Medium Static Pressure Duct

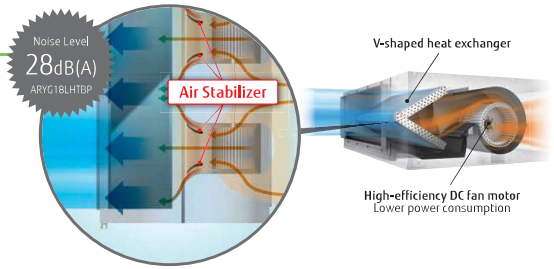
Compact Size

ALL DC

(30/36/45/54)

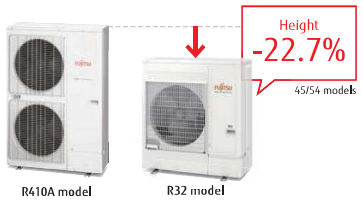
High-Efficiency & Quiet Operation

The combination of the V-shaped heat exchanger, air stabilizer, and the high-efficiency DC fan motor enable high-efficiency and quiet operation.



Small, lightweight outdoor unit

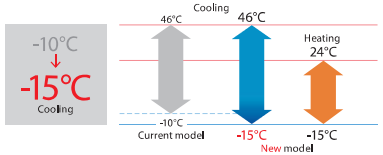
The outdoor unit in this series is smaller and lighter than previous-generation outdoor units. It can be installed in a narrow space.



Automatic Airflow adjustment function

This unique and innovative function detects required air flow in each application case and automatically adjust the volume.

Low ambient operation



Model: ARXG12KHTAP/ARXG14KHTAP/ARXG18KHTAP/ARXG22KHTAP/ARXG24KHTAP
ARXG30KHTAP/ARXG36KHTAP/ARXG45KHTAP/ARXG54KHTAP
ARXG36KHTAP [3-phase]/ARXG45KHTAP [3-phase]/ARXG54KHTAP [3-phase]

ARXG12/14KHTAP

ARXG18/22/24/30KHTAP

ARXG36/45/54KHTAP

For ARXG12/14KHTAP

For ARXG18/22KHTAP

For ARXG24KHTAP

For ARXG30/36KHTAP

For ARXG45/54KHTAP

Specifications

Model name				ARXG12KHTAP	ARXG14KHTAP	ARXG18KHTAP	ARXG22KHTAP	ARXG24KHTAP	ARXG30KHTAP	ARXG36KHTAP	ARXG45KHTAP	ARXG54KHTAP	ARXG36KHTAP	ARXG45KHTAP	ARXG54KHTAP
Outdoor unit				AOYG12KBTB	AOYG14KBTB	AOYG18KBTB	AOYG22KBTB	AOYG24KBTB	AOYG30KBTB	AOYG36KBTB	AOYG45KBTB	AOYG54KBTB	AOYG36KBTA	AOYG45KBTA	AOYG54KBTA
Power Source				Single phase, +230 V, 50 Hz									3-phase, +400 V, 50 Hz		
Capacity	Cooling		kW	3.5 (0.9-4.4)	4.3 (0.9-5.4)	5.2 (0.9-5.9)	6.0 (0.9-6.7)	6.8 (0.9-8.0)	8.5 (2.8-10.0)	9.5 (2.8-11.2)	12.1 (4.0-14.0)	13.4 (4.5-14.5)	9.5 (2.8-11.2)	12.1 (4.0-14.0)	13.4 (4.5-14.5)
	Heating			4.1 (0.9-5.7)	5.0 (0.9-6.5)	6.0 (0.9-7.5)	7.0 (0.9-8.0)	7.5 (0.9-9.1)	10.0 (2.1-11.2)	10.8 (2.7-12.7)	13.5 (4.3-16.2)	15.3 (4.7-16.5)	10.8 (2.7-12.7)	13.5 (4.3-16.2)	15.3 (4.7-16.5)
Input Power	Cooling/Heating		kW	0.87/1.00	1.17/1.25	1.56/1.56	1.77/1.84	1.89/1.85	2.65/2.63	2.86/2.48	3.53/3.37	4.42/3.80	2.86/2.48	3.53/3.37	4.42/3.80
EER	Cooling		W/W	4.02	3.68	3.82	3.51	3.60	3.21	3.32	3.43	3.03	3.32	3.43	3.03
COP	Heating			4.10	4.00	3.85	3.87	4.06	3.80	4.35	4.01	3.98	4.35	4.01	3.98
Pdesign	Cooling/Heating (-10°C)		kW	3.5/3.4	4.3/3.8	5.2/4.4	6.0/4.8	6.8/6.0	8.5/8.0	9.5/8.7	-	-	9.5/8.7	-	-
SEER	Cooling		W/W	6.30	6.20	6.50	6.50	6.50	6.23	6.10	-	-	6.10	-	-
SCOP	Heating (Average)			4.10	4.00	4.10	4.20	4.10	4.00	4.20	-	-	4.20	-	-
Energy Efficiency Class	Cooling			A++	A++	A++	A++	A++	A++	A++	-	-	A++	-	-
	Heating (Average)			A+	A+	A+	A+	A+	A+	A+	-	-	A+	-	-
Max. Operating Current	Cooling/Heating		A	9.0/9.7	10.2/10.2	12.1/12.1	12.6/12.6	13.6/13.6	22.6/22.6	22.6/22.6	28.5/28.5	28.5/28.5	10.5/10.5	14.0/14.0	14.0/14.0
Annual Energy Consumption	Cooling		kWh/a	194	243	280	323	366	477	546	-	-	546	-	-
	Heating			1,159	1,328	1,501	1,597	2,048	2,796	2,898	-	-	2,898	-	-
Moisture Removal			l/h	0.7	0.9	1.2	1.5	1.8	2.3	2.0	2.6	3.7	2.0	2.6	3.7
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	37/27/26/24	39/28/27/25	28/25/23/20	29/25/22/20	31/28/24/21	36/33/30/29	36/31/28/26	39/35/31/29	39/35/31/29	36/31/28/26	39/35/31/29	39/35/31/29
	Indoor (Heating)	H/M/L/Q		37/27/26/24	39/28/27/25	28/25/23/20	29/25/22/20	31/28/24/21	36/33/30/29	33/31/28/26	39/35/31/29	39/35/31/29	33/31/28/26	39/35/31/29	39/35/31/29
	Outdoor (Cooling/Heating)	High		47/47	49/49	50/50	51/51	53/54	53/55	55/55	57/57	57/59	55/55	57/57	57/59
Sound Power Level	Indoor (Cooling/Heating)	High		57/58	59/60	54/54	57/57	57/57	63/65	64/63	67/69	69/69	64/63	67/69	69/69
	Outdoor (Cooling/Heating)	High		61/61	62/62	62/62	63/63	63/66	69/69	70/70	71/71	73/73	70/70	71/71	73/73
Airflow Rate	Indoor/Outdoor (Cooling)	High	m^3/h	810/1,580	950/1,670	1,050/2,160	1,050/2,240	1,360/2,700	1,700/3,750	2,050/3,750	2,550/4,450	2,550/4,450	2,050/3,750	2,550/4,450	2,550/4,450
	Indoor/Outdoor (Heating)	High		810/1,520	950/1,580	1,050/1,830	1,050/1,960	1,360/2,700	1,700/3,750	1,850/3,750	2,550/4,450	2,550/4,450	1,850/3,750	2,550/4,450	2,550/4,450
Static pressure range (Standard)			Pa	30 to 200 (35)	30 to 200 (35)	30 to 200 (35)	30 to 200 (35)	30 to 200 (35)	30 to 200 (47)	30 to 200 (47)	30 to 200 (60)	30 to 200 (60)	30-200 (47)	30-200 (60)	30-200 (60)
Net Dimensions H x W x D	Indoor		mm	300 × 700 × 700	300 × 700 × 700	300 × 1000 × 700	300 × 1000 × 700	300 × 1,000 × 700	300 × 1,000 × 700	300 × 1,400 × 700	330 × 1,400 × 700	330 × 1,400 × 700	300 × 1,400 × 700	330 × 1,400 × 700	330 × 1,400 × 700
	Outdoor		mm	542 × 799 × 299	542 × 799 × 299	632 × 799 × 299	632 × 793 × 292	770 × 820 × 315	788 × 940 × 320	788 × 940 × 320	998 × 940 × 320	998 × 940 × 320	788 × 940 × 320	998 × 940 × 320	998 × 940 × 320
Weight	Indoor		kg (lbs)	27 (60)	27 (60)	35 (77)	35 (77)	36 (79)	36 (79)	46 (101)	46 (101)	46 (101)	46 (101)	46 (101)	46 (101)
	Outdoor		kg (lbs)	33 (73)	33 (73)	36 (79)	38 (84)	42 (93)	52 (115)	52 (115)	67 (148)	67 (149)	53 (117)	67 (148)	67 (149)
Connection Pipe Diameter (Liquid/Gas)			mm	6.35/9.52	6.35/9.52	6.35/12.70	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	9.52/15.88	9.52/15.88
Drain Hose Diameter (I.D./O.D.)				25/32	25/32	25/32	25/32	25/32	25/32	25/32	25/32	25/32	25/32	25/32	25/32
Max. Pipe Length (Pre-Charge)			m	25 (15)	25 (15)	30 (20)	30 (20)	30 (20)	50 (30)	50 (30)	50 (30)	50 (30)	50 (30)	50 (30)	50 (30)
Max. Height Difference				20	20	20	25	25	30	30	30	30	30	30	30
Operating Range	Cooling		°CDB	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-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	-15 to 24	-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)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)
	Charge		kg (O2eq-t)	0.95 (0.574)	0.95 (0.574)	1.02 (0.689)	1.25 (0.844)	1.25 (0.844)	1.90 (1.283)	1.90 (1.283)	2.70 (1.823)	2.70 (1.823)	1.90 (1.283)	2.70 (1.823)	2.70 (1.823)

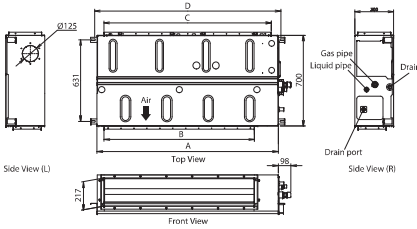
Optional parts

* For optional parts compatibility of Intesis devices, refer to the optional parts compatibility list Page G-046.

Compact wired remote controller:	UTY-RCRYZ1	External input and output PCB:	UTY-XCSX	WLAN adapter:	UTY-TFSXZ1
Wired remote controller (touch panel):	UTY-RNRYZ5	External connect kit:	UTY-XWZXZG		FJ-RC-WIFI-1
Wired remote controller:	UTY-RLRY	External input and output PCB:	UT2-GXNA	Network Convertor for single split (DC power supply type):	UTY-VTGX
	UTY-RNNYM	Long-life filter:	UTD-LFNA (36-54)	Network Convertor for single split (AC power supply type):	UTY-VTQXV
	UTY-RVNYM		UTD-LFNB (18-30)		
Simple remote controller (without operation mode):	UTY-RHRY		UTD-LFNC (12-14)	(Outdoor unit 30/36/45/54)	
Simple remote controller:	UTY-RSRY	Silver Ion Filter:	UTD-HFNC (12/14)	External connect kit:	UTY-XWZXZ3
	UTY-RSNYM		UTD-HFNB (18-30)		
Remote sensor unit:	UTY-XSZX		UTD-HFNA (36-54)		
External switch controller:	UTY-TERX	IR receiver unit:	UTY-LBTYM		

Dimensions

(Unit: mm)



	ARXG12/14KHTAP	ARXG18/22/24/30KHTAP	ARXG36/45/54KHTAP
A	700	1,000	1,400
B	462	762	1,162
C	650	895	1,295
D	740	1,040	1,440