



KTI 18 | 24 | 36 | 48 | 55 HWG32X

# k<sup>t</sup>i

**Duct air conditioners are used in buildings with large areas. Their advantage lies in the ability to freely distribute air through the ducts and air intakes in the entire false ceiling space.**

Slim series duct air conditioners are characterised by a high external static pressure – 160 Pa, while maintaining a low level of noise. The unit has a lower height than a standard duct unit, making it possible to install it in a small suspended ceiling space. The air conditioner automatically adjusts the static pressure and maintains a constant airflow.

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A<sup>+</sup> | R32





### Features of **Kaisai KTI**



Double sided installation



Refrigerant leakage indication



Cold air control



Emergency use



Self-diagnosis



Timer



Automatic restart



Alarm port



Remote control temperature sensor



Operation at low outside temperatures



Twin combination



Fresh air



On-off port



Temperature compensation



Built-in condensate pump



Compressor and condensate tray heaters

**OPTIONAL**



Central controller

**OPTIONAL**



Wi-Fi control

## Technical specification

MODEL	indoor unit		KTI-18HWG32X	KTI-24HWG32X	KTI-36HWG32X	KTI-36HWG32X	KTI-48HWG32X	KTI-55HWG32X
	outdoor unit		KOX330-18HF-N32X	KOX430-24HF-N32X	KOD30U-36HFJ32X	KOD30U-36HF-N32X	KOE30U-48HF-N32X	KOE30U-55HF-N32X
Capacity average (min÷max)	cooling	kW	5,3 (2,6÷5,9)	7,0 (3,3÷8,2)	10,6 (2,8÷11,1)	10,6 (2,7÷11,8)	14,1 (3,5÷15,5)	15,2 (4,1÷17,3)
	heating	kW	5,6 (2,2÷6,2)	7,6 (2,8÷8,5)	11,7 (2,8÷12,8)	11,7 (2,8÷12,8)	16,1 (4,1÷18,2)	18,2 (4,4÷20,5)
Energy class	cooling/heating		A++/A+	A++/A+	A++/A+	A++/A+	A++/A+	A++/A+
SEER	average	W/W	6,5	6,2	6,2	6,1	6,1	6,1
SCOP	average	W/W	4,0	4,0	4,0	4,0	4,0	4,0
Avg. power consumption (min÷max)	cooling	W	1530 (710÷2150)	2190 (750÷2960)	3950 (900÷4150)	4000 (890÷4200)	4800 (880÷6000)	5250 (1030÷6650)
	heating	W	1510 (740÷1760)	1900 (640÷2580)	3250 (800÷3950)	3250 (780÷4000)	4500 (950÷5700)	5150 (950÷6600)
Avg. operating current (min÷max)	cooling	A	7,1 (3,2÷9,6)	10,2 (4,2÷13,2)	17,5 (4,2÷18,5)	6,5 (1,4÷6,7)	8,4 (1,9÷10,4)	9,6 (3,1÷11,5)
	heating	A	6,8 (3,3÷7,7)	9,2 (3,8÷11,6)	14,5 (3,5÷17,5)	5,3 (1,3÷6,4)	8,0 (2,0÷9,8)	9,5 (2,0÷11,5)
Air flow rate	cooling	m³/h	911/706/515	1229/1035/825	2100/1800/1500	2100/1800/1500	2400/2040/1680	2600/2210/1820
	heating	m³/h	2200	3500	4000	4000	7500	7500
Available compression ratio		Pa	25/100	25/160	37/160	37/160	50/160	50/160
Operating temp. cooling/heating	indoor	°C	16÷32/0÷30	16÷32/0÷30	16÷32/0÷30	16÷32/0÷30	16÷32/0÷30	16÷32/0÷30
	outdoor	°C	-15÷50/-15÷24	-15÷50/-15÷24	-15÷50/-15÷24	-15÷50/-15÷24	-15÷50/-15÷24	-15÷50/-15÷24
Sound pressure level	indoor	dB(A)	41/38/34/26	42/40/37/27	49,5/48/46/42	49,5/48/46/42	50/49/47/42	52,5/49/47/42
	outdoor	dB(A)	56	60	63	63	63,5	64
Net dimensions w/h/d	indoor	mm	880/210/674	1100/249/774	1360/249/774	1360/249/774	1200/300/874	1200/300/874
	outdoor	mm	805/554/330	890/673/342	946/810/410	946/810/410	952/1333/415	952/1333/415
Transp. dimensions w/h/d	indoor	mm	1070/280/725	1305/315/805	1570/330/805	1570/330/805	1405/365/915	1405/365/915
	outdoor	mm	915/615/370	995/740/398	1090/885/500	1090/885/500	1095/1480/495	1095/1480/495
Net weight	indoor	kg	24,4	32,3	40,5	40,5	47,4	47,6
	outdoor	kg	26,6	43,9	66,9	80,5	103,7	107,0
Transport weight	indoor	kg	29,6	39,1	48,2	48,2	55,8	56,1
	outdoor	kg	29,0	46,9	71,5	85,0	118,3	121,2
Pipe diameter: liquid/gas		mm	6,35/12,7	9,52/15,9	9,52/15,9	9,52/15,9	9,52/15,9	9,52/15,9
Maximum installation length		m	30	50	75	75	75	75
Maximum height difference		m	20	25	30	30	30	30
Power supply	outdoor	V/Hz/Ph	220÷240/50/1	220÷240/50/1	220÷240/50/1	380÷420/50/3	380÷420/50/3	380÷420/50/3
Circuit breaker/fuse	outdoor	A	16	20	25	16	16	16
Power supply lines	outdoor	# of wires x mm²	3x2,5	3x2,5	3x4,0	5x2,5	5x2,5	5x2,5
Control lines	ind. - outd.		4x1,5	4x1,5	4x1,5	4x1,5	4x1,5	4x1,5
Factory amount of refrigerant	up to 5 rm	kg	1,15	1,5	2,4	2,4	2,9	3,0
Additional refrigerant	over 5 rm	g/m	12	24	24	24	24	24
Outer diameter of condensate drain		mm	25	25	25	25	25	25

## Controllers

WIRED REMOTE CONTROL



**KJR-120X2**

WIRELESS REMOTE CONTROL



**RG66A1 (OPTIONAL)**

WIRED REMOTE CONTROL



**KJR12B (OPTIONAL)**

WIRED REMOTE CONTROL



**CCM (OPTIONAL)**