CEILING CASSETTES

LG Business Solutions

SET MODEL				UU12W	UU18WC	UU24WC	UU30WC	UU36WC	UU37W	UU49WC1	UU61WC1
				CT12	UT18WC	UT24WC	UT30WC	UT36WC	UT36	UT48WC	UT60WC
Capacity	Cooling	Min. ~ Rated ~ Max.	kW	1.36 ~ 3.40 ~ 3.74	1.8 ~ 5.2 ~ 5.5	2.8 ~ 7.0 ~ 8.1	3.0 ~ 7.8 ~ 8.4	4.0 ~ 10.5 ~ 11.0	4.00 ~ 10.0 ~ 11.0	5.6 ~ 14.0 ~ 15.0	6.0 ~ 15.0 ~ 16.0
	Heating	Min. ~ Rated ~ Max.	kW	1.60 ~ 4.00 ~ 4.40	1.9 ~ 5.3 ~ 5.8	3.0 ~ 7.6 ~ 8.6	3.2 ~ 8.4 ~ 8.8	4.3 ~ 11.2 ~ 11.7	4.40 ~ 11.0 ~ 12.1	6.1 ~ 15.3 ~ 16.5	6.8 ~ 16.9 ~ 18.2
Power Input	Cooling	Rated	kW	1,0	1,6	2,3	2,6	3,5	2,8	4,4	5,0
	Heating	Rated	kW	1,2	1,6	2,2	2,8	3,2	2,8	4,5	5,5
Running Current	Cooling	Rated	A	4,3	6,7	10,0	11,1	15,0	4,10	18,6	21,0
	Heating	Rated	A	5,0	6,5	9,5	12,0	13,6	4,40	19,1	23,2
EER / COP	Cooling / Heating		W / W	3.40 / 3.3	3.21 / 3.41	3.01 / 3.40	3.01 / 3.01	3.00 / 3.51	3.57 / 3.92	3.20 / 3.41	3.03 / 3.10
INDOOR UNIT				**CT12**	**UT18WC**	**UT24WC**	**UT30WC**	**UT36WC**	**UT36**	**UT48WC**	**UT60WC**
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	10 / 20 / 20	20 / 50 / 60	20 / 50 / 60	30 / 70 / 80	70 / 190 / 210	40 / 130 / 140	80 / 190 / 210	80 / 190 / 210
Running Current			A	0,4	0,60	0,6	0,6	1	0,6	1	1
Dimensions	Body	W x H x D	mm	570 × 214 × 570	840 × 204 × 840	840 × 204 × 840	840 × 204 × 840	840 × 288 × 840	840 × 246 × 840	840 × 288 × 840	840 × 288 × 840
Net Weight			kg (lbs)	14.0 (30.9)	21 (46.3)	21 (46.3)	21 (46.3)	28 (61.7)	22.3 (49.2)	28 (61.7)	28 (61.7)
Heat Exchanger	#1_(Row x Column x FPI) x No.			(2 x 8 x 18) x 1	(2 x 8 x 19) x 1	(2 x 8 x 19) x 1	(2 x 8 x 19) x 1	(2 x 12 x 19) x 1	(2 x 10 x 19) x 1	(2 x 12 x 19) x 1	(2 x 12 x 19) x 1
	#2_(Row x Column x FPI) x No.				-	-	-	(1 x 10 x 19) x 1		(1 x 10 x 19) x 1	(1 x 10 x 19) x 1
	Face Area		m2 (ft2)	0.22 (2.40)	0.35 (3.77)	0.35 (3.77)	0.35 (3.77)	0.53 (5.65)	0.44 (4.71)	0.53 (5.65)	0.53 (5.65)
Fan	Type		-	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan
	Air Flow Rate	H / M / L	m3/min	9.5 / 8.0 / 7.0	16.5 / 14.5 / 13.0	17.0 / 15.0 / 13.0	19.0 / 17.0 / 15.0	28.5 / 24.5 / 21.0	24.0 / 22.0 / 19.0	32.0 / 30.0 / 27.5	32.0 / 30.0 / 27.5
Fan Motor	Type		-	BLDC	BLDC	BLDC	BLDC	BLDC	BLDC	BLDC	BLDC
	Output		W x No.	43 x 1	60 x 1	60 x 1	60 x 1	124 x 1	124 x 1	124 x 1	124 x 1
Dehumidification Rate			l /h (pts/h)		1.3 (2.7)	2.4 (5.1)	2.5 (5.3)	2.5 (5.3)		5.2 (11.0)	6.3 (13.3)
Sound Pressure Level	Cooling	H / M / L	dB(A)	38 / 35 / 32	38 / 36 / 34	40 / 38 / 36	42 / 39 / 37	48 / 46 /44	43 / 40 / 37	52 / 51 / 48	52 / 51 / 48
	Heating	H / M / L	dB(A)	38 / 35 / 32	38 / 36 / 34	40 / 38 / 36	42 / 39 / 37	48 / 46 /44	43 / 40 / 37	52 / 51 / 48	52 / 51 / 48
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 / 25.0	Ø 32 / 25	Ø 32 / 25	Ø 32 / 25	Ø 32 / 25	Ø 32.0 / 25.0	Ø 32 / 25	Ø 32 / 25
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)
Decoration Panel	Model Name		-	PT-UQC / PT-QCHW0	PT-UMC1 / PT-MCHW0	PT-UMC1 / PT-MCHW0	PT-UMC1 / PT-MCHW0	PT-UMC1 / PT-MCHW0	PT-UMC1 / PT-MCHW0	PT-UMC1 / PT-MCHW0	PT-UMC1 / PT-MCHW0
	Exterior Color		-	Morning Fog	Morning fog	Morning fog	Morning fog	Morning fog	Morning Fog	Morning fog	Morning fog
	Dimensions	W x H x D	mm	700 × 22 × 700	950 × 25 × 950	950 × 25 × 950	950 × 25 × 950	950 × 25 × 950	950 × 25 × 950	950 × 25 × 950	950 × 25 × 950
	Net weight		kg (lbs)	3.0 (6.6)	5.0 (11.0)	5.0 (11.0)	5.0 (11.0)	5.0 (11.0)	5.0 (11.0)	5.0 (11.0)	5.0 (11.0)
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		-W	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 E xpansion 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)