

LG CEILING CONCEALED DUCTS



EXTERNAL STATIC PRESSURE CONTROL (E.S.P.)

The BLDC motor can control fan speed and air volume regardless of the external static pressure. No additional accessories are necessary to control air flow.

MINIMIZED HEIGHT

New mid-static ducts provides an ideal solution for installation in limited space

HIGH HEAD DRAIN PUMP

LG Ceiling Concealed Ducts



Indoor Unit		CB09L N12	CB12L N22	CM18 N14	CM24 N14	UM30 N14	UM36 N24	UM48 N34	UM60 N34
Capacity	Cooling	Min/Nom/Max	1.1 / 2.5 / 3.2	1.4 / 3.4 / 3.7	1.8 / 5.0 / 6.0	2.8 / 6.8 / 7.5	3.2 / 7.8 / 8.8	5.6 / 14.0 / 15.4	5.9 / 14.8 / 16.3
	Heating	Min/Nom/Max	1.2 / 3.2 / 3.6	1.6 / 4.0 / 4.5	2.2 / 6.0 / 7.2	3.2 / 7.5 / 8.3	3.6 / 9.0 / 9.9	6.6 / 16.4 / 18.2	6.8 / 16.8 / 18.7
Low Temperature Capacity	Heating -7°C	Max	3.5	4.4	5.4	7.2	8.1	14.8	15.2
	Cooling	Nom	0.72	1.00	1.46	2.07	2.41	3.12	
Power Input (Set)	Heating	Nom	0.91	1.05	1.66	2.34	2.62	3.19	
	Heating	Nom	0.91	1.05	1.66	2.34	2.62	3.19	
Power Input (Indoor)	Min/Max (ESP 2.5mmAq)	W	30 / 50	80 / 95	50 / 80	50 / 90	90 / 150	120 / 210	
	Min/Max (ESP 15.0mmAq)	W	40 / 60	80 / 100	90 / 160	100 / 180	160 / 240	200 / 360	
Running Current	Cooling/Heating	Nom	3.1 / 4.0	4.3 / 4.6	6.5 / 7.6	9.1 / 10.3	10.1 / 10.7	4.7 / 4.9	
	Power Supply	W	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
EER			3.48	3.41	3.42	3.29	3.24	3.21	
COP			3.51	3.81	3.61	3.21	3.44	3.51	
SEER			5.11	5.61	6.10	6.10	6.10	5.11	
SCOP			3.81	3.81	4.25	3.90	4.00	3.81	
Pdesign (@-10)			28.0	28.0	4.1	6.0	6.5	78.0	
			A / A	A+ / A	A++ / A+	A++ / A	A++ / A+	A / A	
Seasonal Energy Consumption	Cooling/Heating		172 / 1032	213 / 1105	287 / 1383	390 / 2154	448 / 2275	685 / 2866	
	Cooling/Heating		9.52 (3/8)	9.52 (1/4)	9.52 (1/4)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
Piping Connection	Gas		9.52 (3/8)	9.52 (3/8)	12.7 (1/2)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
	Drain		32 / 25	32 / 25	32.0 / 25.0	32.0 / 25.0	32.0 / 25.0	32 / 25	32 / 25
Air Flow Rate			9.0 / 7.0 / 5.5	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	
Sound Pressure	Cooling		30 / 26 / 23	31 / 28 / 27	34 / 32 / 30	35 / 34 / 32	37 / 35 / 34	36 / 34 / 33	
Sound Power	Cooling		49	52	59	60	62	58	
Dehumidification Rate			1.1	1.2	2.0	2.5	2.8	2.6	
Dimensions	Body		700 x 190 x 700	900 x 190 x 700	900 x 270 x 700	900 x 270 x 700	900 x 270 x 700	1,250 x 360 x 700	1,250 x 360 x 700
Net Weight	Body		17.5	23.0	23.8	24.2	25.3	35.0	
External Static Pressure	Min-Max		0-5(0-49)	0-5(0-49)	2.5-15(25-147)	2.5-15(25-147)	2.5-15(25-147)	4-15(39-147)	
Outdoor Unit									
			UU09W ULD	UU12W ULD	UU18W UE4	UU24W U44	UU30W U44	UU49W U32	UU61W U32
Compressor	Type		Rotary	Rotary	Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary
Airflow Rate	Nom		32	32	50	58	58	110	110
Sound Pressure	Cooling		47	47	47	48	48	52	52
	Heating		48	48	52	52	52	54	54
Sound Power	Cooling		56	57	63	67	68	68	71
Dimensions	WxHxD		770 x 540 x 245	770 x 540 x 245	870 x 655 x 370	950 x 834 x 330	950 x 834 x 330	950 x 1,380 x 330	950 x 1,380 x 330
Net Weight			32.0	32.0	44.6	56.1	58.0	96.0	96.0
Refrigerant	Type		R410A	R410A	R410A	R410A	R410A	R410A	R410A
	Charge		1.000	1.000	1.000	2.000	2.000	3.000	3.000
Operation Range (Outdoor)	Additional Charge (after 7.5m)		20	20	20	40	40	40	40
	Cooling		-10 ~ 43	-10 ~ 43	-15 ~ 48	-15 ~ 48	-15 ~ 48	-15 ~ 48	-15 ~ 48
Power Supply	Heating		Min-Max	Min-Max	Min-Max	Min-Max	Min-Max	Min-Max	Min-Max
	Power Supply		1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	3 / 380-415 / 50	3 / 380-415 / 50
Power Supply Cable			3C x 2.5	3C x 2.5	3C x 2.5	3C x 2.5	3C x 2.5	5C x 2.5	5C x 2.5
Transmission Cable			4C x 0.75	4C x 0.75	4C x 0.75	4C x 0.75	4C x 0.75	4C x 0.75	4C x 0.75
Circuit Breaker			15	15	20	25	25	20	20
Piping Length Total			5-15	5-15	5-30	5-50	5-50	5-75	5-75
Piping Elevation Difference	IDU-ODU		10	10	30	30	30	30	30
Piping Connection	Liquid		9.52 (1/4)	9.52 (1/4)	9.52 (1/4)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
	Gas		9.52 (3/8)	9.52 (3/8)	12.7 (1/2)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)