

ECO Series Lineup Specifications



Compact cassette



Model name	Indoor unit		AUXG09KVLA	AUXG12KVLA	AUXG14KVLA	AUXG18KVLA	AUXG22KVLA	AUXG24KVLA	
	Outdoor unit		AOYG09KATA	AOYG12KATA	AOYG14KATA	AOYG18KATA	AOYG22KATA	AOYG24KATA	
Power Source			Single phase, ~230 V, 50 Hz						
Capacity	Cooling	kW	2.5 (0.9-2.7)	3.5 (0.9-3.7)	4.3 (0.9-4.5)	5.2 (0.9-5.4)	6.0 (0.9-6.3)	6.8 (0.9-7.4)	
	Heating		3.2 (0.9-3.9)	4.1 (0.9-4.4)	5.0 (0.9-5.3)	6.0 (0.9-6.3)	7.0 (0.9-7.4)	7.5 (0.9-8.6)	
Input Power	Cooling/Heating	kW	0.68/0.88	1.09/1.17	1.37/1.42	1.69/1.72	1.95/2.00	2.26/2.08	
EER	Cooling		W/W	3.68	3.21	3.14	3.08	3.08	3.01
COP	Heating			3.64	3.50	3.52	3.49	3.50	3.61
Pdesign	Cooling/Heating (-10°C)	kW	2.5/2.3	3.5/2.8	4.3/3.2	5.2/3.8	6.0/4.4	6.8/5.4	
SEER	Cooling			6.2	6.1	6.1	6.1	6.1	5.9
SCOP	Heating	W/W	4.0	4.0	4.0	3.9	3.9	3.8	
Energy Efficiency Class	Cooling			A++	A++	A++	A++	A++	A+
	Heating		A+	A+	A+	A	A	A	
Max. Operating Current	Cooling/Heating	A	6.9/6.9	7.7/7.7	9.2/9.2	10.1/10.1	11.6/11.6	12.6/12.6	
Annual Energy Consumption	Cooling		kWh/a	141	201	247	298	344	403
	Heating			804	979	1,120	1,362	1,578	1,988
Moisture Removal		l/h	0.6	1.2	1.5	2.2	2.6	2.7	
Sound Pressure Level	Indoor (Cooling)		dB(A)	33/31/29/27	37/34/30/27	38/34/30/27	38/34/30/26	44/42/36/30	49/44/36/30
	Indoor (Heating)	34/32/29/27		37/34/31/29	43/38/34/30	43/38/34/30	45/43/40/33	49/45/40/33	
	Outdoor (Cooling/Heating)	High		47/48	49/50	50/51	51/52	52/53	54/55
	Outdoor (Cooling/Heating)	High		46/47	49/49	50/55	50/55	56/57	59/61
Sound Power Level	Indoor (Cooling/Heating)	High	60/60	62/62	63/63	63/64	64/65	66/67	
	Outdoor (Cooling/Heating)		High	540/1,610	600/1,630	680/1,670	680/1,710	830/2,240	930/2,885
Airflow Rate	Indoor/Outdoor (Cooling)	m³/h	540/1,550	600/1,410	800/1,580	800/1,840	860/2,240	930/2,350	
	Indoor/Outdoor (Heating)		High	245 × 570 × 570	245 × 570 × 570	245 × 570 × 570	245 × 570 × 570	245 × 570 × 570	245 × 570 × 570
Net Dimensions	Indoor	mm	541 × 663 × 290	541 × 663 × 290	542 × 799 × 290	542 × 799 × 290	632 × 799 × 290	632 × 799 × 290	
H × W × D	Outdoor			15 (33)	15 (33)	15 (33)	15 (33)	16 (35)	16 (35)
Weight	Indoor	kg (lbs)	23 (51)	25 (55)	32 (71)	33 (73)	36 (79)	38 (84)	
	Outdoor			6.35/9.52	6.35/9.52	6.35/9.52	6.35/12.70	6.35/12.70	6.35/12.70
Connection Pipe Diameter (Liquid/Gas)		mm	25/32	25/32	25/32	25/32	25/32	25/32	
Drain port Diameter (I.D./O.D.)				15 (15)	15 (15)	20 (15)	20 (15)	25 (15)	25 (20)
Max. Pipe Length (Pre-Charge)		m	15	15	15	15	20	20	
Max. Height Difference				-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46
Operating Range	Cooling	°CDB	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	
	Heating			R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)
Refrigerant	Type (Global Warming Potential)	kg (CO2eq-T)	0.6 (0.405)	0.7 (0.473)	0.85 (0.574)	0.9 (0.608)	1.1 (0.743)	1.25 (0.844)	
	Charge			UTG-UFYF-W	UTG-UFYF-W	UTG-UFYF-W	UTG-UFYF-W	UTG-UFYF-W	UTG-UFYF-W
Cassette Grille	Model name		UTG-UKYA-W: White wired remote controller (touch panel) UTG-UKYC-W: White/UTG-UKYA-B*: Black						
	Dimensions (H × W × D)	mm	53 × 950 × 950	53 × 950 × 950	53 × 950 × 950	53 × 950 × 950	53 × 950 × 950	53 × 950 × 950	
	Weight		kg (lbs)	6.0 (13)	6.0 (13)	6.0 (13)	6.0 (13)	6.0 (13)	6.0 (13)

Circular cassette



Model name	Indoor unit		AUXG18KRLB	AUXG22KRLB	AUXG24KRLB	AUXG30KRLB	AUXG36KRLB	AUXG45KRLB	AUXG54KRLB	AUXG36KRLB	AUXG45KRLB	AUXG54KRLB		
	Outdoor unit		AOYG18KATA	AOYG22KATA	AOYG24KATA	AOYG30KATA	AOYG36KATA	AOYG45KATA	AOYG54KATA	AOYG36KATA	AOYG45KATA	AOYG54KATA		
Power Source			Single phase, ~230 V, 50 Hz									3-phase, ~400 V, 50 Hz		
Capacity	Cooling	kW	5.2 (0.9-5.4)	6.0 (0.9-6.3)	6.8 (0.9-7.4)	8.5 (2.8-9.6)	9.5 (2.8-10.6)	12.1 (4.0-12.6)	13.4 (4.5-13.8)	13.5 (4.2-15.0)	15.5 (4.7-16.0)	9.5 (2.8-10.6)	12.1 (4.0-12.6)	13.4 (4.5-13.8)
	Heating			6.0 (0.9-6.3)	7.0 (0.9-7.4)	7.5 (0.9-8.6)	10.0 (2.7-10.8)	10.8 (2.7-12.5)	13.5 (4.2-15.0)	15.5 (4.7-16.0)	10.8 (2.7-12.5)	13.5 (4.2-15.0)	15.5 (4.7-16.0)	
Input Power	Cooling/Heating	kW	1.60/1.66	1.85/1.93	2.12/1.97	2.56/2.64	3.06/2.58	4.32/3.77	4.87/4.86	3.06/2.58	4.32/3.77	4.87/4.86		
EER	Cooling		W/W	3.25	3.24	3.21	3.32	3.10	2.80	2.75	3.10	2.80	2.75	
COP	Heating			3.61	3.63	3.81	3.79	4.19	3.58	3.19	4.19	3.58	3.19	
Pdesign	Cooling/Heating (-10°C)	kW	5.2/3.8	6.0/4.4	6.8/5.4	8.5/8.0	9.5/8.7	-	-	9.5/8.7	-	-		
SEER	Cooling		W/W	6.2	6.2	6.1	6.1	6.1	-	-	6.1	-	-	
SCOP	Heating			4.1	4.1	4.0	4.0	4.0	-	-	4.0	-	-	
Energy Efficiency Class	Cooling		A+	A+	A+	A+	A+	-	-	A+	-	-		
	Heating			A+	A+	A+	A+	-	-	A+	-	-		
Max. Operating Current	Cooling/Heating	A	10.1/10.1	11.6/11.6	12.6/12.6	22.5/22.5	22.5/22.5	28.1/28.1	28.1/28.1	10.5/10.5	13.6/13.6	13.6/13.6		
Annual Energy Consumption	Cooling		kWh/a	293	338	390	488	545	-	-	545	-	-	
	Heating			1,297	1,502	1,887	2,794	3,044	-	-	3,044	-	-	
Moisture Removal		l/h	1.5	2.2	2.7	2.5	3.3	4.5	5.0	3.3	4.5	5.0		
Sound Pressure Level	Indoor (Cooling)		dB(A)	33/32/31/28	33/32/31/28	35/33/32/29	40/38/36/33	44/41/38/34	46/42/39/35	47/43/40/36	44/41/38/34	46/42/39/35	47/43/40/36	
	Indoor (Heating)	33/32/31/28		33/32/31/28	35/33/32/29	40/38/36/33	44/41/38/34	46/42/39/35	47/43/40/36	44/41/38/34	46/42/39/35	47/43/40/36		
	Outdoor (Cooling/Heating)	High		51/52	52/53	54/55	53/55	55/55	58/59	58/61	55/55	60/60	61/61	
	Outdoor (Cooling/Heating)	High		47/47	49/49	49/49	54/54	58/58	60/60	61/61	58/58	-	-	
Sound Power Level	Indoor (Cooling/Heating)	High	63/64	64/65	66/67	68/69	70/70	72/73	74/75	70/70	72/73	74/75		
	Outdoor (Cooling/Heating)		High	1,050/1,710	1,050/2,240	1,150/2,885	1,600/3,750	1,870/3,750	2,000/4,450	2,100/4,450	1,870/3,750	2,000/4,450	2,100/4,450	
Airflow Rate	Indoor/Outdoor (Cooling)	m³/h	1,050/1,840	1,050/2,240	1,150/2,350	1,600/3,750	1,870/3,750	2,000/4,450	2,100/4,780	1,870/3,750	2,000/4,450	2,100/4,780		
	Indoor/Outdoor (Heating)		High	246 × 840 × 840	246 × 840 × 840	246 × 840 × 840	288 × 840 × 840	288 × 840 × 840	288 × 840 × 840	288 × 840 × 840	288 × 840 × 840	288 × 840 × 840	288 × 840 × 840	
Net Dimensions	Indoor	mm	542 × 799 × 290	632 × 799 × 290	632 × 799 × 290	632 × 799 × 290	788 × 940 × 320	788 × 940 × 320	998 × 940 × 320	788 × 940 × 320	998 × 940 × 320	998 × 940 × 320		
H × W × D	Outdoor			23 (51)	23 (51)	24 (53)	26 (57)	29 (64)	29 (64)	29 (64)	29 (64)	29 (64)	29 (64)	
Weight	Indoor	kg (lbs)	33 (73)	36 (79)	38 (84)	52 (115)	52 (115)	61 (134)	63 (139)	53 (117)	62 (137)	63 (139)		
	Outdoor			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		
Connection Pipe Diameter (Liquid/Gas)		mm	25/32	25/32	25/32	25/32	25/32	25/32	25/32	25/32	25/32	25/32		
Drain port Diameter (I.D./O.D.)				20 (15)	25 (15)	25 (20)	30 (30)	30 (30)	30 (30)	30 (30)	30 (30)	30 (30)	30 (30)	
Max. Pipe Length (Pre-Charge)		m	15	20	20	30	30	30	30	30	30	30		
Max. Height Difference				-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 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	-15 to 24	-15 to 24	-15 to 24		
	Heating			R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)		
Refrigerant	Type (Global Warming Potential)	kg (CO2eq-T)	0.9 (0.608)	1.1 (0.743)	1.25 (0.844)	1.90 (1.283)	1.90 (1.283)	2.4 (1.620)	2.4 (1.620)	1.90 (1.283)	2.4 (1.620)	2.4 (1.620)		
	Charge			UTG-UKYA-W	UTG-UKYA-W	UTG-UKYA-W	UTG-UKYA-W	UTG-UKYA-W	UTG-UKYA-W	UTG-UKYA-W	UTG-UKYA-W	UTG-UKYA-W	UTG-UKYA-W	
Cassette Grille	Model name		UTG-UKYA-W: White wired remote controller (touch panel) UTG-UKYC-W: White/UTG-UKYA-B*: Black											
	Dimensions (H × W × D)	mm	53 × 950 × 950	53 × 950 × 950	53 × 950 × 950	53 × 950 × 950	53 × 950 × 950	53 × 950 × 950	53 × 950 × 950	53 × 950 × 950	53 × 950 × 950	53 × 950 × 950		
	Weight		kg (lbs)	6.0 (13)	6.0 (13)	6.0 (13)	6.0 (13)	6.0 (13)	6.0 (13)	6.0 (13)	6.0 (13)	6.0 (13)	6.0 (13)	