



MIDEA LATAM

PISO TECHO MIDEA

R410A.60HZ,ON/OFF CONTROL

FICHA TÉCNICA



1. Modelos Referenciales

Los modelos podrían cambiar por país o región.

Outdoor Unit Model	indoor Unit Model	Capacity (Btu)	Power Supply
MOV-36CN1-N	MUE-36CRN1-N	36k	1 ϕ , 220~230V~, 60Hz
MOV-36CN1-D	MUE-36CRN1-N	36k	3 ϕ , 220~230V~, 60Hz
MOV-48CN1-N	MUE-48CRN1-N	48k	1 ϕ , 220~230V~, 60Hz
MOV-48CN1-D	MUE-48CRN1-N	48k	3 ϕ , 220~230V~, 60Hz
MOV-60CN1-N	MUE-60CRN1-N	60k	1 ϕ , 220~230V~, 60Hz
MOV-60CN1-D	MUE-60CRN1-N	60k	3 ϕ , 220~230V~, 60Hz

Specifications

2. Datos Técnicos Generales

Indoor model		MUE-36CRN1-N	MUE-36CRN1-N	MUE-48CRN1-N
Outdoor model		MOV-36CN1-N	MOV-36CN1-D	MOV-48CN1-N
Indoor Power supply		V-Ph-Hz	220-230V,1Ph,60Hz	220-230V,1Ph,60Hz
Outdoor Power Supply		V-Ph-Hz	220-230V,1Ph,60Hz	220-230V,1Ph,60Hz
Max. input consumption		W	5400	6500
Max. current		A	25.5	30.7
Indoor fan motor	Model		YKSS-115-4-1-2	YKSS-115-4-1-2
	Old Model		YSK115-4B	YSK115-4B
	Qty		1	2
	Input	W	236.0	166.0
	Capacitor	uF	5	2.5
	Speed(Hi/Mi/Lo)	r/min	1263/1123/1000	1400/1220/1090
Indoor coil	a.Number of rows		2.0	2
	b.Tube pitch(a)x row pitch(b)	mm	21x13.37	21x13.37
	c.Fin spacing	mm	1.3	1.3
	d.Fin type (code)		Hydrophilic aluminium	Hydrophilic aluminium
	e.Tube outside dia.and type	mm	φ7,innergroove tube	φ7,innergroove tube
	f.Coil length x height x width	mm	935x294x26.74	1300x294x26.74
	g.Number of circuits		6	8
Indoor air flow (Hi/Mi/Lo)		m3/h	1722/1459/1281	2300/1900/1700
Sound level (sound pressure)		dB(A)	53.0/49.1/46.5	56/52/48
Throttle type			Throttle valve	Throttle valve
Indoor unit	Dimension(W*D*H)	mm	1285x675x235	1650x675x235
	Packing (W*D*H)	mm	1360x755x313	1725x755x313
	Net/Gross weight	Kg	31.3/37	37/43
Design pressure		MPa	4.2/1.5	4.2/1.5
Drainage water pipe dia.		mm	ODφ25mm	ODφ25
Refrigerant piping	Liquid side/ Gas side	mm(inch)	φ9.52/φ19(3/8"/3/4")	φ9.52/φ19(3/8"/3/4")
Controller			Remote control	Remote control
Operation temperature		℃	17-30	17~30
Room temperature	Cooling	℃	17~32	17~32
	Heating	℃	/	/
Qty/per 20' /40' /40'HQ		Indoor unit	92/188/213	72/147/167
Compressor	Model		ATH356UN-C9EU	ATH356UG3C9EU
	Type		ROTARY	ROTARY
	Brand		HITACHI	HITACHI
	Capacity	W	10450	10350
	Input	W	3480	3400
	Rated current(RLA)	A	17.0	10.9
	Locked rotor Amp(LRA)	A	89	81
	Thermal protector position		INTERNAL	INTERNAL
	Capacitor	μF	80.0	/
	Refrigerant oil/oil charge	ml	a68HES-H or equivalent/880	a68HES-H or equivalent/880
Outdoor fan motor	Model		YKS-160-6-2	YKS-160-6-2
	Old Model		YDK160-6B	YDK160-6B
	Qty		1	1
	Input	W	300.0	318.0
	Capacitor	uF	6	12
	Speed	r/min	1100	1095

Outdoor coil	a.Number of rows		1.0	1.0	1.0
	b.Tube pitch(a)x row pitch(b)	mm	21x13.37	21x13.37	21x13.37
	c.Fin spacing	mm	1.3	1.3	1.3
	d.Fin type (code)		Unhydrophilic aluminium	Unhydrophilic aluminium	Unhydrophilic aluminium
	e.Tube outside dia.and type	mm	φ7,innergroove tube	φ7,innergroove tube	φ7,innergroove tube
	f.Coil length x height x width	mm	1588x714x13.37	1588x714x13.37	2030x714x13.37
	g.Number of circuits		5	5	5
Outdoor air flow			4500	4500	7400
Outdoor noise level		dB(A)	65.5	65.5	64.7
Outdoor unit	Dimension(W*D*H)	mm	600x600x759	600x600x759	710x710x759
	Packing (W*D*H)	mm	628x628x794	628x628x794	738x738x794
	Net/Gross weight	Kg	57.8/61.4	56.8/60.6	71.8/76.1
Refrigerant type	Type		R410A	R410A	R410A
	Charged volume	Kg	1.9	1.9	2.2
Design pressure		MPa	4.2/1.5	4.2/1.5	4.2/1.5
Refrigerant piping	Liquid side/ Gas side	mm(inch)	φ9.52/φ19(3/8"/3/4")	φ9.52/φ19(3/8"/3/4")	φ9.52/φ19(3/8"/3/4")
	Max. refrigerant pipe length	m	30	30	50
	Max. difference in level	m	20	20	30
Room temperature	Cooling	°C	18~43	18~43	18~43
	Heating	°C	/	/	/
Qty'per 20' /40' /40'HQ		Outdoor unit	54/114/171	54/114/171	42/96/144

Notes:

1) Capacities are based on the following conditions:

- Cooling: - Indoor Temperature 27°C(80.6°F) DB /19 °C(66.2°F) WB
- Outdoor Temperature 35 °C(95°F) DB /24 °C(75.2°F) WB
- Interconnecting Piping Length 5m
- Level Difference of Zero.

2) Capacities are Net Capacities.

3) Due to our policy of innovation some specifications may be changed without notification.

Indoor model			MUE-48CRN1-N	MUE-60CRN1-N	MUE-60CRN1-N
Outdoor model			MOV-48CN1-D	MOV-60CN1-N	MOV-60CN1-D
Indoor Power supply		V-Ph-Hz	220-230V,1Ph,60Hz	220-230V,1Ph,60Hz	220-230V,1Ph,60Hz
Outdoor Power Supply		V-Ph-Hz	220-230V,3Ph,60Hz	220-230V,1Ph,60Hz	220-230V,3Ph,60Hz
Max. input consumption		W	6250	7625	7700
Max. current		A	18.1	34.6	23.4
Indoor fan motor	Model		YKSS-85-4-1L-2	YKSS-85-4-1L-2	YKSS-85-4-1L-2
	Old Model		YSK85-4B	YSK85-4B	YSK85-4B
	Qty		2	2	2
	Input	W	166.0	166.0	166.0
	Capacitor	uF	2.5	2.5	2.5
	Speed(Hi/Mi/Lo)	r/min	1400/1220/1090	1400/1220/1090	1400/1220/1090
Indoor coil	a.Number of rows		2	3.0	3.0
	b.Tube pitch(a)x row pitch(b)	mm	21x13.37	21*13.37	21*13.37
	c.Fin spacing	mm	1.3	1.3	1.3
	d.Fin type (code)		Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium
	e.Tube outside dia.and type	mm	Φ7,innergroove tube	Φ7,innergroove tube	Φ7,innergroove tube
	f.Coil length x height x width	mm	1300x294x26.74	1300X294X40.11	1300X294X40.11
	g.Number of circuits		8	10	10
Indoor air flow (Hi/Mi/Lo)		m3/h	2300/1900/1700	2548/2104/1790	2548/2104/1790
Sound level (sound pressure)		dB(A)	56/52/48	56.7/52.1/48.5	56.7/52.1/48.5
Throttle type			Throttle valve	Throttle valve	Throttle valve
Indoor unit	Dimension(W*D*H)	mm	1650x675x235	1650x675x235	1650x675x235
	Packing (W*D*H)	mm	1725x755x313	1725x755x313	1725x755x313
	Net/Gross weight	Kg	37/43	39/45	39/45
Design pressure		MPa	4.2/1.5	4.2/1.5	4.2/1.5
Drainage water pipe dia.		mm	ODΦ25	ODΦ25mm	ODΦ25mm
Refrigerant piping	Liquid side/ Gas side	mm(inch)	Φ9.52/Φ19(3/8"/3/4")	Φ9.52/Φ19(3/8"/3/4")	Φ9.52/Φ19(3/8"/3/4")
Controller			Remote control	Remote control	Remote control
Operation temperature		℃	17~30	17-30	17-30
Room temperature	Cooling	℃	17~32	17~32	17~32
	Heating	℃	/	/	/
Qty/per 20' /40' /40'HQ		Indoor unit	72/147/167	72/147/167	72/147/167
Compressor	Model		ZP49KUE-TF5-52E	C-SBP160H16A	C-SBP160H36A
	Type		SCROLL	SCROLL	SCROLL
	Brand		EMERSON	PANASONIC	PANASONIC
	Capacity	W	14400	53910	54933
	Input	W	4537	5650	5500
	Rated current(RLA)	A	18.7	25.8	18
	Locked rotor Amp(LRA)	A	136.8	139.0	153.0
	Thermal protector position		INTERNAL	INTERNAL	INTERNAL
	Capacitor	μF	/	60.0	/
	Refrigerant oil/oil charge	ml	3MAF POE/1242	FV68S or Equivalent/1400	FV68S or Equivalent/1700
Outdoor fan motor	Model		YKS-230-6-3L	YKS-230-6-3L	YKSJ-230-6-2L
	Old Model		YDK230-6F-1(B)	YDK230-6F-1(B)	YKSJ-230-6-2L
	Qty		1	1	1
	Input	W	318.0	318.0	300.0
	Capacitor	uF	12	12	/
	Speed	r/min	1095	1095	1095

Outdoor coil	a.Number of rows		1.0	1.0	1.0
	b.Tube pitch(a)x row pitch(b)	mm	21x13.37	21x13.37	21x13.37
	c.Fin spacing	mm	1.3	1.3	1.3
	d.Fin type (code)		Unhydrophilic aluminium	Unhydrophilic aluminium	Unhydrophilic aluminium
	e.Tube outside dia.and type	mm	Φ7,innergroove tube	Φ7,innergroove tube	Φ7,innergroove tube
	f.Coil length x height x width	mm	2030x714x13.37	2030x798x13.37	2030x798x13.37
	g.Number of circuits		5	5	5
Outdoor air flow			7400	0	6500
Outdoor noise level		dB(A)	59.6	64.4	64.4
Outdoor unit	Dimension(W*D*H)	mm	710x710x759	710x710x843	710x710x843
	Packing (W*D*H)	mm	738x738x794	738x738x872	738x738x872
	Net/Gross weight	Kg	69.7/74	80/85	80/85
Refrigerant type	Type		R410A	R410A	R410A
	Charged volume	Kg	2.3	2.2	2.2
Design pressure		MPa	4.8/1.5	4.2/1.5	4.2/1.5
Refrigerant piping	Liquid side/ Gas side	mm(inch)	Φ9.52/Φ19(3/8"/3/4")	Φ9.52/Φ19(3/8"/3/4")	Φ9.52/Φ19(3/8"/3/4")
	Max. refrigerant pipe length	m	50	50	50
	Max. difference in level	m	30	30	30
Room temperature	Cooling	℃	18~43	18~43	18~43
	Heating	℃	/	/	/
Qty'per 20' /40' /40'HQ		Outdoor unit	42/96/144	42/96/142	42/96/142

Notes:

1) Capacities are based on the following conditions:

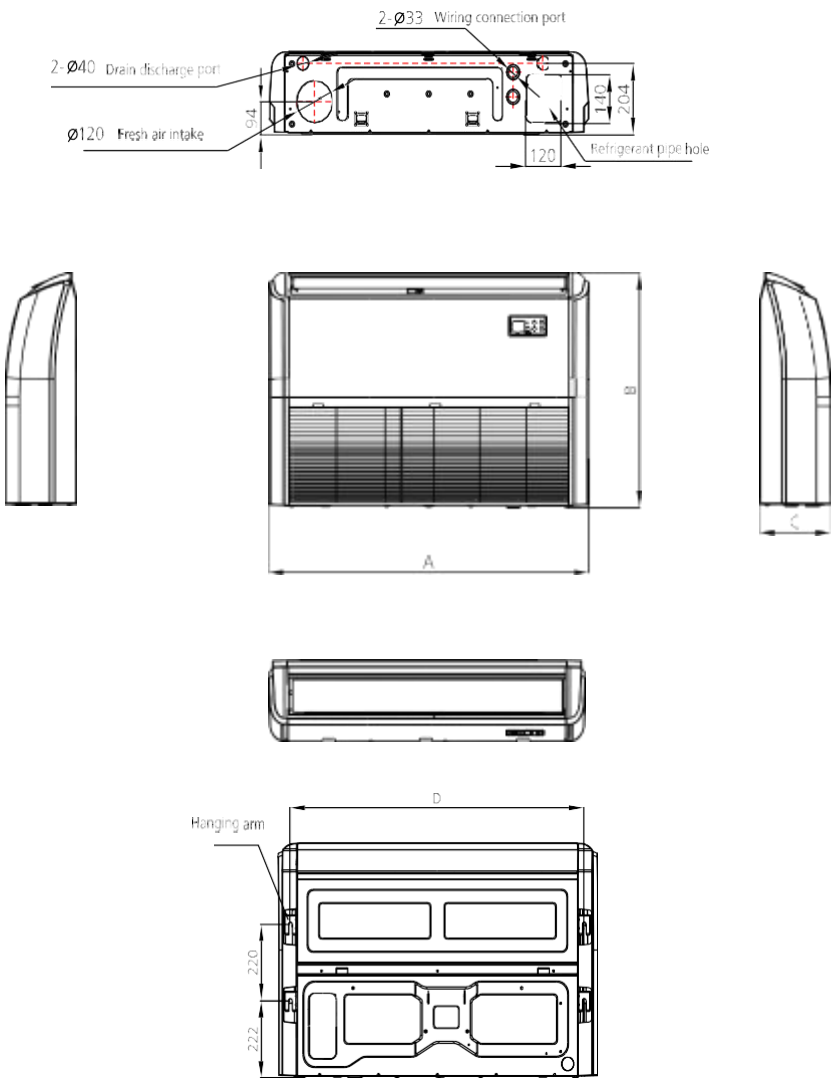
- Cooling: - Indoor Temperature 27°C(80.6°F) DB /19 °C(66.2°F) WB
- Outdoor Temperature 35 °C(95°F) DB /24 °C(75.2°F) WB
- Interconnecting Piping Length 5m
- Level Difference of Zero.

2) Capacities are Net Capacities.

3) Due to our policy of innovation some specifications may be changed without notification.

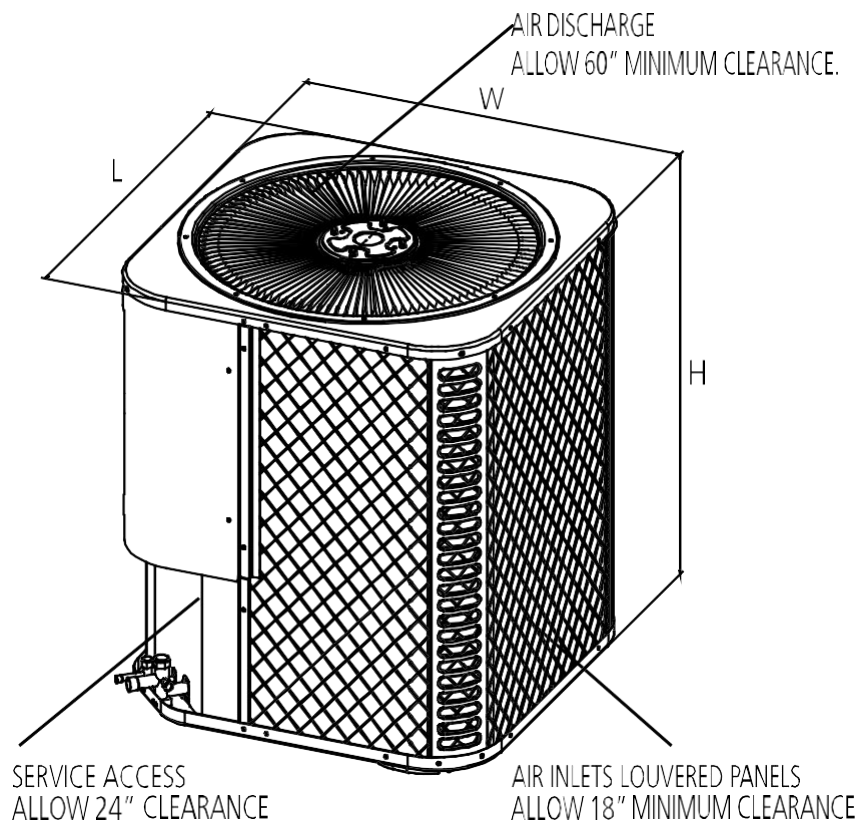
3. Dimensiones

Indoor Unit



Model (KBtu/h)	Unit	A	B	C	D
36	mm	1285	675	235	1200
	inch	50.59	26.57	9.25	47.24
48-60	mm	1650	675	235	1565
	inch	64.96	26.57	9.25	61.61

Outdoor Unit



Model (KBtu/h)	unit	Dimensions			Refrigerant Connection Service Valve Size	
		H	W	L	Liquid	Gas
36	mm	759	600	600	9.52	19
	inch	29-7/8	23-5/8	23-5/8	3/8	3/4
48	mm	759	710	710	9.52	19
	inch	29-7/8	28	28	3/8	3/4
60	mm	843	710	710	9.52	19
	inch	33-3/16	28	28	3/8	3/4