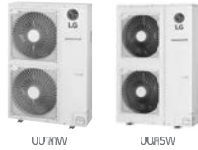




Standard Inverter

# CEILING CONCEALED DUCT

**HIGH STATIC PRESSURE -**  
UB70 / UB85



INDOOR		UB70 N94		UB85 N94	
Capacity	Cooling	Min / Nom / Max	kW	7.6 / 19.0 / 20.9	9.7 / 23.0 / 25.3
	Heating	Min / Nom / Max	kW	9.0 / 21.4 / 24.6	10.8 / 27.0 / 29.7
Low Temperature Capacity	Heating -7°C	Max	kW	18.0	24.0
	Cooling	Nom	kW	6.69	8.19
Power Input (Srt)	Heating	Nom	kW	6.4	8.31
	Cooling	Nom	kW	6.4	8.31
Power Input (Indoor)	Min / Max (Nom ESP)	W	550 / 760	610 / 910	
Running Current	Cooling / Heating	Nom	A	13.5 / 13.6	
Power Supply			Ø / V / Hz	1 / 220-240 / 50	
EER				7.84	
COP				3.50	
SEER				-	
SCOP				-	
Pdesign (@ -10°C)			kW	-	
Seasonal Energy Label	Cooling / Heating			-	
Annual Energy Consumption	Cooling / Heating		kWh	-	
Piping Connection	Liquid		mm (inch)	Ø9.52 (3/8)	
	Gas		mm (inch)	Ø12.7 (1/2)	
	Drain	O.D. / I.D.	mm	Ø12.7 (1/2)	
Air Flow Rate		High / Medium / Low	m³ / min	70.0 / 65.0 / 60.0	
Sound Pressure	Cooling	High / Medium / Low	dBA	43 / 41 / 40	
Sound Power	Cooling	Max	dBA	61	
Dehumidification Rate			l / h	1.81 (4.7)	
Dimensions	Body	W x H x D	mm	1,563 x 458 x 791	
Net Weight	Body		kg	90.0	
External Static Pressure		Min - Max	mmAq (Pa)	6 - 75 (60-750)	

OUTDOOR		UU70W U34		UU85W U74	
Compressor	Type			Hermically Sealed Scroll	Hermically Sealed Scroll
Airflow Rate	Nom		m³ / min	110	190
Sound Pressure	Cooling	Nom	dBA	55	59
	Heating	Nom	dBA	58	60
Sound Power	Cooling	Max	dBA	73	74
	Heating	Max	dBA	74	74
Dimensions	W x H x D		mm	950 x 1,280 x 330	
Net Weight			kg	110	
Refrigerant	Type			R410A	
	Charge		g	5,100	
	Additional Charge (after 7.5m)		g / m	70	
Operation Range (Outdoor)	Cooling	Min - Max	°C DB	-10 - 48	
	Heating	Min - Max	°C WB	-18 - 18	
Power Supply			Ø / V / Hz	3 / 380-415 / 50	
Power Supply Cable			No. x mm²	3C x 1.5	
Transmission Cable			No. x mm²	4C x 1.0	
Circuit Breaker			A	30	
Piping Length Total	Min - Max		m	75	
Piping Elevation Difference	IDU - ODU		m	30	
Piping Connection	Liquid		mm (inch)	Ø9.52 (3/8)	
	Gas		mm (inch)	Ø12.7 (1/2)	

Note: 1. Due to our policy of innovation some specifications may be changed without notification.  
 2. Definition of Power Input Normal conditions - Performance tested under EN14511  
 3. Capacities are based on the following conditions:  
 Cooling - Indoor temperature 27°F (31.1°F) WB - Outdoor temperature 35°F (9.4°F) WB - Heating - Indoor temperature 20°F (0°F) WB - Outdoor temperature 70°F (21.1°F) WB  
 4. Annual energy consumption based on average use of 1500 running hours in cooling and 1,000 hours in heating per year at seasonal condition  
 5. The product contains fluorinated greenhouse gases (R410A)

Standard Inverter

# CEILING CONCEALED DUCT

**LOW STATIC PRESSURE -**  
CB09L / CB12L / CB18L / CB24L



INDOOR		CB09L N12		CB12L N22		CB18L N22		CB24L N32	
Capacity	Cooling	Min / Nom / Max	kW	1.1 / 2.5 / 3.7	1.4 / 3.4 / 3.7	2.0 / 5.0 / 6.0	4.0 / 7.1 / 7.7		
	Heating	Min / Nom / Max	kW	1.7 / 3.7 / 3.6	1.6 / 4.0 / 4.5	2.2 / 6.0 / 7.7	7.0 / 15 / 8.3		
Low Temperature Capacity	Heating -7°C	Max	kW	3.5	4.4	6.7	8.7		
	Cooling	Nom	kW	0.77	1.00	1.55	2.36		
Power Input (Srt)	Heating	Nom	kW	0.91	1.05	1.50	2.05		
	Cooling	Nom	kW	0.91	1.05	1.50	2.05		
Power Input (Indoor)	Min / Max (Nom ESP)	W	40 / 60	80 / 100	100 / 140	110 / 160			
Running Current	Cooling / Heating	Nom	A	3.1 / 4.0	4.3 / 4.6	6.8 / 8.4	10.4 / 9.0		
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50		
EER				3.48	3.41	3.11	3.01		
COP				3.51	3.81	3.41	3.61		
SEER				5.11	5.61	6.10	5.60		
SCOP				3.81	3.81	3.95	3.90		
Pdesign (@ -10°C)			kW	7.8	3.0	4.0	5.8		
Seasonal Energy Label	Cooling / Heating			A / A	A+ / A	A+ / A	A+ / A		
Annual Energy Consumption	Cooling / Heating		kWh	173 / 1,037	213 / 1,105	287 / 1,418	444 / 2,087		
Piping Connection	Liquid		mm (inch)	Ø6.35 (1/4)	Ø6.35 (1/4)	Ø9.52 (3/8)	Ø9.52 (3/8)		
	Gas		mm (inch)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø12.7 (1/2)	Ø15.88 (5/8)		
	Drain	O.D. / I.D.	mm	32 / 25	32 / 25	Ø32.0 / 25.0	Ø32.0 / 25.0		
Air Flow Rate		High / Medium / Low	m³ / min	9.0 / 7.0 / 5.5	10.0 / 8.5 / 7.0	15.0 / 12.5 / 10.0	20.0 / 16.0 / 12.0		
Sound Pressure	Cooling	High / Medium / Low	dBA	30 / 26 / 23	31 / 28 / 27	36 / 34 / 31	39 / 35 / 32		
Sound Power	Cooling	Max	dBA	49	52	54	58		
Dehumidification Rate			l / h	1.1	1.2	1.7	2.2		
Dimensions	Body	W x H x D	mm	700 x 190 x 700	900 x 190 x 700	900 x 190 x 700	1,100 x 190 x 700		
Net Weight	Body		kg	1.5	2.30	7.0	7.0		
External Static Pressure		Min - Max	mmAq (Pa)	0-5 (0-49)	0-5 (0-49)	0-5 (0-49)	0-5 (0-49)		

OUTDOOR		UU09W U1D		UU12W U1D		UU18W UE4		UU24W U44	
Compressor	Type			Ritary	Ritary	Twin Ritary	Twin Ritary		
Airflow Rate	Nom		m³ / min	37	47	50	58		
Sound Pressure	Cooling	Nom	dBA	47	47	47	48		
	Heating	Nom	dBA	48	48	57	57		
Sound Power	Cooling	Max	dBA	56	57	63	67		
	Heating	Max	dBA	56	57	63	67		
Dimensions	W x H x D		mm	770 x 540 x 745	770 x 540 x 745	870 x 655 x 370	950 x 834 x 330		
Net Weight			kg	37.0	37.0	44.8	56.1		
Refrigerant	Type			R410A					
	Charge		g	1,000					
	Additional Charge (after 7.5m)		g / m	70					
Operation Range (Outdoor)	Cooling	Min - Max	°C DB	-10 - 43					
	Heating	Min - Max	°C WB	-18 - 18					
Power Supply			Ø / V / Hz	1 / 220-240 / 50					
Power Supply Cable			No. x mm²	3C x 1.5					
Transmission Cable			No. x mm²	4C x 0.75					
Circuit Breaker			A	15					
Piping Length Total	Min - Max		m	5-15					
Piping Elevation Difference	IDU - ODU		m	10					
Piping Connection	Liquid		mm (inch)	Ø6.35 (1/4)					
	Gas		mm (inch)	Ø9.52 (3/8)					

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 2. Definition of Power Input Normal conditions - Performance tested under EN14511  
 3. Capacities are based on the following conditions:  
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