



WORLD'S LEADING AIR CONDITIONING
COMPANY FROM JAPAN

Cold Room Catalogue

Reliable, Eco-Friendly
& Energy Efficient



DAIKIN AIRCONDITIONING INDIA PVT. LTD.

12th Floor, Building No. 9, Tower A, DLF Cyber City, DLF Phase III, Gurgaon - 122 002, Haryana, India.
Tel.: 0124-4555444, Fax: 0124-4555333



CUSTOMER SUPPORT AT:
1800 102 9322
serviceref@daikinindia.com

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"Product mentioned in this catalogue comply with RoHS regulations as per E-waste (Management & Handling) Rules, 2011 and should not be mixed with general household waste at the end of their useful life. For more details kindly visit our website www.daikinindia.com or contact our customer care centre at 011 - 4031 9300 / 1860 180 3900."

DAIPL2024/25-24/2/ColdRoom-1A



COLD ROOM UNITS

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COMMERCIAL CCU / ACU UNITS



THE PERFECT CHOICE WITH MORE THAN 100 YEARS
OF REFRIGERATION EXPERIENCE AND IDEAL SOLUTION
FOR COMMERCIAL REFRIGERATION.

Daikin Reciprocating and Scroll commercial refrigeration units create the perfect answer for those demanding a compact and efficient unit. The units are the ideal solution for commercial refrigeration sectors where noise, size and reliability are paramount.

Housed in a cabinet made of electro-galvanised mild steel with an anti-corrosion treatment and coated in baked polyester powder paint, units are able to withstand the most stringent weather testing. The integral IP54 rated control panel provides further protection to all essential electrical components.

All units are acoustically lined. The Scroll units house the extremely efficient Copeland scroll compressor and the standard reciprocating range house a highly reliable reciprocating compressor.

All condensing units come complete with all components fitted during manufacture to save the installer time and money. Reciprocating and Scroll condensing units are available for both medium and low temperature applications.

SCROLL

On all models

- R404A refrigerant (Medium temperature units can also operate on R134a, if required.)
- Robust weather-resistant housing
- Highly reliable Copeland scroll compressor
- Liquid receiver/Accumulator
- HP/LP pressure safety switch
- Liquid line with sight glass and filter drier factory-fitted
- IP54 rated control panel
- Noise data tested
- Oil separator and check valve for low temperature models
- Externally mounted service valves for easy isolation and an extended tail for easy installation
- Crankcase heater**
- Phase preventor

RECIPROCATING

On all models

- R404A refrigerant
- Robust weather-resistant housing
- Highly reliable hermetic compressor
- Liquid receiver/Accumulator
- HP/LP pressure safety switch
- Liquid line with sight glass and filter drier factory-fitted
- IP54 rated control panel
- Noise data tested
- Oil separator and check valve for low temperature models
- Externally mounted service valves for easy isolation and an extended tail for easy installation
- Phase preventor
- Crankcase heater**



Condensing Units

(a) Specifications

Model	Electrical Data	Compressor							Fan Motor	
	Power Input	Type	Swept Volume	Oil Type (m ³ /hr)	Oil Charge (Ltr)	Operating Current (A)*	MCC (A)**	LRC (A)	No.	FLC (A)
CCMR0200ARY16	415V/3~/50Hz	KCM511-CAL	7.2	POE	1.33	3.5	4.5	20	1	1
CCMR0300ARY16	415V/3~/50Hz	KCM522-CAL	12.8	POE	1.33	7.0	8.0	45	1	1
CCMS0400ARY16	415V/3~/50Hz	ZB29KQE-TFD	11.4	POE	1.36	10.0	11.0	50	1	2.75
CCMS0600ARY16	415V/3~/50Hz	ZB45KQE-TFD	17.1	POE	1.77	13.1	14.2	74	1	2.75
CCMS0800ARY16	415V/3~/50Hz	ZB58KQE-TFD-550	22.1	POE	2.51	15.9	23.0	95	2	2.5
CCMS1000ARY16	415V/3~/50Hz	ZB76KQE-TFD-550	29.1	POE	3.25	20.4	28.0	118	2	2.5
CCMS1200ARY16	415V/3~/50Hz	ZB95KQE-TFD-551	36.4	POE	3.3	19.8	35	140	2	4.6
CCMS1400ARY16	415V/3~/50Hz	ZB114KQE-TFD-551	43.3	POE	3.3	24.8	39	174	2	4.6
CCLR0200ARY16	415V/3~/50Hz	KCM512-LAL	14.7	POE	1.33	7.0	8.0	45	1	1
CCLR0300ARY16	415V/3~/50Hz	KCM515-LAL	15.9	POE	1.30	7.0	8.0	45	1	1
CCLS0400ARY16	415V/3~/50Hz	ZF13K4E-TFD	11.7	POE	1.90	8.6	10.0	65.5	1	2.75
CCLS0600ARY16	415V/3~/50Hz	ZF18K4E-TFD	17.1	POE	1.90	10.5	12.5	74	1	4.6
CCLS0800ARY16	415V/3~/50Hz	ZF25KQE-TFD-550	21.4	POE	1.90	13.7	16.6	102	2	2.5
CCLS1000ARY16	415V/3~/50Hz	ZF34KQE-TFD-554	29.1	POE	3.37	22.0	25.0	100	2	2.5
CCLS1200ARY16	415V/3~/50Hz	ZF41KQE-TFD-564	35.3	POE	3.4	12.8	27	118	2	4.6
CCLS1400ARY16	415V/3~/50Hz	ZF49KQE-TFD-564	42.4	POE	3.4	14.9	28.3	139	2	4.6
CCHMS0400ARY16	415V/3~/50Hz	ZE55KME-TFM	8.19	POE	1.24	11	13.8	64	1	1
CCHMX0150AV16	230V/1~/50Hz	KSF16S2VFPC3	2.97	VG74	0.410	5.7	7.0	37	1	0.65
CCHMS0600ARY16	415V/3~/50Hz	ZP72KCE-TFD-52E	11.67	POE	1.774	15.0	17.5	75.0	1	2.75

Model	Coil Volume (Litre)	Condenser Airflow (m ³ /hr)	Accumulator Receiver Volume (Litre)	Connection		Dimensions			Weight (kg)
				Liquid (Inch)	Suction (Inch)	Height (mm)	Width (mm)	Depth (mm)	
CCMR0200ARY16	2	4050	3	3/8	5/8	700	1025	410	73
CCMR0300ARY16	2.6	4050	3	3/8	5/8	700	1025	410	76
CCMS0400ARY16	4.4	7450	4.5	1/2	7/8	930	1025	410	94
CCMS0600ARY16	5.6	7450	4.5	1/2	7/8	930	1025	410	107
CCMS0800ARY16	7.7	17698	12.6	5/8	1-1/8	930	1650	620	167
CCMS1000ARY16	7.7	17698	12.6	5/8	1-1/8	930	1650	620	167
CCMS1200ARY16	11.69	17698	20	5/8	1-1/8	930	1650	620	210
CCMS1400ARY16	11.69	17698	20	5/8	1-1/8	930	1650	620	210
CCLR0200ARY16	2.6	4050	3	3/8	5/8	700	1025	410	78
CCLR0300ARY16	3.9	4050	3	3/8	5/8	700	1025	410	86
CCLS0400ARY16	4.4	7450	4.5	1/2	7/8	930	1025	410	108
CCLS0600ARY16	4.4	8100	4.5	1/2	7/8	930	1025	410	112
CCLS0800ARY16	7.7	17698	12.6	5/8	1-1/8	930	1650	620	133
CCLS1000ARY16	7.73	17698	12.6	5/8	1-1/8	930	1650	620	172
CCLS1200ARY16	7.86	17698	20	5/8	1-1/8	930	1650	620	200
CCLS1400ARY16	11.69	17698	20	5/8	1-1/8	930	1650	620	220
CCHMS0400ARY16	3.4	7450	3.25	3/8	5/8	990	940	350	85
CCHMX0150AV16	1.76	3120	1.2	1/4	1/2	595	845	300	41
CCHMS0600ARY16	4.2	7475	4.5	1/2	7/8	930	1025	410	105

(b) Performance Data

Model	HP	Te		Cooling Capacity (Watts)			
		Ta		-10	-5	0	5
CCMR0200ARY16	2	38		3279	3978	4730	5587
CCMR0300ARY16	3	38		838	5805	6934	8159
CCMS0400ARY16	4	38		6472	7805	9342	11031
CCMS0600ARY16	6	38		8869	10589	12524	14642
CCMS0800ARY16	8	38		12150	15000	18300	22000
CCMS1000ARY16	10	38		16300	20000	24300	29200
CCMS1200ARY16	12	38		20900	25600	31100	37300
CCMS1400ARY16	14	38		23800	29600	36200	43800

Model	HP	Te		Power Consumption (Watts)			
		Ta		-10	-5	0	5
CCMR0200ARY16	2	38		1860	1900	1940	1979
CCMR0300ARY16	3	38		2930	2970	3020	3061
CCMS0400ARY16	4	38		3780	3830	3880	3929
CCMS0600ARY16	6	38		5700	5800	5950	6090
CCMS0800ARY16	8	38		7070	7090	7120	7130
CCMS1000ARY16	10	38		9000	9070	9130	9180
CCMS1200ARY16	12	38		13450	13550	13600	13650
CCMS1400ARY16	14	38		16000	16000	16050	16100

Model	HP	Te		Cooling Capacity (Watts)				
		Ta		-5	0	5	10	15
CCHMX0150AV16	1.5	38		2645	3800	4424	5465	6589
CCHMS0400ARY16	4	38		8680	10450	12450	14600	17000
CCHMS0600ARY16	6	38		10850	13150	15750	18750	-

Model	HP	Te		Power Consumption (Watts)				
		Ta		-5	0	5	10	15
CCHMX0150AV16	1.5	38		1148	1178	1208	1198	1168
CCHMS0400ARY16	4	38		3770	3800	3850	3890	3920
CCHMS0600ARY16	6	38		5260	5270	5270	5280	-

Model	HP	Te		Cooling Capacity (Watts)			
		Ta		-35	-30	-25	-20
CCLR0200ARY16	2	38		1247	1553	1914	2333
CCLR0300ARY16	3	38		1650	2048	2510	3042
CCLS0400ARY16	4	38		2446	3075	3816	4676
CCLS0600ARY16	6	38		3548	4408	5429	6558
CCLS0800ARY16	8	38		4289	5343	6525	7869
CCLS1000ARY16	10	38		5698	7031	8546	10288
CCLS1200ARY16	12	38		6800	8660	10900	13600
CCLS1400ARY16	14	38		7970	10200	12850	16050

Model	HP	Te		Power Consumption (Watts)			
		Ta		-35	-30	-25	-20
CCLR0200ARY16	2	38		1690	1780	1870	1980
CCLR0300ARY16	3	38		2080	2140	2230	2330
CCLS0400ARY16	4	38		2680	2790	2920	3050
CCLS0600ARY16	6	38		3860	4060	4280	4510
CCLS0800ARY16	8	38		4968	5318	5658	6008
CCLS1000ARY16	10	38		6528	7088	7648	8228
CCLS1200ARY16	12	38		8710	9180	9650	10120
CCLS1400ARY16	14	38		10220	10630	11100	11630

AIR COOLING UNIT

Product Features

- Can be used with refrigerants R404A, R134a, R507A and R410A
- DX evaporator coil, with shredder valve soldered into suction line for ease of superheat measurement
- GI casing with pre-coated paint and SS - 304 casing
- IP44 Axial fan with moisture-proof protected
- Heaters can be slotted for defrosting in medium temperature models also
- Pre-fixed wiring to fan motor



Medium Temperature (a) Specifications

Model		CRE1M400ASV16	CRE2M600ASV16	CRE3M600ASV16	CRE2M800ASV16	CRE3M800ASV16	CRE3M980ASV16	CRE2M1200ASY16	CRE2M1600ASY16	CRE2M2100ASY16	CREUM2100ASY16	CRE2M2800ASY16	CRU2M2800ASY16
Sound Pressure Level	dBA	67	68	72	68	72	70	75	75	75	75	75	75
General	Size (LxWxH) (mm/mm/mm)	745x560x515	1205x560x515	1665x560x515	1205x560x515	1665x560x515	1665x560x515	1665x560x715	1665x560x715	1665x560x715	2400x555x720	2400x555x720	
	Weight (kg)	35	52	56	61	59	67	77	87	93	94	155	155
	Room Temperature (°C)	0~15	0~15	0~15	0~15	0~15	0~15	0~15	0~15	0~15	0~15	0~15	0~15
	Refrigerant	R404A	R404A	R404A	R404A	R404A	R404A	R404A	R404A	R404A	R404A	R404A	R404A
	Power Supply	230V/1Ph/50Hz	230V/1Ph/50Hz	1 Phase 50Hz 230V	230V/1Ph/50Hz	1 Phase 50Hz 230V	230V/1Ph/50Hz	3 Phase 50Hz 415V	3 Phase 50Hz 415V	3 Phase 50Hz 415V	3 Phase 50Hz 415V	415V/3Ph/50Hz	415V/3Ph/50Hz
	Max Operating Pressure (Bar)	28	28	28	28	28	28	28	28	28	28	28	28
	Airflow (m³/h)	2350	4700	7050	4700	7050	7050	17150	16700	16200	16200	16200	16200
Fan	Air Throw (m)	10	13	15	13	15	15	19	19	19	19	18	18
	Fan Size (mm x Qty)	350x1	350x2	350 x 3	350x2	350 x 3	350x3	550 x 2	550 x 2	550 x 2	550 X 2	550x2	550x2
	Fan Speed (rpm)	1380	1380	1380	1380	1380	1380	1400	1400	1400	1400	1400	1400
	Running Current (A)	0.65	1.3	1.95	1.3	1.95	1.95	2.3	2.3	2.3	2.3	2.3	2.3
	Power Consumption (W)	140	280	420	280	420	420	1000	1000	1000	1000	1000	1000
	Outlet (mm)	12.7	15.88	19.05	22.22	22.22	22.22	22.22	28.56	28.56	22.22	34.92	34.92
	Inlet (mm)	12.7	12.7	12.7	15.88	12.7	15.88	12.7	15.9	15.9	12.7	15.88	15.88
Connection Pipe Size (OD)													

(b) Performance Data

Refrigerant		R404-A				
Model	Te	-10	-8	-5	0	5
CRE1M400ASV16		4.13	4.19	4.31	4.62	4.97
CRE2M600ASV16		6.29	6.37	6.55	7.1	7.61
CRE2M800ASV16		8.58	8.69	8.94	9.62	10.11
CRE3M600ASV16		5.9	6	6.3	6.7	7.4
CRE3M800ASV16		7.95	8	8.4	9	9.8
CRE3M980ASV16		10.49	10.63	10.92	11.62	12.10
CRE2M1200ASY16		11.6	12	12.5	13	14.1
CRE2M1600ASY16		15.5	16	16.6	17.5	18.9
CRE/U2M2100ASY16		20.4	21	21.9	23	31
CRE2M2800ASY16		29.1	30	31.2	32.7	35.3

High Medium Temperature

Model		CRE1HM150ASV16	CRE2HM800ASV16	CRE1H400ASV16	CRE2H1400ASY16	CRU2H2400ASY16	CRE3H900ASV16
Sound pressure level	dB(A)	68	70	72	75	75	72
General	Size L/W/H (mm/mm/mm)	1205 x 560 x 515	1665 x 560 x 515	745 x 560 x 515	1665 x 560 x 715	1665 x 560 x 715	1665 x 560 x 515
	Weight (kg)	35	61	28	74	84	56
	Room Temperature (°C)	0 ~ 20	0 ~ 20	0~20	0 ~20	0 ~ 20	0-20
	Refrigerant	R32	R32	R32	R410A	R32	R32
	Power Supply	230V/1Ph/50Hz	230V/1Ph/50Hz	230V/1Ph/50Hz	415V/3Ph/50Hz	415V/3Ph/50Hz	230V/1Ph/50Hz
	Max operating pressure (Bar)	42	42	42	42	42	42
	Airflow (m³/h)	2350	4700	2350	17150	16700	7050
Fan	Air throw (m)	10	13	10	19	19	15
	Fan Size	350 x 1	350 x 2	350 x 1	550 x 2	550 x 2	350 x 3
	Fan Speed	1380	1380	1380	1400	1400	1380
	Running current (A)	0.65	1.3	0.65	2.3	2.3	1.95
	Power Consumption (W)	140	280	140	1000	1000	420
	Outlet (mm)	15.88	22.22	12.7	22.22	19.04	19.05
	Inlet (mm)	12.7	15.88	9.52	12.7	12.7	12.7
Connection Pipe Size (OD)							

(c) High Medium Temperature Performance Data

Refrigerant		R-32					
Model	Te	-8	-5	0	5	10	15
CRE1HM150ASV16		3.58	3.85	4.14	4.36	4.58	4.81
CRE1H400ASV16		4	4.12	4.32	4.66	5.12	5.73
CRE2HM800ASV16		18.7	20.2	21.7	22.8	23.9	25
CRE3H900ASV16		13	13.4	14.6	15.76	17.33	19.4
CRU2H2400ASY16		24	24.72	25.95	28.02	30.82	34.51

*DT1 = 8K
*DT1 = Air inlet temperature (Ta) - Evaporating temperature at the outlet (Te)

Refrigerant		R-410A					
Model	Te	-8	-5	0	5	10	15
CRE2H1400ASY16		14	14.42	15.14	16.35	17.98	20.13

TD Correction Factor

Capacity at different TD can be calculated using the correction factor given in below table:

TD (K)	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0
Correction Factor	0.56	0.63	0.69	0.75	0.81	0.88	0.94	1.00	1.06	1.13	1.19	1.25



Low Temperature (a) Specifications

	Model	CREZL200ASV16	CREZL320ASV16	CREZL400ASV16	CREZL480ASV16	CREZL600ASV16	CREZL1400ASV16	CRUZL1400ASV16	CRUZL1800ASV16	CREZL650ASV16	CREZL1100ASV16	CREZL1300ASV16
Sound Pressure Level	dBA	67	68	68	70	70	75	75	75	75	75	75
General	Size (LxWxH) (mm)/mm	745x560x515	1205x560x515	1205x560x515	1665x560x515	1665x560x515	2400x555x720	2400x555x720	2400x555x720	1665 x 560 x 715	1665 x 560 x 715	1665 x 560 x 715
	Weight (kg)	35	52	61	67	78	140	140	155	83	95	105
	Room Temperature (°C)	-25~5	-25~5	-25~5	-25~5	-25~5	-25~5	-25~5	-25~5	-25~5	-25~5	-25~5
	Refrigerant	R404A	R404A	R404A	R404A	R404A	R404A	R404A	R404A	R404A	R404A	R404A
	Power Supply	230V/1Ph/50Hz	230V/1Ph/50Hz	230V/1Ph/50Hz	230V/1Ph/50Hz	230V/1Ph/50Hz	415V/3Ph/50Hz	415V/3Ph/50Hz	415V/3Ph/50Hz	415V/3Ph/50Hz	415V/3Ph/50Hz	415V/3Ph/50Hz
Fan	Max Operating Pressure (Bar)	28	28	28	28	28	28	28	28	28	28	28
	Airflow (m³/h)	2350	4700	4700	7050	7050	16975	16975	16550	17375	16975	16550
	Air Throw (m)	10	13	13	15	15	18	18	18	19	19	19
	Fan Size (mmxQty)	350x1	350x2	350x2	350x3	350x3	550x2	550x2	550x2	550 x 2	550 x 2	550 x 2
	Fan Speed (rpm)	1380	1380	1380	1380	1380	1400	1400	1400	1400	1400	1400
	Running Current (A)	0.65	1.30	1.30	1.95	1.95	2.3	2.3	2.3	2.3	2.3	2.3
	Power (W)	140	280	280	420	420	1000	1000	1000	1000	1000	1000
	Power (W) x Qty	600x3	800x3	800x3	1200x3	1200x3	1000x5	1000x5	1000x7	-	-	-
Heater	Total Power Consumption(W)	1800	2400	2400	3600	3600	5000	5000	7000	-	-	-
Connection Pipe Size (OD)	Outlet (mm)	15.88	15.88	22.22	22.22	28.56	28.56	28.56	34.92	28.56	28.56	28.56
	Inlet (mm)	12.7	12.7	12.7	12.7	15.88	15.88	12.7	15.88	15.88	15.88	15.88

(b) Performance Data

Refrigerant		R404-A				
Model	Te	-40	-35	-30	-25	-20
CREIL200ASV16		1.62	1.8	1.99	2.18	2.36
CRE2L320ASV16		2.4	2.76	3.12	3.48	3.84
CRE2L400ASV16		2.98	3.44	3.9	4.36	4.81
CRE3L480ASV16		3.56	4.12	4.67	5.23	5.78
CRE3L600ASV16		4.41	5.12	5.83	6.54	7.24
CRE2L650ASY16		4.5	5.2	5.8	6.5	7.1
CRE2L1100ASY16		7.7	8.9	9.9	11	12.1
CRE2L1300ASY16		8.6	9.8	10.9	13	13.2
CRE2L1400ASY16		10.5	12.1	13.5	15	16.5
CRU2L1800ASY16		13.9	16.2	18	20	22

*DT1 = 7K

*DT1 = Air inlet temperature (Ta) - Evaporating temperature at the outlet (Te)

TD Correction Factor

TD (K)	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5
Correction Factor	0.64	0.71	0.79	0.86	0.93	1.00	1.07	1.14	1.21	1.29	1.36



Notes