

Cassette R410a



Cooling Only

Trane Indoor Model		MCC512SB04RC	4MCC0518ABSR0AA	4MCC0524ABSR0AA	4MCC0536ABSR0AA	
Trane Outdoor Model		TTK512SRB04CA	4TTK0518AB000CA	4TTK0524AB000CA	4TTK0536AB000CA	
Power supply	V-ph-Hz	220~240-1-50	220-1-50	220~240-1-50	220~240-1-50	
Max. input consumption	W	1950	2600	3700	5400	
Max. input current	A	9.5	12	18	30	
Cooling	Capacity	Btu/h	12000	18000	24000	36000
	Input	W	1256	1884	2510	3900
	Current	A	5.7	8.6	11.5	18
	EER	W/W	2.8	2.8	2.8	2.71
Indoor fan motor	Qty	1	1	1	1	
	Input	w	40.5/35.3/31.4	78/71/51/39	75/69/63	174/145/121
Indoor coil	Speed(hi/mi/lo)	r/min	640/540/440	890/850/685/583	450/390/340	690/610/540
	a.Number of rows		1	2	2	2
	b.Tube pitch(a)x row pitch(b)	mm	21x13.37	21x13.37	21x13.37	21x13.37
	c.Fin spacing	mm	1.3	1.3	1.4	1.4
	d.Fin type (code)		Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium
	e.Tube outside dia.and type	mm	Φ7,innergroove tube	Φ7,innergroove tube	Φ7,innergroove tube	Φ7,innergroove tube
	f.Coil length x height x width	mm	1380x210x13.37	1360x210x26.74	2010x168x26.74	2010x210x26.74
g.Number of circuits		3	4	8	10	
Indoor air flow (Hi/Med/Lo)	m ³ /h	650/550/430	810/650/530	1068 /922 /766	1759/1530/1332	
Sound level (sound pressure)	dB(A)	39.6/35.6/32.8	45.7/39.4/35.9	48/43/38	52.3/48.6/45	
Indoor unit	Dimension (W x Dx H)(body)	mm	570x570x260	570x570x260	840x840x205	840x840x245
	Packing (W x Dx H)(body)	mm	655x655x290	655x655x290	900x900x217	900x900x265
	Dimension (W x Dx H)(panel)	mm	647x647x50	647x647x50	950x950x55	950x950x55
	Packing (W x Dx H)(panel)	mm	715x715x123	715x715x123	1035x1035x90	1035x1035x90
	Net/Gross weight(body)	kg	16.4/19.1	16.2/19.4	23/27	24.8/28.6
	Net/Gross weight(panel)	kg	2.5/4.5	2.5/4.5	5/8	5/8
Design pressure	MPa	4.2/1.5	4.2/1.5	4.2/1.5	4.2/1.5	
Drainage water pipe dia.	mm	ODΦ25	ODΦ25	ODΦ32	ODΦ32	
Refrigerant piping	Liquid side/ Gas side	mm	Φ6.35/Φ12.7(1/4"/1/2")	Φ6.35/Φ12.7(1/4"/1/2")	Φ9.52/Φ15.9(3/8"/5/8")	Φ9.52/Φ19(3/8"/3/4")
	Controller		Remote control	Remote control	Remote control	Remote control
Qty'per 20' /40' /40'HQ	indoor unit+panel	234/488/566	234/488/566	148/312/342	128/268/294	
Compressor	Type		ROTARY	ROTARY	SCROLL	
	Input	W	955/995	1755/1780	2395	3420
	Rated current(RLA)	A	4.35/4.2	8.05/7.55	11.55	20.8
	Refrigerant oil	ml	ESTER OIL VG74/350	ESTER OIL VG74 750	ESTER OIL VG74/ 950	3MAF POE/1242
Outdoor fan motor	Qty	1	1	1	1	
	Input	W	72.5/67	91.8/79.2	144	293.3/261
	Speed	r/min	850/770	890/830	860	850/770
Outdoor coil	Number of rows	2	2	2	2	
	Tube pitch(a)* row pitch(b)	mm	19.5x11.6	19.5x11.6	19.5x11.6	21x13.37
	Fin spacing	mm	1.2	1.2	1.2	1.4
	Fin type		Unhydrophilic aluminium	Unhydrophilic aluminium	Unhydrophilic aluminium	Unhydrophilic aluminium
	Tube outside dia.and type	mm	Φ5,innergroove tube	Φ5,innergroove tube	Φ5,innergroove tube	Φ7, innergroove tube
	Coil length * height * width	mm	760x507x23.2	760x507x23.2	768x663x23.2	1005x756x26.74
	Number of circuits		4	4	4	6
Outdoor noise level (sound pressure)	dB(A)	55.8	62	61	62.5	
Outdoor unit	Dimension(WxDxH)	mm	770x300x555	770x300x555	845x363x702	946x410x810
	Packing(WxDxH)	mm	900x345x585	900x345x585	965x395x755	1090x500x875
	Net/Gross weight	kg	29.5/32.5	33.7/36.2	49.1/52.3	75.6/81.7
Refrigerant type/Quantity	Type		R410A	R410A	R410A	R410A
	Charged volume	kg	0.9	1	1.4	2.4
Design pressure		MPa	4.2/1.5	4.2/1.5	4.2/1.5	4.2/1.5
	Refrigerant piping	Liquid side/ Gas side	mm(inch)	Φ6.35/Φ12.7(1/4"/1/2")	Φ6.35/Φ12.7(1/4"/1/2")	Φ9.52/Φ15.9(3/8"/5/8")
Ambient temperature	Max. pipe length	m	15	25	25	30
	Max. difference in level	m	8	15	15	20
	Cooling	°C	18-43	18-43	18-43	18-43
Qty'per 20' /40' /40'HQ	Heating	°C	/	/	/	/
		Outdoor unit	166/344/344	166/344/344	102/216/216	44/96/144

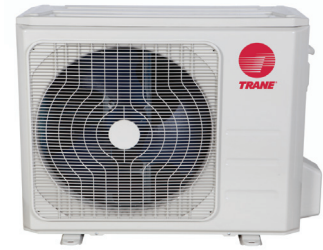
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Trane Indoor Model		4MCC0536ADSR0AA	4MCC0548ADSR0AA	4MCC0560ADSR0AA	
Trane Outdoor Model		4TTK0536AD000CA	4TTK0548AD000CA	4TTK0560AD000CA	
Power supply		V-ph-Hz	380~420-3-50	380~420-3-50	380~415-3-50
Max. input consumption		W	5350	6100	8500
Max. input current		A	11.7	12	13
Cooling	Capacity	Btu/h	36000	48000	60000
	Input	W	3795	5150	6760
	Current	A	6.8	8.7	12.1
	EER	W/W	2.78	2.73	2.6
Indoor fan motor	Qty		1	1	1
	Input	w	174/145/121	174/145/121	174/145/121
	Speed(hi/mi/lo)	r/min	690/610/540	690/610/540	690/610/540
Indoor coil	a.Number of rows		2	3	3
	b.Tube pitch(a)x row pitch(b)	mm	21x13.37	21x13.37	21x13.37
	c.Fin spacing	mm	1.4	1.4	1.4
	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	2010x210x26.74	2080x210x40.11	1930x252x40.11
	g.Number of circuits		10	10	10
Indoor air flow (Hi/Med/Lo)		m ³ /h	1800/1500/1300	1900/1600/1400	1900/1500/1300
Sound level (sound pressure)		dB(A)	51.4/47.6/44.3	54/52/50	55/53/51
Indoor unit	Dimension (W x Dx H)(body)	mm	840x840x245	840x840x245	840x840x287
	Packing (W x Dx H)(body)	mm	900x900x265	900x900x257	900x900x292
	Dimension (W x Dx H)(panel)	mm	950x950x55	950x950x55	950x950x55
	Packing (W x Dx H)(panel)	mm	1035x1035x90	1035x1035x90	1035x1035x90
	Net/Gross weight(body)	kg	24.7/28.4	27/30.5	29/34
	Net/Gross weight(panel)	kg	5/8	5/8	5/8
Design pressure		MPa	4.2/1.5	4.2/1.5	4.2/1.5
Drainage water pipe dia.		mm	ODΦ32	ODΦ32	ODΦ32
Refrigerant piping	Liquid side/ Gas side	mm	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
Qty'per 20' /40' /40'HQ		indoor unit+panel	128/268/294	128/268/294	100/212/238
Compressor	Type		SCROLL	SCROLL	SCROLL
	Input	W	3300	4750	5750
	Rated current(RLA)	A	8.9	8.22	9.77
	Refrigerant oil	ml	3MAF POE/1242	FV68S / 1700	FV68S/1700
Outdoor fan motor	Qty		1	2	2
	Input	W	293.3/261	162	162
	Speed	r/min	850/770	765	765
Outdoor coil	Number of rows		2	2	2
	Tube pitch(a)* row pitch(b)	mm	21x13.37	21x13.37	22x19.05
	Fin spacing	mm	1.4	1.4	1.6
	Fin type		Unhydrophilic aluminium	Unhydrophilic aluminium	Unhydrophilic aluminium
	Tube outside dia.and type	mm	Φ7, innergroove tube	Φ7,innergroove tube	Φ7.94,innergroove tube
	Coil length * height * width	mm	1005x756x26.74	840x1113x26.74	837x1100x38.1
Outdoor noise level (sound pressure)		dB(A)	62.5	62.4	65.1
Outdoor unit	Dimension(WxDxH)	mm	946x410x810	900x350x1170	900x350x1170
	Packing(WxDxH)	mm	1090x500x875	1032x443x1307	1032x443x1307
	Net/Gross weight	kg	73.6/78.2	91.3/102.9	92.3/104
Refrigerant type/Quantity	Type		R410A	R410A	R410A
	Charged volume	kg	2.4	3.05	3.05
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. pipe length	m	30	50	50
	Max. difference in level	m	20	25	25
Ambient temperature	Cooling	°C	18-43	18-43	18-43
	Heating	°C	/	/	/
Qty'per 20' /40' /40'HQ		Outdoor unit	44/96/144	27/57/108	27/57/108

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			Heat Pump			
Trane Indoor Model			MWC512SB04RC	4MWC0518ABSR0AA	4MWC0524ABSR0AA	4MWC0536ABSR0AA
Trane Outdoor Model			TWK512SRB04CA	4TWK0518AB000CA	4TWK0524AB000CA	4TWK0536AB000CA
Power supply	V-ph-Hz		220~240-1-50	220~240-1-50	220~240-1-50	220~240-1-50
Max. input consumption	W		1800	2950	3450	4250
Max. input current	A		8.5	15	18	20.5
Cooling	Capacity	Btu/h	12000	18000	24000	36000
	Input	W	1256	1884	2600	3850
	Current	A	5.7	8.6	12.48	18.5
	EER	W/W	2.8	2.8	2.71	2.74
Heating	Capacity	Btu/h	13000	19000	26000	36000
	Input	W	1320	1720	2400	3850
	Current	A	5.9	7.63	11.52	18.5
	COP	W/W	2.89	3.24	3.18	2.74
Indoor fan motor	Qty		1	1	1	1
	Input	w	40.5/35.3/31.4	78/71/51/39	81/69/63	174/145/121
	Speed(hi/mi/lo)	r/min	640/540/440	890/850/685/583	520/390/340	690/610/540
Indoor coil	a.Number of rows		1	2	2	2
	b.Tube pitch(a)x row pitch(b)	mm	21x13.37	21x13.37	21x13.37	21x13.37
	c.Fin spacing	mm	1.3	1.3	1.4	1.4
	d.Fin type (code)		Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium
	e.Tube outside dia.and type	mm	Φ7,innergroove tube	Φ7,innergroove tube	Φ7,innergroove tube	Φ7,innergroove tube
	f.Coil length x height x width	mm	1380x210x13.37	1360x210x26.74	2010x168x26.74	2010x210x26.74
	g.Number of circuits		3	4	8	10
Indoor air flow (Hi/Med/Lo)	m ³ /h		650/550/430	810/650/530	1200/1050/900	1731/1494/1297
Sound level (sound pressure)	dB(A)		42/38/36	48/41/36	50/45/41	51.6/48.3/44.9
Indoor unit	Dimension (W x Dx H)(body)	mm	570x570x260	570x570x260	840x840x205	840x840x245
	Packing (W x Dx H)(body)	mm	655x655x290	655x655x290	900x900x217	900x900x265
	Dimension (W x Dx H)(panel)	mm	647x647x50	647x647x50	950x950x55	950x950x55
	Packing (W x Dx H)(panel)	mm	715x715x123	715x715x123	1035x1035x90	1035x1035x90
	Net/Gross weight(body)	kg	16.3/19.1	16.5/19	22.1/25.5	25/28.7
Net/Gross weight(panel)	kg	2.5/4.5	2.5/4.5	5/8	5/8	
Design pressure	MPa		4.2/1.5	4.2/1.5	4.2/1.5	4.2/1.5
Drainage water pipe dia.	mm		ODΦ25	ODΦ25	ODΦ32	ODΦ32
Refrigerant piping	Liquid side/ Gas side	mm	Φ6.35/Φ12.7(1/4"/1/2")	Φ6.35/Φ12.7(1/4"/1/2")	Φ9.52/Φ15.9(3/8"/5/8")	Φ9.52/Φ19(3/8"/3/4")
Controller			Remote control	Remote control	Remote control	Remote control
Qty'per 20' /40' /40'HQ	indoor unit+panel		234/488/566	234/488/566	148/312/342	128/268/294
Compressor	Type		ROTARY	ROTARY	ROTARY	SCROLL
	Input	W	955/995	1530	2395	3450
	Rated current(RLA)	A	4.35/4.2	6.9	11.55	16.7
	Refrigerant oil	ml	ESTER OIL VG74/350	ESTER OIL VG74 750	ESTER OIL VG74 · 950	3MAF POE/1242
Outdoor fan motor	Qty		1	1	1	1
	Input	W	72.5/67	91.8/79.2	144	293.3/261
	Speed	r/min	850/770	890/830	860	850/770
Outdoor coil	Number of rows		1.6	2	2	1.6
	Tube pitch(a)* row pitch(b)	mm	21x13.37	21x13.37	21x13.37	25.4x22
	Fin spacing	mm	1.4	1.4	1.2	1.5
	Fin type		Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium
	Tube outside dia.and type	mm	Φ7,innergroove tube	Φ7,innergroove tube	Φ7,innergroove tube	Φ9.52,innergroove tube
	Coil length * height * width	mm	755x504x13.37+475x504x13.37	755x504x26.74	730x651x26.74	1005x762x22+580x762x22
Number of circuits		4	4	6	4	
Outdoor noise level (sound pressure)	dB(A)		59	62	62	63.4
Outdoor unit	Dimension(WxDxH)	mm	770x300x555	770x300x555	845x363x702	946x410x810
	Packing(WxDxH)	mm	900x345x585	900x345x585	965x395x755	1090x500x875
	Net/Gross weight	kg	30.5/32.9	36.5/38.8	52.7/56.1	79.5/85.3
Refrigerant type/Quantity	Type		R410A	R410A	R410A	R410A
	Charged volume	kg	1.1	1.5	1.8	2.5
Design pressure	MPa		4.2/1.5	4.2/1.5	4.2/1.5	4.2/1.5
Refrigerant piping	Liquid side/ Gas side	mm(inch)	Φ6.35/Φ12.7(1/4"/1/2")	Φ6.35/Φ12.7(1/4"/1/2")	Φ9.52/Φ15.9(3/8"/5/8")	Φ9.52/Φ19(3/8"/3/4")
	Max. pipe length	m	18	25	25	30
	Max. difference in level	m	8	15	15	20
Ambient temperature	Cooling	°C	18-43	18-43	18-43	18~ 43
	Heating	°C	-7-24	-7-24	-7-24	-7 ~ 24
Qty'per 20' /40' /40'HQ	Outdoor unit		166/344/344	166/344/344	102/216/216	44/96/144

Heat Pump

Trane Indoor Model		4MWC0536ADSR0AA	4MWC0548ADSR0AA	4MWC0560ADSR0AA	
Trane Outdoor Model		4TWK0536AD000CA	4TWK0548AD000CA	4TWK0560AD000CA	
Power supply	V-ph-Hz	380-415-3-50		380~420-3-50	
Max. input consumption	W	4250	6300	7500	
Max. input current	A	7	10.9	12.6	
Cooling	Capacity	Btu/h	36000	48000	55000
	Input	W	3600	5191	6200
	Current	A	6	9.2	11.1
	EER	W/W	2.93	2.71	2.59
Heating	Capacity	Btu/h	36000	52000	60000
	Input	W	3650	4763	5920
	Current	A	6.1	8.5	10.22
	COP	W/W	2.89	3.2	2.97
Indoor fan motor	Qty		1	1	1
	Input	w	174/145/121	209/145/121	209/145/121
	Speed(hi/mi/lo)	r/min	690/610/540	775/610/540	775/610/540
Indoor coil	a.Number of rows		2	3	3
	b.Tube pitch(a)x row pitch(b)	mm	21x13.37	21x13.37	21x13.37
	c.Fin spacing	mm	1.4	1.4	1.4
	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	2010x210x26.74	2080x210x40.11	2080x252x40.11
	g.Number of circuits		10	10	12
Indoor air flow (Hi/Med/Lo)	m ³ /h	1731/1494/1297	1900/1600/1400	2000/1700/1500	
Sound level (sound pressure)	dB(A)	51.7/48.0/45.2	53/48/44	53/48/44	
Indoor unit	Dimension (W x Dx H)(body)	mm	840x840x245	840x840x245	840x840x287
	Packing (W x Dx H)(body)	mm	900x900x257	900x900x257	900x900x292
	Dimension (W x Dx H)(panel)	mm	950x950x55	950x950x55	950x950x55
	Packing (W x Dx H)(panel)	mm	1035x1035x90	1035x1035x90	1035x1035x90
	Net/Gross weight(body)	kg	24.9/28.8	27/32	29/34
	Net/Gross weight(panel)	kg	5/8	5/8	5/8
Design pressure	MPa	4.2/1.5	4.2/1.5	4.2/1.5	
Drainage water pipe dia.	mm	ODΦ32	ODΦ32	ODΦ32	
Refrigerant piping	Liquid side/ Gas side	mm	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
Qty'per 20' /40' /40'HQ	indoor unit+panel	128/268/294	128/268/294	100/212/238	
Compressor	Type		SCROLL	Scroll	Scroll
	Input	W	3300	4750	5750
	Rated current(RLA)	A	5.9	8.22	9.77
	Refrigerant oil	ml	3MAF POE/1242	FV68S / 1700	FV68S / 1700
Outdoor fan motor	Qty		1	2	2
	Input	W	293.3/261	162	162
	Speed	r/min	846/760	765	765
Outdoor coil	Number of rows		2.6	2	2
	Tube pitch(a)* row pitch(b)	mm	21x13.37	21x13.37	22x19.05
	Fin spacing	mm	1.4	1.4	1.6
	Fin type		Unhydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium
	Tube outside dia.and type	mm	Φ7,innergroove tube	Φ7,innergroove tube	Φ7.94,innergroove tube
	Coil length * height * width	mm	1010x756x26.74+598x756x13.37	840x1113x26.74	837x1100x38.1
Number of circuits		6	8	4	
Outdoor noise level (sound pressure)	dB(A)	64.4	63	63	
Outdoor unit	Dimension(WxDxH)	mm	946x410x810	900x350x1170	900x350x1170
	Packing(WxDxH)	mm	1090x500x875	1032x443x1307	1032x443x1307
	Net/Gross weight	kg	77.1/82.9	93.2/105	97/108
Refrigerant type/Quantity	Type		R410A	R410A	R410A
	Charged volume	kg	2.5	3.25	3.2
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. pipe length	m	30	50	50
	Max. difference in level	m	20	25	25
Ambient temperature	Cooling	°C	18 ~ 43	18-43	18-43
	Heating	°C	-7 ~ 24	-7-24	-7-24
Qty'per 20' /40' /40'HQ	Outdoor unit		44/96/144	27/57/108	27/57/108

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