz	9.99	CSIR	ASHRAEHP46	4132	8.26	R	R	6.5 X 4
	6	Tecumseh	AHA2445AXD	LBP	200-230 V 60-50 Hz	53.20	CSIR	ASHRAELBP32	4398	3.58	R	L	7.5 X 7.5
		Embraco	NT2192GKV**	LBP	208-230 V 60 Hz	22.37	CSCR	ASHRAELBP32	4306	4.88	R	R	8 X 4.8
	7	Tecumseh	AJA2425AXA	LBP	100-115 V 60-50 Hz	26.10	CSIR	ASHRAELBP32	2201	3.38	L	R	8 X 4.8
		Embraco	NT2152ZV**	LBP	115 V 60 Hz	26.21	CSCR	ASHRAELBP32	2081	3.65	R	R	8 X 4.8
	8	Tecumseh	AJA4461AXA	HBP	100-115 V 60-50 Hz	18.20	CSIR	ASHRAEHP46	6097	6.79	L	R	8 X 4.8
		Embraco	NT6215Z**	M/HBP***	115 V 60 Hz	17.39	CSIR	ASHRAEHP46	6626	8.19	R	R	8 X 4.8
	9	Tecumseh	AJA4492AXA	HBP	100-115 V 60-50 Hz	25.90	CSIR	ASHRAEHP46	9148	7.51	L	R	8 X 4.8
		Embraco	NJ6220Z	M/HBP***	115 V 60 Hz	26.11	CSIR	ASHRAEHP46	10168	8.15	L	R	8 X 4.8
		Embraco	NT6220Z**	M/HBP***	115 V 60 Hz	22.37	CSCR	ARIHBP	7537	7.44	R	R	8 X 4.8
	10	Tecumseh	AJA4492AXD	HBP	200-230 V 60-50 Hz	25.90	CSIR	ASHRAEHP46	9148	7.51	L	R	8 X 4.8
		Embraco	NJ6220Z	M/HBP***	115 V 60 Hz	26.11	CSIR	ASHRAEHP46	10168	8.15	L	R	8 X 4.8
		Embraco	NT6220Z**	M/HBP***	115 V 60 Hz	22.37	CSCR	ARIHBP	7537	7.44	R	R	8 X 4.8
	11	Tecumseh	AJA7441AXA	MPB	100-115 V 60-50 Hz	22.60	CSIR	ASHRAEMP46	4398	5.19	L	R	8 X 4.8
		Embraco	NT6217Z**	M/HBP***	115 V 60 Hz	20.44	CSIR	ASHRAEMP46	4275	5.70	R	R	8 X 4.8
	12	Tecumseh	AJA7465AXA	M/HBP	100-115 V 60-50 Hz	32.70	CSR	ASHRAEMP46	6647	5.80	L	R	8 X 4.8
		Embraco	NTU6224ZV	M/HBP***	208-230 V 60 Hz	27.80	CSCR	ARIMBP	6889	6.82	L	R	8 X 4.8
	13	Tecumseh	AJB7465AXD	MPB	200-230 V 60-50 Hz	32.70	CSIR	ASHRAEMP46	6647	5.87	L	R	8 X 4.8
		Embraco	NTU6224ZV	M/HBP***	208-230 V 60 Hz	27.80	CSCR	ARIMBP	6889	6.82	L	R	8 X 4.8
	14	Tecumseh	AKA9434AXA	CBP	100-115 V 60-50 Hz	18.60	CSIR	ASHRAEMP46	3351	4.95	R	R	8 X 4.8
		Embraco	NT6215Z	M/HBP***	115 V 60 Hz	17.39	CSIR	ASHRAEMP46	3701	5.93	R	R	8 X 4.8
	15	Tecumseh	AKA9441AXA	CBP	100-115 V 60-50 Hz	22.60	CSIR	ASHRAEMP46	4098	5.12	R	R	8 X 4.8
Embraco		NT6215Z	M/HBP***	115 V 60 Hz	17.39	CSIR	ASHRAEMP46	3701	5.93	R	R	8 X 4.8	
Embraco		NT6217Z	M/HBP***	115 V 60 Hz	20.44	CSIR	ASHRAEMP46	4275	5.70	R	R	8 X 4.8	

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COMPRESSOR CROSS REFERENCE

Refrigerant	#	Brand	Model	Application	Input Voltage	Displacement (cc)	Motor Type	Performance			Connection Line Position		Dimension (in)
								Test Condition	Capacity (Btu/h)	COP (Btu/h)	Suction	Discharge	Base (L x W)
R404A	1	Tecumseh	AEA2411ZXA	LBP	115 V 60-50 Hz	8.10	CSIR	ARILBP	1099	2.70	R	R	6.5 X 4
		Embraco	NEK2125GK	LBP	115 V 60 Hz	6.20	CSIR	ARILBP	904	3.28	R	R	8 X 4.8
	2	Tecumseh	AE4425Z-FZ1A	M/HBP	200-240 V 60-50 Hz	4.20	CSIR	ASHRAEHBP46	2303	7.68	R	R	6.5 X 4
		Embraco	NEK6144GK	M/HBP	220-240 V 50 Hz	4.51	CSIR	ASHRAEHBP46	2730	7.03	R	R	6.5 X 4
	3	Tecumseh	AE4425Z-XN1A	M/HBP	200-220 V 60-50 Hz	4.20	CSIR	ASHRAEHBP46	2351	7.57	R	R	6.5 X 4
		Embraco	NEK6144GK	M/HBP	220-240 V 50 Hz	4.51	CSIR	ASHRAEHBP46	2730	7.03	R	R	6.5 X 4
	4	Tecumseh	AEA2380ZXA	LBP	115 V 60-50 Hz	6.60	CSIR	ARILBP	751	2.49	R	R	6.5 X 4
		Embraco	NEK2121GK	LBP	115 V 60 Hz	5.44	CSIR	ASHRAELBP32	1211	4.23	R	R	6.5 X 4
	5	Tecumseh	AEA9415ZXA	M/HBP	115 V 60-50 Hz	5.70	CSIR	ARIMBP	1491	3.86	R	R	6.5 X 4
		Embraco	NEK6152GK	M/HBP	115 V 60 Hz	5.44	CSIR	ARIMBP	1641	4.16	R	R	6.5 X 4
	6	Tecumseh	AEA9422ZXA	M/HBP	115 V 60-50 Hz	7.60	CSIR	ARIMBP	2249	4.13	R	R	6.5 X 4
		Embraco	NEK6181GK	M/HBP	115 V 60 Hz	7.28	CSIR	ASHRAEMB46	2221	5.29	R	R	6.5 X 4
		Embraco*	NEU6210GK	M/HBP	115-127 V 60 Hz	7.28	CSIR	ARIMBP	2344	4.81	R	R	6.5 X 4
	7	Tecumseh	AJA2425ZXA	LBP	115 V 60-50 Hz	22.60	CSR	ARILBP	2450	3.24	L	R	8 X 4.8
		Embraco	NT2168GKV**	LBP	115-127 V 60 Hz	14.50	CSCR	ARILBP	2088	3.51	R	R	8 X 4.8
		Embraco*	NEU2178GK	LBP	115-127 V 60 Hz	16.80	CSCR	ARILBP	2586	3.41	L	R	6.5 X 4
	8	Tecumseh	AJA7455ZXA	M/HBP	115 V 60-50 Hz	20.40	CSR	ARIMBP	5500	4.95	L	R	8 X 4.8
		Embraco	NT6222GKV**	M/HBP	208-230 V 60 Hz	17.39	CSIR	ASHRAEMB46	6135	5.29	R	R	8 X 4.8
		Embraco*	NTX6222GKV	M/HBP	208-230 V 60 Hz	15.54	CSCR	ARIMBP	5196	5.94	L	R	8 X 4.8
	9	Tecumseh	AKA9451ZXA	M/HBP	115 V 60-50 Hz	19.00	CSR	ARIMBP	5149	4.78	R	R	8 X 4.8
		Embraco	NT6222GKV	M/HBP	208-230 V 60 Hz	17.39	CSIR	ASHRAEMB46	6135	5.29	R	R	8 X 4.8
		Embraco*	NTX6222GKV**	M/HBP	208-230 V 60 Hz	15.54	CSCR	ARIMBP	5196	5.94	L	R	8 X 4.8
	10	Tecumseh	AKA9455ZXA	M/HBP	115 V 60-50 Hz	20.00	CSR	ARIMBP	5449	4.71	R	R	8 X 4.8
		Embraco	NT6222GKV	M/HBP	208-230 V 60 Hz	17.39	CSIR	ASHRAEMB46	6135	5.29	R	R	8 X 4.8
		Embraco*	NTX6222GKV**	M/HBP	208-230 V 60 Hz	15.54	CSCR	ARIMBP	5196	5.94	L	R	8 X 4.8
	11	Tecumseh	AKA9462ZXA	M/HBP	220 V 50 Hz	22.30	CSR	ARIMBP	5200	4.78	R	R	8 X 4.8
		Embraco	NT6224GKV	M/HBP	208-230 V 60 Hz	20.44	CSCR	ASHRAEMB46	7290	5.96	R	R	8 X 4.8
	12	Tecumseh	AKA9462ZXD	M/HBP	230 V 60-50 Hz	22.30	CSR	ARIMBP	6247	4.61	R	R	8 X 4.8
Embraco		NT6224GKV	M/HBP	208-230 V 60 Hz	20.44	CSCR	ASHRAEMB46	7290	5.96	R	R	8 X 4.8	
13	Tecumseh	CAE2420Z	LBP	240-220 V 50 Hz	12.60	CSIR	ASHRAELBP32	1866	3.82	R	R	6.5 X 4	
	Embraco	NEK2150GK	LBP	220-240 V 50 Hz	12.11	CSIR	ASHRAELBP32	2064	4.23	R	R	6.5 X 4	
	Embraco*	NEU2155GK	LBP	208-230 V 60 Hz	12.11	CSIR	ASHRAELBP32	2631	4.40	R	R	6.5 X 4	

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								Test Condition	Capacity (Btu/h)	COP (Btu/h)	Suction	Discharge	Base (L x W)
R-22 to R-404A	1	Tecumseh	AEA9422EXA	CBP	100-115 V 60-50 Hz	7.60	CSIR	ASHRAEMB46	2201	4.64	R	R	6.5 X 4
		Embraco	NEK6181GK	M/HBP	115 V 60 Hz	7.28	CSIR	ASHRAEMB46	2221	5.29	R	R	6.5 X 4
		Embraco*	NEU6181GK	M/HBP	115-127 V 60 Hz	6.20	CSIR	ARIMBP	2047	4.74	R	R	6.5 X 4
	2	Tecumseh	AJA9484EXD	CBP	200-230 V 60-50 Hz	26.10	CSR	ASHRAECBP46	8397	5.94	L	R	8 X 4.8
		Embraco	NTU6232GKV	M/HBP	208-230 V 60 Hz	20.44	CSCR	ARIMBP	7056	5.83	L	R	8 X 4.8
	3	Tecumseh	AKA5512EXD	HBP/AC	200-230 V 60-50 Hz	22.60	PSC	ASHRAEHBP46	11997	8.50	R	R	8 X 4.8
		Embraco	NT6224GKV	M/HBP	208-230 V 60 Hz	20.44	CSCR	ASHRAEHBP46	11983	7.68	R	R	8 X 4.8
	4	Tecumseh	AKA9428EXA	CBP	100-115 V 60-50 Hz	11.60	CSIR	ASHRAEMB46	2798	5.02	R	R	8 X 4.8
		Embraco	NEK6181GK	M/HBP	115 V 60 Hz	7.28	CSIR	ASHRAEMB46	2221	5.29	R	R	6.5 X 4
		Embraco	NEU6215GK**	M/HBP	115-127 V 60 Hz	12.11	CSIR	ASHRAEMB46	4751	5.36	L	R	6.5 X 4
	5	Tecumseh	AKA9442EXA	CBP	100-115 V 60-50 Hz	15.60	CSIR	ASHRAEMB46	4149	5.63	R	R	8 X 4.8
		Embraco	NT6217GKV	M/HBP	115 V 60 Hz	12.55	CSIR	ASHRAEMB46	7380	7.51	R	R	8 X 4.8
		Embraco*	NTX6220GKV**	M/HBP	115-127 V 60 Hz	13.44	CSCR	ARIMBP	4596	5.80	L	R	8 X 4.8
	6	Tecumseh	AKA9455EXD	CBP	200-230 V 60-50 Hz	18.60	CSR	ASHRAEMB46	5500	5.56	R	R	8 X 4.8
		Embraco	NT6220GKV	M/HBP	208-230 V 60 Hz	14.50	CSIR	ASHRAEMB46	5067	5.36	R	R	8 X 4.8
		Embraco*	NTX6222GKV**	M/HBP	208-230 V 60 Hz	15.54	CSCR	ARIMBP	5196	5.94	L	R	8 X 4.8
	7	Tecumseh	AKA9462EXD	CBP	200-230 V 60-50 Hz	20.40	CSR	ASHRAEMB46	6200	5.63	R	R	8 X 4.8
		Embraco	NT6222GKV	M/HBP	208-230 V 60 Hz	17.39	CSIR	ASHRAEMB46	6135	5.29	R	R	8 X 4.8
		Embraco*	NTX6222GKV**	M/HBP	208-230 V 60 Hz	15.54	CSCR	ARIMBP	5196	5.94	L	R	8 X 4.8

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Refrigerant	#	Brand	Model	Application	Input Voltage	Displacement (cc)	Motor Type	Performance			Connection Line Position		Dimension (in)
								Test Condition	Capacity (Btu/h)	COP (Btu/h)	Suction	Discharge	Base (L x W)
R290	1	Tecumseh	AE2413U-AA1A	LBP	115 V 60 Hz	7.30	CSIR	ASHRAELBP32	1300	4.61	R	R	6.5 X 4
		Embraco	FFU160UAX	L/MBP	115-127 V 60 Hz	7.95	CSIR	ASHRAELBP32	1668	5.25	R	R	6.5 X 4
	2	Tecumseh	AE2420U-AA1A	LBP	115 V 60 Hz	11.00	CSIR	ASHRAELBP32	1999	4.64	R	R	6.5 X 4
		Embraco	NEU2140U	LBP	115-127 V 60 Hz	9.99	CSIR	ASHRAELBP32	1965	5.02	R	R	6.5 X 4
	3	Tecumseh	AE4430U-AA1A	M/HBP	115 V 60 Hz	6.10	CSIR	ASHRAEHBP46	3299	8.77	R	R	6.5 X 4
		Embraco	NEK6165U	M/HBP	115 V 60 Hz	6.20	CSIR	ASHRAEHBP46	3385	8.19	R	R	6.5 X 4
		Embraco	FFU130UAX	L/MBP	115-127 V 60 Hz	6.76	CSIR	ASHRAELBP32	1361	5.15	R	R	6.5 X 4
	4	Tecumseh	AE4435U-AA1A	M/HBP	115 V 50 Hz	6.90	CSIR	ASHRAEHBP46	3900	8.97	R	R	6.5 X 4
		Embraco	NEU6181U	M/HBP	115-127 V 60 Hz	7.28	CSIR	ASHRAEHBP46	4081	9.21	R	R	6.5 X 4
		Embraco	FFU130UAX	L/MBP	115-127 V 60 Hz	6.76	CSIR	ASHRAELBP32	1361	5.15	R	R	6.5 X 4
	5	Tecumseh	AE4440U-AA1A	M/HBP	115 V 60 Hz	8.00	CSIR	ASHRAEHBP46	4500	9.08	R	R	6.5 X 4
		Embraco	NEK6210U	M/HBP	115 V 60 Hz	8.77	CSIR	ASHRAEHBP46	4671	8.46	R	R	6.5 X 4
		Embraco	FFU160UAX	L/MBP	115-127 V 60 Hz	7.95	CSIR	ASHRAELBP32	1668	5.25	R	R	6.5 X 4
	6	Tecumseh	AE4460U-AA1C	M/HBP	115 V 60 Hz	12.00	CSIR	ASHRAEHBP46	6899	8.77	R	R	6.5 X 4
		Embraco	NEU6214U	M/HBP	115 V 60 Hz	12.11	CSCR	ASHRAEHBP46	6896	9.14	R	R	6.5 X 4
	7	Tecumseh	AEX415U-DS1B	L/MBP	115-127 V 60 Hz	7.30	CSIR	ASHRAELBP32	1419	4.98	R	R	6.5 X 4
		Embraco	FFU130UAX	L/MBP	115-127 V 60 Hz	6.76	CSIR	ASHRAELBP32	1361	5.15	R	R	6.5 X 4
	8	Tecumseh	AEX417U-DS1B	L/MBP	115-127 V 60 Hz	8.00	CSIR	ASHRAELBP32	1280	4.16	R	R	6.5 X 4
		Embraco	FFU160UAX	L/MBP	115-127 V 60 Hz	7.95	CSIR	ASHRAELBP32	1668	5.25	R	R	6.5 X 4
	9	Tecumseh	AEX419U-DS1B	L/MBP	115-127 V 60 Hz	9.40	CSIR	ASHRAELBP32	1771	4.85	R	R	6.5 X 4
		Embraco	FFU160UAX	L/MBP	115-127 V 60 Hz	7.95	CSIR	ASHRAELBP32	1668	5.25	R	R	6.5 X 4
	10	Tecumseh	AEX424U-DS3C	L/MBP	115-127 V 60 Hz	12.00	CSR	ASHRAELBP32	2399	5.29	R	R	6.5 X 4
		Embraco	NEU2155U	LBP	115-127 V 60 Hz	13.54	CSIR	ASHRAELBP32	2586	4.91	R	R	6.5 X 4
		Embraco*	NEX4160UA	L/MBP	115-127 V 60 Hz	14.28	CSCR	ARILBP	2272	4.64	R	R	6.5 X 4
	11	Tecumseh	AEX428U-DS3C	L/MBP	115-127 V 60 Hz	13.20	CSR	ASHRAELBP32	2549	5.22	R	R	6.5 X 4
		Embraco	NEU2155U	LBP	115-127 V 60 Hz	13.54	CSIR	ASHRAELBP32	2586	4.91	R	R	6.5 X 4
		Embraco*	NEX4160UA	L/MBP	115-127 V 60 Hz	14.28	CSCR	ARILBP	2272	4.64	R	R	6.5 X 4
	12	Tecumseh	AEX433U-DS3C	L/MBP	127 V 60 Hz	15.10	CSR	ASHRAELBP32	2945	5.15	R	R	6.5 X 4
		Embraco	NEU2168U	LBP	115-127 V 60	16.80	CSCR	ASHRAELBP32	3241	5.15	R	R	6.5 X 4
		Embraco*	NEX4170UA	L/MBP	115-127 V 60	16.80	CSCR	ARILBP	2692	4.57	R	R	6.5 X 4
	13	Tecumseh	AK2424U-XA3B	LBP	115 V 60 Hz	17.50	CSR	ASHRAELBP32	2498	4.71	R	R	8 X 4.8
		Embraco	NEU2155U	LBP	115-127 V 60 Hz	13.54	CSIR	ASHRAELBP32	2586	4.91	R	R	6.5 X 4
		Embraco*	NEX4160UA	L/MBP	115-127 V 60 Hz	14.28	CSCR	ARILBP	2272	4.64	R	R	6.5 X 4
	14	Tecumseh	AK2431U-XA3B	LBP	115 V 60 Hz	20.40	CSR	ASHRAELBP32	3357	4.98	R	R	8 X 4.8
		Embraco*	NEU2168U	LBP	115-127 V 60	16.80	CSCR	ASHRAELBP32	3241	5.15	R	R	6.5 X 4
	15	Embraco*	NEX4160UA	L/MBP	115-127 V 60 Hz	14.28	CSCR	ARILBP	2272	4.64	R	R	6.5 X 4
		Tecumseh	TC1410U-DS7C	LBP	115-127 V 60 Hz	6.10	PTCS_CR	ASHRAELBP32	1099	5.77	R	R	6.5 X 4
		Embraco	EM190UEX**	L/MBP	115-127 V 60 Hz	4.99	CSIR	ASHRAELBP32	945	4.67	L	R	6.5 X 4
	16	Tecumseh	TC1413U-DS7C	LBP	115-127 V 60 Hz	6.90	PTCC_SR	ASHRAELBP32	1331	5.77	R	R	6.5 X 4
		Embraco	FFU130UAX	L/MBP	115-127 V 60 Hz	6.76	CSIR	ASHRAELBP32	1361	5.15	R	R	6.5 X 4
	17	Tecumseh	TCW350U-DS6B	L/MBP	115-127 V 60 Hz	2.70	CSIR	ASHRAELBP32	348	4.91	R	R	6.5 X 4
		Embraco	EM190UEX**	L/MBP	115-127 V 60 Hz	3.00	RSCR	ASHRAELBP32	522	4.50	L	R	6.5 X 4
		Embraco	EM2U3111U**	L/MBP	115-127 V 60 Hz	3.00	RSCR	ASHRAELBP32	566	5.60	L	R	6.5 X 4
	18	Tecumseh	TCW360U-LS6A	L/MBP	115 V 60 Hz	3.10	CSIR	ASHRAELBP32	601	4.78	R	R	6.5 X 4
		Embraco	EM2U3111U**	L/MBP	115-127 V 60 Hz	3.00	RSCR	ASHRAELBP32	566	5.60	L	R	6.5 X 4
		Embraco	EM2U3111U**	L/MBP	115-127 V 60 Hz	3.00	RSCR	ASHRAELBP32	566	5.60	L	R	6.5 X 4
	19	Tecumseh	TCW380U-DS6B	L/MBP	115-127 V 60 Hz	4.20	CSIR	ASHRAELBP32	798	5.22	R	R	6.5 X 4
		Embraco	EMX3115U**	L/MBP	115-127 V 60 Hz	3.97	RSCR	ASHRAELBP32	757	5.94	L	R	6.5 X 4
20	Tecumseh	TCW390U-DS6B	L/MBP	115-127 V 60 Hz	4.80	CSIR	ASHRAELBP32	870	5.29	R	R	6.5 X 4	
	Embraco	EM190UEX**	L/MBP	115-127 V 60 Hz	4.99	CSIR	ASHRAELBP32	945	4.67	L	R	6.5 X 4	
21	Tecumseh	TCW390U-LS6B	L/MBP	115 V 60 Hz	4.80	CSIR	ASHRAELBP32	870	5.29	R	R	6.5 X 4	
	Embraco	EM190UEX**	L/MBP	115-127 V 60 Hz	4.99	CSIR	ASHRAELBP32	945	4.67	L	R	6.5 X 4	
22	Tecumseh	TCW410U-DS6B	L/MBP	115-127 V 60 Hz	6.10	CSIR	ASHRAELBP32	1150	5.12	R	R	6.5 X 4	
	Embraco	FFU130UAX	L/MBP	115-127 V 60 Hz	6.76	CSIR	ASHRAELBP32	1361	5.15	R	R	6.5 X 4	
23	Tecumseh	TCW413U-DS1B	L/MBP	115 V 60 Hz	6.90	CSIR	ASHRAELBP32	1300	5.22	R	R	6.5 X 4	
	Embraco	FFU160UAX	L/MBP	115-127 V 60 Hz	7.95	CSIR	ASHRAELBP32	1668	5.25	R	R	6.5 X 4	
24	Tecumseh	TCW415U-DS1B	L/MBP	115 V 60 Hz	7.80	CSIR	ASHRAELBP32	1600	5.22	R	R	6.5 X 4	
	Embraco	FFU160UAX	L/MBP	115-127 V 60 Hz	7.95	CSIR	ASHRAELBP32	1668	5.25	R	R	6.5 X 4	
25	Tecumseh	THA2395UDS	LBP	115-127 V 60 Hz	5.60	CSIR	ASHRAELBP32	1071	5.02	L	R	6.5 X 4	
	Embraco	EM190UEX**	L/MBP	115-127 V 60 Hz	4.99	CSIR	ASHRAELBP32	945	4.67	L	R	6.5 X 4	
26	Tecumseh	THA9416UAA	M/HBP	115 V 60 Hz	5.00	CSIR	ASHRAEMB46	1641	5.73	L	R	6.5 X 4	
	Embraco	EMX3115U**	L/MBP	115-127 V 60 Hz	3.97	RSCR	ASHRAEMB46	1552	8.53	L	R	6.5 X 4	
27	Tecumseh	TPA2414UDS	LBP	115-127 V 60 Hz	7.30	CSIR	ASHRAELBP32	1539	4.95	R	R	6.5 X 4	
	Embraco	FFU160UAX	L/MBP	115-127 V 60 Hz	7.95	CSIR	ASHRAELBP32	1668	5.25	R	R	6.5 X 4	
28	Tecumseh	TPA9423UAA	M/HBP	115 V 60 Hz	6.50	CSIR	ASHRAEMB46	2341	6.52	R	R	6.5 X 4	
	Embraco	FFU130UAX	L/MBP	115-127 V 60 Hz	6.76	CSIR	ASHRAEMB46	2754	7.90	R	R	6.5 X 4	

Note: Cross reference comparisons do not imply that all products compared are exact in reference to form, fit and function. Review specifications carefully prior to purchase.

In some applications start capacitor usage is mandatory.

* Model available only for OEMs

** Re-piping required

*** Application range limited from 5°F to 50°F (-15°C to 10°C)

Date: Dec 2020

	Checkpoint Temperature (°F)						
	ASHRAE				ARI		
	LBP32	MBP46	HBP32	HBP46	LBP	MBP	HBP
Evap. :	-10	20	45	45	-10	20	45
Cond. :	130	130	130	130	120	120	130
Liq. :	90	115	90	115	120	120	130
Amb. :	90	95	90	95	95	95	95
Suct. :	90	95	90	95	40	40	65

REPLACEMENT GUIDE



CONDENSING UNIT CROSS REFERENCE

Embraco's **new generation of condensing units** are even easier to service and sturdier. Available in 3 feature packages, the units come with components commonly found in the aftermarket and standard electrical connections.

HIGH QUALITY AND STURDINESS

Anti-corrosion painting on coils

Condenser coil protection and end cover

Designed for 110° F ambient temperature

Factory charged nitrogen holding

EASE OF SERVICE

Wiring follows National Electrical Code (NEC)

Standard electrical connections

All units are compliant with UL requirements

Components commonly found in the replacement market



Bare:

Suction and liquid valves, fan guard, end cover, power cord



Plus:

Bare + Liquid receiver, sight glass and filter drier



Ultimate & Ultimate Compact:
Plus+ Pressure switch, terminal block and electrical box

REPLACEMENT GUIDE



CONDENSING UNIT CROSS REFERENCE

STANDARD UNITS

Refrigerant	#	HP	Brand	Refrigerant	Condensing Unit Model	Configuration	Input Voltage	Application	Compressor Model	Displac. (cm ³)	Connection Line Position		Dimension (in)		
											Disch. Line Sine (in)	Suc. Line Sine (in)	Lenght	Width	Height
R134a R513A	1	1/2	Tecumseh	R134a R513A	AE5540Y-AA1A**	DS DC	115/60/1	HBP	AE4450Y-AA1A	13.24	3/8"	1/2"	16.0	14.3	11.1
		1/3	Embraco	R134a R513A	UFF0033XZE UFF0033XZD	Bare Plus	115-127/60/1 208-230/60/1	LMBP	FFU160HAX	12.92	3/8"	1/4"	18.6	15.1	12.0
	2	1/2	Tecumseh	R134a R513A	AKA4457Y-****	DS DC	115/60/1 230/60/1	HBP	AKA4460YXA AKA4460YXD	18.60	3/8"	5/8"	15.0	14.0	11.5
		1/2	Embraco	R134a R513A	UNE0050MZE UNE0050MZD	Bare* Plus	115-127/60/1 208-230/60/1	MBP/HBP	NEU6214Z	16.80	1/2"	3/8"	21.7	14.8	11.9
	3	3/4	Tecumseh	R134a R513A	AJA4480Y****	DS DC	115/60/1 230/60/1	HBP	AJA4492YXA AJA4492YXD	25.95	3/8"	5/8"	20.0	14.3	12.1
		3/5	Embraco	R134a R513A	UNT0060MZG UNT0060MZD	Bare* Plus	115/60/1 208-230/60/1	MBP/HBP	NT6220Z	22.37	1/2"	3/8"	21.7	14.8	11.8

* Under Request

** Data for R-134a

Refrigerant	#	HP	Brand	Refrigerant	Condensing Unit Model	Configuration	Input Voltage	Application	Compressor Model	Displac. (cm ³)	Connection Line Position		Dimension (in)		
											Disch. Line Sine (in)	Suc. Line Sine (in)	Lenght	Width	Height
R12 to R134a R513A	1	1/2	Tecumseh	R12	AJA7444A****	DS DC	115/60/1 230/60/1	MBP/HBP	AJA7441AXA AJA7441AXD	22.63	3/8"	5/8"	15.0	14.0	11.1
		1/2	Embraco	R134a R513A	UNE0050MZE UNE0050MZD	Bare* Plus	115-127/60/1 208-230/60/1	MBP/HBP	NEU6214Z	16.80	1/2"	3/8"	21.7	14.8	11.9
	2	3/4	Tecumseh	R12	AJA4488A****	DS DC	115/60/1 230/60/1	HBP	AJA4492AXA AJA4492AXD	25.92	3/8"	5/8"	20.0	14.3	12.1
		3/5	Embraco	R134a R513A	UNT0060MZG UNT0060MZD	Bare* Plus	115/60/1 208-230/60/1	MBP/HBP	NT6220Z	22.37	1/2"	3/8"	21.7	14.8	11.8
	3	1	Tecumseh	R12	AJA4512ANA	DS DC	230/60/1	HBP	AJA4512AXD	34.36	3/8"	5/8"	24.0	17.6	13.4
		1	Embraco	R134a R513A	UNT0100MZD UNT0100MZG	Bare* Plus	208-230/60/1 115/60/1	MBP/HBP	NTU6224ZV	27.80	5/8"	2/5"	24.0	18.4	16.9

* Under Request

** Embraco's data for R-134a

REPLACEMENT GUIDE

Refrigerant	#	HP	Brand	Refrigerant	Condensing Unit Model	Configuration	Input Voltage	Application	Compressor Model	Displac. (cm ³)	Connection Line Position		Dimension (in)		
											Disch. Line Sine (in)	Suc. Line Sine (in)	Length	Width	Height
R404A R448A R449A	1	1/3	Tecumseh	R404A R407A R448A R449A R452A	AKA9430ZAA*	DS DC	115/60/1	CBP	AKA9427ZXA	11.64	3/8"	1/2"	15.0	14.0	11.5
		2/5	Embraco	R404A R448A R449A	UNE0040MGE	Bare Plus*	115-127/60/1	MBP/HBP	NEU6212GK	8.77	3/8"	1/4"	21.7	14.8	11.9
	2	1/2	Tecumseh	R404A R407A R448A R449A R452A	AE4470Z-AA3C*	DS DC	115/60/1	HBP	AE4470Z-AA3C	12.01	3/8"	1/2"	20.0	14.3	12.1
		3/5	Embraco	R404A R448A R449A	UNE0060MGE UNE0060MGD	Bare* Plus	115-127/60/1 208-230/60/1	MBP/HBP	NEU6215GK	12.11	1/2"	3/8"	21.7	14.8	11.8
	3	1/2	Tecumseh	R404A R407A R448A R449A R452A	AKA9442Z****	DS DC	115/60/1 230/60/1	CBP	AKA9438ZXA AKA9438ZXD	15.63	3/8"	5/8"	20.0	14.3	12.1
		3/5	Embraco	R404A R448A R449A	UNE0060MGE UNE0060MGD	Bare* Plus	115-127/60/1 208-230/60/1	MBP/HBP	NEU6215GK	12.11	1/2"	3/8"	21.7	14.8	11.8
	4	3/4	Tecumseh	R404A R407A R448A R449A R452A	AKA9463Z****	DS DC	115/60/1 230/60/1	CBP	AKA9462ZXA AKA9462ZXD	22.56	3/8"	5/8"	24.0	17.5	13.4
		3/4	Embraco	R404A R448A R449A	UNT0075MGG UNT0075MGD	Bare* Plus	115/60/1 208-230/60/1	MBP/HBP	NT6222GKV	17.39	1/2"	3/8"	21.7	14.8	12.8
	5	1/2	Tecumseh	R404A R407A R448A R449A R452A	AJA2423ZAA**	DS DC	115/60/1	LBP	AJA2419ZXA	15.21	3/8"	5/8"	15.0	14.0	11.1
		3/5	Embraco	R404A R448A R449A	UNE0060LGE UNE0060LGD	Bare* Plus	115-127/60/1 208-230/60/1	LBP	NEU2168GK	14.28	1/2"	3/8"	21.7	14.8	11.8
	6	3/4	Tecumseh	R404A R407A R448A R449A R452A	AKA2430ZAA*	DS DC	115/60/1	LBP	AKA2425ZXA	18.58	3/8"	5/8"	20.0	14.3	12.1
		3/4	Embraco	R404A R448A R449A	UNE0075LGE UNE0075LGD	Bare* Plus	115-127/60/1 208-230/60/1	LBP	NEU2178GK	16.80	1/2"	3/8"	21.7	14.8	11.8
	7	1	Tecumseh	R404A R407A R448A R449A R452A	AJB2439AA**	DS DC	115/60/1	LBP	AJB2433ZXA	26.12	3/8"	5/8"	20.0	14.3	12.1
		1	Embraco	R404A R448A R449A	UNT0100LGG UNT0100LGD	Bare* Plus	115/60/1 208-230/60/1	LBP	NT2192GK	22.37	1/2"	2/5"	21.7	14.8	12.8

* Under Request

** Data for R-404A

Refrigerant	#	HP	Brand	Refrigerant	Condensing Unit Model	Configuration	Input Voltage	Application	Compressor Model	Displac. (cm ³)	Connection Line Position		Dimension (in)		
											Disch. Line Sine (in)	Suc. Line Sine (in)	Length	Width	Height
R22 to R404A R448A R449A	1	1/3	Tecumseh	R22	AKA9435E****	DS DC	115/60/1 230/60/1	CBP	AKA9428EXA AKA9428EXD	11.63	3/8"	1/2"	15.0	14.0	11.5
		2/5	Embraco	R404A R448A R449A	UNE0040MGE	Bare Plus*	115-127/60/1	MBP/HBP	NEU6212GK	8.77	3/8"	1/4"	21.7	14.8	11.9
	2	1/2	Tecumseh	R22	AKA9446****	DS DC	115/60/1 230/60/1	CBP	AKA9442EXA AKA9442EXD	15.63	3/8"	5/8"	20.0	14.3	12.1
		3/5	Embraco	R404A R448A R449A	UNE0060MGE UNE0060MGD	Bare* Plus	115-127/60/1 208-230/60/1	MBP/HBP	NEU6215GK	12.11	1/2"	3/8"	21.7	14.8	11.8
	3	3/4	Tecumseh	R22	AKA9461ENA**	DS DC	230/60//1	CBP	AKA9455EXD	18.58	3/8"	5/8"	24.0	17.5	13.4
		3/4	Embraco	R404A R448A R449A	UNT0075MGD UNT0075MGG	Bare* Plus	208-230/60/1 115/60/1	MBP/HBP	NT6222GKV	17.39	1/2"	3/8"	21.7	14.8	12.8

* Under Request

** Embraco's data for R-404A

Tecumseh Configuration				Embraco Configuration			
DS	Sweat connections and service valves			BARE	Liquid and suction valves, fan guard, end cover		
DC	Sweat connections, service valves and receiver tank			PLUS	Liquid and suction valves, fan guard, end cover, receiver, sight glass, filter drier		

REPLACEMENT GUIDE



CONDENSING UNIT CROSS REFERENCE

LOW PROFILE UNITS

Refrigerant	#	HP	Brand	Refrigerant	Condensing Unit Model	Configuration	Input Voltage	Application	Compressor Model	Displac. (cm³)	Connection Line Position		Dimension (in)		
											Disch. Line Size (in)	Suc. Line Size (in)	Length	Width	Height
R134a R513A	1	1/8	Tecumseh	R134a R513A	THB0410YXA**	SC	115/60/1	CBP	THA0410YXA	5.00	1/4"	3/8"	16.0	11.5	8.9
		1/10	Embraco	R134a R513A	UFF0010XZE	Bare Plus	115-127/60/1	L/MBP	FFU80HAX	6.76	3/8"	1/4"	18.8	11.4	10.0
	2	1/5	Tecumseh	R134a R513A	AE3425Y-AA1A**	SS SC	115/60/1	HBP	AE3425Y-AA1A	6.69	1/4"	3/8"	16.0	11.5	8.9
		1/10	Embraco	R134a R513A	UFF0010XZE	Bare Plus	115-127/60/1	L/MBP	FFU80HAX	6.76	3/8"	1/4"	18.8	11.4	10.0
	3	1/5	Tecumseh	R404A R407A R448A R449A R452A	AE4425Z-AA1A**	SS SC	115/60/1	M/HBP	AE4425Z-AA1A	4.24	1/4"	3/8"	16.0	11.5	8.9
		1/5	Embraco	R134a R513A	UFF0020XZG	Bare Plus	115/60/1	L/MBP	FF10HBX	9.04	3/8"	1/4"	18.8	11.4	10.0
	4	1/4	Tecumseh	R134a R513A	AE4430Y-AA1A**	SS SC	115/60/1	HBP	AE4430Y-AA1A	8.02	1/4"	3/8"	16.0	11.5	8.9
		1/5	Embraco	R134a R513A	UFF0020XZG	Bare Plus	115/60/1	L/MBP	FF10HBX	9.04	3/8"	1/4"	18.8	11.4	10.0
	5	1/4	Tecumseh	R404A R407A R448A R449A R452A	AE2410Z-AA1A**	SS SC	115/60/1	LBP	AE2410Z-AA1A	5.02	1/4"	3/8"	16.0	11.5	8.9
		1/5	Embraco	R134a R513A	UFF0020XZG	Bare Plus	115/60/1	L/MBP	FF10HBX	9.04	3/8"	1/4"	18.8	11.4	10.0
	6	1/4	Tecumseh	R134a R513A	AE2410Y-AA1A**	SS SC	115/60/1	LBP	AE2410Y-AA1A	9.39	1/4"	3/8"	16.0	11.5	8.9
		1/4	Embraco	R134a R513A	UFF0025XZE	Bare Plus	115-127/60/1	L/MBP	FFU130HAX	10.61	3/8"	1/4"	18.8	11.4	10.0
	7	1/3	Tecumseh	R134a R513A	AE4440Y-**1A**	SS SC	115/60/1 230/60/1	HBP	AE4440Y-AA1A AE4440Y-XN1A	10.33	1/4"	3/8"	16.0	11.5	8.9
		1/4	Embraco	R134a R513A	UFF0025XZE	Bare Plus	115-127/60/1	L/MBP	FFU130HAX	10.61	3/8"	1/4"	18.8	11.4	10.0

*Embraco's data for R-134a

Tecumseh Configuration		Embraco Configuration	
SS (69)	Sweat connections, power cord and service valves	BARE	Liquid and suction valves, fan guard, end cover
SC (59)	Sweat connections, power cord, receiver tank and service valves	PLUS	Liquid and suction valves, fan guard, end cover, receiver, sight glass, filter drier

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