

Specifications:

Description	Condensing temp, °C	Compressor/Evaporator Capacity kW					Power consumption, kW				
		Saturated Suction Temperature, °C					Saturated Suction Temperature, °C				
		-10	-5	0	5	10	-10	-5	0	5	10
CR-APCM122U SLK Scroll	35	10.72	13.01	15.80	19.19	3.60	3.63	3.64	3.63		
	40	9.93	12.02	14.56	17.64	4.02	4.04	4.05	4.04		
	45	9.16	11.07	13.37	16.17	4.51	4.53	4.53	4.52		
	50	8.41	10.15	12.23	14.77	5.07	5.08	5.08	5.07		
	55	-	9.23	11.12	13.39	-	5.70	5.70	5.68		
	60	-	-	9.98	11.99	-	-	6.38	6.37		
CR-ADCM130Z SLK CDU Scroll With Flow Controls	35	11.57	14.10	17.03	20.40	3.85	3.85	3.86	3.87		
	40	10.60	12.99	15.75	18.94	4.33	4.33	4.33	4.34		
	45	9.59	11.81	14.40	17.41	4.89	4.89	4.89	4.89		
	50	8.54	10.59	12.99	15.80	5.54	5.53	5.53	5.53		
	55	7.44	9.31	11.52	14.12	6.27	6.27	6.27	6.27		
	60	6.27	8.14	10.15	12.42	7.07	7.07	7.07	7.07		
CR-ADCM192Z SLK Scroll	35	17.00	20.87	25.36	30.52	5.58	5.67	5.77	5.93		
	40	15.58	19.18	23.38	28.22	6.23	6.30	6.40	6.55		
	45	14.11	17.44	21.34	25.86	7.01	7.07	7.16	7.28		
	50	12.60	15.65	19.24	23.42	7.92	7.97	8.05	8.16		
	55	11.06	13.81	17.07	20.92	8.99	9.03	9.10	9.20		
	60	9.47	11.92	14.85	18.34	10.23	10.27	10.33	10.42		
CR-APCM258Z SLK Scroll	35	24.33	29.74	36.38	44.48	7.97	8.09	8.21	8.33		
	40	21.70	26.55	32.51	39.81	8.79	8.92	9.05	9.19		
	45	19.32	23.65	29.00	35.57	9.72	9.86	10.01	10.16		
	50	17.19	21.06	25.85	31.76	10.74	10.90	11.06	11.23		
	55	15.27	18.75	23.03	28.30	11.87	12.04	12.22	12.41		
	60	13.49	16.62	20.45	25.18	13.09	13.29	13.49	13.69		
CR-ACSM261Z CDU Semi-Hermetic	35	22.79	28.24	34.60	42.00	7.93	8.35	8.65	8.83		
	40	20.84	25.91	31.86	38.79	8.46	9.00	9.42	9.73		
	45	18.84	23.53	29.04	35.49	8.93	9.61	10.17	10.60		
	50	16.79	21.07	26.14	32.09	9.36	10.18	10.89	11.46		
	54.4	14.89	18.80	23.48	28.96	9.68	10.64	11.48	12.19		
	35	55.54	70.25	87.68	108.13	19.97	21.88	23.57	24.96		
CR-ACSM634Z Semi-Hermetic	40	49.96	63.50	79.61	98.59	20.80	23.03	25.08	26.89		
	45	44.41	56.78	71.53	89.02	21.39	23.92	26.31	28.50		
	50	38.86	50.52	63.41	79.39	21.74	24.54	27.25	29.80		
	54.4	33.89	43.96	56.12	70.73	21.83	24.84	27.83	30.68		
	35	79.51	93.71	110.24	129.44	28.18	29.37	30.46	31.99		
	40	72.07	85.50	101.17	119.44	30.21	31.92	33.61	35.82		
Single Compressor Rack IPM1102SV-CDU Designation 47.6-DL Comp Rack Semi-Hermetic (1 x 06EM799)	45	63.71	76.29	91.01	108.26	31.84	34.20	36.62	39.64		
	50	54.43	66.04	80.00	95.84	32.73	35.87	39.16	43.12		
	54.4	45.39	56.05	68.68	83.72	32.63	36.59	40.76	45.66		

TECHNICAL DATA										
MODEL	Compressor Type	Fans Nos. x watt	Total Air flow, m ³ /hr	Receiver, Liters	Connection, inches		Oil Charge, Liters	Product Dimn. (mm)	Net Weight (Kg)	
					Suction	Liquid				
CR-AGRM050Z	Rotary	1 X 190	3827	X	5/8"	3/8"	0.85	975x400x690	56	
CR-AHRM062Z	Rotary	1 X 190	3827	X	7/8"	3/8"	2.02	990x400x820	58	
CR-AEHM039X 1Ø NXG *	Hermetic Recip.	1 X 107	5100	X	5/8"	3/8"	1.30	975x400x690	60	
CR-AEHM037X - 3Ø NXG	Hermetic Recip.	1 X 107	5100	X	5/8"	3/8"	1.30	975x400x690	60	
CR-AEHM039Z	Hermetic Recip.	1 X 107	5100	X	5/8"	3/8"	1.30	975x400x690	60	
CR-AEHM049X - 3Ø NXG	Hermetic Recip.	1 X 107	5100	X	5/8"	3/8"	1.30	975x400x690	60	
CR-AEHM073X	Hermetic Recip.	1 X 107	5100	X	3/4"	3/8"	1.30	975x400x820	79	
CR-AEHM072Z	Hermetic Recip.	1 X 107	5100	X	7/8"	3/8"	1.30	975x400x820	79	
CR-APCM086Z	Scroll	1 X 107	3828	X	7/8"	3/8"	1.70	975x400x820	70	
CR-APCM122U SLK	Scroll	1 X 330	5803	X	7/8"	1/2"	1.70	975x400x820	82	
CR-ADCM130Z SLK W Flow Ctrls	Scroll	1 X 370	7225	7.4	7/8"	1/2"	1.57	1100x410x900	125	
CR-ADCM192Z SLK	Scroll	1 X 470	11000	12.5	1 1/8"	5/8"	3.25	1080x630x1100	183	
CR-APCM258Z SLK	Scroll	2 X 330	11608	12.5	1 3/8"	5/8"	2.80	1060x700x1274	160	
CR-ACSM261Z	Semi-Hermetic	2 X 710	16786	20.0	1 3/8"	5/8"	3.8**	1450x1000x910	320	
CR-ACSM634Z	Semi-Hermetic	4 X 710	33572	25.0	2 1/8"	7/8"	9.0**	1750x1100x1300	500	

Note:-
 Performance stated above are subject to ±7% variation.
 * Compressor Capacity for Hermetic Recip. & Scroll Condensing Unit @ SST 0°C, Condensing 50°C, Total Superheat 11K.
 * Evaporator Capacity for Semi-Hermetic Condensing Unit @ SST 0°C, Condensing 50°C, Total Superheat 11K.
 Relevant Compressor manufacturer selection Software used for Capacity Calculation.
 * This Condensing unit is only suitable for Evaporator having quick pressure balancing mechanism as Expansion Device e.g. Capillary etc.
 ** Condensing unit shipped without Oil charged in Compressor from factory
 For Total power consumption add compressor and condenser fan power.
 Details provided above are for information and are subject to change without notice.



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MEDIUM TEMPERATURE CONDENSING UNITS



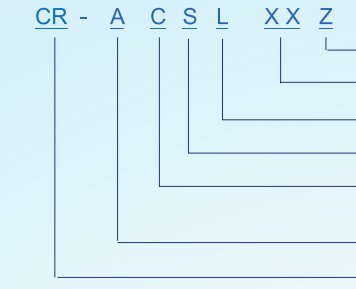
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Air Cooled Refrigeration Condensing Units

With
HERMETIC RECIP. / SCROLL / SEMI-HERMETIC COMPRESSOR
Medium Temperature : 50Hz



Model Description



Refrigerant Z - R404a, Y - R134a, X - R22, U - R410A
Capacity in kW / 10*
L low temperature, M Medium temperature
Compressor Type, S: Semi hermetic, C: Scroll, H: Hermetic recip
Compressor make, C: Carlyle, D: Danfoss, E: Emerson, T: Tecumseh, P/S: Panasonic/Sanyo
Type of condenser W - Water cooled, A - Air cooled
Carrier Refrigeration

Features

- ENVIRONMENT FRIENDLY**
 - CFC free R404a refrigerants for improving sustainability
 - R-22 in select models
- ECONOMICAL & CONVENIENT**
 - Sleek and enclosed design for reciprocating and scroll hermetic range
 - Robust footprint for semi hermetic range
 - Factory engineered product reducing field installation
 - Flexibility for pump down to recover refrigerant
 - Easy access for trouble shooting
- RELIABLE**
 - Suction accumulator provided against liquid flood back in select models
 - High/low pressure protection.
 - Oil safety switch and oil separator for proper lubrication in select models

- ENERGY EFFICIENCY**
 - Energy efficient semi hermetic Carlyle compressors
 - Ergonomic design for hermetic range offering
- ELECTRICAL SAFETY**
 - All safety interlocks installed and prewired at factory in select models
 - MCB/Contactors for ease of installation as integrated control panel
 - Voltage scanner with display for protection against voltage fluctuations and phase reversal in select models
 - Phase sequence controller for protection against phase reversal in select models

Note: Check features availability in respective models

APPLICATIONS:
FRUITS & VEGETABLES
DAIRY
FLORICULTURE
PHARMA
MANY MORE...

SELECTION DATA											
Description	Outdoor Ambient Temperature, °C	Compressor/Evaporator Capacity kW					Power consumption, kW				
		Saturated Suction Temperature, °C					Saturated Suction Temperature, °C				
		-10	-5	0	5	10	-10	-5	0	5	10
CR-AGRM050Z NXG CDU Rotary	30	4.20	5.10	5.80	6.20	-	2.22	2.31	2.35	2.30	-
	35	3.90	4.80	5.60	6.30	-	2.34	2.45	2.54	2.56	-
	40	3.60	4.40	5.30	6.20	-	2.47	2.58	2.70	2.78	-
	43	3.30	4.10	5.00	5.80	-	2.54	2.66	2.79	2.90	-
	46	3.10	3.90	4.70	-	-	2.64	2.75	2.88	3.01	-
CR-AHRM062Z NXG CDU Rotary	30	5.86	7.30	8.69	10.33	12.23	2.35	2.46	2.56	2.67	2.82
	35	5.27	6.69	8.02	9.30	11.42	2.50	2.65	2.75	2.87	2.99
	40	4.44	5.48	6.60	7.71	10.17	2.67	2.83	2.96	3.08	3.24
	43	4.16	5.07	6.28	7.25	8.69	2.76	2.95	3.07	3.21	3.36
	46	3.91	4.76	5.70	6.78	8.28	2.90	3.07	3.20	3.36	3.50
Description	Condensing temp, °C	Compressor/Evaporator Capacity kW					Power consumption, kW				
		Saturated Suction Temperature, °C					Saturated Suction Temperature, °C				
		-10	-5	0	5	10	-10	-5	0	5	10
CR-AEHM039X 1Ø NXG Hermetic Recip	35	3.13	4.05	5.12	6.41	-	1.20	1.28	1.33	1.37	-
	40	2.82	3.71	4.72	5.93	-	1.23	1.34	1.43	1.49	-
	45	2.51	3.36	4.32	5.45	-	1.25	1.39	1.50	1.59	-
	50	2.19	3.00	3.90	4.96	-	1.25	1.41	1.55	1.67	-
	55	1.87	2.64	3.48	4.46	-	1.23	1.42	1.59	1.73	-
CR-AEHM037X - 3Ø NXG Hermetic Recip	35	2.98	3.94	5.05	6.33	-	1.04	1.14	1.23	1.30	-
	40	2.65	3.56	4.61	5.82	-	1.09	1.22	1.34	1.43	-
	45	2.33	3.17	4.16	5.31	-	1.12	1.27	1.42	1.54	-
	50	2.00	2.80	3.72	4.80	-	1.12	1.30	1.47	1.62	-
	55	1.70	2.44	3.30	4.30	-	1.10	1.32	1.52	1.69	-
CR-AEHM039Z Hermetic Recip	35	-	-	-	-	-	-	-	-	-	-
	40	2.85	3.92	5.00	5.98	-	1.16	1.30	1.42	1.50	-
	45	2.41	3.39	4.41	5.40	-	1.18	1.34	1.48	1.59	-
	50	2.03	2.90	3.86	4.82	-	1.22	1.40	1.55	1.68	-
	55	1.69	2.43	3.30	4.22	-	1.25	1.44	1.61	1.77	-
CR-AEHM049X - 3Ø NXG Hermetic Recip	35	4.06	5.20	6.55	8.14	-	1.43	1.55	1.66	1.74	-
	40	3.72	4.79	6.04	7.54	-	1.38	1.54	1.68	1.80	-
	45	3.36	4.34	5.51	6.92	-	1.41	1.60	1.78	1.93	-
	50	2.99	3.89	4.97	6.28	-	1.46	1.68	1.89	2.08	-
	55	2.62	3.44	4.43	5.63	-	1.49	1.74	1.99	2.21	-
CR-AEHM073X Hermetic Recip	35	5.82	7.47	9.41	11.70	-	2.06	2.23	2.37	2.47	-
	40	5.31	6.86	8.70	10.85	-	2.12	2.34	2.53	2.67	-
	45	4.81	6.27	8.00	10.00	-	2.18	2.45	2.68	2.87	-
	50	4.32	5.68	7.30	9.19	-	2.22	2.54	2.82	3.06	-
	55	3.83	5.09	6.60	8.37	-	2.24	2.60	2.93	3.22	-
CR-AEHM072Z Hermetic Recip	35	-	-	-	-	-	-	-	-	-	-
	40	5.64	7.23	9.21	11.45	-	2.17	2.38	2.54	2.64	-
	45	4.82	6.29	8.15	10.25	-	2.27	2.51	2.72	2.86	-
	50	4.15	5.50	7.21	9.16	-	2.34	2.63	2.88	3.07	-
	55	3.56	4.78	6.34	8.12	-	2.37	2.71	3.01	3.25	-
CR-APCM086Z SLK Scroll	35	7.59	9.34	11.51	14.18	-	2.74	2.81	2.88	2.96	-
	40	6.87	8.46	10.44	12.89	-	2.99	3.08	3.16	3.25	-
	45	6.20	7.66	9.47	11.71	-	3.27	3.37	3.46	3.56	-
	50	5.60	6.93	8.59	10.64	-	3.58	3.68	3.79	3.90	-
	55	5.06	6.28	7.79	9.68	-	3.91	4.02	4.14	4.26	-
60	4.57	5.70	7.09	8.82	-	4.26	4.39	4.52	4.66	-	