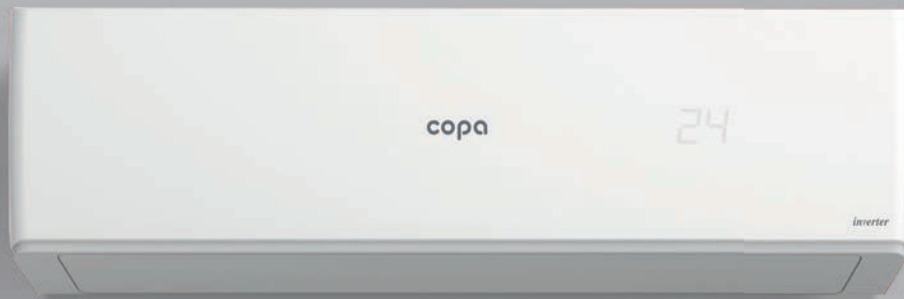


copa

air conditioner
catalogue

**Maximum
Efficiency with
Environmentally
Friendly
Technology**



Customer Service

 **444 2672**
copa

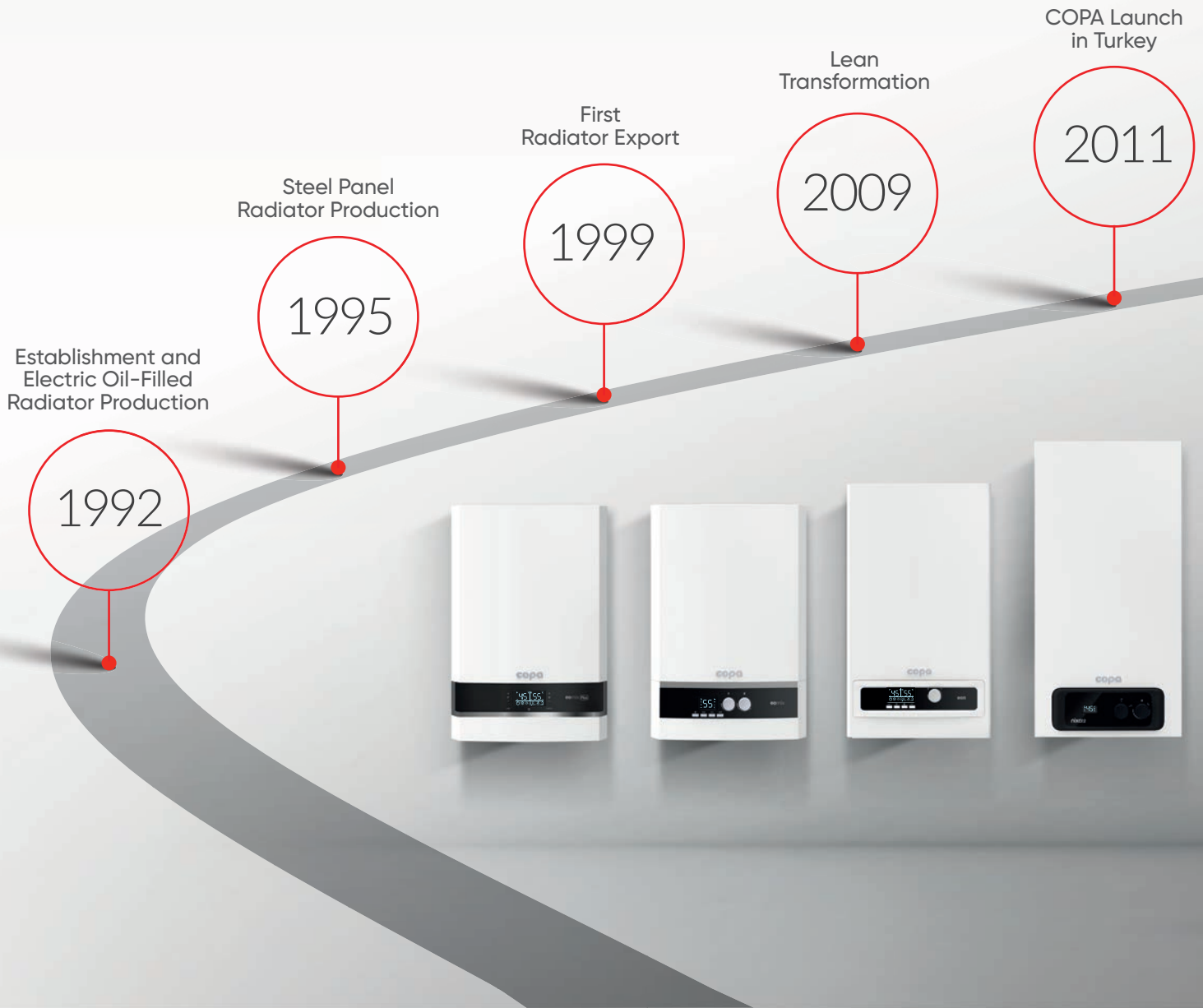
copa.com.tr/en    /copahvac

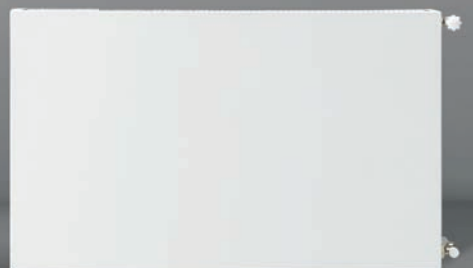
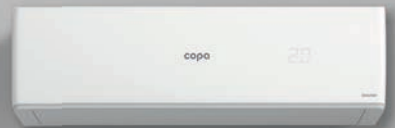
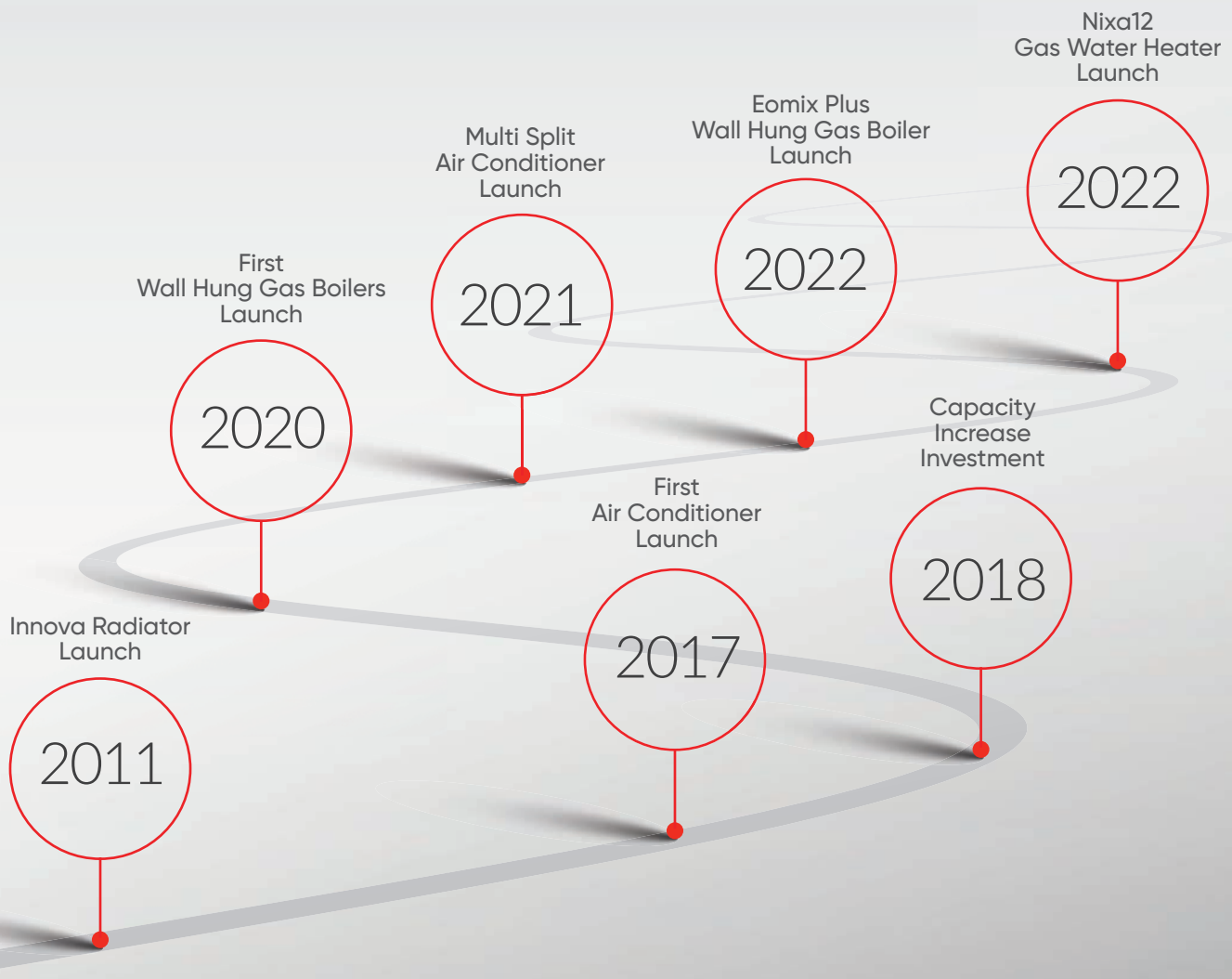


Since its establishment, COPA; which has one of the largest production capacity of steel panel radiators, operating in HVAC industry, and is the leader in export for 20 years.

COPA is a 100% Turkish capital company with its modern production facilities located in Bursa, Turkey.

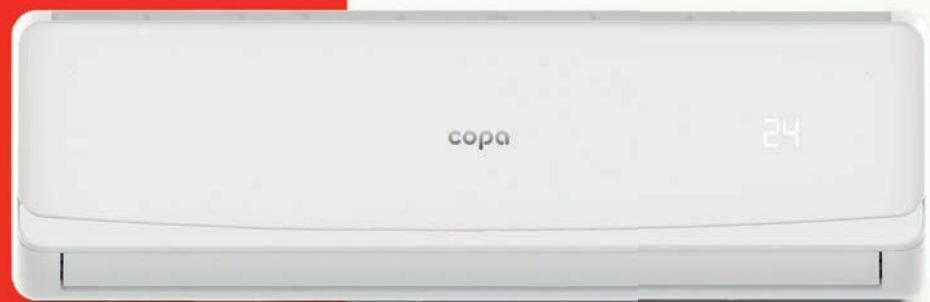
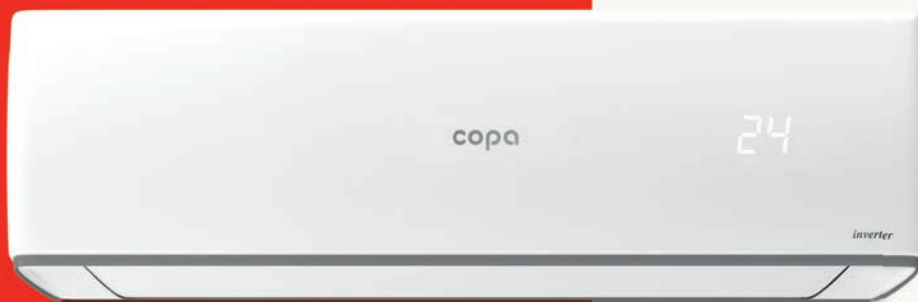
COPA, operates over 40 countries across 4 continents with its wall hung gas boilers, air-conditioners, hermetic water heaters, steel panel radiators, towel radiators, radiator valves and fixing equipments.





split type

Wall Mounted Air Conditioners



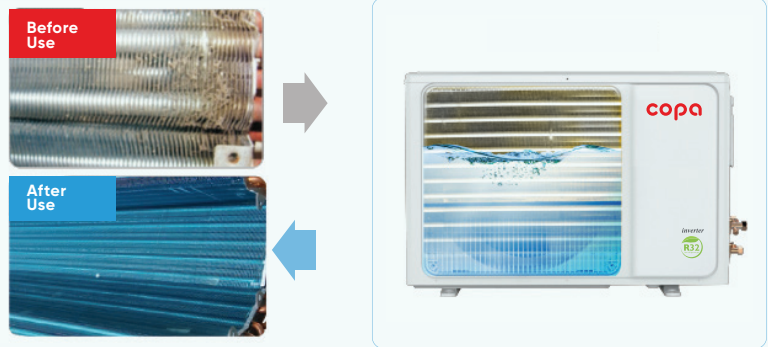
High Energy Efficiency

Thanks to its new generation inverter technology and environmentally friendly R32 refrigerant, it provides energy efficiency and energy saving.



Clean Air by Self-Cleaning Exchanger

During frosting and defrosting, the heat exchanger automatically starts self-cleaning, thus prevents bacteria formation and provides clean air.



Rapid Cooling and Heating Technology

COPA air conditioners bring the room to the desired temperature within; 30 seconds for cooling / 60 seconds for heating.



Safe Operation

Thanks to multi-safety feature, COPA air conditioners prevent negative ions such as moisture, dust, dirt as well as risks such as short circuit and fire; in case of any gas leakage, automatically shut off and provide safe and healthy air.



Comfortable Running

With the leading two-stage compression and cooling system optimization technology and high reliable unit components to ensure the reliable operation even in extreme ambient temperature; Copa Naya Line Series : heating at -20°C , cooling at 60°C
Copa Viva Line Series : heating at -15°C , cooling at 55°C



15 m Long Air Flow Distance



Intelligent Defrost

Thanks to its smart defrost feature, COPA air conditioners automatically start defrosting according to temperature changes.

- Energy saving +%5
- Heating under low temperature +%20



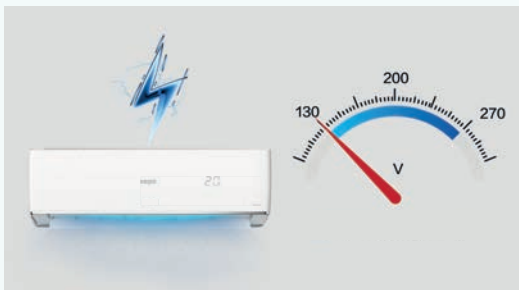
Comfortable Air Circulation

Thanks to its double air wing that delivers hot and cold air separately, it provides comfortable air circulation by preventing air deformation.



Voltage Fluctuation Protection

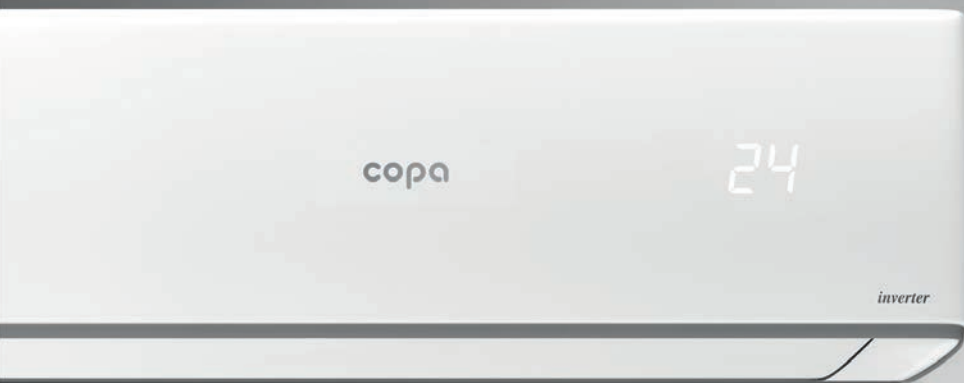
Thanks to its super compressor, the COPA air conditioners minimally affected by electrical voltage fluctuations.



Service Friendly

The switch type seal reduces the workload during installation and disassembly operations and facilitates the authorized service work.





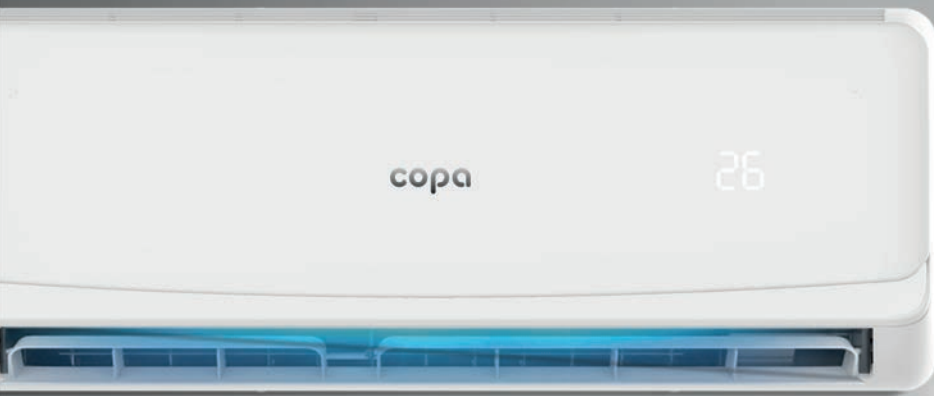
naya line

Wall Mounted Split
Air Conditioners



Naya Line Technical Specifications Table

MODEL		COPA Naya Line 09	COPA Naya Line 12	COPA Naya Line 18	COPA Naya Line 24
Rated Voltage	V	220v-240v	220v-240v	220v-240v	220v-240v
Rated Frequency	Hz	50Hz	50Hz	50Hz	50Hz
Pdesign-cooling	kW	2,65	3,5	5,3	6,7
Pdesign-heating -average	kW	2,7	2,7	4,4	5,7
Pdesign-heating -warmer	kW	3,4	3,4	5	7
Annual power consumption-cooling	kWh/a	148	198	265	359
Annual power consumption-heating-average	kWh/a	938	938	1470	1950
GWP		675	675	675	675
COP		3,81	3,75	3,83	3,81
EER		3,31	3,29	3,32	3,3
Cooling Capacity	BTU/H	9212.4(2047.2-12965.6)	11942(2729.6-13959.2)	18083.6(4435.6-20130.8)	24907.6(6141.6-25248.8)
Cooling Capacity	kW	2.7(0.6-3.8)	3.5(0.8-4.1)	5.3(1.3-5.9)	7.3(1.8-7.4)
Heating Capacity	BTU/H	10236(2729.6-14330.4)	12965.6(3412-14330.4)	19107.2(4435.6-20472)	24907.6(6141.6-27296)
Heating Capacity	kW	3(0.8-4.2)	3.8(1.0-4.2)	5.6(1.3-6.0)	7.3(1.8-8)
Cooling Current	A	3,8	5,6	7,5	10
Heating Current	A	4,1	4,9	7,0	9,5
Cooling Input	kW	0.8(0.1-1.6)	1.18(0.1-1.6)	1.58(0.29-2.1)	2.2(0.23-2.76)
Heating Input	kW	0.85(0.3-1.6)	1.10(0.3-1.6)	1.55(0.25-1.8)	2.2(0.23-2.53)
Dehumidification capacity	kg/h	1	1	1,6	2,5
SEER Cooling		6,2	6,19	7	6,53
SEER energy class		A++	A++	A++	A++
SCOP Heating-average		4	4,03	4,19	4,09
SCOP energy class-average		A+	A+	A+	A+
SCOP Heating-warmer		5,1	5,2	5,3	5,27
SCOP energy class-warmer		A+++	A+++	A+++	A+++
Max. Input Current	A	9,5	9,5	12	16
Max. Input Power	kW	1,9	1,9	2,9	3,4
Max. Discharge Pressure	Mpa	4,3	4,3	4,3	4,3
Max. Suction Pressure	Mpa	2,5	2,5	2,5	2,5
Refrigerant		R32	R32	R32	R32
Refrigerant Quantity	kg	0,56	0,56	1,03	1,3
tCO2eq.		0,38	0,38	0,7	0,88
Indoor/Outdoor Unit Noise(Sound Power)	dB	54/61	53/62	57/62	63/66
Indoor Unit Net Weight	kg	8,5	8,5	11,5	14
Outdoor Unit Net Weight	kg	22,5	22,5	28	39
Dimension(indoor)-net [W x D x H]	mm	788x292x198	788x292x198	940x316x224	1121x329x231
Dimension(indoor)-package [W x D x H]	mm	855x350x270	855x350x270	1010x385x310	1205x400x317
Dimension(outdoor)-net [W x D x H]	mm	705x279x530	705x279x530	785x300x555	900x700x350
Dimension(outdoor)-package [W x D x H]	mm	825x326x595	825x326x595	888x367x590	1020x770x430
Stop valve dimension		Dg4/Dg8 (1/4-3/8)	Dg4/Dg8 (1/4-3/8)	Dg4/Dg10 (1/4-1/2)	Dg4/Dg13 (1/4-5/8)
Compressor brand		GMCC	GMCC	GMCC	SANYO
Fan motor (indoor) type		AC	AC	DC	DC
Fan motor (outdoor) type		DC	DC	DC	DC
Indoor Electric Shock Prevention		Class I	Class I	Class I	Class I
Indoor Water-proof Class		IPX0	IPX0	IPX0	IPX0
Outdoor Water-proof Class		IPX4	IPX4	IPX4	IPX4
Max pipe length	m	20	20	25	25
Max installation fall --*both indoor higher or outdoor higher*	m	10	10	15	15
Additional added gas charge per meter added copper pipe	g	15	15	25	25
Max pipe length for pre-charge gas	m	7	7	7	7
Air Flow Volume	m³/h	600	600	850	1300



viva line

Wall Mounted Split
Air Conditioners



SMART
DEFROST



TIMER



SOFT LED
LIGHTING



CHILD
LOCK



PROTECTION
AGAINST VOLTAGE
FLUCTUATIONS



COOLING
COMFORTABLE
RUNNING



15 m LONG AIR
FLOW DISTANCE



VARIOUS
FAN SPEED



HEATING
COMFORTABLE
RUNNING



TURBO
MODE



LOW AIR
OUTLET
TEMPERATURE



0.5W
LOW STANDBY
CONSUMPTION



WAVE-SHAPED
LEFT & RIGHT
LIMITED
SWING BLADES



DUAL SIDED
WATER
OUTLET



10 MINUTES
SELF CLEAN
FUNCTION



DEEP
SLEEP SYSTEM



NEW
GENERATION
COMPRESSOR



HIGH QUALITY
SOUND
INSULATION

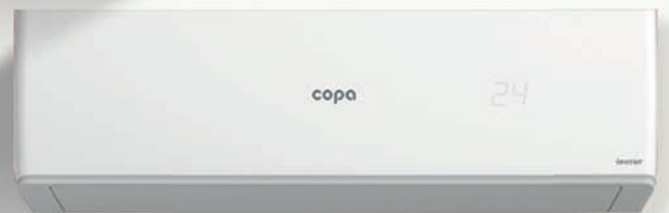
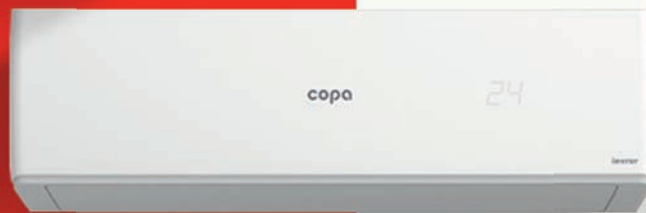
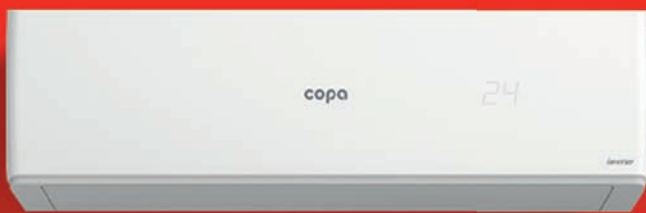
Viva Line Technical Specifications Table

MODEL		COPA Viva Line 09	COPA Viva Line 12	COPA Viva Line 18	COPA Viva Line 24
Rated Voltage	V	220v-240v	220v-240v	220v-240v	220v-240v
Rated Frequency	Hz	50Hz	50Hz	50Hz	50Hz
Pdesign-cooling	kW	2,65	3,5	5,1	6,7
Pdesign-heating-average	kW	2,7	2,7	3,6	5,7
Pdesign-heating-warmer	kW	3,4	3,4	3,9	7
Annual power consumption-cooling	kWh/a	148	198	270	359
Annual power consumption-heating-average	kWh/a	938	938	1220	1950
GWP		675	675	675	675
Cooling Capacity	BTU/H	9212.4(2047.2-12965.6)	11942(2729.6-13989.2)	17401.2(4435.6-18083.6)	24566.4(6141.6-25248.8)
Cooling Capacity	kW	2.7(0.6-3.8)	3.5(0.8-4.1)	5.1(1.3-5.3)	7.2(1.8-7.4)
Heating Capacity	BTU/H	9894.8(2729.6-14330.4)	12965.6(3412-14330.4)	18424.8(4435.6-18766)	24566.4(6141.6-27296)
Heating Capacity	kW	2.9(0.8-4.2)	3.8(1.0-4.2)	5.4(1.3-5.5)	7.2(1.8-8.0)
Cooling Current	A	3,8	5,6	7,0(1.2-7.5)	10(1.0-12.)
Heating Current	A	4,1	4,9	6,0(1.0-6.6)	9,5(1.0-11)
Cooling Input	kW	0.8(0.1-1.6)	1.18(0.1-1.6)	1.52(0.28-1.7)	2.2(0.23-2.76)
Heating Input	kW	0.85(0.3-1.6)	1.10(0.3-1.6)	1.40(0.22-1.5)	2.2(0.23-2.53)
Dehumidification capacity	kg/h	1	1	1.6	2.5
SEER Cooling		6,2	6,19	6,70	6,53
SEER energy class		A++	A++	A++	A++
SCOP Heating-average		4	4,03	4,10	4,09
SCOP energy class-average		A+	A+	A+	A+
SCOP Heating-warmer		5,1	5,2	5,3	5,27
SCOP energy class-warmer		A+++	A+++	A+++	A+++
Max. Input Current	A	9,5	9,5	9,0	16
Max. Input Power	kW	1,9	1,9	1,9	3,4
Max. Discharge Pressure	Mpa	4,3	4,3	4,3	4,3
Max. Suction Pressure	Mpa	2,5	2,5	2,5	2,5
Refrigerant		R32	R32	R32	R32
Refrigerant Quantity	kg	0,56	0,56	0,8	1,3
tCO ₂ eq.		0,38	0,38	0,54	0,88
Indoor/Outdoor Unit Noise(Sound Power)	dB	54/61	53/62	57/62	63/66
Indoor Unit Net Weight	kg	8	8,5	11	14
Outdoor Unit Net Weight	kg	22,5	22,5	25	39
Dimension(indoor)-net [W x D x H]	mm	750×285×200	750×285×200	900×310×225	1082×330×233
Dimension(indoor)-package [W x D x H]	mm	802×346×262	802×346×262	950×372×292	1155×397×312
Dimension(outdoor)-net [W x D x H]	mm	705×279×530	705×279×530	715×280×537	900×700×350
Dimension(outdoor)-package [W x D x H]	mm	825×326×595	825×326×595	825×326×595	1020×770×430
Stop valve dimension		Dg4/Dg8 (1/4-3/8)	Dg4/Dg8 (1/4-3/8)	Dg4/Dg10 (1/4-1/2)	Dg4/Dg13 (1/4-5/8)
Compressor brand		GMCC	GMCC	GMCC	SANYO
Fan motor (indoor) type		AC	AC	AC	DC
Fan motor (outdoor) type		DC	DC	DC	DC
Indoor Electric Shock Prevention		Class I	Class I	Class I	Class I
Indoor Water-proof Class		IPX0	IPX0	IPX0	IPX0
Outdoor Water-proof Class		IPX4	IPX4	IPX4	IPX4
Max pipe length	m	20	20	20	25
Max installation fall--*both indoor higher or outdoor higher*	m	10	10	10	15
Additional added gas charge per meter added copper pipe	g	15	15	20	30
Max pipe length for pre-charge gas	m	7	7	7	7
Air Flow Volume	m ³ /h	600	600	850	1300

multi type

Wall Mounted Air Conditioner

x3



Environmentally Friendly

Thanks to its new generation inverter and environment-friendly R32 refrigerant, it consumes less energy, providing savings.



Space Saving with Single Outdoor Unit

With more than one indoor unit connected to a single outdoor unit, it saves on the outdoor installation area and gives a more aesthetic appearance to the exterior. In addition, each of the indoor units that are not necessarily installed at the same time can be controlled individually, thus providing the desired comfort for different living spaces.






Efficient and Silent Way of Air Conditioning

It saves energy thanks to its simultaneous operating factor. Thanks to the state-of-the-art DC inverter and PFC technology (voltage compensation at low voltages), it provides economical operation with a low sound level.



Combination Tables (18K / 21K / 27K)

Multi DC Outdoor Unit	Combination Tables		
	1 unit	2 unit	3 unit
 Two COPA Multi Naya Line 18	9	-	-
	12	9+12	-
	18	9+9	-
 Three COPA Multi Naya Line 21	1 unit	2 unit	3 unit
	18	9 + 9	9 + 9 + 9
	-	9 + 12	-
	-	9 + 18	-
 Three COPA Multi Naya Line 27	1 unit	2 unit	3 unit
	18	9 + 9	9 + 9 + 9
	-	9 + 12	9 + 9 + 12
	-	9 + 18	9 + 12 + 12
	-	12 + 12	-
	-	12 + 18	-

Multi Naya Line Technical Specifications (Indoor Unit)

Indoor Unit			COPA Multi Naya Line 09	COPA Multi Naya Line 12	COPA Multi Naya Line 18
Capacity	Cooling	Btu/h	9000(4780-11260)	12285(5800-12625)	17747(8530-19790)
		kW	2.58(1.40-3.30)	3.50(1.70-3.70)	5.27(2.50-5.80)
	Heating	Btu/h	9215(4095-10240)	12625(5120-12625)	18085(7680-19790)
		kW	2.70(1.20-3.00)	3.50(1.50-3.70)	5.37(2.25-5.80)
Electrical Ratings	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1
	Cooling Power Input	W	40(12~68)	40(12~68)	63(16~88)
	Heating Power Input	W	40(12~68)	40(12~68)	63(16~88)
Indoor Unit Fan Motor	Brand		WEILING	WEILING	WEILING
	Output Power	W	18	18	30
	Speed (Hi/Mi/Lo)	r/min	1130	1130	1080
Performance	Air Flow Volume	CFM	353	353	500
		m3/h	600	600	850
	Sound Pressure Noise Level	dB(A)	40/36/32	41/37/33	44/41/37
	Sound Power Noise Level	dB(A)	57	57	57
Dimension	Net Dimension (W x D x H)	mm	788x292x198	788x292x198	936x316x221
	Packing Dimension (W x D x H)	mm	855x350x270	855x350x270	1010x385x307
Weight	Net	kg	8	8,5	12
	Gross	kg	10	10,5	14
Refrigerant Type			R32	R32	R32
Pipe Diameters	Liquid Side	mm(inch)	6.35(1/4)	6.35(1/4)	6.35(1/4)
	Gas Side	mm(inch)	9.52(3/8)	9.52(3/8)	12.7(1/2)
	Drainage	mm	16,9	16,9	16,9

Multi Naya Line Technical Specifications (Outdoor Unit)

Model (DC Inverter)			COPA Multi Naya Line 18	COPA Multi Naya Line 21	COPA Multi Naya Line 27
Capacity	Cooling	Btu/h	18084(6824-19892)	21154(7506-22895)	26955(7848-29650)
		kW	5.3(2.0-5.83)	6.2(2.2-6.71)	7.9(2.3-8.69)
	Heating	Btu/h	19107(7541-21017)	22519(8155-24771)	27978(8359-30776)
		kW	5.6(2.21-6.16)	6.6(2.39-7.26)	8.2(2.45-9.02)
Electrical Ratings	Power Supply	V~,Hz,Ph	220-240,50,1	220-240,50,1	220-240,50,1
	Cooling Power Input	W	1750(280-2300)	1920(350-2800)	2460(560-3400)
	Heating Power Input	W	1540(280-2300)	1780(350-2800)	2200(560-3400)
	Rated Current (cooling&heating)	A	7.6/6.7	8.3/7.8	10.7/9.6
	Max current	A	11	13	16
	Max power	kW	2,3	2,8	3,4
Performans	SEER/SCOP	W/W	6.92/4.06(H)	6.30/4.37(H)	6.19/4.04(H)
	Energy Rate		A++/A+	A++/A+	A++/A+
	EER/COP	W/W	3.03/3.64	3.23/3.71	3.21/3.73
DC Inverter Compressor	Quantity		1	1	1
	Type		Rotary	Twin Rotary	Twin Rotary
	Brand		GMCC	GMCC	GMCC
	Frequency Range		10-120 Hz	8-120 Hz	12-120 Hz
Outdoor Unit DC Inverter Fan Motor	Type		DC Inverter	DC Inverter	DC Inverter
	Brand		WELLING	WOLONG	WOLONG
Air Flow Volume		CFM	1353	1824	1824
		m3/h	2300	3100	3100
Noise Level	Sound Pressure Noise Level	dB(A)	55	56	58
	Sound Power Noise Level	dB(A)	62	65	67
Dimension	Net Dimension (W x D x H)	mm	800x315x545	834x328x655	834x328x655
	Packing Dimension (W x D x H)	mm	920x400x620	945x435x725	945x435x725
Weight	Net	kg	36	44	46
	Gross	kg	39	47	49
Refrigerant Type/Amount	Type		R32	R32	R32
	Charged Volume	kg	1,1	1,25	1,2
	Additional charge	(g/m)	25	25	25
Piping	Liquid Side	mm(inch)	2x6.35(1/4)	3x6.35(1/4)	3x6.35(1/4)
	Gas Side	mm(inch)	2x9.52(3/8)	3x9.52(3/8)	3x9.52(3/8)
	Max. length for all rooms (m)	m	40	60	60
	Max. length for one IDU (m)	m	25	30	30
	Max. height difference between IDU and OU (m)	m	15	15	15
	Max. height difference between IDUs (m)	m	10	10	10
Ambient Temp (Cooling/Heating)		°C	-10~52°C/-15~24°C	-10~52°C/-15~24°C	-10~52°C/-15~24°C

Remark: The above designs and specifications are subject to change of product improvement without prior notice.



COPA ISI SİSTEMLERİ SAN. VE TİC A.Ş.

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Customer Service

