

# R-290 CONDENSING UNITS

COMPATIBLE WITH ENVIRONMENTAL F-GAS TRANSITION



## AUTHORIZED REFRIGERANT

R-290

## FEATURES & BENEFITS

### SAFE BY DESIGN

- Components qualified for R-290 refrigerant
- Hermetically sealed

### SPECIAL HERMETICALLY SEALED APPLICATIONS

- Compact dimensions
- Low refrigerant charge
- Easy access to fan and compressor

### DURABLE

- Natural refrigerant R-290 with very low GWP

# GENERAL CHARACTERISTICS

MODEL	FAN DIAMETER (mm)	L (mm)	H (mm)	D (mm)	WEIGHT (kg)
TCW360UM-GS	200	305	222	355	13
TCW413UM-GS	200	335	253	362	14
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
ALX430UM-FZ	250	336	299	485	21

MODEL	FAN DIAMETER (mm)	L (mm)	H (mm)	D (mm)	WEIGHT (kg)
ALX435UM-FZ	250	336	299	485	21.5
ALX440UM-FZ	300	437	338	483	25
AJT4510UH-TX*	300	432	340	488	30
AJT4513UH-FZ*	300	432	340	488	31.5
AJT4518UH-FZ*	350	512	436	607	36

## VOLTAGE

VOLTAGE CODE	FZ	GS	TX
VOLTAGE RANGE	220 - 240 V ~50 Hz	220 - 240 V ~50 Hz/60Hz	400 V 3~50 Hz

# COOLING PERFORMANCE

## NEGATIVE COLD (LBP)

MODEL	REFRIGERATING PRODUCTION (W) 32° AMBIENT, 10K SUPERHEAT, 3K SUBCOOL DEW/DEW EVAPORATION TEMPERATURE °C						REFRIG. PROD. EN13215 TO -35°C		ACOU. PRESS. dB(A) AT 10m FREE FIELD	AIR FLOW RATE (m3/h)	PIPE Ø		MAX. CURRENT (A)
	-35°C	-30°C	-25°C	-20°C	-15°C	-10°C	PERF. (W)	COP (W/W)			SUCTION	DISCH.	
	TCW360UM-GS	92.9	114	141	175	218	270	109			0.95	-	
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
TCW413UM-GS	187	238	297	365	442	529	219	1.10	29	410	5/16"	1/4"	2.9
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

## POSITIVE COLD (HBP)

MODEL	REFRIGERATING PRODUCTION (W) 32° AMBIENT, 10K SUPERHEAT, 3K SUBCOOL MID/MID EVAPORATION TEMPERATURE °C							REFRIG. PROD. EN13215 TO -10°C		ACOU. PRESS. dB(A) AT 10m FREE FIELD	AIR FLOW RATE m3/h	PIPE Ø		MAX. CURRENT (A)
	-25°C	-15°C	-10°C	-5°C	0°C	+5°C	+15°C	PERF. (W)	COP (W/W)			SUCTION	DISCH.	
	TCW360UM-GS	141	218	270	335	-	-	-	292			1.92	-	
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
TCW413UM-GS	297	442	529	626	-	-	-	574	1.89	29	410	5/16"	1/4"	2.9
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
AJT4510UH-TX*	634	1011	1244	1510	1810	2145	2930	1341	2.07	-	820	1/2"	3/8"	2.8
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	2.24	820	1/2"	3/8"	9.5
AJT4518UH-FZ*	942	1718	2172	2672	3219	3813	5153	2347	2.14	2.14	1750	1/2"	3/8"	13.5

\*High Temperature Ambient

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