



Tecumseh

R-290 CONDENSING UNITS

**COMPATIBLE
WITH ENVIRONMENTAL F-GAS TRANSITION**

R-290



DURABLE

Using R-290, natural refrigerant with extremely low GWP

SAFE BY DESIGN

Components qualified for R-290 refrigerant

**SPECIAL
HERMETICALLY
SEALED &
INDOOR APP.**

ROBUST DESIGN

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COMPLIANCE WITH EUROPEAN SAFETY AND PERFORMANCE REQUIREMENTS - RELIABILITY GUARANTEED

SPECIAL HERMETICALLY SEALED APPLICATIONS

- Without receiver, ideal for application with low refrigerant charge.
- Compact dimensions to be housed easily in refrigeration equipments.
- Components (fan motor, compressor) accessible.



COMPRESSORS

- Reliable well-known existing compressor range TCW, AE, AJ.
- New ALX compressor:
 - Efficient and compact.
 - Compatible for both LBP & MBP app.

SAFE DESIGN

- Fan motor & compressor electrically protected and compatible with flammable refrigerant.
- IP44 electrical box.
- Without receiver, no risk of refrigerant overcharge.
- Compressor with tubes.

ROBUST DESIGN

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

VOLTAGE CODES AND THEIR VALUES

PHASE	1~	
Voltage Code	FZ	GS
Voltage Range	220 - 240 V ~50 Hz	220 - 240 V ~50 Hz/60Hz

COOLING PERFORMANCE NEGATIVE COLD (LBP)

MODEL	REFRIG. PROD., 32 °C amb., 10K superheat, 3K subcool Evaporation temperature °C:						REFRIG. PROD. EN13215 To -35 °C		Aco. P dB(A) at 10 m	Vent. flow rate m3/h	Pipe diam.		Max. current A
	-35°	-30°	-25°	-20°	-15°	-10°	Perf. W	COP W/W			Suction	Liq. disch.	
TCW360UM-GS	92.9	114	141	175	218	270	109	0.95	not avail.	340	5/16"	1/4"	not avail.
AE2410UB-FZ	105	146	194	250	314	387	123	0.72	29	340	1/4"	1/4"	2.5
AE2415UB-FZ	162	221	287	361	441	530	191	0.85	29	340	1/4"	1/4"	3.1
AE2420UB-FZ	240	310	390	480	581	693	283	0.97	29	410	3/8"	1/4"	3.9
ALX430UM-FZ	327	411	506	613	733	867	387	1.24	38	550	5/16"	1/4"	5.3
ALX435UM-FZ	395	497	613	744	889	1050	466	1.27	38	550	5/16"	1/4"	6.8
ALX440UM-FZ	470	609	763	936	1131	1351	553	1.43	38	950	5/16"	1/4"	5.7
CAJT2446UB-FZ*	575	751	966	1225	1532	1891	668	1.30	37	1130	1/2"	5/16"	7.6

COOLING PERFORMANCE POSITIVE COLD (HBP)

MODEL	REFRIG. PROD., 32 °C amb., 10K superheat, 3K subcool, Evaporation temperature °C:							REFRIG. PROD. EN13215 To -10 °C		Aco. P dB(A) at 10 m	Vent. flow rate m3/h	Pipe diam.		Max. current A
	-25°	-15°	-10°	-5°	0°	+5°	+15°	Perf. W	COP W/W			Suction	Liq. disch.	
TCW360UM-GS	141	218	270	335	---	---	---		1.92	not avail.	340	5/16"	1/4"	not avail.
AE4425UH-FZ	162	269	332	403	483	572	783	359	1.54	30	340	1/4"	1/4"	2.4
AE4430UH-FZ	198	331	414	510	617	734	984	447	1.70	29	410	1/4"	1/4"	2.8
AE4440UH-FZ	277	440	537	644	762	891	1190	580	1.47	38	980	3/8"	1/4"	3.9
AE4450UH-FZ	359	570	686	815	957	1115	1495	744	1.48	38	980	3/8"	1/4"	5
AE4460UH-FZ	372	592	727	874	1036	1215	1655	789	1.38	39	980	3/8"	1/4"	5.7
ALX430UM-FZ	506	733	867	1015	1179	---	---	950	2.00	38	550	5/16"	1/4"	5,3
ALX435UM-FZ	613	889	1050	1227	1421	1632	---	1150	2.05	38	550	5/16"	1/4"	6,8
ALX440UM-FZ	763	1131	1351	1599	1881	2203	---	1469	2.54	38	950	5/16"	1/4"	5,7
AJT4513UH-FZ*	750	1243	1546	1886	2265	2688	3685	1672	2.24	not avail.	820	1/2"	3/8"	9,5
AJT4518UH-FZ*	942	1718	2172	2672	3219	3813	5153	2347	2.14	not avail.	1750	1/2"	3/8"	13,5

* High Temperature Ambient



DIMENSIONS / WEIGHTS

MODEL	Diam. Fan mm	L mm	H mm	D mm	Net Weight kg
TCW360UM-GS	200	305	222	355	13
AE2410UB-FZ	200	300	227	374	17
AE2415UB-FZ	200	300	227	374	17
AE2420UB-FZ	200	322	257	378	17
AE4425UH-FZ	200	300	227	374	16
AE4430UH-FZ	200	322	257	404	18
AE4440UH-FZ	250	346	303	485	17
AE4450UH-FZ	250	346	303	485	17
AE4460UH-FZ	250	346	303	485	18
ALX430UM-FZ	250	336	299	485	21
ALX435UM-FZ	250	336	299	485	22
ALX440UM-FZ	300	437	338	483	25
CAJT2446UB-FZ	300	430	340	490	33
AJT4513UH-FZ	300	432	340	488	32
AJT4518UH-FZ	300	512	436	607	36

