



A r c h i t e c t u r e

Air-conditioning Strategy Technical specifications

Site Address: 127B Oxford Rd, Manchester M1 7DY

Unit Area: 92 Sqm / 989.0 Sqft

Local Authority: Manchester City Council

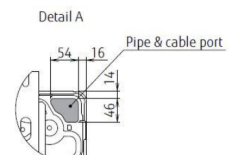
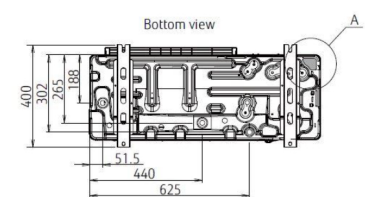
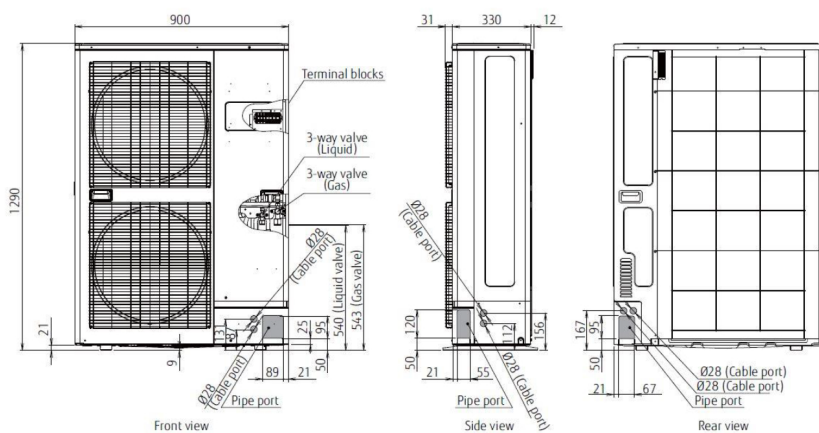
Multi split system (Air Conditioner) simultaneous Multi Twin/ Triple

A0YG54LATT (3PHASE)



Dimensions

Outdoor Unit: A0YG36LBTB / A0YG36LATT / A0YG54LBTB / **A0YG54LATT**





Wired R.C.



For ARYG24LMLA



For ARYG30/36LMLE



For ARYG36/45LMLA

Specifications

Model No.	Indoor unit		ARYG24LMLA	ARYG30LMLE	ARYG36LMLE	ARYG45LMLA	ARYG36LMLA	ARYG45LMLA	
	Outdoor unit		AOYG24LBCB	AOYG30LETL	AOYG36LETL	AOYG45LETL	AOYG36LATT	AOYG45LATT	
Power Source			Single-phase, ~230V, 50Hz				3-phase, ~400V, 50Hz		
Capacity	Cooling	kW	6.8 (0.9-8.0)	8.5 (2.8-10.0)	9.4 (2.8-11.2)	12.1 (4.0-13.3)	10.0 (4.7-11.4)	12.5 (5.0-14.0)	
	Heating		8.0 (0.9-9.1)	10.0 (2.7-11.2)	11.2 (2.7-12.7)	13.3 (4.2-15.5)	11.2 (5.0-14.0)	14.0 (5.4-16.2)	
UK Total / Sensible Cooling		kW	5.98 / 4.52	8.41 / 6.66	9.03 / 6.72	11.31 / 8.53	9.07 / 6.39	11.38 / 7.69	
Input Power	Cooling / Heating	kW	2.21 / 2.26	2.65 / 2.68	2.96 / 3.10	1.33 / 1.34	2.84 / 2.87	3.89 / 3.88	
EER	Cooling	W/W	3.08	3.21	3.18	3.77	3.52	3.21	
COP	Heating		3.54	3.73	3.61	3.68	3.90	3.61	
Pdesign	Cooling / Heating(-10°C)	kW	6.8 / 6.0	8.5 / 8.0	9.4 / 8.7	12.1 / 9.2	10.0 / 10.0	12.5 / 10.1	
SEER	Cooling	W/W	6.20	5.90	5.70	5.07 (LOT21)	5.80	5.06 (LOT21)	
SCOP	Heating		4.00	3.90	3.80	3.50 (LOT21)	4.00	3.61 (LOT21)	
Energy Efficiency Class	Cooling		A++	A+	A+	-	A+	-	
	Heating		A+	A	A	-	A+	-	
Annual Energy Consumption	Cooling	kWh/a	384	504	576	-	603	-	
	Heating		2099	2868	3202	-	3497	-	
Moisture Removal		l/h	2.5	2.5	3.0	4.0	3.0	4.5	
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	31 / 29 / 27 / 25	39 / 35 / 30 / 26	39 / 35 / 30 / 26	42 / 38 / 32 / 28	38 / 36 / 31 / 26	42 / 38 / 32 / 28
	Indoor (Heating)	H/M/L/Q		31 / 29 / 27 / 25	42 / 35 / 30 / 26	42 / 35 / 30 / 26	42 / 38 / 32 / 28	40 / 36 / 31 / 26	42 / 38 / 32 / 28
	Outdoor(Cooling/Heating)	High		52 / 53	53 / 55	54 / 55	55 / 55	51 / 53	54 / 54
Sound Power Level	Indoor(Cooling/Heating)	High		60 / 62	65 / 69	65 / 70	-	65 / 67	-
	Outdoor(Cooling/Heating)	High		67 / 70	68 / 69	69 / 70	-	67 / 69	-
Airflow Rate	Indoor / Outdoor	High	m³/h	1100 / 2470	1900 / 3600	1900 / 3800	2100 / 6750	1800 / 6200	2100 / 6750
Static pressure range (Standard)		Pa	30 to 150 (35)	30 to 150 (47)	30 to 150 (47)	0 to 150 (60)	30 to 150 (47)	30 to 150 (60)	
Net Dimensions H x W x D Weight	Indoor	mm	270×1135×700	270×1135×700	270×1135×700	270×1135×620	270×1135×700	270×1135×700	
		kg	38	40	40	40	40	40	
	Outdoor	mm	578×790×315	830×900×330	830×900×330	1290×900×330	1290×900×330	1290×900×330	
		kg	44	61	61	86	104	104	
Remote Controller Type (Supplied with unit)			Wired	Wired	Wired	Wired	Wired	Wired	
Interconnecting Cable (Suggested cable size 1.5mm)			3 Core + Earth				3 Core + Earth		
Suggested MCB Size		Amp	15	20	25	25	10	10	
Max. Operating Current	Cooling / Heating	Amp	12.0 / 13.5	17.0 / 17.0	18.5 / 20.0	21.0 / 21.0	8.5 / 8.5	9.5 / 9.5	
Power Supply To			Outdoor				Outdoor		
Connection Pipe Diameter (Gas & Liquid)		Inch	5/8 & 1/4	5/8 & 3/8	5/8 & 3/8	5/8 & 3/8	5/8 & 3/8	5/8 & 3/8	
Max Pipe Length (Factory Gas Charge Length)		m	30 (15)	50 (20)	50 (20)	50 (20)	75 (30)	75 (30)	
Max Height Difference			20	30	30	15	30	30	
Refrigerant	Type		R410A	R410A	R410A	R410A	R410A	R410A	
	Charge	g	1,700	2,100	2,100	3,350	3,450	3,450	
	Additional Charge	g/m	20	40	40	40	50	50	
Operation Range	Cooling	°CDB	-10 to 46	-15 to 46	-15 to 46	-10 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	
System List Price		£	1993	2467	2662	2999	2882	3145	



Wired R.C.



For AUYG30/36LRLE



For AUYG36/45/54LRLA

Specifications

Model No.	Indoor unit		AUYG30LRLE	AUYG36LRLE	AUYG45LRLA	AUYG54LRLA	AUYG36LRLA	AUYG45LRLA	AUYG54LRLA			
	Outdoor unit		AOYG30LETL	AOYG36LETL	AOYG45LETL	AOYG54LETL	AOYG36LATT	AOYG45LATT	AOYG54LATT			
Power Source			Single-phase, ~230V, 50Hz				3-phase, ~400V, 50Hz					
Nominal Capacity	Cooling	kW	8.5 (2.8-10.0)	10.0 (2.8-11.2)	12.5 (4.0-14.0)	13.3 (4.5-14.5)	10.0 (4.7-11.4)	12.5 (5.0-14.0)	14.0 (5.4-16.0)			
	Heating		10.0 (2.7-11.2)	11.2 (2.7-12.7)	14.0 (4.2-16.2)	16.0 (4.7-16.5)	11.2 (5.0-14.0)	14.0 (5.4-16.2)	16.0 (5.8-18.0)			
UK Total / Sensible Cooling			kW	8.63 / 6.22	10.53 / 7.58	11.66 / 8.63	12.28 / 9.01	9.27 / 6.42	11.63 / 7.64	12.87 / 8.51		
Input Power			kW	2.65 / 2.77	3.12 / 3.02	3.88 / 3.77	4.42 / 4.69	2.44 / 2.56	3.54 / 3.58	4.36 / 4.43		
EER	Cooling	W/W	3.21	3.21	3.22	3.01	4.10	3.53	3.21			
COP	Heating		3.61	3.71	3.71	3.41	4.38	3.91	3.61			
Pdesign			kW	8.5 / 8.0	10.0 / 8.7	12.5 / 9.2	13.3 / 9.5	10.0 / 10.0	12.5 / 10.1	14.0 / 10.4		
SEER			Cooling	6.50	6.30	6.63 (LOT21)	6.23 (LOT21)	6.50	6.33 (LOT21)	5.95 (LOT21)		
SCOP			Heating (Average)	4.30	4.20	4.10 (LOT21)	4.00 (LOT21)	4.30	4.17 (LOT21)	4.09 (LOT21)		
Energy Efficiency Class	Cooling			A++	A++	-	-	A++	-	-		
	Heating (Average)			A+	A+	-	-	A+	-	-		
Annual Energy Consumption	Cooling	kWh/a	458	555	-	-	573	-	-			
	Heating		2604	2897	-	-	3253	-	-			
Moisture Removal			l/h	2.5	3.5	4.5	5.0	3.0	4.5	5.0		
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	40/38/36/32	43/38/36/32	46/42/40/36	47/43/41/37	44/39/36/33	46/42/40/36	47/43/41/37		
	Indoor (Heating)	H/M/L/Q		40/38/36/32	43/38/36/32	46/42/40/36	47/43/41/37	44/39/36/33	46/42/40/36	47/43/41/37		
	Outdoor(Cooling/Heating)	High		53/55	54/55	55/55	55/57	51/53	54/54	55/56		
Sound Power Level	Indoor(Cooling/Heating)	High	54/54	57/57	-	-	58/58	-	-			
	Outdoor(Cooling/Heating)	High	68/69	69/70	-	-	67/69	-	-			
Airflow Rate			Indoor / Outdoor	High	m³/h	1600/3600	1800/3800	1900/6750	2000/6750	1800/6200	1900/6900	2000/6900
Net Dimensions			Indoor (ex grille)	mm	288x840x840	288x840x840	288x840x840	288x840x840	288x840x840	288x840x840	288x840x840	
H x W x D				kg	26	26	26	26	26	26	26	
Weight	Outdoor	mm	830×900×330	830×900×330	1290×900×330	1290×900×330	1290×900×330	1290×900×330	1290×900×330	1290×900×330		
		kg	61	61	86	86	104	104	104			
Remote Controller Type (Supplied with unit)			Wired	Wired	Wired	Wired	Wired	Wired	Wired	Wired		
Interconnecting Cable (Suggested cable size 1.5mm)			3 Core + Earth				3 Core + Earth					
Suggested MCB Size			Amp	20	25	25	25	16	16	16		
Max. Operating Current			Cooling / Heating	Amp	17.0 / 17.0	18.5 / 20.0	20.5 / 20.5	21.5 / 21.5	7.9 / 7.9	8.9 / 8.9	9.9 / 9.9	
Power Supply To			Outdoor				Outdoor					
Connection Pipe Diameter (Gas & Liquid)			Inch	5/8 & 3/8	5/8 & 3/8	5/8 & 3/8	5/8 & 3/8	5/8 & 3/8	5/8 & 3/8	5/8 & 3/8		
Max Pipe Length (Factory Gas Charge Length)			m	50 (20)	50 (20)	50 (20)	50 (20)	75 (30)	75 (30)	75 (30)		
Max Height Difference				30	30	30	30	30	30	30		
Refrigerant	Type			R410A	R410A	R410A	R410A	R410A	R410A	R410A		
	Charge	g	2,100	2,100	3,350	3,350	3,450	3,450	3,450			
	Additional Charge	g/m	40	40	40	40	50	50	50			
Operation Range	Cooling	°CDB	-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			
Cassette Grille	Model name		UTG-UGYA-W	UTG-UGYA-W	UTG-UGYA-W	UTG-UGYA-W	UTG-UGYA-W	UTG-UGYA-W	UTG-UGYA-W			
	Dimensions (H × W × D)		mm	50×950×950	50×950×950	50×950×950	50×950×950	50×950×950	50×950×950			
	Weight		kg	5.5	5.5	5.5	5.5	5.5	5.5			
System List Price			£	2265	2608	2828	3271	2621	2974	3449		

Specifications

(TENTATIVE)

Model No.	Indoor unit			Compact Cassette	
				AUYG18LVLB	AUYG24LVLA
Power Source				Single-phase, ~230V, 50Hz	
Airflow Rate (High)	Cooling	H/M/L/Q	m³/h	680/580/490/410	930/830/600/450
Net Dimension H × W × D			mm	245×570×570	245×570×570
Weight			kg(lbs)	15 (33)	16 (35)
Cassette Grille (To be ordered separately)				UTG-UFYD-W	UTG-UFYD-W

Model No.	Indoor unit			Duct		Floor/Ceiling Universal	
				ARYG18LLTB	ARYG24LMLA	ABYG18LVTB	ABYG24LVTA
Power Source				Single-phase, ~230V, 50Hz		Single-phase, ~230V, 50Hz	
Airflow Rate (High)	Cooling	H/M/L/Q	m ³ /h	1100/910/750/580	1100/910/750/580	780/700/560/500	980/820/680/540
Net Dimension H × W × D			mm	270 × 1135 × 700	270 × 1135 × 700	199 × 990 × 655	199 × 990 × 655
Weight			kg(lbs)	38 (84)	38 (84)	27 (60)	27 (60)
Filter (To be ordered separately)				-	UTDLF25NA	-	-

Model No.	Outdoor unit		AOYG36LBTB	AOYG54LBTB	AOYG36LATT	AOYG54LATT
Capacity	Cooling	kW	10.0	13.3	10.0	14.0
	Heating		11.2	15.0	11.2	16.0
Power Source			Single-phase, ~230V, 50Hz		3-phase, ~400V, 50Hz	
Pdesign	Cooling	kW	10.0	-	10.0	-
	Heating (-10°C)		10.0	-	10.0	-
SEER	Cooling	W/W	5.56	-	6.00	-
SCOP	Heating		3.90	-	4.00	-
Annual Energy Consumption	Cooling	kWh/a	629	-	583	-
	Heating		3588	-	3499	-
Energy Efficiency Class	Cooling		A	-	A+	-
	Heating		A	-	A+	-
Sound Pressure Level (High)	Cooling	dB(A)	52	55	51	55
Sound Power Level (High)	Heating		69	72	69	71
Net Dimension H × W × D		mm	1290×900×330	1290×900×330	1290×900×330	1290×900×330
Weight		kg(lbs)	93(205)	93(205)	104 (229)	104 (229)
Connection Pipe Diameter (Liquid / Gas)			3/8 / 5/8	3/8 / 5/8	3/8 / 5/8	3/8 / 5/8
Max Pipe Length (Pre-Charge)		m	75(30)	75(30)	75(30)	75(30)
Height Difference			30	30	30	30
Operation 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)		R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge	g	3,450	3,450	3,450	3,450
Separation tube			UTP-SX236A(Twin)	UTP-SX254A(Twin)/ UTP-SX354A(Triple)	UTP-SX236A (Twin)	UTP-SX254A (Twin) / UTP-SX354A (Triple)

Central Remote Controller Functions

Weekly schedule timer

The ON/OFF setting can be set for 4 times a day. Two weekly patterns can be set to match the cooling and heating seasons.

Low noise operation

Users can choose from 4 low noise levels, depending on the installation environment. The operation time can be set using the timer.

10°C heat operation

When you leave, minimum heating operation is performed to maintain the room temperature (maintain at 10°C).

Economy operation

Economy operation is energy saving, as the set temperature of indoor unit is shifted by 1°C and the maximum electric value of the outdoor unit is suppressed.

Prohibited Settings

The remote controller operation of all indoor units comes with a lock function to prevent unapproved operations in the various rooms. The central remote controller also has a key lock function to prevent children from playing with it, etc

