



condensing units

Inverter condensing units are equipped with a control module, which enables connection of a universal outdoor unit to the freon exchanger in the air handling unit.

This solution makes it possible to control the capacity of the condensing unit by means of a 0-10 V signal sent from the automation of the air handling unit. Both cooling and heating operation is possible. The units have built-in expansion valves, so no additional refrigeration fittings are required. Kaisai condensing units can only be used with air-handling units equipped with safety features due to the flammable properties of the R32 refrigerant.





Technical specification

MODEL			KOX230-12HFN32X	KOX330-18HFN32X	KOX430-24HFN32X
Capacity average (min÷max)	cooling	kW	3,5(0,8÷4,1)	5,3(2,7÷5,9)	7,0(3,2÷7,8)
	heating	kW	3,8(0,5÷4,3)	5,6(2,4÷6,3)	7,6(2,7÷8,3)
Energy class	cooling/heating		A++/A+	A++/A+	A++/A+
SEER	średni	W/W	6,6	6,2	6,1
SCOP	średni	W/W	4,1	4,0	4,0
Average power consumption (min÷max)	cooling	W	1010(168÷1434)	1450(670÷2027)	2300(747÷2930)
	heating	W	1019(124÷1376)	1500(540÷1640)	2050(650÷2850)
Average operating current (min÷max)	cooling	A	4,4(1,3÷6,3)	6,0(3,2÷9,0)	10,5(3,9÷13,1)
	heating	A	4,7(1,0÷6,1)	6,6(2,7÷7,3)	9,5(3,5÷12,7)
Air flow rate		m ³ /h	2100	2200	3500
Operating temperature	cooling	°C	-15÷50/-15÷24	-15÷50/-15÷24	-15÷50/-15÷24
Sound pressure level		dB(A)	53,6	56	60
Net dimensions w/h/d		mm	765/555/303	805/554/330	890/673/342
Transport dimensions w/h/d		mm	887/610/337	915/615/370	995/740/398
Net weight		kg	26,6	26,6	43,9
Transport weight		kg	29,0	29,0	46,9
Pipe diameter: liquid/gas		mm	6,35/9,52	6,35/12,7	9,52/15,9
Maximum installation length		m	25	30	50
Maximum height difference		m	10	20	25
Power supply		V/Hz/Ph	220-240/50/1	220-240/50/1	220-240/50/1
Circuit breaker/fuse		A	16	16	20
Power supply lines		# of wires	3x2,5	3x2,5	3x2,5
Control lines		x mm ²	4x1,5	4x1,5	4x1,5
Factory amount of refrigerant	up to 5 rm	kg	0,72	1,15	1,5
Additional amount of refrigerant	over 5 rm	g/m	12	12	24

Technical specification

MODEL			KOD30U- -36HFJ32X	KOD30U- -36HFN32X	KOE30U- -48HFN32X	KOE30U- -55HFN32X
Capacity average (min÷max)	cooling	kW	10,6(2,7÷11,4)	10,6(2,7÷11,8)	14,1(3,5÷15,2)	15,8(4,1÷16,7)
	heating	kW	11,7(2,8÷12,8)	11,7(2,8÷12,8)	16,1(4,1÷17,0)	18,2(4,4÷19,6)
Energy class	cooling/heating		A++/A+	A++/A+	A++/A+	A++/A+
SEER	średni	W/W	6,2	6,4	6,1	6,1
SCOP	średni	W/W	4,0	4,1	4,0	4,0
Average power consumption (min÷max)	cooling	W	3900(900÷4250)	40000(890÷4300)	5000(900÷5950)	5650(1100÷6650)
	heating	W	3350(800÷3950)	3350(780÷3950)	5100(1000÷6050)	6050(1050÷7100)
Average operating current (min÷max)	cooling	A	17,0(4,2÷19,0)	6,3(1,4÷6,8)	8,8(1,9÷10,3)	9,7(3,2÷11,5)
	heating	A	15,0(3,5÷17,5)	5,4(1,3÷6,2)	8,9(2,1÷10,5)	10,5(2,2÷12,0)
Air flow rate		m³/h	4000	4000	7500	7500
Operating temperature	cooling	°C	-15+50/-15+24	-15+50/-15+24	-15+50/-15+24	-15+50/-15+24
Sound pressure level		dB(A)	63	63	63,5	64
Net dimensions w/h/d		mm	946/810/410	946/810/410	952/1333/415	952/1333/415
Transport dimensions w/h/d		mm	1090/885/500	1090/885/500	1095/1480/495	1095/1480/495
Net weight		kg	66,9	80,5	103,7	107,0
Transport weight		kg	71,5	85,0	118,3	121,2
Pipe diameter: liquid/gas		mm	9,52/15,9	9,52/15,9	9,52/15,9	9,52/15,9
Maximum installation length		m	75	75	75	75
Maximum height difference		m	30	30	30	30
Power supply		V/Hz/Ph	220-240/50/1	380-420/50/3	380-420/50/3	380-420/50/3
Circuit breaker/fuse		A	25	16	16	16
Power supply lines		# of wires x mm²	3x4,0	5x2,5	5x2,5	5x2,5
Control lines			4x1,5	4x1,5	4x1,5	4x1,5
Factory amount of refrigerant	up to 5 rm	kg	2,4	2,4	2,9	3,0
Additional amount of refrigerant	over 5 rm	g/m	24	24	24	24

Generator types and controllers



KOX230-12HFN32X
KOX330-18HFN32X
KOX430-24HFN32X
KOD30U-36HFJ32X
KOD30U-36HFN32X



KOE30U 48 | 55 HFN32X



Control Module
KMS-8142