

SPLIT

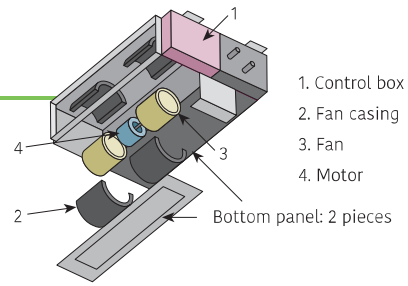
Medium Static Pressure Duct Standard



(30/36/45)

Easy maintenance

Structural improvement is attained by making the bottom panel in two pieces—front and rear. The internal fan casing is also manufactured in two pieces—upper and lower. As a result, the motor and fan can be easily accessed and maintained by removing the rear panel and the lower casing while leaving the main chassis in place.

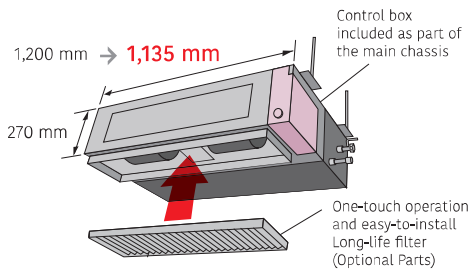


See below for case of rear-suction type

Slim & Compact design

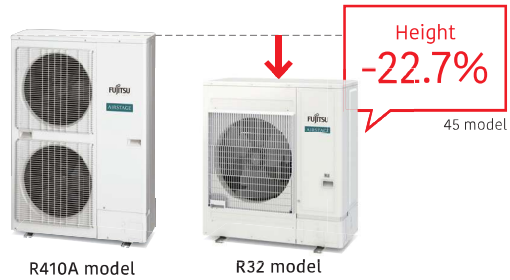
Indoor Unit

The slim and compact design of the indoor unit, with the control box mounted on the side, allows installation in narrow spaces.

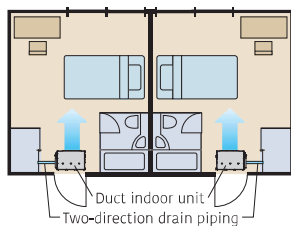


Outdoor Unit

The outdoor units for the 45,000 BTU and 54,000 BTU models have been completely redesigned. Easier installation is achieved for this compact and lightweight outdoor unit.



Two-direction drain piping



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: ARXG22KMLB / ARXG24KMLA / ARXG30KMLA / ARXG36KMLA / ARXG45KMLA
ARXG36KMLA [3-phase] / ARXG45KMLA [3-phase]**



Specifications

Model name	Indoor unit		ARXG22KMLB	ARXG24KMLA	ARXG30KMLA	ARXG36KMLA	ARXG45KMLA	ARXG36KMLA	ARXG45KMLA
	Outdoor unit		AOEG22KBTB	AOEG24KBTB	AOEG30KBTB	AOEG36KBTB	AOEG45KBTB	AOEG36KRTA	AOEG45KRTA
Power Source	Single phase, ~230 V, 50 Hz							3-phase, ~400 V, 50 Hz	
Capacity	Cooling	Rated	6.0	6.8	8.5	9.5	12.1	9.5	12.1
		Min.-Max.	0.9-6.7	0.9-8.0	2.8-10.0	2.8-11.2	4.0-13.0	2.8-11.2	4.0-13.0
	Heating	Rated	7.0	7.5	10.0	10.8	13.5	10.8	13.5
		Min.-Max.	0.9-8.0	0.9-9.1	2.7-11.2	2.7-12.7	4.2-15.2	2.7-12.7	4.2-15.2
Input Power	Cooling/Heating	kW	1.78/1.87	2.14/1.97	2.65/2.63	2.97/2.88	4.22/3.84	2.97/2.88	4.22/3.84
EER	Cooling	W/W	3.37	3.18	3.21	3.20	2.87	3.20	2.87
COP	Heating	W/W	3.74	3.80	3.80	3.75	3.52	3.75	3.52
Pdesign	Cooling/Heating (-10°C)	kW	6.0/4.8	6.8/6.0	8.5/8.0	9.5/8.7	12.1/9.2	9.5/8.7	12.1/9.2
SEER	Cooling	W/W	6.10	6.20	6.23	6.10	5.25	6.10	5.25
SCOP	Heating	W/W	4.10	4.10	4.00	4.00	3.63	4.00	3.63
Energy Efficiency Class	Cooling		A++	A++	A++	A++	-	A++	-
	Heating		A+	A+	A+	A+	-	A+	-
ηc		%	-	-	-	-	207.0	-	207.0
ηh		%	-	-	-	-	142.2	-	142.2
Max. Operating Current	Cooling/Heating	A	12.6/12.6	13.6/13.6	22.6/22.6	22.6/22.6	28.5/28.5	10.5/10.5	14.0/14.0
Annual Energy Consumption	Cooling	kWh/a	344	384	477	545	-	545	-
	Heating	kWh/a	1,637	2,045	2,797	3,044	-	3,044	-
Moisture Removal		l/h	2.1	2.5	2.5	3.0	4.0	3.0	4.0
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	31/29/27/25	31/29/27/25	39/35/30/26	39/35/30/26	42/38/32/28	39/35/30/26	42/38/32/28
	Indoor (Heating)	H/M/L/Q	31/29/27/25	31/29/27/25	42/35/30/26	42/35/30/26	42/38/32/28	42/35/30/26	42/38/32/28
Sound Power Level	Outdoor (Cooling/Heating)	High	51/51	53/54	53/55	55/55	57/57	55/55	57/57
	Indoor (Cooling/Heating)	High	60/62	60/62	65/69	65/70	68/70	65/70	68/70
Airflow Rate	Indoor (Cooling/Heating)	High	63/63	65/66	68/69	70/70	71/71	70/70	71/71
	Indoor/Outdoor (Cooling)	High	1,100/2,240	1,100/2,700	1,900/3,750	1,900/3,750	2,100/4,450	1,900/3,750	2,100/4,450
Static pressure range (Standard)	Indoor/Outdoor (Heating)	High	1,100/1,960	1,100/2,700	2,100/3,750	2,100/3,750	2,100/4,450	2,100/3,750	2,100/4,450
		Pa	30 to 150 (35)	30 to 150 (35)	30 to 150 (47)	30 to 150 (47)	30 to 150 (60)	30-150 (47)	30-150 (60)
Net Dimensions H x W x D	Indoor	mm	270 × 1,135 × 700	270 × 1,135 × 700	270 × 1,135 × 700	270 × 1,135 × 700	270 × 1,135 × 700	270 × 1,135 × 700	270 × 1,135 × 700
	Outdoor	mm	632 × 799 × 290	716 × 820 × 315	788 × 940 × 320	788 × 940 × 320	998 × 940 × 320	788 × 940 × 320	998 × 940 × 320
Weight	Indoor	kg	35	35	38	38	39	38	39
	Outdoor	kg	38	42	52	52	67	53	67
Connection Pipe Diameter (Liquid/Gas)		mm	6.35/12.70	6.35/12.70	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88
Drain Hose Diameter (I.D./O.D.)		mm	35.7/38.1	35.7/38.1	35.7/38.1	35.7/38.1	35.7/38.1	35.7/38.1	35.7/38.1
Max. Pipe Length (Pre-Charge)		m	30 (20)	30 (20)	50 (30)	50 (30)	50 (30)	50 (30)	50 (30)
Max. Height Difference		m	25	25	30	30	30	30	30
		°CDB	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46
Operating Range	Cooling	°CDB	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24
	Heating	°CDB	-15 to 24	-15 to 24	-15 to 24	-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)	R32 (675)	R32 (675)	R32 (675)
	Charge	kg (CO2eq-T)	1.25 (0.844)	1.25 (0.844)	1.90 (1.283)	1.90 (1.283)	2.70 (1.823)	1.90 (1.283)	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	WLAN adapter:	UTY-TFSXZ1	Network Converter for single split (DC power supply type):	UTY-VTGX
Compact wired remote controller:	UTY-RCRVZ1		FG-RC-WIFI22	Network Converter for single split (AC power supply type):	UTY-VTGVXV
Wired remote controller (touch panel):	UTY-RNRYZ5		UTY-TFSXJ3	Long-life filter:	UTD-LF25NA
Wired remote controller:	UTY-RLRY		FG-AC-WIFI21	Silver Ion Filter:	UTD-HFND
	UTY-RNNYM	Flange (Round):	UTD-RF204	External Connect Kit:	UTY-XWZXZG
	UTY-RVNYM	Flange (Square):	UTD-SF045T		
Simple remote controller (without operation mode):	UTY-RHRY	IR receiver unit:	UTY-LBTYM	(Outdoor unit 30/36/45)	
Simple remote controller:	UTY-RSRY	Remote sensor unit:	UTY-XSZXZ1	External Connect Kit:	UTY-XWZXZ3
External switch controller:	UTY-TERX	Drain pump unit:	UTZ-PXINBA		

Dimensions

(Unit: mm)

