

CEILING CONCEALED DUCT



STANDARD INVERTER (R32)

LOW STATIC PRESSURE
- CL09R / CL12R / CL18R / CL24R



LG participates in the ECP programme for EUROVENT AC program.
Check ongoing validity of certification
:www.eurovent-certification.com

UU09WR
UU12WR



UU18WR



UU24WR



COMPACT INVERTER (R32)

HIGH STATIC PRESSURE
- CM18R / CM24R / CM30R



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UU18WCR



UU24WCR
UU30WCR



INDOOR				CL09R N20	CL12R N20	CL18R N20	CL24R N30
Capacity	Cooling	Min / Nom / Max	kW	1.1 / 2.5 / 3.2	1.4 / 3.4 / 3.9	2.0 / 5.0 / 6.0	4.0 / 7.1 / 7.7
	Heating	Min / Nom / Max	kW	1.2 / 3.2 / 3.6	1.6 / 4.0 / 4.7	2.2 / 6.0 / 7.2	2.0 / 7.5 / 8.2
Low Temperature Capacity	Heating -7°C	Max	kW	3.5	4.4	6.7	8.2
Power Input (Set)	Cooling	Nom	kW	0.64	0.99	1.52	2.15
	Heating	Nom	kW	0.74	1.00	1.76	2.06
Power Input (Indoor)			W	80 / 95	80 / 95	95 / 120	90 / 150
			W	80 / 100	80 / 100	100 / 140	110 / 160
Running Current	Cooling / Heating	Nom	A	2.8 / 3.2	4.2 / 4.6	6.8 / 7.8	9.5 / 9.1
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
EER				3.90	3.42	3.30	3.30
COP				4.30	4.00	3.41	3.65
SEER				6.28	6.28	6.30	6.60
SCOP				4.00	4.00	3.95	4.20
Pdesign (@-10°C)			kW	3.0	3.0	4.1	5.4
Seasonal Energy Label	Cooling / Heating (A++ to E Scale)			A++ / A+	A++ / A+	A++ / A	A++ / A+
Annual Energy Consumption	Cooling / Heating		kWh	139 / 1,050	189 / 1,050	278 / 1,453	377 / 1,798
	Liquid		mm (inch)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 9.52 (3/8)
Piping Connection	Gas		mm (inch)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 12.7 (1/2)	Ø 15.88 (5/8)
	Drain		O.D. / I.D.	mm	32.0 / 25.0	32.0 / 25.0	32.0 / 25.0
Air Flow Rate	High / Medium / Low		m ³ /min	10.0 / 8.5 / 7.0	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	31 / 28 / 27	31 / 28 / 27	36 / 34 / 31	39 / 35 / 32
Sound Power	Cooling	Max	dBA	55	55	54	58
Dehumidification Rate			l/h	0.5	1.1	1.6	2.6
Dimensions	Body	W x H x D	mm	900 x 190 x 700	900 x 190 x 700	900 x 190 x 700	1,100 x 190 x 700
Net Weight	Body		kg	24.0	24.0	24.0	27.0
External Static Pressure	Min - Max		mmAq (Pa)	0-5 (0-49)	0-5 (0-49)	0-5 (0-49)	0-5 (0-49)

OUTDOOR				UU09WR ULO	UU12WR ULO	UU18WR U20	UU24WR U40
Compressor	Type			Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary
Airflow Rate	Nom		m ³ /min	32	32	50	58
Sound Pressure	Cooling	Nom	dBA	47	49	47	48
	Heating	Nom	dBA	50	52	52	52
Sound Power	Cooling	Max	dBA	65	65	63	67
Dimensions	W x H x D		mm	770 x 545 x 288	770 x 545 x 288	870 x 650 x 330	950 x 834 x 330
Net Weight			kg	33.8	33.8	44.8	56.1
Refrigerant	Type			R32	R32	R32	R32
	Charge		g	900	900	1,100	1,600
	Additional Charge (after 7.5m)		g/m	20	20	20	35
	GWP			675	675	675	675
	t-CO ₂ eq			0.61	0.61	0.74	1.08
Operation Range (Outdoor)	Cooling	Min ~ Max	°C DB	-15 ~ -48	-15 ~ -48	-15 ~ -48	-15 ~ -48
	Heating	Min ~ Max	°C WB	-18 ~ -18	-18 ~ -18	-18 ~ -18	-18 ~ -18
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
Power Supply Cable			No. x mm ²	3C x 2.5	3C x 2.5	3C x 2.5	3C x 2.5
Transmission Cable			No. x mm ²	4C x 0.75	4C x 0.75	4C x 0.75	4C x 0.75
Circuit Breaker			A	15	15	20	25
Piping Length Total	Min ~ Max		m	5-20	5-20	5-30	5-50
Piping Elevation Difference	IDU - ODU	Max	m	10	10	30	30
Piping Connection	Liquid		mm (inch)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 9.52 (3/8)
	Gas		mm (inch)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 12.7 (1/2)	Ø 15.88 (5/8)

Note : 1. Due to our policy of innovation some specifications may be changed without notification.
2. Definition of Power Input Nominal conditions - Performance tested under EN14511
3. Capacities are based on the following conditions:
Cooling : - Indoor Temperature 27°C DB / 19°C WB - Outdoor Temperature 35°C DB / 24°C WB Heating : - Indoor Temperature 20°C DB / 15°C WB - Outdoor Temperature 7°C DB / 6°C WB
4. Annual energy consumption : based on average use of 350 running hours in cooling and 1,400 hours in heating per year at seasonal condition
5. This product contains fluorinated greenhouse gases (R32)

INDOOR				CM18R N10	CM24R N10	CM30R N10
Capacity	Cooling	Min / Nom / Max	kW	1.8 / 5.0 / 5.3	2.7 / 6.8 / 7.4	3.0 / 7.5 / 8.2
	Heating	Min / Nom / Max	kW	1.7 / 5.2 / 6.0	1.9 / 7.5 / 8.2	2.0 / 8.0 / 8.4
Low Temperature Capacity	Heating -7°C	Max	kW	3.9	5.7	7.0
Power Input (Set)	Cooling	Nom	kW	1.67	2.27	2.34
	Heating	Nom	kW	1.58	2.40	2.28
Power Input (Indoor)			W	50 / 80	50 / 90	90 / 150
			W	90 / 160	100 / 180	160 / 240
Running Current	Cooling / Heating	Nom	A	7.4 / 7.0	10.2 / 10.6	10.6 / 10.0
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
EER				2.99	3.00	3.21
COP				3.29	3.13	3.51
SEER				5.60	5.60	5.88
SCOP				3.80	3.80	3.90
Pdesign (@-10°C)			kW	2.9	4.0	4.0
Seasonal Energy Label	Cooling / Heating (A++ to E Scale)			A+ / A	A+ / A	A+ / A
Annual Energy Consumption	Cooling / Heating		kWh	313 / 1,066	425 / 1,474	446 / 1,436
	Liquid		mm (inch)	Ø 6.35 (1/4)	Ø 9.52 (3/8)	Ø 9.52 (3/8)
Piping Connection	Gas		mm (inch)	Ø 12.7 (1/2)	Ø 15.88 (5/8)	Ø 15.88 (5/8)
	Drain		O.D. / I.D.	mm	32.0 / 25.0	32.0 / 25.0
Air Flow Rate	High / Medium / Low		m ³ /min	16.5 / 14.5 / 13.0	18.0 / 16.5 / 14.5	22.0 / 20.0 / 18.0
Sound Pressure	Cooling	High / Medium / Low	dBA	34 / 32 / 30	35 / 34 / 32	37 / 35 / 34
Sound Power	Cooling	Max	dBA	59	60	62
Dehumidification Rate			l/h	1.2	2.5	2.8
Dimensions	Body	W x H x D	mm	900 x 270 x 700	900 x 270 x 700	900 x 270 x 700
Net Weight	Body		kg	26.5	26.5	27.0
External Static Pressure	Min - Max		mmAq (Pa)	2.5-15 (25-147)	2.5-15 (25-147)	2.5-15 (25-147)

OUTDOOR				UU18WCR ULO	UU24WCR U20	UU30WCR U20
Compressor	Type			Twin Rotary	Twin Rotary	Twin Rotary
Airflow Rate	Nom		m ³ /min	32	50	50
Sound Pressure	Cooling	Nom	dBA	49	49	50
	Heating	Nom	dBA	52	53	54
Sound Power	Cooling	Max	dBA	65	65	67
Dimensions	W x H x D		mm	770 x 545 x 288	870 x 650 x 330	870 x 650 x 330
Net Weight			kg	35.9	45.0	45.0
Refrigerant	Type			R32	R32	R32
	Charge		g	1,000	1,300	1,300
	Additional Charge (after 7.5m)		g/m	20	20	20
	GWP			675	675	675
	t-CO ₂ eq			0.61	0.74	0.74
Operation Range (Outdoor)	Cooling	Min ~ Max	°C DB	-10 ~ -48	-10 ~ -48	-10 ~ -48
	Heating	Min ~ Max	°C WB	-10 ~ -18	-10 ~ -18	-10 ~ -18
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
Power Supply Cable			No. x mm ²	3C x 2.5	3C x 2.5	3C x 2.5
Transmission Cable			No. x mm ²	4C x 0.75	4C x 0.75	4C x 0.75
Circuit Breaker			A	15	20	20
Piping Length Total	Min ~ Max		m	5-30	5-35	5-35
Piping Elevation Difference	IDU - ODU	Max	m	30	30	30
Piping Connection	Liquid		mm (inch)	Ø 6.35 (1/4)	Ø 9.52 (3/8)	Ø 9.52 (3/8)
	Gas		mm (inch)	Ø 12.7 (1/2)	Ø 15.88 (5/8)	Ø 15.88 (5/8)

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