



R32 gas



3D DC Inverter



Heating at a temp. of -20 °C



Cooling at a temp. of -15 °C



The protective cover of the valve



Error detection and display



Chasis Heating Belt



Compressor Heating Belt



Last mode memory

Outdoor units

# COFM AERI

A++ Cooling SEER 7.0

A+ Heating SCOP 4.0



## Flexible installation

The maximum length of the cooling pipes can be up to 80 m. The maximum difference in height between the indoor and outdoor unit can be up to 30 m.

Model	ACP-14COFM40AERis R32	ACP-18COFM50AERis R32	ACP-21COFM60AERis R32	ACP-27COFM79AERis R32	ACP-28COFM82AERis R32	ACP-36COFM105AERis R32	ACP-42COFM123AERis R32	
<b>Cooling</b>	Capacity (W)	4103 (1553-4982)	5275 (2286-5715)	6155 (1993-6594)	7913 (3077-8206)	8206 (2052-9847)	10550 (3194-11430)	12309 (3165-12309)
	Energy efficiency class	A++	A++	A++	A++	A++	A++	A++
	Energy Efficiency SEER	6.8	6.3	6.1	6.3	7.0	6.3	6.1
	Cooling operating range	-15 °C ≤ T ≤ 50 °C	-15 °C ≤ T ≤ 50 °C	-15 °C ≤ T ≤ 50 °C	-15 °C ≤ T ≤ 50 °C	-15 °C ≤ T ≤ 50 °C	-15 °C ≤ T ≤ 50 °C	-15 °C ≤ T ≤ 50 °C
	Estimated load on cooling (W)	4100	5300	6100	7900	8200	10500	12300
	Power input (W)	1270 (100-1670)	1635 (690-2000)	1905 (180-2200)	2450 (220-3120)	2500 (880-3130)	3270 (295-4150)	3810 (180-4650)
<b>Heating</b>	Capacity (W)	4396 (1612-4982)	5570 (2403-5744)	6448 (1450-6682)	8206 (2403-8206)	8790 (2345-10550)	10550 (3107-12924)	12310 (3370-12310)
	Energy efficiency class	A+	A+	A+	A+	A+	A+	A
	Energy Efficiency SCOP	4.0	4.5	5.1	5.7	6.5	8.8	9.5
	Heating operating range	-20 °C ≤ T ≤ 24 °C	-20 °C ≤ T ≤ 24 °C	-20 °C ≤ T ≤ 24 °C	-20 °C ≤ T ≤ 24 °C	-20 °C ≤ T ≤ 24 °C	-20 °C ≤ T ≤ 24 °C	-20 °C ≤ T ≤ 24 °C
	Estimated load on heating	3.7	4.3	5.1	5.7	6.5	8.8	9.5
	Power input (W)	1185 (220-1750)	1500 (600-1780)	1738 (350-1800)	2210 (320-2900)	2400 (840-3000)	2880 (603-4483)	3315 (550-4050)
<b>Outdoor unit</b>	Coolant	R32	R32	R32	R32	R32	R32	R32
	Maximum number of indoor units	2	2	3	3	4	4	5
	Noise - Sound Pressure (dB(A))	≤ 56	≤ 54	≤ 58	≤ 58	≤ 61	≤ 62	≤ 64
	Volume under standard conditions (dB)	≤ 65	≤ 65	≤ 65	≤ 68	≤ 69	≤ 69	≤ 70
	Bracket distance (mm)	514	514	663	663	673	673	673
	Packaging dimensions (mm)	915 x 370 x 615	915 x 370 x 615	1030 x 438 x 750	1030 x 438 x 750	1090 x 500 x 875	1090 x 500 x 875	1090 x 500 x 875
	Device dimensions (mm)	800 x 333 x 554	800 x 333 x 554	890 x 342 x 673	890 x 342 x 673	946 x 410 x 810	946 x 410 x 810	946 x 410 x 810
	Gross / net weight (kg)	34.7 / 31.6	38 / 35	47.1 / 43.3	51.8 / 48	67.7 / 62.1	75.6 / 68.8	80.4 / 73.3
<b>Connections</b>	Liquid phase pipe diameter	1/4"	1/4"	1/4"	1/4"	1/4"	4" x 1/4"	5" x 1/4"
	Gas phase pipe diameter	3/8"	3/8"	3/8"	3/8"	3 x 3/8" + 1 x 1/2"	3 x 3/8" + 1 x 1/2"	4 x 3/8" + 1 x 1/2"
	Maximum pipe length (m)	40	40	60	60	80	80	80
	Maximum height difference (m) (OU above IU/OU below IU)	15 / 10	15 / 10	15 / 10	15 / 10	15 / 10	15 / 10	15 / 10
	Pre-filled pipe length (m)	15	15	22.5	22.5	30	30	37.5
	Gas refill	(Installation length to each IU x 15 g/m) - 15	(Installation length to each IU x 15 g/m) - 15	(Installation length to each IU x 22.5 g/m) - 22.5	(Installation length to each IU x 22.5 g/m) - 22.5	(Installation length to each IU x 30 g/m) - 30	(Installation length to each IU x 30 g/m) - 30	(Installation length to each IU x 37.5 g/m) - 37.5
<b>Interconnect cable</b>	Power Supply (mm <sup>2</sup> )	3 x 2.5	3 x 2.5	3 x 2.5	3 x 2.5	3 x 2.5	3 x 2.5	3 x 4.0

~220-240V/1/50Hz; Outdoor unit





# Overview of outdoor units

**720 x 270 x 495 mm**  
Bracket distance 452 mm



Name of outdoor unit	Compatible indoor units
ACP-09CH25AESI/O PRO	ACP-09CH25AESI/I PRO
ACP-09CH25AEMI/O2s	ACP-09CH25AEMI/I2s
ACP-09CH25AEQI/O2s	ACP-09CH25AEQI/I2s
ACP-12CH35AESI/O PRO	ACP-12CH35AESI/I PRO
ACP-12CH35AEMI/O2s	ACP-12CH35AEMI/I2s
ACP-12CH35AEQI/O2s	ACP-12CH35AEQI/I2s
ACP-12CH35AEXI/O2s	ACP-12CH35AEXI/I2s

**765 x 303 x 555 mm**  
Bracket distance 452 mm



Name of outdoor unit	Compatible indoor units
ACP-09CH25AERI/O+	ACP-09CH25AERI/I+
ACP-09CH25AERI/O+	ACP-09CH25AERI/I+ GOLD
ACP-09CH25AERI/O+	ACP-09CH25AERI/I+ SILVER
ACP-12CH35AEEI/O PRO	ACP-12CH35AEEI/I PRO
ACP-12CH35AEVI/O2s	ACP-12CH35AEVI/I2s GRAY MIRROR
ACP-12CH35AEVI/O2s	ACP-12CH35AEVI/I2s GOLD
ACP-12CH35AEHI/O+	ACP-12CH35AEHI/I+
ACP-12CH35AEHI/O+	ACP-12CH35AEHI/I+ GOLD
ACP-12CH35AEHI/O+	ACP-12CH35AEHI/I+ SILVER
ACP-12CH35AERI/O+	ACP-12CH35AERI/I+
ACP-12CH35AERI/O+	ACP-12CH35AERI/I+ GOLD
ACP-12CH35AERI/O+	ACP-12CH35AERI/I+ SILVER
ACP-12CH35AERI/O+	ACP-12CH35AERI/I+ RED
ACP-12CH35AERI/O+	ACP-12CH35AERI/I+ SILVER MIRROR
ACP-12LCCAC35AERI/Os	ACP-12CC35AERI/I3
ACP-12LCCAC35AERI/Os	ACP-12CT35AERI/I3
ACP-12LCCAC35AERI/Os	ACP-12DT35AERI/I3

**805 x 330 x 554 mm**  
Bracket distance 511 mm



Name of outdoor unit	Compatible indoor units
ACP-12CH35AEYI/Os	ACP-12CH35AEYI/Is
ACP-18CH50AERI/O+	ACP-18CH50AERI/I+ SILVER MIRROR
ACP-18CH50AEMI/O2s	ACP-18CH50AEMI/I+
ACP-18CH50AEQI/O2s	ACP-18CH50AEQI/I2s
ACP-18CH50AEQI/O2s	ACP-18CH50AEQI/I2s
ACP-18LCCAC50AERI/Os	ACP-18CC50AERI/I3
ACP-18LCCAC50AERI/Os	ACP-18CT50AERI/I3
ACP-18LCCAC50AERI/Os	ACP-18CF50AERI/I3
ACP-18LCCAC50AERI/Os	ACP-18DT50AERI/I3
ACP-18CH50AESI/O Pro	ACP-18CH50AESI/I Pro

**800 x 280 x 550 mm**  
Bracket distance 510 mm



Name of outdoor unit	Compatible indoor units
ACP-12CH35REWI/I	ACP-12CH35REWI/O
ACP-18CH50REWI/I	ACP-18CH50REWI/O

**946 x 420 x 810 mm**

Bracket distance 673 mm



**Name of outdoor unit**

ACP-24CH70AESI/O PRO

**Compatible indoor units**

ACP-24CH70AESI/I PRO

**890 x 342 x 673 mm**

Bracket distance 663 mm



**Name of outdoor unit**

ACP-24CH70AEMI/O2s

ACP-24CH70AEQI/O2s

ACP-24LCAC70AERI/Os

ACP-24FS70AERI/O3

**Compatible indoor units**

ACP-24CH70AEMI/I2s

ACP-24CH70AEQI/I2s

ACP-24CC70AERI/I3

ACP-24CF70AERI/I3

ACP-24DT70AERI/I3

ACP-24FS70AERI/I3

**952 x 415 x 1333 mm**

Bracket distance 634 mm



**Name of outdoor unit**

ACP-48LCACI40AERI/Os

ACP-48FSI40AERI/O2

ACP-55LCACI60AERI/Os

ACP-55FSI60AERI/O3

**Compatible indoor units**

ACP-48CCI40AERI/I3

ACP-48CFI40AERI/I3

ACP-48DTI40AERI/I3

ACP-48FSI40AERI/I2

ACP-55CCI60AERI/I3

ACP-55CFI60AERI/I3

ACP-55DTI60AERI/I3

ACP-55FSI60AERI/I3

**952 x 410 x 1333 mm**

Bracket distance 634 mm



**Name of outdoor unit**

ACP-55FSI60AERI/O3

**Compatible indoor units**

ACP-55FSI60AERI/I3

**Motherboard cooling on the outdoor unit**

The newly designed cooling circuits use improved airing technology - both for efficient cooling and for heat exchangers and electronic boxes, which significantly improves the performance of the unit at high ambient temperatures. It is 5 times more efficient in heat transfer compared to conventional technology.