

CEILING CONCEALED DUCT



STANDARD INVERTER (R32)

HIGH STATIC PRESSURE
- UM36R / UM42R / UM48R / UM60R



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



INDOOR				UM36R.N20	UM42R.N20	UM48R.N30	UM60R.N30	
Capacity	Cooling	Min / Nom / Max	kW	4.5 / 9.5 / 13.0	5.1 / 12.0 / 14.5	5.5 / 13.4 / 16.0	5.9 / 15.0 / 16.3	
	Heating	Min / Nom / Max	kW	5.0 / 10.8 / 13.7	5.5 / 13.5 / 16.5	6.1 / 15.5 / 18.0	6.8 / 16.8 / 18.7	
Low Temperature Capacity	Heating -7°C	Max	kW	10.0	12.5	14.8	15.2	
Power Input (Set)	Cooling	Nom	kW	2.43	3.45	4.00	4.75	
	Heating	Nom	kW	2.85	3.65	4.40	4.80	
Power Input (Indoor)			W	120 / 210	140 / 260	100 / 220	270 / 290	
			W	200 / 360	230 / 380	220 / 340	300 / 430	
Running Current	Cooling / Heating	Nom	A	10.6 / 12.4	15.0 / 15.9	17.4 / 19.1	20.7 / 20.9	
Power Supply			Ø / V / Hz	1 / 220-240 / 50				
EER				3.91	3.48	3.35	3.16	
COP				3.79	3.70	3.52	3.50	
SEER				5.62	5.50	5.51	5.45	
SCOP				4.04	4.00	3.96	3.92	
Pdesign (@-10°C)				8.05	8.05	9.3	9.3	
Seasonal Energy Label	Cooling / Heating			A+ / A+ (A++ to E Scale)	A / A+	-	-	
Annual Energy Consumption	Cooling / Heating			kWh	594 / 2,800	764 / 2,800	1,459 / 3,288	1,651 / 3,321
	Liquid			mm (inch)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)
	Gas			mm (inch)	Ø 15.88 (5/8)	Ø 15.88 (5/8)	Ø 15.88 (5/8)	Ø 15.88 (5/8)
Piping Connection	Drain	O.D. / I.D.	mm	32 / 25				
		High / Medium / Low	m³/min	32.0 / 28.0 / 24.0	38.0 / 33.0 / 28.0	40.0 / 34.0 / 28.0	50.0 / 45.0 / 40.0	
Sound Pressure	Cooling	High / Medium / Low	dBA	36 / 34 / 33				
Sound Power	Cooling	Max	dBA	60	62	65	66	
Dehumidification Rate				2.6	3.6	4.5	5.0	
Dimensions	Body	W x H x D	mm	1,250 x 270 x 700	1,250 x 270 x 700	1,250 x 360 x 700	1,250 x 360 x 700	
Net Weight	Body		kg	38.5	38.5	43.5	43.5	
External Static Pressure			mmAq (Pa)	4-15 (39-147)	5-15 (49-147)	5-15 (49-147)	5-15 (49-147)	

OUTDOOR				UU36WR.U30	UU42WR.U30	UU48WR.U30	UU60WR.U30
Compressor	Type			R-Scroll			
Airflow Rate	Nom		m³/min	110			
Sound Pressure	Cooling	Nom	dBA	52			
	Heating	Nom	dBA	54			
Sound Power	Cooling	Max	dBA	66	67	68	68
Dimensions	W x H x D		mm	950 x 1,380 x 330	950 x 1,380 x 330	950 x 1,380 x 330	950 x 1,380 x 330
Net Weight				87.5	87.5	87.5	87.5
Refrigerant	Type			R32			
	Charge		g	3,000			
	Additional Charge (after 7.5m)		g/m	40			
	GWP			675			
	t-CO ₂ eq			2.03			
Operation Range (Outdoor)	Cooling	Min ~ Max	°C DB	-15 ~ -48			
	Heating	Min ~ Max	°C WB	-25 ~ -18			
Power Supply			Ø / V / Hz	1 / 220-240 / 50			
Power Supply Cable			No. x mm²	3C x 6.0			
Transmission Cable			No. x mm²	4C x 0.75			
Circuit Breaker			A	40			
Piping Length Total	Min ~ Max		m	5-85			
Piping Elevation Difference	IDU - ODU	Max	m	30			
Piping Connection	Liquid		mm (inch)	Ø 9.52 (3/8)			
	Gas		mm (inch)	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)

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Power Input (Set)	Cooling	Nom	kW	2.43	3.45	4.00	4.75	
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			W	200 / 360	230 / 380	220 / 340	300 / 430	
Running Current	Cooling / Heating	Nom	A	3.5 / 4.1	5.0 / 5.3	5.8 / 6.4	6.9 / 6.9	
Power Supply			Ø / V / Hz	1 / 220-240 / 50				
EER				3.91	3.48	3.35	3.16	
COP				3.79	3.70	3.52	3.50	
SEER				5.60	5.50	5.51	5.45	
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Piping Connection	Drain	O.D. / I.D.	mm	32 / 25				
		High / Medium / Low	m³/min	32.0 / 28.0 / 24.0	38.0 / 33.0 / 28.0	40.0 / 34.0 / 28.0	50.0 / 45.0 / 40.0	
Sound Pressure	Cooling	High / Medium / Low	dBA	36 / 34 / 33				
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Net Weight	Body		kg	38.5	38.5	43.5	43.5	
External Static Pressure			mmAq (Pa)	4-15 (39-147)	5-15 (49-147)	5-15 (49-147)	5-15 (49-147)	

OUTDOOR				UU37WR.U30	UU43WR.U30	UU49WR.U30	UU61WR.U30
Compressor	Type			R-Scroll			
Airflow Rate	Nom		m³/min	110			
Sound Pressure	Cooling	Nom	dBA	52			
	Heating	Nom	dBA	54			
Sound Power	Cooling	Max	dBA	66	67	68	68
Dimensions	W x H x D		mm	950 x 1,380 x 330	950 x 1,380 x 330	950 x 1,380 x 330	950 x 1,380 x 330
Net Weight				87.5	87.5	87.5	87.5
Refrigerant	Type			R32			
	Charge		g	3,000			
	Additional Charge (after 7.5m)		g/m	40			
	GWP			675			
	t-CO ₂ eq			2.03			
Operation Range (Outdoor)	Cooling	Min ~ Max	°C DB	-15 ~ -48			
	Heating	Min ~ Max	°C WB	-25 ~ -18			
Power Supply			Ø / V / Hz	3 / 380-415 / 50	3 / 380-415 / 50	3 / 380-415 / 50	3 / 380-415 / 50
Power Supply Cable			No. x mm²	5C x 2.5	3C x 6.0	5C x 2.5	5C x 2.5
Transmission Cable			No. x mm²	4C x 0.75	4C x 0.75	4C x 0.75	4C x 0.75
Circuit Breaker			A	20			
Piping Length Total	Min ~ Max		m	5-85			
Piping Elevation Difference	IDU - ODU	Max	m	30			
Piping Connection	Liquid		mm (inch)	Ø 9.52 (3/8)			
	Gas		mm (inch)	Ø 15.88 (5/8)			

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