

R-290 COMPRESSORS RANGE /

COMPLETE RANGE FROM 1,8 TO 145 CC.
OPTIMIZED FOR POSITIVE AND NEGATIVE REFRIGERATION APPLICATIONS.



APPLICATIONS /



bottle cooler



display case



cold room



reach-in



chiller

REFRIGERANT /

R-290

FEATURES & BENEFITS /



HG

- Rotary technology
- Compactness and high efficiency values

TC

- Extended capacity range up to 1700 Btu/h
- Optimized motor for better cost benefit
- Flexible for natural or fan cooled using the same set of electrical components

AE²

- Enlarged evaporating range
- Recognized family for its robustness and quality

AL

- High efficiency: 10 to 20% better than competition
- Electrical parts compactness with its NTCCSR design
- Extended LMBP operating window (-35°C up to +5°C)

AJ_{EXT}

- Acoustic best in class
- Extended range up to 39cc
- T-Connect: quick and easy electrical connection

FH² AG

- Biggest cooling capacity range in hermetic reciprocating compressors
- Advanced products for future regulation needs



COOLING PERFORMANCE

NEGATIVE COLD (LBP)

R-290

MODEL	DISP. (cm³)	MOTOR	COOLING PERFORMANCE (W) +40°C CONDENSING T°, 10K SUPERHEAT, 3K SUBCOOL, EVAPORATION TEMPERATURE (°C)									CONDITIONS EN12900 T° -35° / +40°C RG 20°C / SC 0K		VOLTAGE	WEIGHT (kg)	HEIGHT (mm)
			-35°C	-30°C	-25°C	-20°C	-15°C	-10°C	-5°C	0°C	+5°C	PERF. (W)	COP (W/W)			
TCW330U	1.83	CSIR	46	60	78	99	125	155	191	-	-	41	0.90	GS	8.3	168
TCW350U	2.72	CSIR	68	89	114	145	183	227	279	-	-	68	0.96	GS, DS	8.3	168
TCW360U	3.14	CSIR	79	103	134	170	214	266	327	-	-	88	1.03	GS	8.5	168
TCW380U	4.19	CSIR	105	138	179	227	286	355	437	-	-	125	0.99	GS, DS	8.5	168
TCW390U	4.75	CSIR	126	158	202	257	324	401	487	-	-	144	1.24	GS, DS	8.5	168
TCW410U	6.06	CSIR	145	190	244	310	388	481	590	-	-	162	1.06	GS, DS	8.5	168
TCW413U	6.93	CSIR	177	231	296	374	467	578	709	-	-	209	1.22	GS	8.6	168
TCX415U	7.84	CSIR	185	241	309	393	495	622	778	-	-	219	1.02	GS	8.6	168
AE2410U	5.48	CSIR	99	142	195	260	339	433	-	-	-	113	0.79	FZ	10.5	210
AE2415U	8.85	CSIR	160	227	306	399	509	636	-	-	-	183	0.93	FZ, AA	10.6	210
AE2420U	10.96	CSIR	238	317	410	522	654	808	-	-	-	274	1.04	FZ	10.6	210
AEX419U	10.33	CSIR	226	296	379	476	590	725	884	-	-	260	1.08	FZ	10.7	210
AEX424U	12.01	CSR	286	369	471	597	750	934	1153	-	-	328	1.15	FZ	10.7	210
AEX428U	13.24	CSR	302	395	511	652	821	1018	1247	-	-	347	1.18	FZ, DS	10.7	210
AEX433U	15.09	CSR	355	455	571	712	888	1109	1389	-	-	408	1.22	FZ	10.7	210
ALX430U	15	NTCCSR/CSIR	316	433	581	762	978	1229	1518	1845	2213	364	1.32	FZ	13	214
ALX435U	17.7	NTCCSR/CSIR	395	527	688	881	1112	1383	1700	2066	2486	455	1.28	FZ	13	214
ALX440U	20	NTCCSR	459	615	801	1023	1284	1588	1940	2343	2804	528	1.31	FZ	14	214
CAJ2446U	26.2	CSR	510	681	893	1155	1477	1870	-	-	-	586	1.12	FZ, XA, HZ	22	268
CAJ2464U	34.5	CSR	720	990	1286	1619	2003	2450	-	-	-	827	1.16	FZ, XA, HZ	23	268
AJ2475U	39.2	CSR / TRI	815	1094	1435	1851	2355	2961	-	-	-	937	1.19	TZ, FZ	24	286
FH2480U	54.3	CSR/TRI	893	1253	1756	2388	3133	3971	-	-	-	1026	1.17	XC, XG	29	354
FH2511U	68	CSR/TRI	1238	1738	2434	3310	4341	5502	-	-	-	1422	1.22	XC, XG	30	354
AG2518U	124	TRI	1663	2472	3484	4727	6229	8020	-	-	-	1911	1.06	TZ	42.3	406
AG2521U	145	TRI	2199	3166	4355	5795	7519	9558	-	-	-	2527	1.17	TZ	44.7	410

For physical dimensions and compressor connections, please refer to the data sheet available on the selection software.

COOLING PERFORMANCE

POSITIVE COLD (HBP)

R-290

MODEL	DISP. (cm ³)	MOTOR	COOLING PERFORMANCE (W) +45°C CONDENSING T°, 10K SUPERHEAT, 3K SUBCOOL, EVAPORATION TEMPERATURE (°C)							CONDITIONS EN12900 T° -10°C / +50°C RG 20°C / SC 0K		VOLTAGE	WEIGHT (kg)	HEIGHT (mm)
			-15°C	-10°C	-5°C	0°C	5°C	10°C	15°C	PERF. (W)	COP (W/W)			
TC4425U	4.75	CSIR	298	371	456	555	671	807	963	370	1.95	GS	8.5	168
TC4430U	6.06	CSIR	380	473	582	708	856	1029	1229	471	1.93	FZ	8.5	168
TC4440U	7.84	CSIR	440	547	675	828	1006	1212	1448	533	1.53	FZ	8.5	168
AE4425U	5.02	CSIR	257	331	418	520	639	777	938	318	1.50	FZ	10	200
AE4430U	6.12	CSIR	308	397	501	622	763	926	1116	382	1.54	FZ	10.1	200
AE4440U	8.02	CSIR	416	525	654	807	986	1196	1441	508	1.58	FZ, AA	10.2	210
AE4450U	10.33	CSIR	565	709	879	1080	1316	1593	1916	688	1.62	FZ	10.5	210
AE4460U	12.01	CSIR	592	765	968	1207	1488	1816	2197	738	1.50	FZ	11.2	210
CAJ4510U	18.3	CSR / TRI	933	1185	1488	1849	2281	2792	3395	1143	1.74	TZ, FZ	19.2	280
CAJ4513U	25.95	CSR	1181	1543	1984	2516	3151	3904	4787	1478	1.68	FZ	21.9	280
CAJ4518U	34.45	CSR	1604	2128	2738	3449	4275	5234	6343	2034	1.59	FZ, XA	22.2	280
AJ4522U	39.2	CSR / TRI	1829	2426	3121	3932	4874	5967	7231	2319	1.65	TZ, FZ	23	286
FH4522U	40	CSR / TRI	1817	2481	3244	4123	5140	6313	7665	2290	1.81	XC, XG	28	354
FH4535U	63	CSR / TRI	3389	4310	5416	6736	8302	10147	12306	4099	2.01	XC, XG	29	354
FH4539U	68	CSR / TRI	3668	4665	5862	7291	8986	10983	13320	4437	2.06	XC, XG	30	354
AG4555U	112.5	TRI	4522	6038	7818	9904	12342	15181	18473	5642	1.86	TZ	45	410
AG4565U	135	TRI	5807	7557	9657	12161	15126	18613	22688	7202	1.87	TZ	46	420
AG4575U	145	TRI	6874	8868	11228	14010	17276	21089	25518	8471	1.93	TZ	48	420
HG4467U	9.5	CSR	585	728	893	1085	1309	1568	1868	709	1.90	FZ	12	163
HG4492U	12.75	CSR	789	980	1202	1462	1765	2117	2525	955	1.97	FZ	12.5	163
HG4512U	16.12	CSR	1023	1263	1544	1873	2256	2702	3219	1235	1.99	FZ	13.2	163

For physical dimensions and compressor connections, please refer to the data sheet available on the selection software.

VOLTAGE

VOLTAGE DESIGNATION	VOLTAGE
FZ	220-240V - 50Hz 1~
XC	220-240V - 50Hz 1~
GS	220V - 50/60Hz 1~
AA	115V - 60Hz 1~
XA	100V - 50Hz / 115V - 60Hz 1~
DS	115-127V - 60Hz 1~
HZ	208-220V - 60Hz 1~
TZ	400V - 50Hz / 440V - 60Hz 3~
XG	380-420V - 50Hz / 460V - 60Hz 3~



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PRODUCT RANGE
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