

CEILING SUSPENDED UNIT



STANDARD INVERTER (R32)

UUB1.U20

UUC1.U40

UV18F / UV24F / UV30F

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COMBINATION				18	24	30
Capacity	Cooling	Min - Rated - Max	kW	2.0 / 5.0 / 5.8	2.7 / 6.7 / 8.0	3.1 / 7.7 / 8.8
	Heating	Min - Rated - Max	kW	2.3 / 5.8 / 6.7	3.0 / 7.5 / 9.0	3.4 / 8.6 / 9.6
Power Input (Set)	Cooling	Min - Rated - Max	kW	0.30 / 1.33 / 1.86	0.40 / 1.99 / 2.69	0.50 / 2.25 / 3.08
	Heating	Min - Rated - Max	kW	0.40 / 1.76 / 2.46	0.40 / 2.2 / 3.08	0.50 / 2.5 / 3.20
Running Current	Cooling	Rated	A	7.5	8.8	10.0
	Heating	Rated	A	8.3	9.8	11.1
EER / COP			kWh/kWh	3.75 / 3.29	3.37 / 3.41	3.42 / 3.44
SEER / SCOP			kWh/kWh	6.6 / 4.3	7.2 / 4.2	6.8 / 4.4
Pdesign	Cooling @ 35		kW	5	6.7	7.7
	Heating @ -10		kW	4.2	4.9	5.4
Seasonal Energy Label	Cooling / Heating			A++ / A+	A++ / A+	A++ / A+
Annual Energy Consumption	Cooling / Heating		kWh	265 / 1,368	326 / 1,633	396 / 1,718
Dehumidification Rate			l/h	1.8	2.7	3.0
ODU Sound Pressure Level	Cooling / Heating	Rated	dB(A)	47 / 52	48 / 52	50 / 52
ODU Sound Power Level	Cooling	Rated	dB(A)	63	65	68
Piping Connections	Liquid		mm (inch)	∅ 6.35 (1/4)	∅ 9.52 (3/8)	∅ 9.52 (3/8)
	Gas		mm (inch)	∅ 12.7 (1/2)	∅ 15.88 (5/8)	∅ 15.88 (5/8)
	Connections Method		-	Flared	Flared	Flared
Operation Range (Outdoor)	Cooling	Min - Max	°	-15 ~ 50	-20 ~ 50	-20 ~ 50
	Heating	Min - Max	°	-20 ~ 18	-20 ~ 18	-20 ~ 18
INDOOR				UV18FN10	UV24FN10	UV30FN10
Power Supply			∅, V, Hz	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50
Power Input (IDU)		H / M / L	W	17 / 15 / 13	33 / 26 / 19	47 / 40 / 33
Air Flow Rate		H / M / L	m ³ /min	13 / 12 / 11	16 / 15 / 14	19 / 17.5 / 16
Dimensions	Body	W x H x D	mm	1,200 x 235 x 690	1,200 x 235 x 690	1,200 x 235 x 690
Weight	Body		kg	27.3	28	28
Sound Pressure Level	Cooling	H / M / L	dB(A)	42 / 40 / 39	46 / 45 / 43	46 / 44 / 43
Sound Power Level	Cooling	Max.	dB(A)	55	61	62
Piping Connections	Drain(Natural Drainage)	O.D. / I.D.	mm	∅ 25.0 / 20.5	∅ 25.0 / 20.5	∅ 25.0 / 20.5
	Drain(Using Drain Pump)	O.D. / I.D.	mm	∅ 32.0 / 26.0	∅ 32.0 / 26.0	∅ 32.0 / 26.0

OUTDOOR				UUB1.U20	UUC1.U40
Power Supply			∅, V, Hz	1, 220-240, 50	1, 220-240, 50
Circuit Breaker		Min	A	20	25
Power Supply Cable (included Earth)			No x mm ³	3C x 2.5	3C x 2.5
Dimensions	Net	W x H x D	mm	870 x 650 x 330	950 x 834 x 330
Weight	Net		kg	44.5	57.7
Compressor	Type		-	Twin Rotary	Twin Rotary
	Type		-	R32	R32
Refrigerant	GWPP (Global Warming Potential)		-	675	675
	Precharged Amount		kg	1.2	1.9
	t-CO ₂ eq.		-	0.81	1.283
	Additional Charge (After 7.5m)		g/m	20	40
Fan	Air Flow Rate	Rated	m ³ /min x No.	50 x 1	58 x 1
Total Piping Length		Min / Max	m	5 / 30	5 / 50
Piping Elevation	IDU - ODU	Max	m	30	30

CEILING SUSPENDED UNIT

STANDARD INVERTER (R32)

UV36F / UV42F / UV48F / UV60F

UUD1.U30



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COMBINATION				36	42	48	60
Capacity	Cooling	Min - Rated - Max	kW	3.8 - 9.5 - 12.5	4.8 - 12.1 - 14.2	5.4 - 13.4 - 15.7	5.8 - 14.4 - 15.6
	Heating	Min - Rated - Max	kW	4.3 - 10.8 - 13.4	5.4 - 13.5 - 15.8	6.2 - 15.5 - 17.5	6.7 - 16.8 - 18.1
Power Input (Set)	Cooling	Min - Rated - Max	kW	0.50 - 2.65 - 4.03	0.80 - 3.90 - 5.07	0.90 - 4.50 - 5.85	1.10 - 5.33 - 5.97
	Heating	Min - Rated - Max	kW	0.50 - 2.60 - 3.54	0.80 - 3.75 - 4.88	0.90 - 4.77 - 5.82	1.10 - 5.60 - 6.44
Running Current	Cooling	Rated	A	11.7	17.0	19.7	23.6
	Heating	Rated	A	11.4	16.5	20.6	24.6
EER / COP			kWh/kWh	3.59 / 4.15	3.10 / 3.60	2.98 / 3.25	2.70 / 3.00
SEER / SCOP			kWh/kWh	6.3 / 4.1	6.3 / 4.1	5.9 / 4.1	5.7 / 4.1
Pdesign	Cooling @ 35		kW	9.5	12.1	13.4	14.4
	Heating @ -10		kW	9.5	9.5	9.5	9.5
Seasonal Energy Label	Cooling / Heating			A++ / A+	- / -	- / -	- / -
Annual Energy Consumption	Cooling / Heating		kWh	528 / 3,244	1,152 / 3,244	1,363 / 3,244	1,516 / 3,244
Dehumidification Rate			l/h	3.6	5.5	6.3	7.1
ODU Sound Pressure Level	Cooling / Heating	Rated	dB(A)	50 / 50	51 / 52	52 / 53	54 / 54
ODU Sound Power Level	Cooling	Rated	dB(A)	66	69	69	71
	Heating	Rated	dB(A)	66	69	69	71
Piping Connections	Liquid		mm (inch)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)
	Gas		mm (inch)	Ø 15.88 (5/8)	Ø 15.88 (5/8)	Ø 15.88 (5/8)	Ø 15.88 (5/8)
	Connections Method			Flared	Flared	Flared	Flared
Operation Range (Outdoor)	Cooling	Min - Max		-20 - 52	-20 - 52	-20 - 52	-20 - 52
	Heating	Min - Max		-25 - 18	-25 - 18	-25 - 18	-25 - 18
INDOOR				UV36F.N20	UV42F.N20	UV48F.N20	UV60F.N20
Power Supply			Ø, V, Hz	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50
Power Input (IDU)		H / M / L	W	50 / 35 / 28	50 / 35 / 28	59 / 40 / 28	59 / 40 / 28
Air Flow Rate		H / M / L	m ³ /min	28 / 24 / 20	28 / 24 / 20	30 / 25 / 20	30 / 25 / 20
Dimensions	Body	W x H x D	mm	1,600 x 235 x 690	1,600 x 235 x 690	1,600 x 235 x 690	1,600 x 235 x 690
Weight	Body		kg	36.7	36.7	36.7	36.7
Sound Pressure Level	Cooling	H / M / L	dB(A)	46 / 43 / 40	46 / 43 / 40	48 / 44 / 40	48 / 44 / 40
Sound Power Level	Cooling	Max.	dB(A)	62	62	63	63
Piping Connections	Drain(Natural Drainage)	O.D. / I.D.	mm	Ø 25.0 / 20.5	Ø 25.0 / 20.5	Ø 25.0 / 20.5	Ø 25.0 / 20.5
	Drain(Using Drain Pump)	O.D. / I.D.	mm	Ø 32.0 / 26.0	Ø 32.0 / 26.0	Ø 32.0 / 26.0	Ø 32.0 / 26.0

OUTDOOR				UUD1.U30	
Power Supply			Ø, V, Hz	1, 220-240, 50	
Circuit Breaker		Min	A	40	
Power Supply Cable (included Earth)			No x mm ³	3C x 6.0	
Dimensions	Net	W x H x D	mm	950 x 1,380 x 330	
Weight	Net		kg	85	
Compressor	Type			Inverter Scroll	
	Type			R32	
Refrigerant	GWP (Global Warming Potential)			675	
	Precharged Amount		kg	3.0	
	t-CO ₂ eq.			2.025	
	Additional Charge (After 7.5m)		g/m	40	
Fan	Air Flow Rate	Rated	m ³ /min x No.	55 x 2	
Total Piping Length		Min / Max	m	5 / 85	
Piping Elevation	IDU - ODU	Max	m	30	

CEILING SUSPENDED UNIT



STANDARD INVERTER (R32)

UV36F / UV42F / UV48F / UV60F



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UUD3.U30



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COMBINATION				36	42	48	60
Capacity	Cooling	Min - Rated - Max	kW	3.8 - 9.5 - 12.5	4.8 - 12.1 - 14.2	5.4 - 13.4 - 15.7	5.8 - 14.4 - 15.6
	Heating	Min - Rated - Max	kW	4.3 - 10.8 - 13.4	5.4 - 13.5 - 15.8	6.2 - 15.5 - 17.5	6.7 - 16.8 - 18.1
Power Input (Set)	Cooling	Min - Rated - Max	kW	0.50 - 2.65 - 4.03	0.80 - 3.90 - 5.07	0.90 - 4.50 - 5.85	1.10 - 5.33 - 5.97
	Heating	Min - Rated - Max	kW	0.50 - 2.60 - 3.54	0.80 - 3.75 - 4.88	0.90 - 4.77 - 5.82	1.10 - 5.60 - 6.44
Running Current	Cooling	Rated	A	4.2	6.1	7.0	8.2
	Heating	Rated	A	4.1	5.9	7.3	8.5
EER / COP			kWh/kWh	3.59 / 4.15	3.10 / 3.60	2.98 / 3.25	2.70 / 3.00
SEER / SCOP			kWh/kWh	6.3 / 4.1	6.3 / 4.1	5.9 / 4.1	5.7 / 4.1
Pdesign	Cooling @ 35ℓ		kW	9.5	12.1	13.4	14.4
	Heating @ -10ℓ		kW	9.5	9.5	9.5	9.5
Seasonal Energy Label	Cooling / Heating			A++ / A+	- / -	- / -	- / -
Annual Energy Consumption	Cooling / Heating		kWh	528 / 3,244	1,152 / 3,244	1,363 / 3,244	1,516 / 3,244
Dehumidification Rate			l/h	3.6	5.5	6.3	7.1
ODU Sound Pressure Level	Cooling / Heating	Rated	dB(A)	50 / 50	51 / 52	52 / 53	54 / 54
ODU Sound Power Level	Cooling	Rated	dB(A)	66	69	69	71
Piping Connections	Liquid		mm (inch)	∅ 9.52 (3/8)	∅ 9.52 (3/8)	∅ 9.52 (3/8)	∅ 9.52 (3/8)
	Gas		mm (inch)	∅ 15.88 (5/8)	∅ 15.88 (5/8)	∅ 15.88 (5/8)	∅ 15.88 (5/8)
	Connections Method			Flared	Flared	Flared	Flared
Operation Range (Outdoor)	Cooling	Min - Max	ℓ	-20 - 52	-20 - 52	-20 - 52	-20 - 52
	Heating	Min - Max	ℓ	-25 - 18	-25 - 18	-25 - 18	-25 - 18
INDOOR				UV36F.N20	UV42F.N20	UV48F.N20	UV60F.N20
Power Supply			∅, V, Hz	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50
Power Input (IDU)		H / M / L	W	50 / 35 / 28	50 / 35 / 28	59 / 40 / 28	59 / 40 / 28
Air Flow Rate		H / M / L	m ³ /min	28 / 24 / 20	28 / 24 / 20	30 / 25 / 20	30 / 25 / 20
Dimensions	Body	W x H x D	mm	1,600 x 235 x 690	1,600 x 235 x 690	1,600 x 235 x 690	1,600 x 235 x 690
Weight	Body		kg	36.7	36.7	36.7	36.7
Sound Pressure Level	Cooling	H / M / L	dB(A)	46 / 43 / 40	46 / 43 / 40	48 / 44 / 40	48 / 44 / 40
Sound Power Level	Cooling	Max.	dB(A)	62	62	63	63
Piping Connections	Drain(Natural Drainage)	O.D. / I.D.	mm	∅ 25.0 / 20.5	∅ 25.0 / 20.5	∅ 25.0 / 20.5	∅ 25.0 / 20.5
	Drain(Using Drain Pump)	O.D. / I.D.	mm	∅ 32.0 / 26.0	∅ 32.0 / 26.0	∅ 32.0 / 26.0	∅ 32.0 / 26.0

OUTDOOR				UUD3.U30
Power Supply			∅, V, Hz	3, 380-415, 50
Circuit Breaker		Min	A	20
Power Supply Cable (included Earth)			No x mm ³	5C x 2.5
Dimensions	Net	W x H x D	mm	950 x 1,380 x 330
Weight	Net		kg	85
Compressor	Type			Inverter Scroll
Refrigerant	Type			R32
	GWP (Global Warming Potential)			675
	Precharged Amount		kg	3.0
	t-CO ₂ eq.			2.025
	Additional Charge (After 7.5m)		g/m	40
Fan	Air Flow Rate	Rated	m ³ /min x No.	55 x 2
Total Piping Length		Min / Max	m	5 / 85
Piping Elevation	IDU - ODU	Max	m	30

COMPACT CEILING SUSPENDED UNIT

COMPACT OUTDOOR UNIT (R32)

UV18F / UV24F / UV30F / UV36F



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UUA1.U10

UUB1.U20

UUC1.U40



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COMBINATION				18	24	30	36
Capacity	Cooling	Min - Rated - Max	kW	1.8 / 5.0 / 5.5	2.7 / 6.8 / 7.5	3.0 / 7.5 / 8.3	3.8 / 9.5 / 10.5
	Heating	Min - Rated - Max	kW	2.2 / 5.3 / 5.8	2.9 / 7.3 / 8.4	3.2 / 8.0 / 8.8	4.1 / 10.3 / 11.5
Power Input (Set)	Cooling	Min - Rated - Max	kW	0.32 / 1.62 / 1.93	0.40 / 2.06 / 2.47	0.50 / 2.42 / 2.90	0.70 / 3.28 / 3.87
	Heating	Min - Rated - Max	kW	0.30 / 1.44 / 1.86	0.40 / 2.23 / 2.90	0.50 / 2.48 / 3.22	0.60 / 2.78 / 3.45
Running Current	Cooling	Rated	A	7.2	9.0	10.6	14.6
	Heating	Rated	A	6.4	9.7	10.8	12.3
EER / COP			kWh/kWh	3.10 / 3.70	3.30 / 3.28	3.10 / 3.23	2.90 / 3.70
SEER / SCOP			kWh/kWh	6.6 / 4.6	6.6 / 4.2	6.6 / 4.3	6.1 / 4.2
Pdesign	Cooling @ 35 ^o		kW	5	6.8	7.5	9.5
	Heating @ -10 ^o		kW	2.9	4.3	4.4	5.5
Seasonal Energy Label	Cooling / Heating		-	A++ / A++	A++ / A+	A++ / A+	A++ / A+
Annual Energy Consumption	Cooling / Heating		kWh	265 / 883	361 / 1,433	398 / 1,433	545 / 1,833
Dehumidification Rate			l/h	1.7	2.4	2.8	3.6
ODU Sound Pressure Level	Cooling / Heating	Rated	dB(A)	49 / 52	48 / 53	50 / 54	54 / 56
ODU Sound Power Level	Cooling	Rated	dB(A)	65	65	67	70
Piping Connections	Liquid		mm (inch)	∅ 6.35 (1/4)	∅ 9.52 (3/8)	∅ 9.52 (3/8)	∅ 9.52 (3/8)
	Gas		mm (inch)	∅ 12.7 (1/2)	∅ 15.88 (5/8)	∅ 15.88 (5/8)	∅ 15.88 (5/8)
	Connections Method		-	Flared	Flared	Flared	Flared
Operation Range (Outdoor)	Cooling	Min - Max	°	-10 - 50	-10 - 48	-10 - 48	-20 - 50
	Heating	Min - Max	°	-10 - 18	-15 - 18	-15 - 18	-15 - 18
INDOOR				UV18F.N10	UV24F.N10	UV30F.N10	UV36F.N20
Power Supply			∅, V, Hz	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50
Power Input (IDU)		H / M / L	W	17 / 15 / 13	33 / 26 / 19	47 / 40 / 33	50 / 35 / 28
Air Flow Rate		H / M / L	m ³ / min	13 / 12 / 11	16 / 15 / 14	19 / 17.5 / 16	28 / 24 / 20
Dimensions	Body	W x H x D	mm	1,200 x 235 x 690	1,200 x 235 x 690	1,200 x 235 x 690	1,600 x 235 x 690
Weight	Body		kg	27.3	28	28	36.7
Sound Pressure Level	Cooling	H / M / L	dB(A)	42 / 40 / 39	46 / 45 / 43	46 / 44 / 43	46 / 43 / 40
Sound Power Level	Cooling	Max.	dB(A)	55	61	62	62
Piping Connections	Drain(Natural Drainage)	O.D. / I.D.	mm	∅ 25.0 / 20.5	∅ 25.0 / 20.5	∅ 25.0 / 20.5	∅ 25.0 / 20.5
	Drain(Using Drain Pump)	O.D. / I.D.	mm	∅ 32.0 / 26.0	∅ 32.0 / 26.0	∅ 32.0 / 26.0	∅ 32.0 / 26.0

OUTDOOR				UUA1.U10	UUB1.U20	UUC1.U40
Power Supply			∅, V, Hz	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50
Circuit Breaker		Min	A	15	20	25
Power Supply Cable (included Earth)			No x mm ³	3C x 2.5	3C x 2.5	3C x 2.5
Dimensions	Net	W x H x D	mm	770 x 545 x 288	870 x 650 x 330	950 x 834 x 330
Weight	Net		kg	33.3	44.5	57.7
Compressor	Type		-	Twin Rotary	Twin Rotary	Twin Rotary
	Type		-	R32	R32	R32
	GWP (Global Warming Potential)		-	675	675	675
Refrigerant	Precharged Amount		kg	1.0	1.2	1.9
	t-CO ₂ eq.		-	0.675	0.81	1.283
	Additional Charge (After 7.5m)		g/m	20	40	40
Fan	Air Flow Rate	Rated	m ³ /min x No.	28 x 1	50 x 1	58 x 1
Total Piping Length		Min / Max	m	5 / 30	5 / 35	5 / 50
Piping Elevation	IDU - ODU	Max	m	30	30	30