

A DIVISION OF

Carrier

Midea

CARRIER MIDEA INDIA



EXPERIENCE RELIABILITY

CAMIPRO  [®]
Solutions Spares & More




About us

As a trusted leader in the HVAC industry, CMI understands the importance of keeping your systems functioning optimally. We are proud to introduce Camipro, our spares & solutions brand, dedicated to providing solutions for enhanced HVAC system performance and longevity.

Camipro offers a comprehensive range of spares & solutions ensuring easy access to the components required for efficient functioning of HVAC systems. Designed for simple installation and replacement, our reliable spare parts ensure uninterrupted operation, making maintenance hassle-free and convenient.

At Carrier Midea India, our expertise and quality are our cornerstones. With Camipro spares & solutions, you can trust in our commitment to excellence. Our core values of innovation and customer satisfaction drive us to deliver the highest standards of service and support.



Pancake Copper Tubes >

Soft Copper Tubing

- Eddie current tested
- High-purity
- ROHS compliant
- Pancake rolls of 50 feet each, sizes available as per weight chart (Refer page no. 8)



Pancake Copper Tubes (VRV/VRF) >

Soft Copper Tubing (Suitable for VRV/VRF)

- Specially Designed for VRV/VRF systems
- High Quality
- ROHS compliant
- Eddie current tested
- Pancake rolls of 50 feet each sizes available as per weight chart (Refer page no. 8)



Straight Copper Tubes (Suitable for VRV/VRF) >

Hard Copper Tubes (Suitable for VRV/VRF)

- Specially designed for VRV/VRF systems
- Eddie current tested
- High-Purity
- Straight tubes of 10 feet length each, sizes available as per weight chart (Refer page no. 9)



Copper Installation Kit

- 3 meter copper tube with 9mm nitrile rubber installation
- High-quality
- Easy installation with flare nuts at both ends
- Suitable for RAC range from 1 ton upto 2 tons



Refrigerant >

Refrigerant

- High-purity from reputed manufacturers
- High-quality material
- Available in small & big cylinders
- Available variants R22, R32 & R410A



Compressors

Rotary Compressor (Fixed Speed)

- Various models suitable for R22, R32 & R410A
- Reliable performance
- Capacity 1 ton up to 4 tons
- 1 year warranty
- Genuine quality from renowned manufacturers



Rotary Compressor (Inverter)

- Suitable for R410A & R32
- Energy-efficient
- Low noise & vibration
- Adaptive cooling capacity
- 1 year warranty
- Suitable for RAC & LC range from 1 ton up to 5.5 tons



Scroll Compressor (Fixed Speed)

- Range suitable for R22, R410A & R32
- Energy-efficient
- Reliable operation
- Genuine quality for renowned manufacturer



Scroll Compressor (Inverter)

- Range suitable for R410A & R32
- Variable speed
- Energy-efficient
- Low noise & vibration
- Genuine quality for renowned manufacturer



FHP Compressors

- Range suitable for R134A
- Reliable performance
- Suitable for Refrigerators
- 1 year warranty





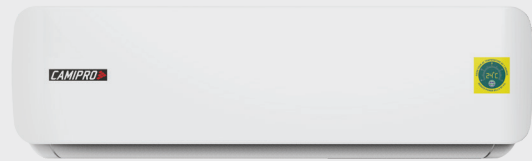
Camipro Premium

- Suitable for retrofit jobs
- Compatible with R22, R32, R410A fixed speed ODUs of 1 ton, 1.5 ton & 2 ton
- 1 year warranty
- Self clean technology for longevity
- Hidden display



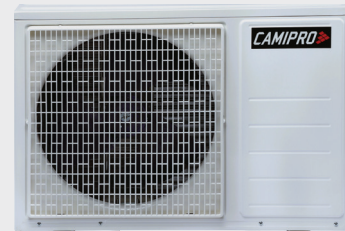
Camipro Fighter

- Suitable for retrofit jobs
- Compatible with R22, R32, R410A fixed speed ODUs of 1.5 ton
- 1 year warranty
- Self-clean technology for longevity
- Hidden display



Camipro Premium

- Available in R22 & R32 refrigerant
- Suitable for retrofit jobs
- 1 year warranty
- Refrigerant charged with GMCC compressor



Stabilisers for Refrigerator/Deep Freezer

- Surge protection
- Energy-efficient
- Wide voltage range
- Micro controller based digital display
- 3 year warranty



Stabilisers for AC

- Surge protection
- Micro controller based digital display
- 3 year warranty
- Certain models are without digital display, please refer to the spec chart



Stabilisers for Televisions

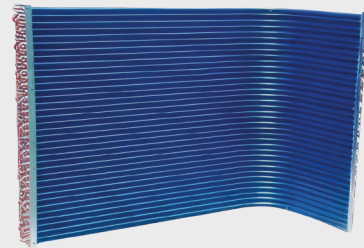
- Wide application
- Compact design
- Multiple socket options
- Micro controller-based digital display
- 3 year warranty
- Surge protection



Premium Quality Condenser Coil

Rotary Compressor (Fixed Speed)

- Made from high quality IGT tubes
- 20x29 L type
- Hydrophobic coating
- Fin thickness - 0.095mm, FPI - 11



Gas Cans

Butane

- High-purity
- 225gm cans in a burst proof design
- Economical/Pocket-friendly



R134A

- Wide application (automotive & residential)
- High-purity
- 450gm with single piece cans



R600A

- Environment-friendly
- Genuine quality
- 170gm/200gm cans with 2 piece cans



R290

- High-performance
- Genuine quality
- Guaranteed purity



Hydrocarbon

- Genuine quality
- Guaranteed purity
- Economical/Pocket-friendly



Accessories

ODU Installation Bracket

- Strong and durable
- Ergonomic design
- All weather resistance
- Compatibility with different air conditioners outdoor units
- Comes with set of high quality fasteners
- Available in 19 and 21 inch length



ATM Timer

- Control switching between 2 ACs
- 4 hours & 8 hours scheduling options
- Easy-to-use interface
- 6 months warranty



Copper Fitting

- Standard size thickness
- High-purity
- Wide range



Rubber Pads for AC ODUs

- Vibration dampening
- Weather-resistant
- Ergonomic design
- Easy to install



Tools

Double Gauge Manifold

- Exceptional accuracy
- High-quality material
- Ergonomic
- User friendly interface



Vacuum Pump

- Double stage
- 1.8, 6, 12 CFM capacity
- 1 year warranty
- With complimentary synthetic coil for initial usage
- Easy cleaning & upkeep



Tool Bag

- Spacious with multiple pockets for carrying tools & spares
- Heavy duty
- Ergonomic design
- Easy to carry by hand or as backpack



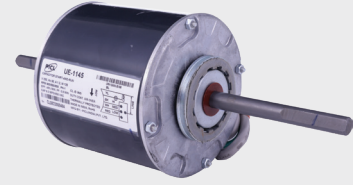
Pressure Washer

- Optimal power consumption
- Durable
- 6 months spares support
- Pressure adjustable, flow adjustable
- Outlet pipe length - 8 meters



Indoor and Outdoor Motor

- Wide capability for Air Conditioners from 1 ton upto 17 tons
- Genuine quality from renowned manufacturers
- Durable
- Various model options



Valves

- Wide compatibility
- Precise control
- High-quality material from renowned manufacturers
- Easy installation



Capacitor

- BIS compliant
- Rigorous quality control
- High operating temperatures
- 1 year warranty



Blower

- Wide compatibility
- Low noise & vibration
- Strength and durability



Fan

- Wide compatibility
- Strength and durability
- Low noise & vibration



Filter Drier

- Wide compatibility
- High-grade desiccant



CAMIPRO SOFT COPPER TUBES WEIGHT CHART

Item Code	Length	Length	Weight per coil in Kg	Coils per box	Weight per box in Kg
	(meter)	(feet)	(Approx)		(Approx)
Copper Tubing - 3/16* (4.76 mm) Thickness 0.42 mm	15.24	50	0.78	20	15.61
Copper Tubing - 5/16* (7.94 mm) Thickness.58 mm	15.24	50	1.83	10	18.28
Copper Tubing - 1/4* (6.35 mm) Thickness 0.48 mm	15.24	50	1.21	15	18.1
Copper Tubing - 1/4* (6.35 mm) Thickness 0.58 mm	15.24	50	1.43	12	17.2
Copper Tubing - 3/8* (9.53 mm) Thickness 0.58 mm	15.24	50	2.22	8	17.76
Copper Tubing - 1/2' (12.7 mm) Thickness 0.58 mm	15.24	50	3.01	7	21.07
Copper Tubing - 1/2* (12.7 mm) Thickness 0.64 mm	15.24	50	3.31	7	23.14
Copper Tubing - 5/8* (15.88 mm) Thickness 0.64 mm	15.24	50	4.18	5	20.88
Copper Tubing - 3/4' (19.05 mm) Thickness 0.69 mm	15.24	50	5.5	4	22
Copper Tubing - 1/4° (6.35 mm) Thickness 0.8 mm	15.24	50	1.9	12	22.82
Copper Tubing - 3/8* (9.53 mm) Thickness 0.8 mm	15.24	50	2.99	8	23.9
Copper Tubing - 1/2' (12.7 mm) Thickness 0.8 mm	15.24	50	4.08	7	28.54
Copper Tubing - 5/8' (15.88 mm) Thickness 0.8 mm	15.24	50	5.2	5	26
Copper Tubing - 5/8* (15.88 mm) Thickness 1 mm	15.24	50	6.37	5	31.86
Copper Tubing - 3/4' (19.05 mm) Thickness 0.8 mm	15.24	50	6.25	4	25.01
Copper Tubing - 3/4" (19.05 mm) Thickness 1 mm	15.24	50	7.70	4	30.8
Copper Tubing - 7/8' (22.23 mm) Thickness 0.8 mm	15.24	50	7.43	4	29.7
Copper Tubing - 7/8' (22.23 mm) Thickness 1.0 mm	15.24	50	9.09	4	36.37

CAMIPRO STRAIGHT COPPER TUBES WEIGHT CHART

Description	Pipe OD in mm	Per meter weight in Kg	No of pipes in a bundle	Bundle weight in Kg	Length of each pipe in Feet
Hard Copper Straight Pipe - 1/4" 21 Gauge	6.4	0.121	100	36.8808	10
Hard Copper Straight Pipe - 3/8" 21 Gauge	9.5	0.194	60	35.47872	10
Hard Copper Straight Pipe - 1/2" 21 Gauge	12.7	0.260	50	39.624	10
Hard Copper Straight Pipe - 5/8" 19 Gauge	15.9	0.410	30	37.490	10
Hard Copper Straight Pipe - 5/8" 21 Gauge	15.9	0.339	30	30.99816	10
Hard Copper Straight Pipe - 3/4" 19 Gauge	19.1	0.495	25	37.719	10
Hard Copper Straight Pipe - 3/4" 21 Gauge	19.1	0.41	25	31.242	10
Hard Copper Straight Pipe - 7/8" 19 Gauge	22.2	0.59	20	35.9664	10
Hard Copper Straight Pipe - 7/8" 21 Gauge	22.2	0.49	20	29.8704	10
Hard Copper Straight Pipe - 1" 20 Gauge	25.4	0.6	18	32.9184	10
Hard Copper Straight Pipe - 1" 19 Gauge	25.4	0.679	18	37.252656	10
Hard Copper Straight Pipe - 1,1/8" 19 Gauge	28.6	0.787	16	38.380416	10
Hard Copper Straight Pipe - 1,1/4" 18.5 Gauge	31.8	0.95	14	40.5384	10
Hard Copper Straight Pipe - 1,3/8" 18 Gauge	34.9	1.15	10	35.052	10
Hard Copper Straight Pipe - 1,1/2" 17.5 Gauge	38.1	1.34	8	32.67456	10
Hard Copper Straight Pipe - 1,5/8" 17 Gauge	41.3	1.6	8	39.0144	10

Stabiliser

Stabiliser Model Name	Suitable For	Voltage Boost	Digital Display Available	Wall Mountable	High & Low Cutoff	Warranty Period	Package Dimensions
1.0KVA (130V-260V)	Refrigerator/Deep Freezer	60V	Yes	Yes	Yes	3 Years, on-site	28x21x14 (cm)
3.0KVA (110V-270V)	1 ton AC	90V	Yes	Yes	Yes	3 Years, on-site	38x28x15 (cm)
3.0KVA (140V-270V)	1 ton AC	55V	Yes	Yes	N.A.	3 Years, on-site	30x20x10 (cm)
4.0KVA (90V-280V)	1.5 ton AC	110V	Yes	Yes	Yes	3 Years, on-site	38x28x15 (cm)
4.0KVA (130V-270V)	1.5 ton AC	55V	Yes	Yes	N.A.	3 Years, on-site	30x20x10 (cm)
4.0KVA (170V-260V)	1.5 ton AC	30V	Yes	Yes	N.A.	3 Years, on-site	28x21x14 (cm)
4.0KVA (170V-260V) w/o display	1.5 ton AC	30V	No	No	Yes	3 Years, on-site	28x21x14 (cm)
5.0KVA (90V-280V)	2 Ton from AC	110V	Yes	Yes	Yes	3 Years, on-site	38x28x15 (cm)
5.0KVA (130V-270V)	2 Ton from AC	55V	Yes	Yes	N.A.	3 Years, on-site	30x20x10 (cm)
5.0KVA (170V-260V)	2 Ton from AC	30V	Yes	Yes	N.A.	3 Years, on-site	28x21x14 (cm)
5.0KVA (170V-260V) w/o display	2 Ton from AC	30V	No	Yes	N.A.	3 Years, on-site	28x21x14 (cm)

IDU

Model Name	Power Output of Motor	Unit Dimension (W*D*H)	Packing (W*D*H)	No. of Rows x No. of HP (in Evaporator Coil)
12K Fixed Speed IDU	20W	815X270X215 (mm)	912x330x282 (mm)	IGT 7mm, 2R, 10HP 18 FPI with Hydrophobic coating
18K Fixed Speed IDU	35W	920X315X235 (mm)	1022x380x302 (mm)	IGT 7mm, 2R, 14HP 18 FPI with Hydrophobic coating
18K Fixed Speed IDU (Fighter)	15W	880X230X270 (mm)	910X330X270 (mm)	IGT 7mm, 3R, 14HP 18 FPI with Hydrophobic coating
24K Fixed Speed IDU	30W	1000X295X230 (mm)	1100X352X287 (mm)	IGT 7mm, 2R, 17HP 19 FPI with Hydrophobic coating

ODU

Name	Cooling Capacity	Power Supply	AMP	Input Power	REF/QTY	Condensor Coil Type	Compressor Make	Gross DIM (W x H x D)	Warranty
12K CAMIPRO OUTDOOR UNIT	3518 W	230V -50Hz -1PH	5.0 A	1050 W	R22/720 (gm)	IGT (Copper, Φ 5mm)	GMCC	91 x 58.5 x 33.5 (cm)	1 Year
18K CAMIPRO OUTDOOR UNIT	5132 W	230V-50Hz-1PH	7.5A	1600 W	R22/1100 (gm)	IGT (Copper, Φ 5mm)	GMCC	91 x 58.5 x 33.5 (cm)	1 Year
24K CAMIPRO OUTDOOR UNIT	6750 W	230V -50Hz -1PH	9.5 A	1900 W	R22/1050 (gm)	IGT (Copper, Φ 5mm)	GMCC	91 x 58.5 x 33.5 (cm)	1 Year
18K CAMIPRO R32 OUTDOOR UNIT	5276 W	230V -50Hz -1PH	7.0A	1522 W	R32/620 (gm)	IGT (Copper, Φ 5mm)	GMCC	91 x 58.5 x 33.5 (cm)	1 Year
24K CAMIPRO R32 OUTDOOR UNIT	6750 W	230V -50Hz -1PH	9.5A	1900 W	R32/920 (gm)	IGT (Copper, Φ 5mm)	GMCC	96.5 x 75.5 x 39.5 (cm)	1 Year

Refrigerator Compressors

Compressor Model	Refrigerant	Cooling Capacity		COP
		Watts	BTU	
SE40E1tK-9	R134a	108	368	1.25
SE50E1H	R134a	150	512	1.38
PE65H1H-9	R134a	190	648	1.55
PE75H1H-9	R134a	218	743	1.45
PE90H1F-9	R134a	275	938	1.5

AC Compressors

Compressor Models	Make	Capacity	Ref.	Design Type	Compressor Type	Warranty Period
ASG230	GMCC	2	R410	Rotary Compressor	Fixed Speed	1 Year
ASG190	GMCC	1.5	R410A	Rotary Compressor	Fixed Speed	1 Year
ASG230	GMCC	2	R410A	Rotary Compressor	Fixed Speed	1 Year
ASH239	Highly	2	R410	Rotary Compressor	Fixed Speed	1 Year
ASL133	Highly	1	R410	Rotary Compressor	Fixed Speed	1 Year
ASL198	Highly	1.5	R410	Rotary Compressor	Fixed Speed	1 Year
ASM125	GMCC	1	R410	Rotary Compressor	Fixed Speed	1 Year
ASN108	GMCC	1	R410	Rotary Compressor	Inverter	Not Applicable
DA130	GMCC	1.5	R410	Rotary Compressor	Inverter	Not Applicable
E405DHD	Hitachi	3.3	R410A	Scroll Compressor	Inverter	Not Applicable
E655DH	Hitachi	6	R410A	Scroll Compressor	Fixed Speed	Not Applicable
E705DHD	Hitachi	6.6	R410A	Scroll Compressor	Inverter	Not Applicable
GSG116UY	Highly	1	R32	Rotary Compressor	Fixed Speed	1 Year
GSH179TV	Highly	1.5	R32	Rotary Compressor	Fixed Speed	1 Year
GSH218UY	Highly	2	R32	Rotary Compressor	Fixed Speed	1 Year
HCI106	Danfoss	8.5	R410A	Scroll Compressor	Fixed Speed	Not Applicable
HLJ072	Danfoss	5.5	R410A	Scroll Compressor	Fixed Speed	Not Applicable
HLJ083	Danfoss	6	R410A	Scroll Compressor	Fixed Speed	Not Applicable
HSM190	GMCC	1	R22	Rotary Compressor	Fixed Speed	1 Year
KSF170	GMCC	1.5	R32	Rotary Compressor	Fixed Speed	1 Year
KSF195	GMCC	2	R32	Rotary Compressor	Fixed Speed	1 Year
KSK89D29	GMCC	1	R32	Rotary Compressor	Inverter	Not Applicable
KSK89D35	GMCC	1	R32	Rotary Compressor	Inverter	Not Applicable
KSM120	GMCC	1	R32	Rotary Compressor	Fixed Speed	1 Year
KSN108	GMCC	1.5	R32	Rotary Compressor	Inverter	Not Applicable
KSN133	GMCC	1.5	R32	Rotary Compressor	Inverter	Not Applicable
KTNI30	GMCC	1.5	R32	Rotary Compressor	Inverter	Not Applicable
KTQ375	GMCC	3	R32	Rotary Compressor	Fixed Speed	1 Year
KTQ480	GMCC	4	R32	Rotary Compressor	Fixed Speed	1 Year
LNB42FSAMC	Mitsubishi	4	R410A	Scroll Compressor	Inverter	Not Applicable
LNB53FMKMC-L	Mitsubishi	4.8	R410A	Scroll Compressor	Inverter	Not Applicable
LNB65FAGMC	Mitsubishi	9.3	R410A	Scroll Compressor	Inverter	Not Applicable
PH160	GMCC	0.8	R22	Rotary Compressor	Fixed Speed	1 Year
PH290	GMCC	1.5	R22	Rotary Compressor	Fixed Speed	1 Year
PH370	GMCC	2	R22	Rotary Compressor	Fixed Speed	1 Year
PH400	GMCC	2	R22	Rotary Compressor	Fixed Speed	1 Year
SG192UY	Highly	1	R22	Rotary Compressor	Fixed Speed	1 Year
SH295RY	Highly	1.5	R22	Rotary Compressor	Fixed Speed	1 Year
SH295RY	Highly	1.5	R22	Rotary Compressor	Fixed Speed	1 Year
SH315MV	Highly	1.5	R22	Rotary Compressor	Fixed Speed	1 Year
SH380RY	Highly	2	R22	Rotary Compressor	Fixed Speed	1 Year
TE800RC3Q9JK	Hitachi	4	R22	Rotary Compressor	Fixed Speed	1 Year
TNB306FPNMC-L	Mitsubishi	3	R410A	Scroll Compressor	Inverter	Not Applicable
ZP36KUE	Emerson	3	R410A	Scroll Compressor	Fixed Speed	Not Applicable
ZP49KUE	Emerson	3	R410A	Scroll Compressor	Fixed Speed	Not Applicable
ZP61	Emerson	4	R410A	Scroll Compressor	Fixed Speed	Not Applicable
ZR108K	Emerson	8.5	R22	Scroll Compressor	Fixed Speed	Not Applicable
ZR36K3	Emerson	3	R22	Scroll Compressor	Fixed Speed	Not Applicable
ZR48K3	Emerson	3	R22	Scroll Compressor	Fixed Speed	Not Applicable
ZR61KE	Emerson	4.2	R22	Scroll Compressor	Fixed Speed	Not Applicable
ZR72KC	Emerson	5.5	R22	Scroll Compressor	Fixed Speed	Not Applicable



Carrier Midea India Pvt. Ltd.

CIN: U74140HR2011FTC044006 Corporate Office: 1 st Floor, Pearl Tower Plot No. 51, Institutional Area,
Sector 32 Gurgaon- 122001, Haryana. Ph:- 0124 6144300

New Factory Address: Plot No. A-5, SUPA-PARNER Industrial Area, Ahmednagar, Maharashtra, 414301

www.carriermidea.com

In case of any suggestion or concern, Please contact:

E Mail: camipro@carriermidea.com

Twitter: [@carriermideaind](https://twitter.com/carriermideaind) LinkedIn: **Carrier Midea India**

Toll Free: **1800 103 3333, 1800 419 3333**

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