

SPLIT

High Static Pressure Duct

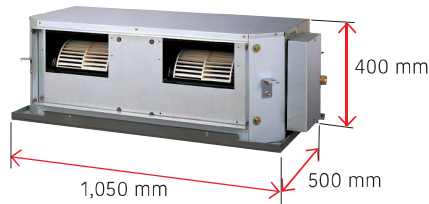


ALL DC



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.



R410A model

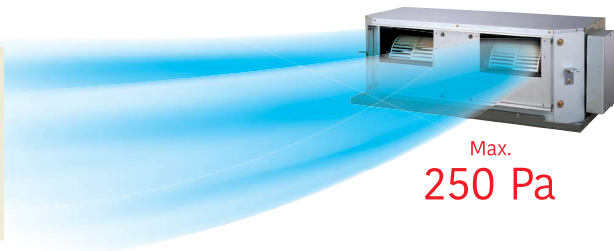
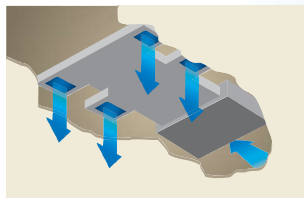


R32 model

Height -22.7%

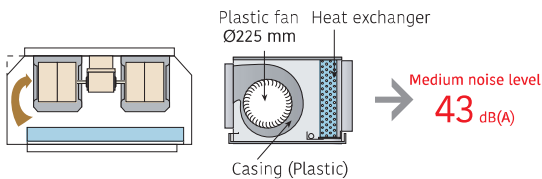
45 model

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.





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



Specifications

Model name	Indoor unit		ARXG45KHTB	ARXG54KHTB	ARXG45KHTB	ARXG54KHTB
	Outdoor unit		AOEG45KHTB	AOEG54KHTB	AOEG45KRTA	AOEG54KRTA
Power Source	Single phase, ~230 V, 50 Hz			3-phase, ~400 V, 50 Hz		
Capacity	Cooling	Rated	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		4.16/3.61	4.77/4.18	4.16/3.61	4.77/4.18
EER	Cooling		2.91	2.81	2.91	2.81
COP	Heating		3.74	3.71	3.74	3.71
Pdesign	Cooling/Heating (-10°C)		12.1 / 9.2	13.4 / 9.5	12.1 / 9.2	13.4 / 9.5
SEER	Cooling		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		28.5/28.5	28.5/28.5	14.0/14.0	14.0/14.0
Annual Energy Consumption	Cooling		-	-	-	-
	Heating		-	-	-	-
Moisture Removal			1.5	2.0	1.5	2.0
Sound Pressure Level	Indoor (Cooling)	H/M/L	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	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)			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)			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)			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
Heating		°CDB	-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 Inesis products, please refer to the compatibility list at the end of the "Control system & Optional parts" chapter.

Wired Remote Controller (Design type): UTY-RVRY	Remote sensor unit: UTY-XSZXZ1	Network Converter for single split (DC power supply type): UTY-VTGX
Compact wired remote controller: UTY-RCRYZ1	Long-life filter: UTD-LF60KA	Network Converter for single split (AC power supply type): UTY-VTGXV
Wired remote controller (touch panel): UTY-RNRYZ5	External switch controller: UTY-TERX	Silver Ion Filter: UTD-HFKB
Wired remote controller: UTY-RLRY	WLAN adapter: UTY-TFSXZ1	External Connect Kit: UTY-XWZXZG
Simple remote controller: UTY-RSRY	FG-AC-WIF1Z1	
IR Receiver unit: UTY-RHRY	External input and output PCB: UTY-XCSX+UTZ-GXEA	(Outdoor unit)
UTY-LBTYM		External Connect Kit: UTY-XWZXZ3

Dimensions

(Unit: mm)

