

2020-21 CEILING SUSPENDED SPLITS - R32

Economy Range - Ceiling Suspended - Single Phase



Indoor Unit Outdoor Unit		ABYG18KRTA AOYG18KATA	ABYG22KRTA AOYG22KATA	ABYG24KRTA AOYG24KATA	ABYG30KRTA AOYG30KATA
Nominal Cooling Capacity (Range)	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)
UK Cooling (Total / Sensible)	kW	5.01 / 3.62	5.85 / 4.12	6.63 / 4.97	8.08 / 5.23
Nominal Heating Capacity (Range)	kW	6.0(0.9 - 6.3)	7.0(0.9 - 7.4)	7.5(0.9 - 8.6)	10.0(2.7 - 10.8)
UK Heating	kW	5.58	6.39	7.43	9.29
EER Cooling / COP Heating		3.13 / 3.51	- / -	3.11 / 3.75	3.06 / 3.50
SEER / Energy Efficiency Class - Cooling		5.80 / A+	5.60 / A+	6.00 / A+	5.80 / A+
SCOP / Energy Efficiency Class - Heating		3.80 / A	3.80 / A	3.90 / A	3.90 / A
Annual Energy Consumption Cool / Heat	kWh/a	- / -	- / -	- / -	- / -
Pdesign Cooling / Heating (-10°C)	kW	5.2 / 3.8	6.0 / 4.4	6.8 / 5.4	8.5 / 8.0
Indoor Dimensions (H x W x D)	mm	235×1,080×705	235×1,080×705	235×1,390×705	235×1,390×705
Outdoor Dimensions (H x W x D)	mm	542×799×290	632×799×290	632×799×290	788×940×320
Weight Indoor / Outdoor	kg	24.0 / 33.0	24.0 / 36.0	31.0 / 38.0	31.0 / 52.0
Sound Pressure Level Indoor - min/max	dB(A)	- / 38	- / 42	- / 41	- / 45
Pipe Size (Liquid - Gas)	mm	1/4" - 12.7	1/4" - 12.7	1/4" - 12.7	3/8" - 5/8"
Max Pipe Len. (Precharge) / Height Diff.	m	20(15) / 15	25(15) / 20	25(20) / 20	30(30) / 30
Additional Refrigerant Charge	g/m	20	20	20	0
Ref. Type (Global Warming Potential)		R32(675)	R32(675)	R32(675)	R32(675)
Refrigerant Charge kg / CO2eq-T		0.9/ 0.608	1.1/ 0.743	1.25/ 0.844	1.90/ 1.283
Power Source / Suggested Fuse Size		1Ph-230V-50Hz / 16	1Ph-230V-50Hz / 16	1Ph-230V-50Hz / 16	1Ph-230V-50Hz / 25

Remote Controller (UTYRNRZY3)

System operating range, -10°C to 46°C Cooling -15°C to 24°C Heating

Economy Range - Ceiling Suspended - Single & Three Phase



Indoor Unit Outdoor Unit		ABYG36KRTA AOYG36KATA	ABYG45KRTA AOYG45KATA	ABYG36KRTA AOYG36KQTA	ABYG45KRTA AOYG45KQTA
Nominal Cooling Capacity (Range)	kW	9.5(2.8 - 10.6)	12.1(4.0 - 12.6)	9.5(2.8 - 10.6)	12.1(4.0 - 12.6)
UK Cooling (Total / Sensible)	kW	9.03 / 7.44	11.54 / 8.37	9.03 / 7.44	11.54 / 8.37
Nominal Heating Capacity (Range)	kW	10.8(2.7 - 12.5)	13.5(4.2 - 15.0)	10.8(2.7 - 12.5)	13.5(4.2 - 15.0)
UK Heating	kW	10.75	13.65	10.75	13.65
EER Cooling / COP Heating		3.04 / 3.56	2.50 / 3.23	3.04 / 3.56	2.50 / 3.23
SEER / Energy Efficiency Class - Cooling		5.60 / A+	- / -	5.60 / A+	- / -
SCOP / Energy Efficiency Class - Heating		3.90 / A	- / -	3.90 / A	- / -
Annual Energy Consumption Cool / Heat	kWh/a	- / -	- / -	- / -	- / -
Pdesign Cooling / Heating (-10°C)	kW	9.5 / 8.7	12.1 / 9.2	9.5 / -	12.1 / -
Indoor Dimensions (H x W x D)	mm	235×1,700×705	235×1,700×705	235×1,700×705	235×1,700×705
Outdoor Dimensions (H x W x D)	mm	788×940×320	988×940×320	788×940×320	998×940×320
Weight Indoor / Outdoor	kg	38.0 / 52.0	38.0 / 61.0	38.0 / 53.0	38.0 / 62.0
Sound Pressure Level Indoor - min/max	dB(A)	32 / 44	34 / 45	32 / 44	34 / 45
Pipe Size (Liquid - Gas)	mm	3/8" - 5/8"	3/8" - 5/8"	3/8" - 5/8"	3/8" - 5/8"
Max Pipe Len. (Precharge) / Height Diff.	m	30(30) / 30	50(30) / 30	30(30) / 30	50(30) / 30
Additional Refrigerant Charge	g/m	0	0	0	0
Ref. Type (Global Warming Potential)		R32(675)	R32(675)	R32(675)	R32(675)
Refrigerant Charge kg / CO2eq-T		1.90/ 1.283	2.70/ 1.823	1.90/ 1.283	2.70/ 1.823
Power Source / Suggested Fuse Size		1Ph-230V-50Hz / 25	1Ph-230V-50Hz / 32	3Ph-400V-50Hz / 16	3Ph-400V-50Hz / 16

Remote Controller (UTYRNRZY3)

System operating range, -10°C to 46°C Cooling -15°C to 24°C Heating

Standard Range - Ceiling Suspended - Single Phase



Indoor Unit Outdoor Unit		ABYG18KRTA AOYG18KBTB	ABYG22KRTA AOYG22KBTB	ABYG24KRTA AOYG24KBTB	ABYG30KRTA AOYG30KBTB
Nominal Cooling Capacity (Range)	kW	5.2(0.9 - 5.9)	6.0(0.9 - 6.7)	6.8(0.9 - 8.0)	8.5(2.8 - 10.0)
UK Cooling (Total / Sensible)	kW	5.01 / 3.62	5.85 / 4.12	6.63 / 4.97	8.08 / 5.23
Nominal Heating Capacity (Range)	kW	6.0(0.9 - 7.5)	7.0(0.9 - 8.0)	7.5(0.9 - 9.1)	10.0(2.7 - 11.2)
UK Heating	kW	6.64	6.91	7.86	9.63
EER Cooling / COP Heating		3.35 / 3.70	3.21 / 3.59	3.18 / 3.81	3.21 / 3.61
SEER / Energy Efficiency Class - Cooling		6.20 / A++	6.10 / A++	6.20 / A++	6.10 / A++
SCOP / Energy Efficiency Class - Heating		4.10 / A+	4.00 / A+	4.10 / A+	4.00 / A+
Annual Energy Consumption Cool / Heat	kWh/a	298 / 1,501	344 / 1,677	384 / 2,042	486 / 2,796
Pdesign Cooling / Heating (-10°C)	kW	5.2 / 4.4	6.0 / 4.8	6.8 / 6.0	8.5 / 8.0
Indoor Dimensions (H x W x D)	mm	235×1,080×705	235×1,080×705	235×1,390×705	235×1,390×705
Outdoor Dimensions (H x W x D)	mm	632×799×290	632×799×290	716×820×315	788×940×320
Weight Indoor / Outdoor	kg	24.0 / 36.0	24.0 / 38.0	31.0 / 42.0	31.0 / 52.0
Sound Pressure Level Indoor - min/max	dB(A)	31 / 38	31 / 42	29 / 41	32 / 45
Pipe Size (Liquid - Gas)	mm	1/4" - 12.7	1/4" - 12.7	1/4" - 12.7	3/8" - 5/8"
Max Pipe Len. (Precharge) / Height Diff.	m	30(20) / 20	30(20) / 25	30(20) / 25	50(30) / 30
Additional Refrigerant Charge	g/m	20	20	20	40
Ref. Type (Global Warming Potential)		R32(675)	R32(675)	R32(675)	R32(675)
Refrigerant Charge kg / CO2eq-T		1.02 / 0.689	1.25 / 0.844	1.25 / 0.844	1.90 / 1.283
Power Source / Suggested Fuse Size		1Ph-230V-50Hz / 16	1Ph-230V-50Hz / 16	1Ph-230V-50Hz / 16	1Ph-230V-50Hz / 25

Remote Controller (UTYRNRZY3)

System operating range, -15°C to 46°C Cooling -15°C to 24°C Heating

Standard Range - Ceiling Suspended - Single & Three Phase



Indoor Unit Outdoor Unit		ABYG36KRTA AOYG36KBTB	ABYG45KRTA AOYG45KBTB	ABYG36KRTA AOYG36KRTA	ABYG45KRTA AOYG45KRTA	ABYG54KRTA AOYG54KRTA
Nominal Cooling Capacity (Range)	kW	9.5(2.8 - 11.2)	12.1(4.0 - 13.5)	9.5(2.8 - 11.2)	12.1(4.0 - 13.5)	13.4(4.5 - 14.5)
UK Cooling (Total / Sensible)	kW	9.03 / 7.44	11.54 / 8.37	TBC / TBC	TBC / TBC	TBC / TBC
Nominal Heating Capacity (Range)	kW	10.8(2.7 - 12.7)	13.5(4.2 - 16.2)	10.8(2.7 - 12.7)	13.5(4.2 - 16.2)	15.5(4.7 - 16.5)
UK Heating	kW	10.92	14.74	TBC	TBC	TBC
EER Cooling / COP Heating		3.21 / 3.75	2.87 / 3.52	3.21 / 3.75	2.87 / 3.52	3.01 / 3.50
SEER / Energy Efficiency Class - Cooling		6.37 / A++	- / -	6.37 / A++	- / -	- / -
SCOP / Energy Efficiency Class - Heating		4.21 / A+	- / -	4.21 / A+	- / -	- / -
Annual Energy Consumption Cool / Heat	kWh/a	524 / 2,904	- / -	524 / 2,904	- / -	- / -
Pdesign Cooling / Heating (-10°C)	kW	9.5 / 8.7	12.1 / 9.2	9.5 / 8.7	12.1 / 9.2	13.4 / -
Indoor Dimensions (H x W x D)	mm	235×1,700×705	235×1,700×705	235×1,700×705	235×1,700×705	235×1,700×705
Outdoor Dimensions (H x W x D)	mm	788×940×320	998×940×320	788×940×320	998×940×320	998×940×320
Weight Indoor / Outdoor	kg	38.0 / 52.0	38.0 / 67.0	38.0 / 53.0	38.0 / 67.0	40.0 / 67.0
Sound Pressure Level Indoor - min/max	dB(A)	32 / 44	34 / 45	32 / 44	34 / 45	48 / 48
Pipe Size (Liquid - Gas)	mm	3/8" - 5/8"	3/8" - 5/8"	3/8" - 5/8"	3/8" - 5/8"	3/8" - 5/8"
Max Pipe Len. (Precharge) / Height Diff.	m	50 (30) / 30	50 (30) / 30	50(30) / 30	50(30) / 30	50(30) / 30
Additional Refrigerant Charge	g/m	40	40	TBC	TBC	TBC
Ref. Type (Global Warming Potential)		R32 (675)	R32 (675)	R32(675)	R32(675)	R32(675)
Refrigerant Charge kg / CO2eq-T		1.90 / 1.283	2.70 / 1.823	1.90 / 1.283	2.70 / 1.823	2.7 / 1.823
Power Source / Suggested Fuse Size		1Ph-230V-50Hz / 25	1Ph-230V-50Hz / 32	3Ph-400V-50Hz / 16 per phase		

Remote Controller (UTYRNRZY3)

System operating range, -15°C to 46°C Cooling -15°C to 24°C Heating