

CONDENSING UNITS FULL RANGE

TRADITIONAL CONDENSING UNITS (HFC)



PRE-EQUIPPED

COMPONENTS
QUALIFIED

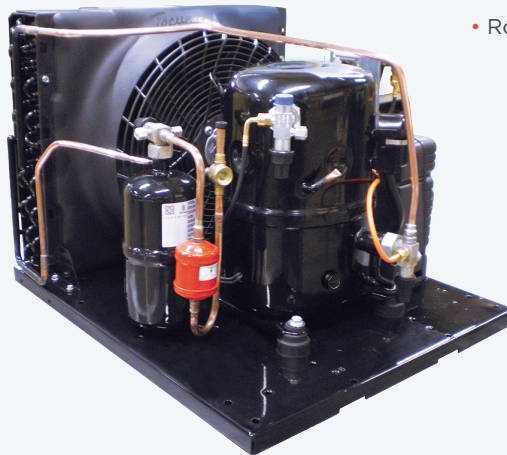
ROBUST DESIGN

LAB TESTED
CAPACITY

CONDENSING UNITS FULL RANGE

REFRIGERATION CIRCUIT

- Adjustable HBP/LBP pressure switch
- Condenser up to 46°C
- Liquid receiver
- Service valves



ROBUST DESIGN

- Rigid base plate
- Anti-rust coated brazed connections
- Protected painted condenser
- Robust compressor



PRE-EQUIPPED

- Filter drier and sight glass
- Reduction in installation time
- Increased safety by factory assembly and test

ELECTRICAL COMPONENTS

- AC or EC fans, compatible with variable speed
- IP 44 electrical box
- Crankcase heater
- Compressor electrical protection

R-452A

COOLING PERFORMANCE TRADITIONAL CONDENSING UNITS (LBP)

MODEL	REFRIG. PROD., 32° amb., 10K superheat, 3K subcool, Mid/Mid Evaporation temperature (°C):						REFRIG. PROD. EN13215 To -35 °C		Acou. Pressure dB(A) at 10 m free field	Air flow rate m3/h	Liq. Rec. L	Pipe diam.		Fan Diam. mm	Max. current A	
	-35°	-30°	-25°	-20°	-15°	-10°	Perf. W	COP W/W				Suction	Liq. disch.		FZ (or XC)	TZ (or XG)
AET2415ZBR	159	209	267	331	402	479	195	0.83	28	340	0.75	3/8"	1/4"	200	3.2	na
AET2420ZBR	201	268	345	434	533	643	247	0.91	27	410	0.75	3/8"	1/4"	200	4.6	na
CAJ/TAJN2428ZBR	245	334	440	562	703	863	302	0.82	26	550	1.50	1/2"	1/4"	250	5.3	2.2
AET2425ZBR	266	354	454	568	695	836	328	0.89	34	500	0.75	3/8"	1/4"	250	4.6	na
CAJN2432ZBR	295	401	523	664	823	1003	365	0.89	28	550	1.50	1/2"	1/4"	250	6.0	na
CAJT2432ZBR	353	496	665	858	1078	1326	429	0.87	38	1130	1.50	1/2"	1/4"	300	6.5	na
CAJN2440ZBR	416	573	758	970	1213	1489	508	1.02	27	900	1.50	1/2"	3/8"	300	5.8	na
CAJ/TAJN2446ZBR	521	698	901	1129	1382	1659	639	1.05	31	900	2.35	1/2"	3/8"	300	8.4	3.2
CAJ/TAJT2446ZBR	548	742	959	1200	1467	1762	669	1.00	37	1130	1.50	1/2"	3/8"	300	8.8	3.1
CAJ/TAJN2464ZBR	662	868	1103	1366	1657	1978	816	0.98	33	900	2.35	5/8"	3/8"	300	10.2	4.0
CAJ/TAJT2464ZBR	740	982	1268	1598	1975	2400	898	0.96	45	2464	1.50	5/8"	3/8"	350	10.7	3.8
FH/FHT2480ZBR	987	1375	1819	2322	2888	3528	1210	1.14	43	1750	1.50	5/8"	3/8"	350	12.4	7.0
FH/FHT2511ZBR	1296	1848	2482	3195	3989	4871	1600	1.08	45	1750	1.50	5/8"	3/8"	350	24.4	8.7
TAGT2513ZBR	1472	2162	2959	3858	4856	5957	1788	0.99	51	3900	2.35	7/8"	3/8"	420	na	9.3
TAGT2516ZBR	1773	2543	3434	4446	5586	6870	2164	1.14*	50	3300	2.35	7/8"	3/8"	420	na	10.2
TAGT2519ZBR	2066	2945	3968	5137	6464	7968	2514	1.25*	51	2500	3.90	7/8"	3/8"	450	na	11.7
TAGT2522ZBR	2345	3271	4346	5573	6964	8540	2857	1.28*	51	2500	3.90	1"1/8	3/8"	450	na	14.2
TAGT2525ZBR	2598	3597	4728	5993	7401	8974	3167	1.26*	54	2500	3.90	1"1/8	1/2"	450	na	14.1
TAGDT2532ZBR	3586	5136	6909	8897	11100	13547	4371	1.15*	53	7000	6.00	1"1/8	1/2"	420	na	21.3
TAGDT2538ZBR	4111	5738	7598	9687	12012	14612	5021	1.17*	53	7000	6.00	1"1/8	1/2"	420	na	21.3
TAGDT2544ZBR	5069	6854	8918	11268	13932	16974	6205	1.28*	54	7000	6.00	1"1/8	1/2"	420	na	29.0
TAGDT2550ZBR	5010	6982	9290	11913	14792	17834	6138	1.16*	57	7000	6.00	1"1/8	1/2"	420	na	29.0

* SEPR instead COP / na: not applicable.

COOLING PERFORMANCE TRADITIONAL CONDENSING UNITS (HBP)

R448A/
R449A**

R-452A

MODEL	REFRIG. PROD., 32° amb., 10K superheat, 3K subcool, Mid/Mid Evaporation temperature (°C):							REFRIG. PROD. EN13215 To -10 °C		Acou. Pressure dB(A) at 10 m free field	Air flow rate m3/h	Liq. Rec. L	Pipe diam.		Fan Diam. mm	Max. current A	
	-25°	-15°	-10°	-5°	0°	+5°	+15°	Perf. W	COP W/W				Suc- tion	Liq. disch.		FZ (or XC)	TZ (or XG or TX)
AET4425ZHR	155	263	331	410	500	603	872	362	1.50	31	410	0.75	3/8"	1/4"	200	3.0	na
AET4430ZHR	191	321	401	491	593	706	995	439	1.53	28	410	0.75	3/8"	1/4"	200	3.1	na
AET4440ZHR	261	439	547	670	809	965	1380	598	1.54	38	500	0.75	3/8"	1/4"	250	4.1	na
AET4450ZHR	337	551	678	819	973	1143	1579	745	1.49	38	500	0.75	3/8"	1/4"	250	5.5	na
AET4460ZHR	461	730	896	1085	1299	1540	2176	977	1.66	38	1130	0.75	3/8"	1/4"	300	6.5	na
AET4470ZHR	527	850	1041	1254	1493	1761	2487	1136	1.66	39	1130	0.75	3/8"	1/4"	300	5.9	na
CAJ/TAJN9480ZMHR	531	888	1104	1346	1615	1913	2681	1212	1.71	33	900	1.50	1/2"	3/8"	300	6.9	3.2
CAJ/TAJT9480ZMHR	580	960	1193	1456	1751	2080	2926	1301	1.72	37	1130	1.50	1/2"	3/8"	300	7.3	3.4
CAJ/TAJN9510ZMHR	654	1068	1315	1590	1893	2227	3093	1450	1.67	34	900	1.50	5/8"	3/8"	300	8.6	3.2
CAJ/TAJT9510ZMHR	669	1116	1381	1675	1997	2348	3150	1517	1.77	34	820	1.50	5/8"	3/8"	300	8.4	4.0
CAJ/TAJN9513ZMHR	769	1287	1590	1918	2269	2644	3586	1758	1.72	34	900	1.50	5/8"	3/8"	300	11.5	4.1
CAJ/TAJT9513ZMHR	883	1524	1922	2372	2877	3438	4879	2094	1.95	45	2250	1.50	5/8"	3/8"	350	12.0	4.3
CAJ/TAJN4517ZHR	1008	1648	2035	2470	2956	3497	4910	2228	1.88	40	1700	2.35	5/8"	3/8"	350	13.5	4.4
CAJ/TAJT4517ZHR	1028	1695	2102	2562	3078	3655	5164	2295	1.90	46	2250	2.35	5/8"	3/8"	350	13.4	4.4
CAJ/TAJN4519ZHR	1212	2046	2532	3064	3643	4273	5888	2782	1.67	41	1700	2.35	5/8"	3/8"	350	16.0	5.6
CAJ/TAJT4519ZHR	1228	2126	2662	3255	3900	4586	6192	2915	1.78	40	1650	2.35	5/8"	3/8"	350	15.6	6.6
FHT4522ZHR	1089	2042	2615	3249	3934	4659	6187	2983	1.90	43	1650	2.35	5/8"	3/8"	350	14.4	5.8
FHT4524ZHR	1186	2222	2845	3540	4304	5138	7035	3221	1.79	49	3900	2.35	5/8"	3/8"	420	17.2	7.8
FHT4532ZHR	1558	2802	3532	4334	5210	6162	8342	3962	1.82	50	3670	3.90	7/8"	1/2"	420	21.9	7.8
FHT4538ZHR	2103	3742	4697	5744	6889	8141	11083	5157	2.67*	50	3300	3.90	7/8"	1/2"	420	27.0	9.7
FHT4544ZHR	2456	4561	5800	7183	8843	10422	14377	6321	2.65*	54	7000	3.90	7/8"	1/2"	420	na	14.5
TAGT4546ZHR	2349	4702	6146	7770	9572	11560	16683	6678	2.69*	55	7000	6.00	7/8"	1/2"	420	na	15.6
TAGT4553ZHR	2714	5321	6891	8638	10558	12660	18059	7493	2.68*	54	7000	6.00	7/8"	5/8"	420	na	16.3
TAGT4561ZHR	3219	6083	7779	9650	11698	13939	19769	8458	2.68*	55	7000	6.00	1"1/8	5/8"	420	na	17.6
TAGT4568ZHR	3902	6953	8755	10751	12953	15391	21949	9551	2.66*	54	7000	6.00	1"1/8	5/8"	420	na	20.1
TAGT4573ZHR	4411	7857	9877	12099	14531	17209	24408	10739	2.64*	54	6000	6.00	1"1/8	5/8"	420	na	21.3
TAGDT4590ZHR	4639	8809	11412	14360	17644	21251	30302	12454	2.39*	57	8270	9.50	1"1/8	5/8"	420	na	28.9
TAGT4581ZHR	4772	8216	10228	12432	14829	17435	24250	11169	2.94*	55	6000	6.00	1"1/8	5/8"	420	na	23.1
TAGDT4610ZHR	5464	10107	12953	16145	19671	23520	33170	14136	2.93*	56	8270	9.50	1"1/8	5/8"	420	na	30.3
TAGDT4612ZHR	6516	11815	15088	18776	22856	27288	38157	16435	2.72*	60	14600	9.50	1"1/8	5/8"	500	na	33.3
TAGDT4614ZHR	7964	13744	17360	21461	26019	30986	43374	18945	2.79*	59	14600	12.00	1"3/8	7/8"	500	na	38.3
TAGDT4615ZHR	8851	15470	19279	23415	27903	32842	46419	21000	2.77*	59	13000	12.00	1"3/8	7/8"	500	na	40.7
TAGDT4616ZHR	9960	17486	21721	26282	31214	36654	51842	23609	2.75*	60	13000	12.00	1"3/8	7/8"	500	na	44.3

* SEPR instead COP / na: not applicable. **Please refer to the refrigerant guidelines on <http://www.tecumseh.com>

COOLING PERFORMANCE ROTARY CONDENSING UNITS (LBP)

R-452A

MODEL	REFRIG. PROD., 32° amb., 10K superheat, 3K subcool, Mid/Mid Evaporation temperature (°C):						REFRIG. PROD. EN13215 To -35 °C		Acou. Pressure dB(A) at 10 m free field	Air flow rate m3/h	Liq. Rec. L	Pipe diam.		Fan Diam. mm	Max. current A	
	-35°	-30°	-25°	-20°	-15°	-10°	Perf. W	COP W/W				Suc- tion	Liq. disch.		FZ	TZ
HGA2426ZBR	304	383	483	587	737	893	361	1.04	37	1400	0.75	3/8"	1/4"	200	3.8	na

COOLING PERFORMANCE ROTARY CONDENSING UNITS (HBP)

MODEL	REFRIG. PROD., 32° amb., 10K superheat, 3K subcool, Mid/Mid Evaporation temperature (°C):							REFRIG. PROD. EN13215 To -10 °C		Acou. Pressure dB(A) at 10 m free field	Air flow rate m3/h	Liq. Rec. L	Pipe diam.		Fan Diam. mm	Max. current A	
	-25°	-15°	-10°	-5°	0°	+5°	+15°	Perf. W	COP W/W				Suc- tion	Liq. disch.		FZ	TZ
HGA4467ZHR	472	732	889	1067	1266	1488	2016	974	2.06	38	1000	0.75	3/8"	1/4"	200	4.0	na
HGA4492ZHR	658	1000	1206	1437	1696	1985	2677	1323	2.12	38	1000	0.75	1/2"	3/8"	200	5.5	na
HGA4512ZHR	766	1171	1470	1661	1936	2230	2883	1551	1.91	39	1000	0.75	1/2"	3/8"	200	7.1	na

R-513A

R-134a

COOLING PERFORMANCE TRADITIONAL CONDENSING UNITS (HBP)

MODEL	REFRIG. PROD., 32° amb., 10K superheat, 3K subcool Evaporation temperature (°C):							REFRIG. PROD. EN13215 To -10 °C		Acou. Pressure dB(A) at 10 m free field	Air flow rate m ³ /h	Liq. Rec. L	Pipe diam.		Fan Diam. mm	Max. current A	
	-15°	-10°	-5°	0°	+5°	+10°	+15°	Perf. W	COP W/W				Suction	Liq. disch.		FZ (or XC)	TZ (or XG)
THB4410YH	111	142	178	220	272	330	397	153	1.33	26	340	/	1/4"	1/4"	200	1.1	na
THB4413YH	129	165	206	255	311	375	447	179	1.24	27	340	/	1/4"	1/4"	200	1.8	na
THB4415YHR	161	204	254	312	374	445	520	221	1.42	26	340	0.75	1/4"	1/4"	200	1.5	na
THB4419YHR	188	235	290	354	425	505	595	255	1.42	26	340	0.75	3/8"	1/4"	200	1.8	na
THB4422YHR	228	283	346	416	494	579	671	306	1.42	26	340	0.75	3/8"	1/4"	200	2.5	na
AET4425YHR	241	316	400	493	595	721	822	344	1.50	28	410	0.75	3/8"	1/4"	200	2.6	na
AE4430YHR	319	404	500	608	727	877	997	440	1.58	28	410	0.75	3/8"	1/4"	200	3.3	na
AET4430YHR	320	407	508	622	749	911	1045	443	1.44	38	500	0.75	3/8"	1/4"	250	3.5	na
AE4440YHR	411	506	612	730	858	1019	1144	554	1.58	28	410	0.75	3/8"	1/4"	200	3.9	na
AET4440YHR	429	533	651	785	935	1127	1286	580	1.54	38	500	0.75	3/8"	1/4"	250	4.1	na
CAJN4452YHR	481	610	752	906	1070	1270	1416	666	1.50	27	550	1.50	1/2"	1/4"	250	5.6	na
CAJT4452YHR	544	701	882	1087	1318	1611	1853	759	1.49	37	1130	1.50	1/2"	1/4"	250	6.1	na
AE4450YHR	549	677	819	976	1147	1364	1533	740	1.63	38	500	0.75	3/8"	1/4"	250	5	na
AET4450YHR	584	733	903	1094	1309	1584	1812	796	1.69	38	800	0.75	3/8"	1/4"	300	5.2	na
CAJN4461YHR	585	724	877	1043	1220	1438	---	793	1.50	27	550	1.50	1/2"	1/4"	300	5.9	2.4
AE4456YHR	609	752	911	1087	1280	1527	1721	821	1.61	38	500	0.75	3/8"	1/4"	250	6.2	na
AE4460YHR	611	756	915	1089	1277	1514	1694	826	1.57	38	500	0.75	3/8"	1/4"	250	5.1	na
AET4456YHR	645	805	987	1192	1423	1720	1968	874	1.67	38	1130	0.75	3/8"	1/4"	300	5.8	na
AET4460YHR	647	808	990	1196	1427	1726	1975	878	1.62	37	1130	0.75	3/8"	1/4"	300	5.3	na
CAJT/TAJT4461YHR	669	852	1064	1307	1580	1926	2210	923	1.59	37	1130	1.50	1/2"	1/4"	300	6.5	2.6
CAJN4476YHR	752	964	1207	1484	1795	2195	2531	1047	1.67	31	900	1.50	1/2"	3/8"	300	7.1	na
CAJT4476YHR	761	983	1235	1521	1840	2244	2577	1066	1.57	37	1130	1.50	1/2"	3/8"	350	7.5	na
CAJN/TAJN4492YHR	939	1193	1475	1784	2117	2528	2840	1300	1.80	32	900	2.35	1/2"	3/8"	300	9.1	3
CAJT/TAJT4492YHR	993	1279	1608	1982	2403	2940	3391	1387	1.73	45	2250	2.35	1/2"	3/8"	350	9.6	3.2
CAJN/TAJN4511YHR	1194	1478	1786	2112	2452	2868	---	1619	1.89	33	900	2.35	5/8"	3/8"	300	8.8	3.5
CAJT/TAJT4511YHR	1319	1667	2062	2505	2997	3622	4130	1810	1.96	45	2250	2.35	5/8"	3/8"	350	9.3	3.7
CAJN4513YHR	1413	1786	2211	2691	3229	3914	4476	1933	2.00	39	1700	2.35	5/8"	3/8"	350	10.5	na
FHT4518YHR	1695	2213	2803	3467	4203	5122	5865	2405	2.25	42	1650	1.50	5/8"	3/8"	350	11.1	5.3
FHT4525YHR	2149	2796	3528	4340	5224	6311	7143	3051	2.13	43	1650	1.50	5/8"	3/8"	350	14.4	6.3
TAGT4528YHR	2856	3656	4548	5534	6616	7983	9092	3968	2.27	50	3900	2.35	7/8"	3/8"	420	na	11.1
TAGT4534YHR	3074	3965	4961	6070	7297	8857	10156	4310	2.10	52	3670	2.35	7/8"	3/8"	420	na	11.5
TAGT4537YHR	3346	4311	5382	6568	7877	9543	10933	4694	2.04	49	3670	2.35	7/8"	3/8"	420	na	11.1
TAGT4543YHR	3790	4904	6139	7500	9001	10913	12516	5331	2.75*	50	3300	2.35	7/8"	3/8"	420	na	11.1
TAGT4547YHR	4000	5162	6469	7928	9544	11588	13268	5621	2.35*	44	2500	3.90	1"1/8	1/2"	450	na	11.6
TAGD4556YHR	4303	6286	8679	11457	14622	18181	22141	6803	3.09*	53	7000	3.90	1"1/8	1/2"	420	na	22.3
TAGDT4568YHR	5910	7926	10312	13013	15992	19210	22618	8577	2.79*	53	6000	3.90	1"1/8	1/2"	420	na	21.9
TAGDT4574YHR	7170	9376	11901	14766	17987	22086	25554	10156	3.07*	53	8270	6.00	1"1/8	5/8"	420	na	23.3
TAGDT4586YHR	7751	10066	12647	15501	18634	22577	25800	10924	3.11*	53	7600	6.00	1"1/8	5/8"	420	na	21.9

* SEPR instead COP / na: not applicable.

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