

# CEILING SUSPENDED



## STANDARD INVERTER (R32)

UV18F / UV24F / UV30F



UUB1 U20

UUC1 U40



LG participates in the ECP programme for EUROVENT AC program.  
Check ongoing validity of certification  
: [www.eurovent-certification.com](http://www.eurovent-certification.com)

COMMERCIAL

SINGLE SPLIT

COMBINATION				18	24	30
Capacity	Cooling	Min - Rated - Max	kW	2.0 / 5.0 / 5.8	2.7 / 6.7 / 8.0	3.1 / 7.7 / 8.8
	Heating	Min - Rated - Max	kW	2.3 / 5.8 / 6.7	3.0 / 7.5 / 9.0	3.4 / 8.6 / 9.6
Power Input (Set)	Cooling	Min - Rated - Max	kW	0.30 / 1.33 / 1.86	0.40 / 1.99 / 2.69	0.50 / 2.25 / 3.08
	Heating	Min - Rated - Max	kW	0.40 / 1.76 / 2.46	0.40 / 2.2 / 3.08	0.50 / 2.5 / 3.20
Running Current	Cooling	Rated	A	7.5	8.8	10.0
	Heating	Rated	A	8.3	9.8	11.1
EER / COP			kWh/kWh	3.75 / 3.29	3.37 / 3.41	3.42 / 3.44
SEER / SCOP			kWh/kWh	6.6 / 4.3	7.2 / 4.2	6.8 / 4.4
Pdesign	Cooling @ 35°C		kW	5	6.7	7.7
	Heating @ -10°C		kW	4.2	4.9	5.4
Seasonal Energy Label	Cooling / Heating		-	A++ / A+	A++ / A+	A++ / A+
Annual Energy Consumption	Cooling / Heating		kWh	265 / 1,368	326 / 1,633	396 / 1,718
Dehumidification Rate			l/h	1.8	2.7	3.0
ODU Sound Pressure Level	Cooling / Heating	Rated	dB(A)	47 / 52	48 / 52	50 / 52
ODU Sound Power Level	Cooling	Rated	dB(A)	63	65	68
Piping Connections	Liquid		mm (inch)	Ø6.35 (1/4)	Ø9.52 (3/8)	Ø9.52 (3/8)
	Gas		mm (inch)	Ø12.7 (1/2)	Ø15.88 (5/8)	Ø15.88 (5/8)
	Connections Method		-	Flared	Flared	Flared
Operation Range (Outdoor)	Cooling	Min - Max	°C	-15 - 50	-20 - 50	-20 - 50
	Heating	Min - Max	°C	-20 - 18	-20 - 18	-20 - 18
INDOOR				UV18F N10	UV24F N10	UV30F N10
Power Supply			Ø, V, Hz	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50
Power Input (IDU)		H / M / L	W	17 / 15 / 13	33 / 26 / 19	47 / 40 / 33
Air Flow Rate		H / M / L	m³/min	1.3 / 1.2 / 1.1	1.6 / 1.5 / 1.4	1.9 / 1.75 / 1.6
Dimensions	Body	W x H x D	mm	1,200 x 235 x 690	1,200 x 235 x 690	1,200 x 235 x 690
Weight	Body		kg	27.3	28	28
Sound Pressure Level	Cooling	H / M / L	dB(A)	42 / 40 / 39	46 / 45 / 43	46 / 44 / 43
Sound Power Level	Cooling	Max	dB(A)	55	61	62
Piping Connections	Drain(Natural Drainage)	O.D. / I.D.	mm	Ø25.0 / 20.5	Ø25.0 / 20.5	Ø25.0 / 20.5
	Drain(Using Drain Pump)	O.D. / I.D.	mm	Ø32.0 / 26.0	Ø32.0 / 26.0	Ø32.0 / 26.0
OUTDOOR				UUB1 U20	UUC1 U40	
Power Supply			Ø, V, Hz	1, 220-240, 50	1, 220-240, 50	
Circuit Breaker		Min	A	20	25	
Power Supply Cable (Included Earth)			No x mm³	3C x 2.5	3C x 2.5	
Dimensions	Net	W x H x D	mm	870 x 650 x 330	950 x 834 x 330	
Weight	Net		kg	44.5	57.7	
Compressor	Type		-	Twin Rotary	Twin Rotary	
	Type		-	R32	R32	
Refrigerant	GWP (Global Warming Potential)		-	675	675	
	Precharged Amount		kg	1.2	1.9	
	t-CO <sub>2</sub> eq		-	0.81	1.283	
	Additional Charge (After 7.5m)		g/m	20	40	
Fan	Air Flow Rate	Rated	m³/min x No.	50 x 1	58 x 1	
Total Piping Length		Min / Max	m	5 / 30	5 / 50	
Piping Elevation	IDU - ODU	Max	m	30	30	

Note :

- Due to our policy of innovation some specifications may be changed without notification.
- Performances are based on the following conditions (It is accordance with EN14511)
  - Cooling : Indoor Ambient Temp 27°CDB / 19°CWB, Outdoor Ambient Temp 35°CDB / 24°CWB
  - Heating : Indoor Ambient Temp 20°CDB / 15°CWB, Outdoor Ambient Temp 7°CDB / 6°CWB
  - Interconnected Pipe is standard length and difference of Elevation (Outdoor - Indoor Unit) is 0m.
- Sound Level Values are measured at Noise Measuring chamber accordance with standard. Therefore, these values depend on the ambient conditions and values are normally higher in actual operation
- This product contains fluorinated greenhouse gases (R32)

# CEILING SUSPENDED UNIT



## STANDARD INVERTER (R32)

UV36F / UV42F / UV48F / UV60F

UUD1 U30



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COMBINATION				36	42	48	60
Capacity	Cooling	Min - Rated - Max	kW	3.8 - 9.5 - 12.5	4.8 - 12.1 - 14.2	5.4 - 13.4 - 15.7	5.8 - 14.4 - 15.6
	Heating	Min - Rated - Max	kW	4.3 - 10.8 - 13.4	5.4 - 13.5 - 15.8	6.2 - 15.5 - 17.5	6.7 - 16.8 - 18.1
Power Input (Set)	Cooling	Min - Rated - Max	kW	0.50 - 2.65 - 4.03	0.80 - 3.90 - 5.07	0.90 - 4.50 - 5.85	1.10 - 5.33 - 5.97
	Heating	Min - Rated - Max	kW	0.50 - 2.60 - 3.54	0.80 - 3.75 - 4.88	0.90 - 4.77 - 5.82	1.10 - 5.60 - 6.44
Running Current	Cooling	Rated	A	11.7	17.0	19.7	23.6
	Heating	Rated	A	11.4	16.5	20.6	24.6
EER / COP			kWh/kWh	3.59 / 4.15	3.10 / 3.60	2.98 / 3.25	2.70 / 3.00
SEER / SCOP			kWh/kWh	6.3 / 4.1	6.3 / 4.1	5.9 / 4.1	5.7 / 4.1
Pdesign	Cooling @ 35°C		kW	9.5	12.1	13.4	14.4
	Heating @ -10°C		kW	9.5	9.5	9.5	9.5
Seasonal Energy Label	Cooling / Heating		-	A++ / A+	- / -	- / -	- / -
Annual Energy Consumption	Cooling / Heating		kWh	528 / 3,244	1,152 / 3,244	1,363 / 3,244	1,516 / 3,244
Dehumidification Rate			l/h	3.6	5.5	6.3	7.1
ODU Sound Pressure Level	Cooling / Heating	Rated	dB(A)	50 / 50	51 / 52	52 / 53	54 / 54
ODU Sound Power Level	Cooling	Rated	dB(A)	66	69	69	71
Piping Connections	Liquid		mm (inch)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø9.52 (3/8)
	Gas		mm (inch)	Ø15.88 (5/8)	Ø15.88 (5/8)	Ø15.88 (5/8)	Ø15.88 (5/8)
	Connections Method		-	Flared	Flared	Flared	Flared
Operation Range (Outdoor)	Cooling	Min - Max	°C	-20 - 52	-20 - 52	-20 - 52	-20 - 52
	Heating	Min - Max	°C	-25 - 18	-25 - 18	-25 - 18	-25 - 18
INDOOR				UV36F N20	UV42F N20	UV48F N20	UV60F N20
Power Supply			Ø, V, Hz	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50
Power Input (IDU)			H / M / L	W	50 / 35 / 28	50 / 35 / 28	59 / 40 / 28
Air Flow Rate			H / M / L	m³/min	28 / 24 / 20	28 / 24 / 20	30 / 25 / 20
Dimensions	Body	W x H x D	mm	1,600 x 235 x 690	1,600 x 235 x 690	1,600 x 235 x 690	1,600 x 235 x 690
Weight	Body		kg	36.7	36.7	36.7	36.7
Sound Pressure Level	Cooling	H / M / L	dB(A)	46 / 43 / 40	46 / 43 / 40	48 / 44 / 40	48 / 44 / 40
Sound Power Level	Cooling	Max	dB(A)	62	62	63	63
Piping Connections	Drain(Natural Drainage)	O.D. / I.D.	mm	Ø25.0 / 20.5	Ø25.0 / 20.5	Ø25.0 / 20.5	Ø25.0 / 20.5
	Drain(Using Drain Pump)	O.D. / I.D.	mm	Ø32.0 / 26.0	Ø32.0 / 26.0	Ø32.0 / 26.0	Ø32.0 / 26.0
OUTDOOR				UUD1 U30			
Power Supply			Ø, V, Hz	1, 220-240, 50			
Circuit Breaker		Min	A	40			
Power Supply Cable (Included Ear th)			No x mm²	3C x 6.0			
Dimensions	Net	W x H x D	mm	950 x 1,380 x 330			
Weight	Net		kg	85			
Compressor	Type		-	Inverter Scroll			
			-	R32			
Refrigerant	GWP (Global Warming Potential)		-	675			
	Precharged Amount		kg	3.0			
	t-CO <sub>2</sub> eq		-	2.025			
	Additional Charge (After 7.5m)		g/m	40			
Fan	Air Flow Rate	Rated	m³/min x No.	55 x 2			
Total Piping Length		Min / Max	m	5 / 85			
Piping Elevation	IDU - ODU	Max	m	30			

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  - Heating : Indoor Ambient Temp 20°CDB / 15°CWB, Outdoor Ambient Temp 7°CDB / 6°CWB
  - Interconnected Pipe is standard length and difference of Elevation (Outdoor - Indoor Unit) is 0m.
- Sound Level Values are measured at Noise Measuring chamber accordance with standard. Therefore, these values depend on the ambient conditions and values are normally higher in actual operation
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# CEILING SUSPENDED UNIT



## STANDARD INVERTER (R32)

UV36F / UV42F / UV48F / UV60F

UUD3 U30



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SINGLE SPLIT

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Capacity	Cooling	Min - Rated - Max	kW	3.8 - 9.5 - 12.5	4.8 - 12.1 - 14.2	5.4 - 13.4 - 15.7	5.8 - 14.4 - 15.6
	Heating	Min - Rated - Max	kW	4.3 - 10.8 - 13.4	5.4 - 13.5 - 15.8	6.2 - 15.5 - 17.5	6.7 - 16.8 - 18.1
Power Input (Set)	Cooling	Min - Rated - Max	kW	0.50 - 2.65 - 4.03	0.80 - 3.90 - 5.07	0.90 - 4.50 - 5.85	1.10 - 5.33 - 5.97
	Heating	Min - Rated - Max	kW	0.50 - 2.60 - 3.54	0.80 - 3.75 - 4.88	0.90 - 4.77 - 5.82	1.10 - 5.60 - 6.44
Running Current	Cooling	Rated	A	4.2	6.1	7.0	8.2
	Heating	Rated	A	4.1	5.9	7.3	8.5
EER / COP			kWh/kWh	3.59 / 4.15	3.10 / 3.60	2.98 / 3.25	2.70 / 3.00
SEER / SCOP			kWh/kWh	6.3 / 4.1	6.3 / 4.1	5.9 / 4.1	5.7 / 4.1
Pdesign	Cooling @ 35°C		kW	9.5	12.1	13.4	14.4
	Heating @ -10°C		kW	9.5	9.5	9.5	9.5
Seasonal Energy Label	Cooling / Heating		-	A++ / A+	- / -	- / -	- / -
Annual Energy Consumption	Cooling / Heating		kWh	528 / 3,244	1,152 / 3,244	1,363 / 3,244	1,516 / 3,244
Dehumidification Rate			l/h	3.6	5.5	6.3	7.1
ODU Sound Pressure Level	Cooling / Heating	Rated	dB(A)	50 / 50	51 / 52	52 / 53	54 / 54
ODU Sound Power Level	Cooling	Rated	dB(A)	66	69	69	71
Piping Connections	Liquid		mm (inch)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø9.52 (3/8)
	Gas		mm (inch)	Ø15.88 (5/8)	Ø15.88 (5/8)	Ø15.88 (5/8)	Ø15.88 (5/8)
	Connections Method		-	Flared	Flared	Flared	Flared
Operation Range (Outdoor)	Cooling	Min - Max	°C	-20 - 52	-20 - 52	-20 - 52	-20 - 52
	Heating	Min - Max	°C	-25 - 18	-25 - 18	-25 - 18	-25 - 18
INDOOR				UV36F N20	UV42F N20	UV48F N20	UV60F N20
Power Supply			Ø, V, Hz	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50
Power Input (IDU)		H / M / L	W	50 / 35 / 28	50 / 35 / 28	59 / 40 / 28	59 / 40 / 28
Air Flow Rate		H / M / L	m³/min	28 / 24 / 20	28 / 24 / 20	30 / 25 / 20	30 / 25 / 20
Dimensions	Body	W x H x D	mm	1,600 x 235 x 690	1,600 x 235 x 690	1,600 x 235 x 690	1,600 x 235 x 690
Weight	Body		kg	36.7	36.7	36.7	36.7
Sound Pressure Level	Cooling	H / M / L	dB(A)	46 / 43 / 40	46 / 43 / 40	48 / 44 / 40	48 / 44 / 40
Sound Power Level	Cooling	Max	dB(A)	62	62	63	63
Piping Connections	Drain(Natural Drainage)	O.D. / I.D.	mm	Ø25.0 / 20.5	Ø25.0 / 20.5	Ø25.0 / 20.5	Ø25.0 / 20.5
	Drain(Using Drain Pump)	O.D. / I.D.	mm	Ø32.0 / 26.0	Ø32.0 / 26.0	Ø32.0 / 26.0	Ø32.0 / 26.0
OUTDOOR				UUD3 U30			
Power Supply			Ø, V, Hz	3, 380-415, 50			
Circuit Breaker		Min	A	20			
Power Supply Cable (Included Ear th)			No x mm <sup>3</sup>	5C x 2.5			
Dimensions	Net	W x H x D	mm	950 x 1,380 x 330			
Weight	Net		kg	85			
Compressor	Type		-	Inverter Scroll			
	Type		-	R32			
Refrigerant	GWP (Global Warming Potential)		-	675			
	Precharged Amount		kg	3.0			
	t-CO <sub>2</sub> eq		-	2.025			
	Additional Charge (After 7.5m)		g/m	40			
Fan	Air Flow Rate	Rated	m³/min x No.	55 x 2			
Total Piping Length		Min / Max	m	5 / 85			
Piping Elevation	IDU - ODU	Max	m	30			

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