SPLIT

Duct

High Static Pressure Range

Standard

ESP up to 250 Pa



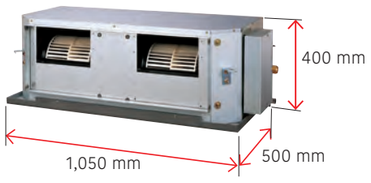
REFRIGERANT R32

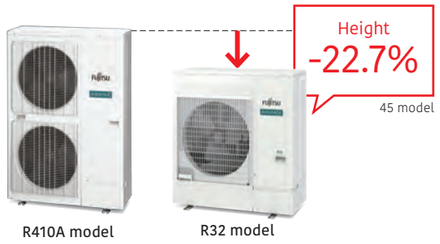
ALL DC

Economy | Auto Changeover | Adjust | Restart | Filter | Error | Blue Fin

Easy Installation (Compact & Lightweight)

The indoor and outdoor units are designed to be compact and light by reducing the basic chassis size and the overall material weight.



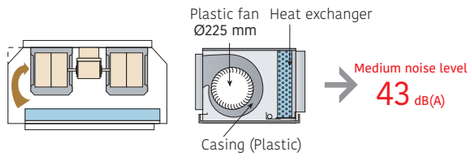


Design Also Suits High Static Pressure



Low Noise

Slanted corners at the top help reduce turbulent airflow. Low noise is realized by adopting a plastic case and a plastic fan.



Link Up with a Variety of Central Control System (Option)

Centralized control including facilities and equipment in addition to air conditioning is possible by linking up with MODBUS, KNX interfaces.



Central Control System

REFRIGERANT R32

Model: ARXG45KHTB / ARXG54KHTB
ARXG45KHTB [3-phase] / ARXG54KHTB [3-phase]





Specifications

Model name	Indoor unit				ARXG45KHTB	ARXG54KHTB	ARXG45KHTB	ARXG54KHTB
	Outdoor unit				AOEG45KBTB	AOEG54KBTB	AOEG45KRTA	AOEG54KRTA
Power Source					Single phase, ~230 V, 50 Hz		3-phase, ~400 V, 50 Hz	
Capacity	Cooling	Rated		kW	12.1	13.4	12.1	13.4
		Min.-Max.			4.0-14.0	5.0-14.5	4.0-14.0	5.0-14.5
	Heating	Rated			13.5	15.5	13.5	15.5
		Min.-Max.			5.0-16.2	5.5-18.0	5.0-16.2	5.5-18.0
Input Power	Cooling/Heating			kW	4.16/3.61	4.77/4.18	4.16/3.61	4.77/4.18
EER	Cooling			W/W	2.91	2.81	2.91	2.81
COP	Heating				3.74	3.71	3.74	3.71
Pdesign	Cooling/Heating (-10°C)			kW	12.1 / 9.2	13.4 / 9.5	12.1 / 9.2	13.4 / 9.5
SEER	Cooling			W/W	5.14	5.10	5.14	5.10
SCOP	Heating				4.00	3.96	4.00	3.96
Energy Efficiency Class	Cooling				-	-	-	-
	Heating				-	-	-	-
ηc				%	202.6	201.0	202.6	201.0
ηh					157.0	155.4	157.0	155.4
Max. Operating Current	Cooling/Heating			A	28.5/28.5	28.5/28.5	14.0/14.0	14.0/14.0
Annual Energy Consumption	Cooling			kWh/a	-	-	-	-
	Heating				-	-	-	-
Moisture Removal				l/h	1.5	2.0	1.5	2.0
Sound Pressure Level	Indoor (Cooling)		H/M/L	dB(A)	47/43/40	47/43/40	47/43/40	47/43/40
	Indoor (Heating)		H/M/L		47/43/40	47/43/40	47/43/40	47/43/40
	Outdoor (Cooling/Heating)		High		57/57	57/59	57/57	57/59
Sound Power Level	Indoor (Cooling/Heating)		High		75/74	75/74	75/74	75/74
	Outdoor (Cooling/Heating)		High		71/71	73/73	71/71	73/73
Airflow Rate	Indoor/Outdoor (Cooling)		High	m^3/h	3,350/4,450	3,350/4,450	3,350/4,450	3,350/4,450
	Indoor/Outdoor (Heating)		High		3,350/4,450	3,350/4,450	3,350/4,450	3,350/4,450
Static pressure range (Standard)				Pa	100 to 250 (100)	100 to 250 (100)	100to250 (100)	100to250 (100)
Net Dimensions H x W x D	Indoor			mm	400 × 1,050 × 500	400 × 1,050 × 500	400 × 1,050 × 500	400 × 1,050 × 500
	Outdoor			mm	998 × 940 × 320	998 × 940 × 320	998 × 940 × 320	998 × 940 × 320
Weight	Indoor			kg	46	46	46	46
	Outdoor			kg	67	67	67	67
Connection Pipe Diameter (Liquid/Gas)				mm	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88
Drain port Diameter (I.D./O.D.)					23.4/25.4	23.4/25.4	23.4/25.4	23.4/25.4
Max. Pipe Length (Pre-Charge)				m	50 (30)	50 (30)	50 (30)	50 (30)
Max. Height Difference					30	30	30	30
Operating Range	Cooling			°CDB	-15 to 46	-15 to 46	-15 to 46	-15 to 46
	Heating				-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)				R32 (675)	R32 (675)	R32 (675)	R32 (675)
	Charge			kg (CO2eq-T)	2.70 (1.823)	2.70 (1.823)	2.70 (1.823)	2.70 (1.823)

Optional parts

* For information on the compatibility of optional parts for Intesis products, please refer to the compatibility list at the end of the "Control system & Optional parts" chapter.

Wired Remote Controller (Design type): UTY-RVRY
Compact wired remote controller: UTY-RCRYZ1
Wired remote controller (touch panel): UTY-RNRYZ6
Wired remote controller: UTY-RLRY
Simple remote controller: UTY-RSRYZ1
UTY-RHRYZ1
IR Receiver unit: UTY-LBTYM

Remote sensor unit: UTY-XSZXZ1
Long-life filter: UTD-LF60KA
External switch controller: UTY-TERX
WLAN adapter: UTY-TFSXJ3
External input and output PCB: UTY-XCSX+UTZ-GXEA
External Connect Kit: UTY-XWZXZG

Network Convertor for single split (DC power supply type): UTY-VTGX
Network Convertor for single split (AC power supply type): UTY-VTGXV
Silver Ion Filter: UTD-HFKB

(Outdoor unit)
External Connect Kit: UTY-XWZXZ3

Dimensions

(Unit: mm)

