CEILING CONCEALED DUCTS

LG Business Solutions

SET MODEL				UU12W	UU18WC	UU24WC	UU30WC	UU36WC	UU37W	UU49WC1	UU61WC1
				CB12	UM18WC	UM24WC	UM30WC	UM36WC	UM36	UM48WC	UM60WC
Capacity	Cooling	Min. ~ Rated ~ Max.	kW	1.40 ~ 3.40 ~ 3.70	1.8 ~ 5.2 ~ 5.5	2.8 ~ 7.0 ~ 8.1	3.0 ~ 7.8 ~ 8.5	3.6 ~ 9.5 ~ 10.5	4.00 ~ 10.0 ~ 11.0	5.6 ~ 14.1 ~ 15.1	6.3 ~ 15.8 ~ 16.8
	Heating	Min. ~ Rated ~ Max.	kW	1.60 ~ 4.00 ~ 4.50	1.9 ~ 5.3 ~ 6.1	3.0 ~ 7.6 ~ 8.7	3.2 ~ 8.0 ~ 9.0	4.0 ~ 10.5 ~ 11.5	4.50 ~ 11.2 ~ 12.3	6.3 ~ 15.8 ~ 16.8	6.8 ~ 17 ~ 18.2
Power Input	Cooling	Rated	kW	0,950	1,70	2,33	2,59	3,16	3,120	4390,00	5210,00
	Heating	Rated	kW	1,050	1650,00	2300,00	2650,00	3080,00	3,190	4630,00	4860,00
Running Current	Cooling	Rated	A	4,20	8,00	10,50	11,50	14,00	4,70	6,80	7,80
	Heating	Rated	A	4,60	7,10	10,00	10,50	13,00	4,90	6,70	6,70
EER / COP	Cooling[1] / Heating		W / W	3.58 / 3.81	3.06 / 3.21	3.01 / 3.30	3.01 / 3.01	3.01 / 3.41	3.22 / 3.51	3.21 / 3.41	3.03 / 3.50
INDOOR UNIT				**CB12**	**UM18WC**	**UM24WC**	**UM30WC**	**UM36WC**	**UM36**	**UM48WC**	**UM60WC**
Power Supply			V, Ø, Hz	220-240, 1, 50	220-240 , 1 , 50	220-240 , 1 , 50	220-240 , 1 , 50	220-240 , 1 , 50	220-240, 1, 50	220-240 , 1 , 50	220-240 , 1 , 50
				220, 1, 60	220 , 1 , 60	220 , 1 , 60	220 , 1 , 60	220 , 1 , 60	220, 1, 60	220 , 1 , 60	220 , 1 , 60
Power Input		Min./Nom./Max.	W	95	80	90	150	210	210	180	290
Running Current			A	0,8	0,40	0,5	0,8	1,3	1,30	1,1	1,65
Dimensions	Body	W x H x D	mm	900 × 190 × 700	900 × 270 × 700	900 × 270 × 700	900 × 270 × 700	1,250 × 270 × 700	1,250 × 270 × 700	1,250 x 360 x 700	1,250 x 360 x 700
Net Weight			kg (lbs)	23.0 (50.7)	23.8 (52.5)	24.2 (53.4)	25.3 (55.8)	36.0 (79.4)	36.0 (79.4)	42.3 (93.3)	42.3 (93.3)
Heat Exchanger	(Row x Column x FPI) x No.			(2 x 11 x 18) x 1	(2 x 13 x 18) x 1	(2 x 13 x 18) x 1	(3 x 13 x 18) x 1	(2 x 13 x 18) x 1	(2 x 13 x 18) x 1	(3 x 16 x 18) x 1	(3 x 16 x 18) x 1
	Face Area		m2 (ft2)	0.17 (1.81)	0.21 (2.26)	0.21 (2.26)	0.21 (2.26)	0.30 (3.27)	0.30 (3.27)	0.36 (3.88)	0.36 (3.88)
Fan	Type		-	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Air Flow Rate	H / M / L	m3/min	10.0 / 8.5 / 7.0	16.5 / 14.5 / 13.0	18.0 / 16.5 / 14.5	22.0 / 20.0 / 18.0	32.0 / 28.0 / 24.0	32.0 / 28.0 / 24.0	40.0 / 34.0 / 28.0	50.0 / 45.0 / 40.0
Fan Motor	Type		-	BLDC	BLDC	BLDC	BLDC	BLDC	BLDC	BLDC	BLDC
	Output		W x No.	19 x 1 + 5 x 1	136.5 x 1	136.5 x 1	136.5 x 1	350 x 1	295 x 1	400 x 1	400 x 1
External static pressure	High Mode_Factory Set			24.5 (2.5)	58.8 (6)	58.8 (6)	58.8 (6)	58.8 (6)	58.8 (6)	58.8 (6)	58.8 (6)
Dehumidification Rate			l /h (pts/h)	1.2 (2.6)	1.3 (2.7)	2.6 (5.5)	2.6 (5.5)	2.6 (5.5)		3.9(8.1)	3.9(8.1)
Sound Pressure Level	Cooling	H / M / L	dB(A)	31 / 28 / 27	36 / 34 / 32	37 / 36 / 34	39 / 37 / 36	38 / 36 / 35	38 / 36 / 34	41 / 39 / 37	44 / 42 / 41
	Heating	H / M / L	dB(A)	31 / 28 / 27	36 / 34 / 32	37 / 36 / 34	39 / 37 / 36	38 / 36 / 35	38 / 36 / 34	41 / 39 / 37	44 / 42 / 41
Piping Connections	Liquid		mm(inch)	Ø 6.35 (1/4)	Ø 6.35(1/4)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)
	Gas		mm(inch)	Ø 9.52 (3/8)	Ø 12.7(1/2)	Ø 15.88 (5/8)	Ø 15.88 (5/8)	Ø 15.88 (5/8)	Ø 15.88 (5/8)	Ø 19.05 (3/4)	Ø 19.05 (3/4)
	Drain	O.D. / I.D.	mm	Ø 32.0(1-1/4) / 25.0(31/32)	Ø 32 / 25	Ø 32 / 25	Ø 32 / 25	Ø 32 / 25	Ø 32.0(1-1/4) / 25.0(31/32)	Ø 32 / 25	Ø 32 / 25
Safety Devices			-	Fuse	Fuse	Fuse	Fuse	Fuse	Fuse	Fuse	Fuse
Power and Communication Cable (included Earth)			No. x mm2 (AWG)	4C x 0.75 (18)	4C x 0.75 (18)	4C x 0.75 (18)	4C x 0.75 (18)	4C x 0.75 (18)	4C x 0.75 (18)	4C x 0.75 (18)	4C x 0.75 (18)
OUTDOOR UNIT				**UU12W**	**UU18WC**	**UU24WC**	**UU30WC**	**UU36WC**	**UU37W**	**UU49WC1**	**UU61WC1**
Power Supply			V , Ø , Hz	220-240, 1, 50	220-240 , 1 , 50	220-240 , 1 , 50	220-240 , 1 , 50	220-240 , 1 , 50	380-415, 3, 50	380-415 , 3 , 50	380-415 , 3 , 50
Casing Color			-	Warm Gray	Warm Gray	Warm Gray	Warm Gray	Warm Gray	Warm Gray	Warm Gray	Warm Gray
Dimensions		W x H x D	mm	770 × 545 × 288	770 × 545 × 288	870 × 650 × 330	870 × 650 × 330	950 × 834 × 330	950 × 1,170 × 330	950 × 1,380 × 330	950 × 1,380 × 330
Net Weight		Body	kg (lbs)	33.8 (74.5)	35.5 (78.3)	44.8 (98.8)	44.8 (98.8)	58.0 (127.9)	85.0 (187.4)	90.0 (198.4)	90.0 (198.4)
Compressor	Type		-	Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary
	Motor type		-	BLDC	BLDC	BLDC	BLDC	BLDC	BLDC	BLDC	BLDC
	Motor Output		W x No.	1,500 × 1	1,500 x 1	1,500 x 1	1,500 x 1	2,137 x 1	4,000 × 1	4,000 x 1	4,000 x 1
Refrigerant	Type		-	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
	Precharged Amount		g (oz)	1,100 (38.8)	1,300 (45.9)	1,600 (56.4)	1,600 (56.4)	2,200 (77.6)	2,800 (98.8)	3,400 (119.9)	3,400 (119.9)
	Chargeless-Pipe Length		m (ft)	7.5 (24.6)	7.5 (24.6)	7.5 (24.6)	7.5 (24.6)	7.5 (24.6)	5,8	7.5 (24.6)	7.5 (24.6)
	Additional Charging Volume		g/m (oz/ft)	20 (0.22)	20 (0.22)	30 (0.32)	30 (0.32)	40 (0.43)	40 (0.43)	40 (0.43)	40 (0.43)
	Control		-	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Refrigerant Oil	Type		-	RB68A	RB68A	FVC68D	FVC68D	FVC68D	FVC68D	FVC68D	FVC68D
	Charged volume		cc x No.	400 × 1	400 x 1	670 x 1	670 x 1	900 x 1	1,300 × 1	1,300 x 1	1,300 x 1
Heat Exchanger	(Row x Column x Fins per inch) x No.		-	(2 × 24 × 14) × 1	(2 x 24 x 14) x 1	(2 x 28 x 14) x 1	(2 x 28 x 14) x 1	(2 x 38 x 14) x 1	(2 × 32 × 14) × 1	(2 x 32 x 14) x 2	(2 x 32 x 14) x 2
Fan	Type		-	Axial	Propeller	Propeller	Propeller	Propeller	Propeller	Propeller	Propeller
	Air Flow Rate	Rated	m3/min x No.	28 × 1	28 x 1	50 x 1	50 x 1	58 x 1	45 × 2	58 x 2	58 x 2
Fan Motor	Type		-	BLDC	BLDC	BLDC	BLDC	BLDC	BLDC	BLDC	BLDC
	Output		W x No.	43.0 × 1	43 x 1	85 x 1	85 x 1	124.2 x 1	85.4 × 2	124.2 x 2	124.2 x 2
Sound Pressure Level	Cooling	Rated	dB(A)	49	53	55	55	56	54	55	55
	Heating	Rated	dB(A)	52	54	56	56	58	66	57	57
Piping Connections	Liquid	Outer Dia.	mm(inch)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)
	Gas	Outer Dia.	mm(inch)	Ø 12.7 (1/2)	Ø 12.7 (1/2)	Ø 15.88 (5/8)	Ø 15.88 (5/8)	Ø 15.88 (5/8)	Ø 15.88 (5/8)	Ø 19.05 (3/4)	Ø 19.05 (3/4)
Piping Length		Max.	m (ft)	30 (98.4)	25 (82.0)	30 (98.4)	30 (98.4)	40 (131.2)	50 (164.0)	50 (164.0)	50 (164.0)
Maximum Height Difference	Outdoor Unit Indoor Unit	Max.	m (ft)	30 (98.4)	15 (49.2)	30 (98.4)	30 (98.4)	30 (98.4)	30 (98.4)	30 (98.4)	30 (98.4)