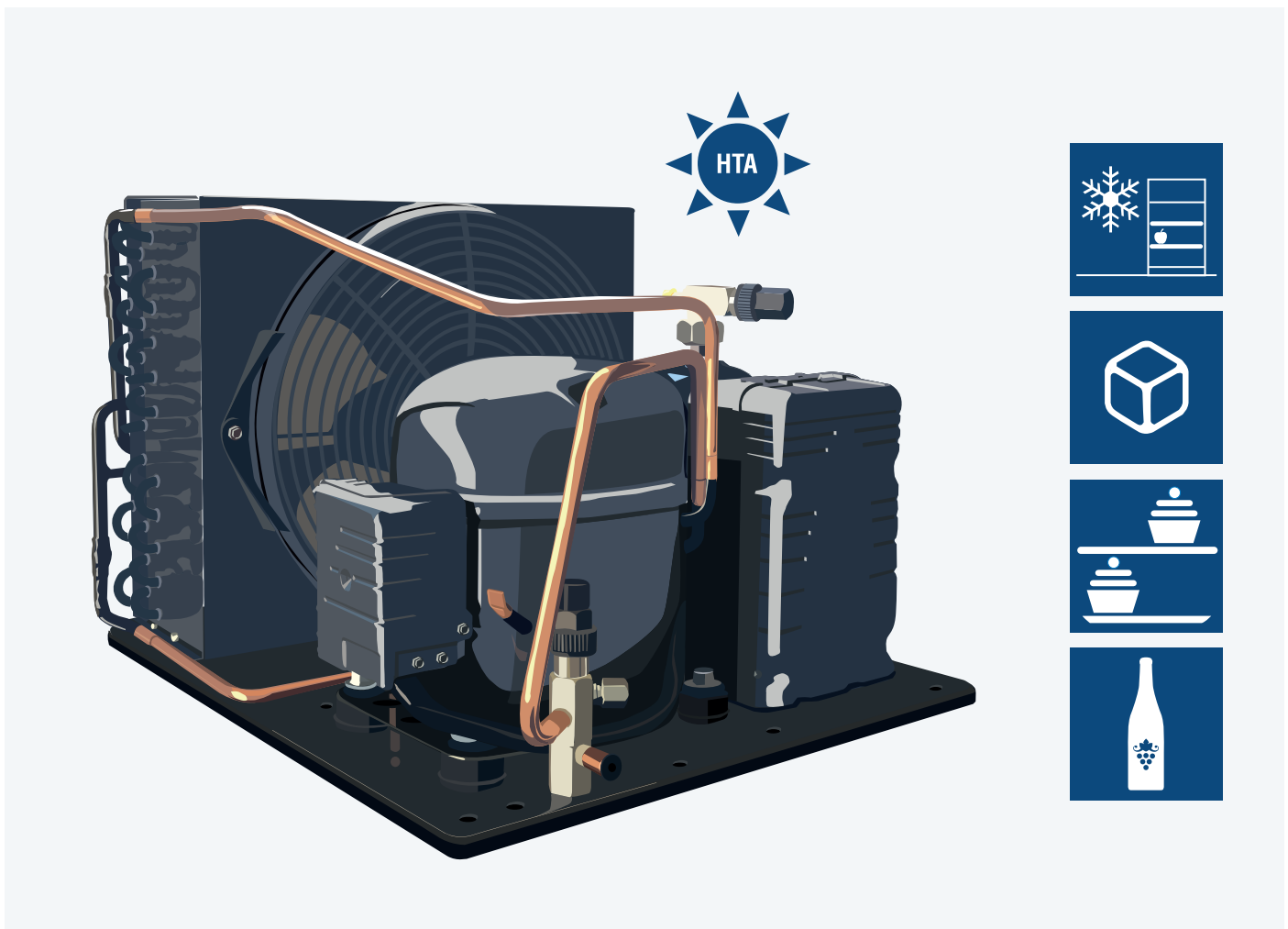




Tecumseh

CONDENSING UNITS

THE MOST EXTENSIVE RANGE
TO MAKE THE ENVIRONMENTAL TRANSITION



DURABLE SOLUTION

SAFE BY DESIGN

EASY TO USE

COMPREHENSIVE
RANGE

COMPLIANCE WITH EUROPEAN SAFETY AND PERFORMANCE REQUIREMENTS - RELIABILITY GUARANTEED



CONDENSER

- Designed for High Ambient Temperatures.

COMPRESSOR

- Designed to use A2L refrigerants with the same efficiency and robustness as HFC compressors.

FLUID RESERVOIR

- Designed to limit the refrigerant charge.
- Installation length:
 - AE Units: 5 m
 - AJ Units: 10 m
 - FH/AG Units: 15 m.

FAN MOTOR

- A2L qualified.
- A2L certified.

SERVICE VALVES

- A2L compatibility tested by an outside body.
- Standard component for easier maintenance.



“n” PROTECTED ELECTRICAL COMPONENTS:

- Compressor.
- Fan motor.
- Pressure switch.

PRESSURE SWITCH

- Qualified for A2L refrigerants.
- AE/AJ Units: HBP pressure switch.
- FH/AG Units: Dual Auto/Manu pressure switch.
- Welded on AE/AJ units, screwed on FH/AG units.

PACKAGING

- A2L labelled for easier stock management and distribution.

VOLTAGE CODES AND THEIR VALUES

PHASE	1~	3~	
Voltage Code	FZ	XC	TX
Voltage	220 - 240 V ~50 Hz	220 - 240 V ~50 Hz	380 - 420 V ~50 Hz
Frequency / Voltage Range	50 Hz: 198 to 253 V	50 Hz: 198 to 254 V	50 Hz: 342 to 462 V

COOLING PERFORMANCE NEGATIVE COLD (LBP)



MODEL	REFRIG. PROD., R-455A*, 32 °C amb., 10K superheat, 3K subcool, Mid/Mid - Evaporation temperature (°C):						REFRIG. PROD. EN13215 To -35 °C		Aco. P dB(A) at 10 m	Vent. flow rate m3/h	Netw. Vol. L	Pipe diam.		Dim. No.	Max. current A	
	-35°	-30°	-25°	-20°	-15°	-10°	Perf. (W)	COP (W/W)				Suction	Liq. disch.		FZ (or XC)	TX
AET2415PBR-FZ	161	213	273	340	417	503	188	0.83	29	410	0.75	3/8"	1/4"	M200	3.2	/
AET2420PBR-FZ	194	258	331	415	514	628	227	0.82	29	410	0.75	3/8"	1/4"	M200	4.1	/
AET2425PBR-FZ	260	348	450	564	691	828	303	0.81	38	500	0.75	3/8"	1/4"	M250	4.6	/
AJT2432PBR-FZ	310	442	600	787	1005	1253	360	0.93	28	550	0.75	1/2"	1/4"	M250	5.7	/
AJT2440PBR-FZ	392	545	726	935	1175	1446	456	0.97	31	900	0.75	1/2"	1/4"	M300	6	/
AJT2446PBR-TX	442	624	835	1077	1349	1650	514	0.96	31	900	1.50	1/2"	3/8"	M300	/	2.9
AJT2446PBR-FZ	450	635	845	1079	1339	1626	524	0.91	31	900	1.50	1/2"	3/8"	M300	7.7	/
AJT2464PBR-TX	653	895	1178	1502	1867	2273	756	1.00	42	820	1.50	5/8"	3/8"	M300	/	3.7
AJT2464PBR-FZ	654	900	1187	1517	1891	2308	758	1.00	33	820	1.50	5/8"	3/8"	M300	9.9	/
FHT2480PBR-TX	927	1314	1781	2333	2969	3688	1078	1.08	43	1750	1.50	3/8"	1/4"	M350	/	7.1
FHT2480PBR-XC	910	1333	1826	2392	3032	3746	1057	1.01	43	1750	1.50	3/8"	1/4"	M350	16.8	/
FHT2511PBR-TX	1416	1963	2618	3385	4263	5246	1646	1.16	45	1650	1.50	3/8"	1/4"	M350	/	8.6
FHT2511PBR-XC	1445	1995	2641	3386	4229	5168	1680	1.10	45	1650	1.50	3/8"	1/4"	M350	20.6	/
AGT2516PHR-TX	1346	2134	3048	4095	5279	6603	1556	0.87	50	3300	2.35	1/2"	1/4"	M450	/	11.2
AGT2519PHR-TX	1719	2565	3548	4672	5938	7349	1991	0.95	51	3300	2.35	1/2"	1/4"	M450	/	11.5
AGT2522PBR-TX	2028	2880	3857	4962	6194	7553	2353	1.09	48	2500	3.90	5/8"	3/8"	B420	/	12.5
AGT2525PBR-TX	2144	3050	4077	5230	6510	7920	2490	1.09	53	2500	3.90	5/8"	3/8"	B420	/	13.9

* for further details on powers, refer to the selection software that can be downloaded from <https://www.tecumseh.com>

COOLING PERFORMANCE POSITIVE COLD (HBP)

MODEL	REFRIG. PROD., 32 °C amb., 10K superheat, 3K subcool, Mid/Mid - Evaporation temperature (°C):							REFRIG. PROD. EN13215 To -10 °C		Aco. P dB(A) at 10 m	Vent. flow rate m ³ /h	Netw. Vol. L	Pipe diam.		Dim. No.	Max. current (A)	
	-25°	-15°	-10°	-5°	0°	5°	15°	Perf. (W)	COP (W/W)				Suction	Liq. disch.		FZ	TX
AET4425NHR-FZ	106	224	294	372	458	550	753	328	1.43	29	410	0.75	1/4"	1/4"	M200	2.8	/
AET4430NHR-FZ	172	309	394	493	603	724	998	438	1.44	38	500	0.75	3/8"	1/4"	M250	3.5	/
AET4440NHR-FZ	236	400	499	610	733	868	1.167	556	1.48	38	500	0.75	3/8"	1/4"	M250	4.3	/
AET4450NHR-FZ	314	543	681	837	1010	1203	1651	757	1.61	38	1130	0.75	3/8"	1/4"	M300	5.1	/
AET4456NHR-FZ	340	589	736	901	1083	1286	1753	819	1.55	38	1130	0.75	3/8"	1/4"	M300	5.7	/
AJT4461NHR-FZ	335	600	768	961	1179	1422	1977	853	1.68	31	900	0.75	1/2"	1/4"	M300	6.2	/
AJT4461NHR-TX	326	604	779	978	1202	1449	2009	865	1.83	31	900	0.75	1/2"	1/4"	M300	/	2.8
AJT4476NHR-FZ	404	723	918	1137	1378	1641	2225	1023	1.76	31	900	0.75	1/2"	1/4"	M300	7.4	/
AJT4492NHR-FZ	478	876	1107	1358	1629	1919	2560	1237	1.70	32	900	1.50	1/2"	3/8"	M300	9.1	/
AJT4492NHR-TX	475	872	1106	1362	1638	1933	2579	1237	1.87	31	900	1.50	1/2"	3/8"	M300	/	3.7
AJT4511NHR-FZ	662	1137	1421	1731	2066	2422	3197	1587	1.93	33	820	1.50	5/8"	3/8"	M300	8.8	/
AJT4511NHR-TX	665	1135	1417	1728	2066	2428	3222	1583	1.83	32	820	1.50	5/8"	3/8"	M300	/	4.4
AJT4513NHR-FZ	679	1192	1509	1868	2269	2712	3713	1682	1.80	40	1750	1.50	5/8"	3/8"	M350	11.3	/
FHT4518NHR-TX	805	1516	1962	2471	3043	3673	5088	2183	2.11	43	1650	1.50	7/8"	3/8"	M351	/	4.3
FHT4518NHR-XC	915	1607	2058	2582	3176	3833	5309	2292	1.99	43	1650	1.50	7/8"	3/8"	M352	12.8	/
FHT4525NHR-TX	1151	1991	2514	3102	3752	4460	6034	2809	2.09	45	1650	1.50	7/8"	3/8"	M353	/	6.0
FHT4525NHR-XC	1141	2009	2545	3149	3819	4550	6190	2845	2.00	45	1650	1.50	7/8"	3/8"	M354	16.6	/
AGT4528NHR-TX	972	2072	2774	3579	4486	5490	7767	3096	1.69	50	3900	3.90	7/8"	1/2"	M420	/	12.2
AGT4534NHR-TX	1201	2466	3265	4182	5219	6377	9073	3647	1.75	50	3670	3.90	7/8"	1/2"	M420	/	11.5
AGT4537NHR-TX	1383	2730	3581	4557	5657	6888	9763	4008	1.73	50	3670	3.90	7/8"	1/2"	M420	/	11.9
AGT4543NHR-TX	1674	3280	4259	5363	6600	7979	11226	4764	1.83	50	3300	3.90	7/8"	1/2"	M420	/	13.0
AGT4547NHR-TX	2148	3912	4968	6141	7433	8851	12136	5546	1.97	44	2500	3.90	7/8"	1/2"	M420	/	12.2

COOLING PERFORMANCE POSITIVE COLD (HBP)

R-455A

R-454C

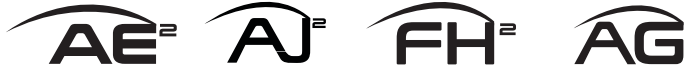
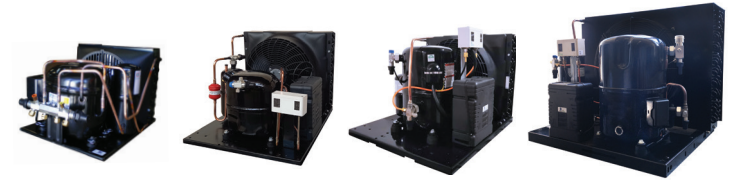
MODEL	REFRIG. PROD., R-455A*, 32 °C amb., 10K superheat, 3K subcool, Mid/Mid - Evaporation temperature (°C):							REFRIG. PROD. EN13215 To -10 °C		Aco. P dB(A) at 10 m	Vent. flow rate m ³ /h	Netw. Vol. L	Pipe diam.		Dim. No.	Max. current (A)	
	-25°	-15°	-10°	-5°	0°	5°	15°	Perf. (W)	COP (W/W)				Suction	Liq. disch.		FZ	TX
AET4425PHR-FZ	141	244	309	383	467	560	778	327	1.36	31	410	0.75	3/8"	1/4"	M200	2.5	/
AET4430PHR-FZ	186	302	376	460	555	662	911	398	1.72	30	410	0.75	3/8"	1/4"	M200	2.6	/
AET4440PHR-FZ	225	388	483	588	706	838	1.148	510	1.34	38	500	0.75	3/8"	1/4"	M250	3.1	/
AET4450PHR-FZ	346	542	663	797	944	1103	---	704	1.41	38	500	0.75	3/8"	1/4"	M250	4.6	/
AET4460PHR-FZ	448	706	868	1055	1268	1507	2070	914	1.57	38	1130	0.75	3/8"	1/4"	M300	5.4	/
AET4470PHR-FZ	533	809	992	1205	1447	1719	2348	1047	1.53	38	1130	0.75	3/8"	1/4"	M300	5.6	/
AJT4480PHR-TX	454	815	1032	1278	1567	1861	2567	1092	1.6	32	900	1.50	1/2"	3/8"	M300	/	3.1
AJT4480PHR-FZ	460	817	1038	1288	1554	1877	2590	1099	1.64	33	900	1.50	1/2"	3/8"	M300	6.1	/
AJT4510PHR-FZ	559	979	1230	1513	1826	2172	2966	1304	1.57	34	900	1.50	5/8"	3/8"	M300	7.7	/
AJT4510PHR-TX	621	1041	1292	1573	1885	2228	---	1371	1.63	33	900	1.50	5/8"	3/8"	M300	/	3.6
AJT4513PHR-TX	753	1307	1666	2066	2521	2992	4106	1758	1.78	33	820	1.50	5/8"	3/8"	M300	/	3.8
AJT4513PHR-FZ	703	1339	1691	2085	2507	2998	4083	1785	1.82	35	820	1.50	5/8"	3/8"	M300	10.2	/
AJT4517PHR-FZ	781	1472	1889	2360	2887	3470	4812	1993	1.73	40	1750	2.35	5/8"	3/8"	M350	11.7	/
AJT4517PHR-TX	848	1555	1965	2419	2921	3472	4734	2074	1.82	40	1750	2.35	5/8"	3/8"	M350	/	4.7
AJT4519PHR-FZ	1081	1925	2447	3042	3711	4454	6146	2578	1.83	41	1650	2.35	5/8"	3/8"	M350	16.9	/
AJT4519PHR-TX	1105	1967	2496	3097	3771	4518	6215	2631	1.77	41	1650	2.35	5/8"	3/8"	M350	/	5.9
FHT4524PHR-TX	1302	2424	3119	3915	4821	5843	8271	3288	1.97	51	3900	2.35	7/8"	1/2"	M420	/	8
FHT4524PHR-XC	1280	2462	3183	4003	4928	5964	8409	3357	1.96	49	3900	2.35	7/8"	1/2"	M421	17	/
FHT4532PHR-TX	1413	2740	3542	4449	5470	6614	9317	3739	1.94	49	3670	3.90	7/8"	1/2"	M422	/	8.5
FHT4532PHR-XC	1523	2915	3744	4674	5715	6876	9606	3955	1.99	50	3670	3.90	7/8"	1/2"	M423	20.4	/
FHT4538PHR-XC	2034	3686	4678	5793	7040	8427	11679	4941	1.90	50	3300	3.90	7/8"	1/2"	M425	25.2	/
FHT4538PHR-TX	2159	3797	4781	5883	7105	8448	11530	5052	2.01	50	3300	3.90	7/8"	1/2"	M424	/	9.2
FHT4544PHR-TX	2551	4519	5744	7153	8762	10581	14894	6035	2.17	53	7000	6	7/8"	1/2"	B420	/	13.8
AGT4553PHR-TX	2222	4680	6219	7986	9993	12251	17562	6538	1.92	56	7000	6	7/8"	1/2"	B420	/	14.6
AGT4561PHR-TX	2998	5722	7419	9366	11579	14070	19955	7812	1.93	56	7000	6	7/8"	1/2"	B420	/	15.8
AGT4568PHR-TX	3175	6153	7961	10009	12312	14889	20966	8389	1.95	55	7000	6	7/8"	1/2"	B420	/	17.5
AGT4573PHR-TX	3704	6890	8788	10910	13267	15869	21886	9270	1.96	56	6000	6	7/8"	1/2"	B420	/	19.6
AGT4581PHR-TX	4333	7674	9688	11953	14481	17284	23852	10233	1.91	57	6000	6	7/8"	1/2"	B420	/	20.2

* for further details on powers, refer to the selection software that can be downloaded from <https://www.tecumseh.com>

DIMENSIONS / WEIGHTS

NEGATIVE COLD (LBP) R-455A / R-454C

MODEL	Ø fan	L mm	H mm	Depth mm	Net Weight kg	Gross weight kg
AET2415PBR	200	257	322	404	17	18
AET2420PBR	200	257	322	404	19	20
AET2425PBR	250	298	336	501	21	22
AJT2432PBR	250	304	345	511	28	29
AJT2440PBR	300	340	432	487	31	33
AJT2446PBR	300	340	432	487	33	35
AJT2464PBR	300	340	432	487	34	36
FHT2480PBR	350	512	436	607	49	52
FHT2511PBR	350	512	436	607	52	55
AGT2516PHR	450	591	540	707	75	89
AGT2519PHR	450	591	540	707	75	89
AGT2522PBR	2x420	760	607	642	81	101
AGT2525PBR	2x420	760	607	642	83	103



POSITIVE COLD (HBP) R-455A / R-454C

MODEL	Ø fan	L mm	H mm	Depth mm	Net weight kg	Gross weight kg
AET4425PHR	200	322	257	404	17	18
AET4430PHR	200	322	257	404	17	18
AET4440PHR	250	336	298	501	20	21
AET4450PHR	250	298	336	501	20	21
AET4460PHR	300	340	430	490	24	26
AET4470PHR	300	340	430	490	24	26
AJT4480PHR	300	340	432	487	32	34
AJT4510PHR	300	340	432	487	32	34
AJT4513PHR	300	340	432	487	33	35
AJT4517PHR	350	450	512	615	39	42
AJT4519PHR	350	450	512	615	41	43
AJT4480PHR	300	340	432	487	32	34
AJT4510PHR	300	340	432	487	32	34
AJT4513PHR	300	340	432	487	33	35
AJT4517PHR	350	450	512	615	39	42
AJT4519PHR	350	450	512	615	41	43
FHT4524PHR	420	591	540	642	55	69
FHT4532PHR	420	591	540	642	63	77
FHT4538PHR	420	591	540	664	64	78
FHT4544PHR	2*420	1060	555	616	90	110
AGT4553PHR	2*420	1060	555	616	103	123
AGT4561PHR	2*420	1060	555	616	104	124
AGT4568PHR	2*420	1060	555	616	105	125
AGT4573PHR	2*420	1060	555	660	112	132
AGT4581PHR	2*420	1060	555	660	112	132

POSITIVE COLD (HBP) R-1234YF

MODEL	Ø fan	L mm	H mm	Depth mm	Net weight kg	Gross weight kg
AET4425NHR	200	322.00	257	404	17	18
AET4430NHR	250	336.00	298	501	19	20
AET4440NHR	250	336.00	298	501	19	21
AET4450NHR	300	430.00	340	490	24	26
AET4456NHR	300	430.00	340	490	24	26
AJT4461NHR	300	340.00	432	487	29	31
AJT4476NHR	300	340.00	432	487	29	31
AJT4492NHR	300	340.00	432	487	31	33
AJT4511NHR	300	340.00	432	487	34	36
AJT4513NHR	350	450.00	512	615	38	41
FHT4518NHR	350	512.00	436	607	48	51
FHT4525NHR	350	512.00	436	607	48	51
AGT4528NHR	420	591.00	540	685	71	85
AGT4534NHR	420	591.00	540	685	73	87
AGT4537NHR	420	591.00	540	685	73	87
AGT4543NHR	420	591.00	540	685	75	89
AGT4547NHR	450	760.00	607	642	78	98

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