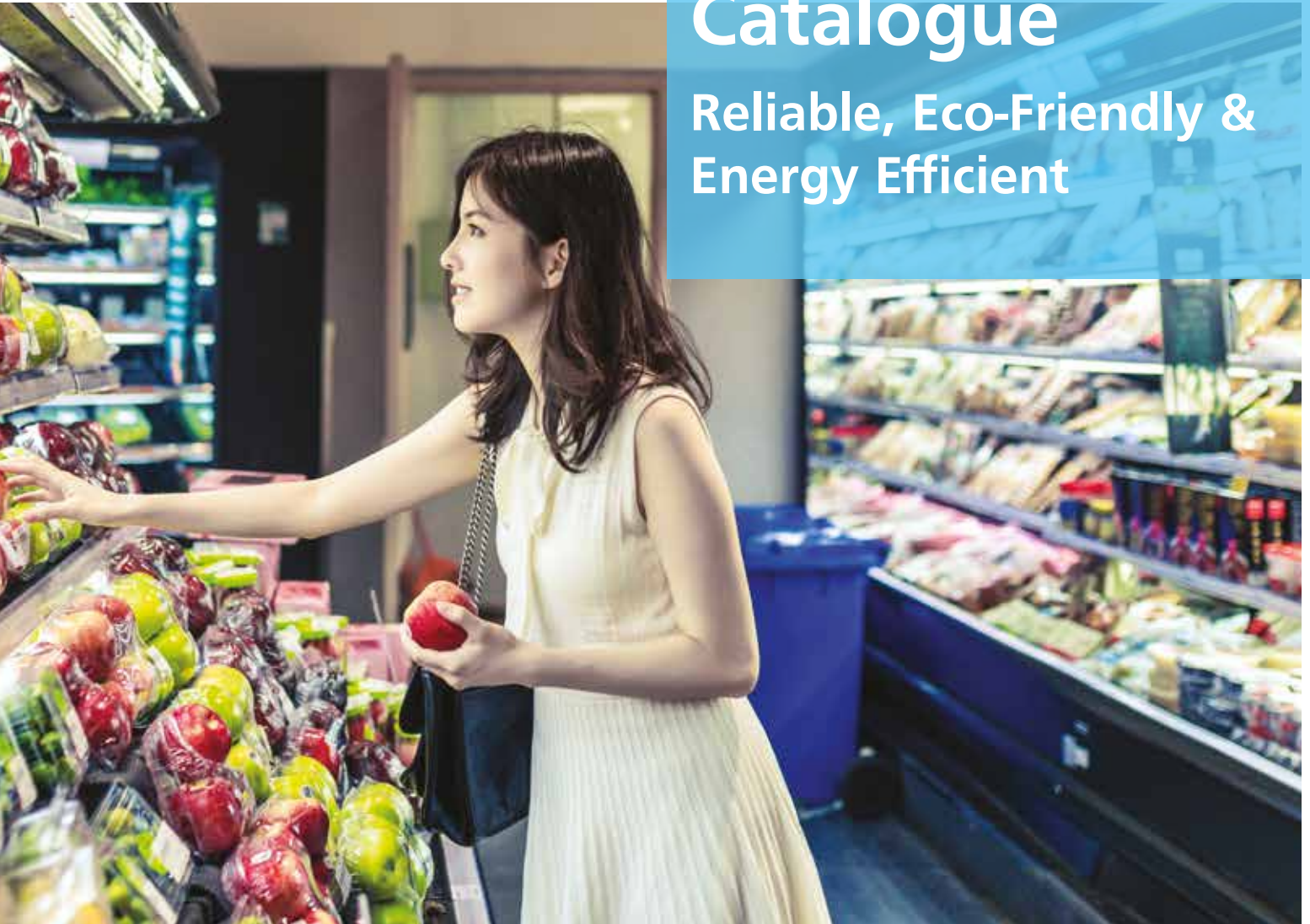


Cold Room Catalogue

Reliable, Eco-Friendly &
Energy Efficient



COLD ROOM UNITS

INDEX ---

- ▶ ABOUT COMMERCIAL
CONDENSING UNITS-----1-4
 - ▶ Scroll & Reciprocating Unit Features----- 2
 - ▶ Condensing Unit Specifications-----3-4

- ▶ ABOUT AIR COOLING UNIT -----5-7
 - ▶ Cooling Unit Features----- 5
 - ▶ Cooling Unit Specifications-----6-7



COMMERCIAL CONDENSING 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

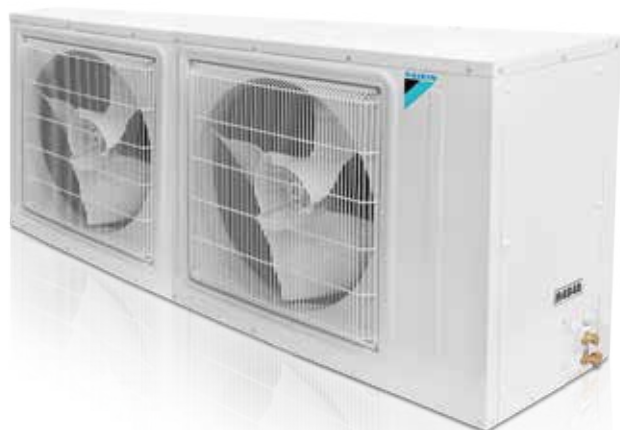
On all models

- 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								
	Power Input	Type	Swept Volume (m ³ /hr)	Oil Type	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
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	54.5	1	2.75
CCLS0600ARY16	415V/3~/50Hz	ZF18K4E-TFD	17.1	POE	1.90	10.5	12.5	74	1	3.7
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
CCHMS0400ARY16	415V/3~/50Hz	ZE55KME-TFM	8.3	POE	1.24	11.0	13.8	64	1	1
CCMX0150AV16	230V/1~/50Hz	KSF16S2VFPC3	2.97	VG74	0.410	5.7	7.0	37	1	0.65

Model	Coil Volume (Litre)	Condenser Airflow (m ² /hr)	Accumulator/Receiver Volume (Litre)	Connection		Dimensions			Weight (kg)	Sound Pressure dBA at 1m***
				Liquid (Inch)	Suction (Inch)	Height (mm)	Width (mm)	Depth (mm)		
CCMR0200ARY16	2.0	4050	3.0	3/8	5/8	700	1025	410	73	62
CCMR0300ARY16	2.6	4050	3.0	3/8	5/8	700	1025	410	76	67
CCMS0400ARY16	4.4	7450	4.5	1/2	7/8	930	1025	410	94	71
CCMS0600ARY16	5.6	7450	4.5	1/2	7/8	930	1025	410	107	71
CCMS0800ARY16	7.7	17698	12.6	5/8	1-1/8	930	1650	620	167	73
CCMS1000ARY16	7.7	17698	12.6	5/8	1-1/8	930	1650	620	167	72
CCLR0200ARY16	2.6	4050	3.0	3/8	5/8	700	1025	410	78	68
CCLR0300ARY16	3.9	4050	3.0	3/8	5/8	700	1025	410	86	66
CCLS0400ARY16	4.4	7450	4.5	1/2	7/8	930	1025	410	108	71
CCLS0600ARY16	4.4	8100	4.5	1/2	7/8	930	1025	410	112	72
CCLS0800ARY16	7.7	17698	12.6	5/8	1-1/8	930	1650	620	133	72
CCLS1000ARY16	7.7	17698	12.6	5/8	1-1/8	930	1650	620	172	72
CCHMS0400ARY16	3.4	7450	3.25	3/8	5/8	990	940	350	85	61
CCHMX0150AV16	1.76	3120	1.2	1/4	1/2	595	845	300	41	56



(b) Performance Data

Model	HP	Te		Cooling Capacity (Watts)			
		Ta	-10	-5	0	5	
CCMR0200ARY16	2	38	3279	3978	4730	5587	
CCMR0300ARY16	3	38	4838	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	

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	

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	

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	

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	

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	



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	CRE2M800ASV16	CRE3M980ASV16	CRE3M1400ASV16	CRE2M1700ASV16	CRE2M2200ASV16	CRE2M2800ASV16	CRU2M1700ASV16	CRU2M2200ASV16	CRU2M2800ASV16
Sound Pressure Level	dBa	67	68	68	70	70	75	75	75	75	75	75
General	Size (LxWxH) (mm/mm/mm)	745x560x515	1205x560x515	1205x560x515	1665x560x515	1665x560x515	2400x555x720	2400x555x720	2400x555x720	2400x555x720	2400x555x720	2400x555x720
	Weight (kg)	35	52	61	67	78	119	140	155	119	140	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
	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
Max Operating Pressure (Bar)	28	28	28	28	28	28	28	28	28	28	28	28
Fan	Airflow (m³/h)	2350	4700	4700	7050	7050	17150	16700	16200	17150	16700	16200
	Air Throw (m)	10	13	13	15	15	19	18	18	19	18	18
	Fan Size (mmxQty)	350x1	350x2	350x2	350x3	350x3	550x2	550x2	550x2	550x2	550x2	550x2
	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 Consumption (W)	140	280	280	420	420	1000	1000	1000	1000	1000	1000
Connection Pipe Size (OD)	Outlet (mm)	12.7	15.88	22.22	22.22	28.56	28.56	28.56	34.92	28.56	28.56	34.92
	Inlet (mm)	12.7	12.7	15.88	15.88	15.88	15.88	15.88	15.88	12.7	12.7	15.88

(b) Performance Data

Refrigerant		R404A				
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	7.10	7.61
CRE2M800ASV16		8.58	8.69	8.94	9.62	10.11
CRE3M980ASV16		10.49	10.63	10.92	11.62	12.10
CRE3M1400ASV16		15.12	15.40	15.75	16.57	17.09
CRE2M1700ASV16		17.4	18	18.7	19.6	21.2
CRE2M2200ASV16		23.2	24	25.1	26.2	28.3
CRE2M2800ASV16		29.1	30	31.2	32.7	35.3

*DT1 = 8K

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

Refer same data for double circuit models (CRU series) also.

(c) High Medium Temperature Performance Data

Refrigerant		R32					
Model	Te	-8	-5	0	5	10	15
CRE1HM150ASV16		3.58	3.85	4.14	4.36	4.58	4.81
CRE2HM800ASV16		18.7	20.2	21.7	22.8	23.9	25

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		CRE11200ASV16	CRE2L320ASV16	CRE2L400ASV16	CRE3L480ASV16	CRE3L600ASV16	CRE2L0900ASY16	CRE2L1400ASY16	CRE2L1800ASY16	CRU2L0900ASY16	CRU2L1400ASY16	CRU2L1800ASY16
Sound Pressure Level	dB(A)	67	68	68	70	70	75	75	75	75	75	75
General	Size (LxWxH) (mm/mm/mm)	745x560x515	1205x560x515	1205x560x515	1665x560x515	1665x560x515	2400x555x720	2400x555x720	2400x555x720	2400x555x720	2400x555x720	2400x555x720
	Weight (kg)	35	52	61	67	78	119	140	155	119	140	155
	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
Max Operating Pressure (Bar)	28	28	28	28	28	28	28	28	28	28	28	
Fan	Airflow (m³/h)	2350	4700	4700	7050	7050	17375	16975	16550	17375	16975	16550
	Air Throw (m)	10	13	13	15	15	19	18	18	19	18	18
	Fan Size (mmxQty)	350x1	350x2	350x2	350x3	350x3	550x2	550x2	550x2	550x2	550x2	550x2
	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
Heater	Power (W) x Qty	600x3	800x3	800x3	1200x3	1200x3	1000x5	1000x5	1000x7	1000x5	1000x5	1000x7
	Total Power Consumption(W)	1800	2400	2400	3600	3600	5000	5000	7000	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	34.92
	Inlet (mm)	12.7	12.7	12.7	12.7	15.88	15.88	15.88	15.88	12.7	12.7	15.88

(b) Performance Data

Refrigerant		R404A				
Model	Te	-40	-35	-30	-25	-20
CRE11200ASV16		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
CRE2L0900ASY16		6.9	8.1	9	10	11
CRE2L1400ASY16		10.5	12.1	13.5	15	16.5
CRE2L1800ASY16		13.9	16.2	18	20	22

*DT1 = 7K

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

Refer same data for double circuit models (CRU series) also.

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





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

SALES & SERVICE OFFICES

Ahmedabad	: Tel: 079-40013100	Kolkata	: Tel: 033-40608019/40659544
Bengaluru	: Tel: 080-25722337/25722338	Lucknow	: Tel: 0522-4309858/59/60
Bhubaneswar	: Tel: 0674-2554677	Ludhiana	: Tel: 0161-5011122
Chandigarh	: Tel: 0172-4947200/30	Mumbai	: Tel: 022-62321666
Chennai	: Tel: 044-40807676	Patna	: Tel: 0612-2582282
Cochin	: Tel: 0484-4038646	Pune	: Tel: 020-25560300
Delhi	: Tel: 011-43834400/5500	Raipur	: Tel: 0771-4911225
Ghaziabad	: Tel: 0120-4205851	Secunderabad	: Tel: 040-49134283
Indore	: Tel: 0731-4005864	Vijayawada	: Tel: 0866-295222624
Jaipur	: Tel: 0141-2218903/04/05/06		

Say "Hi" at 987 140 9300

Customer Support No.: 011-40319300/1860 180 3900

Email: customerservice@daikinindia.com

Visit us at: www.daikinindia.com

Follow us on:

www.facebook.com/daikinindia

www.twitter.com/daikinindia

in.company/daikin-airconditioning-india-pvt.-ltd

www.instagram.com/daikinindia

www.youtube.com/user/DaikinACIndia

- The specifications, designs and information in this brochure are subject to change without notice.

As a continuing policy of product innovation at Daikin, the design and specifications are subject to change without prior notice. The visuals of the products in the catalogue are representative only, actual products might differ from the ones shown. Sales revenue includes revenue through sales of all Daikin Airconditioning Systems.



"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."