

# T3 380-3-50/60



8/10/12/14HP



16/18/20HP



- Single Module: 8/10/12/14HP, 16/18/20HP
- Combination Module: 22-60HP, 2-3 modules
- Full DC INVERTER technology
- Max. 1000m total pipe length, Max. 110m height drop
- Compatible with all the MRV indoor units.



Model		AV08IMMEUB	AV10IMMEUB	AV12IMMEUB	AV14IMMEUB	AV16IMMEUB	AV18IMMEUB		AV20IMMEUB	AV22IMMEUB	AV24IMMEUB	AV26IMMEUB	AV28IMMEUB	AV30IMMEUB	AV32IMMEUB	AV34IMMEUB		
Combination model		/	/	/	/	/	/		/	AV10IMMEUB	AV10IMMEUB	AV12IMMEUB	AV14IMMEUB	AV14IMMEUB	AV14IMMEUB	AV16IMMEUB		
		/	/	/	/	/	/		/	AV12IMMEUB	AV14IMMEUB	AV14IMMEUB	AV14IMMEUB	AV16IMMEUB	AV18IMMEUB	AV18IMMEUB		
Capacity	Capacity range	HP	8	10	12	14	16	18	20	22	24	26	28	30	32	34		
	Cooling (T1)	kW	25.2	28	33.5	40	45	50.4	56	61.5	68	73.5	80	85	90.4	95.4		
	Cooling (T3)	kW	23.2	25.2	28.5	32.8	39.6	42.8	44.8	53.7	58.0	61.3	65.6	72.4	75.6	82.4		
	Heating	kW	27	33.5	37.8	45	50	58.5	63	71.3	78.5	82.8	90	95	103.5	108.5		
Electrical parameters	Power supply	Ph/V/Hz	3/380-400/50/60	3/380-400/50/60	3/380-400/50/60	3/380-400/50/60	3/380-400/50/60	3/380-400/50/60	3/380-400/50/60	3/380-400/50/60	3/380-400/50/60	3/380-400/50/60	3/380-400/50/60	3/380-400/50/60	3/380-400/50/60	3/380-400/50/60		
	Cooling (T1)	Rated power input	kW	6.00	7.28	8.52	10.22	11.66	13.25	15.20	15.80	17.50	18.74	20.44	21.88	23.47	24.91	
		Rated current	A	10.13	12.29	14.38	17.25	19.68	22.37	25.66	26.67	29.54	31.64	34.51	36.94	39.62	42.05	
	Cooling (T3)	Rated power input	kW	7.02	8.66	9.76	11.45	13.26	15.25	16.96	18.42	20.11	21.21	22.90	24.71	26.70	28.51	
		Rated current	A	11.85	14.62	16.48	19.33	22.39	25.75	28.63	31.10	33.95	35.81	38.66	41.72	45.08	48.13	
	Cooling	Max power input	kW	16.91	17.65	22.68	24.36	32.30	35.24	37.47	40.33	42.01	47.04	48.72	56.66	59.60	67.54	
		Max current	A	25.10	28.40	32.37	36.80	54.53	56.60	60.50	60.77	65.20	69.17	73.60	93.33	93.40	111.13	
	Heating	Rated power input	kW	5.85	7.32	8.70	10.57	11.95	14.05	15.40	16.02	17.89	19.27	21.14	22.52	24.62	26.00	
		Max power input	kW	11.90	15.60	17.20	19.7	23.80	25.20	28.62	32.80	35.30	36.90	39.40	43.50	44.90	49.00	
		Rated current	A	9.88	12.36	14.69	17.84	20.17	23.72	26.00	27.05	30.20	32.53	35.69	38.02	41.56	43.89	
		Max current	A	19.00	25.20	27.90	33.26	38.00	42.30	47.40	53.10	58.46	61.16	66.52	71.26	75.56	80.30	
	EER		4.20	3.85	3.93	3.91	3.86	3.80	3.68	3.89	3.89	3.92	3.91	3.88	3.85	3.83		
	COP		4.62	4.58	4.34	4.26	4.18	4.16	4.09	4.45	4.39	4.30	4.26	4.22	4.20	4.17		
	Performance	Air flow (H)	m <sup>3</sup> /h	C:15000/H:13200	C:15000/H:13200	C:15000/H:13200	C:15600/H:14400	C:16200/H:15000	C:16200/H:15000	C:16200/H:15000	(C:15000/H:13200)*2	(C:15000/H:13200)*2	(C:15600/H:14400)*2	(C:15000/H:13200)*2	(C:15600/H:14400)*2	(C:16200/H:15000)*2	(C:16200/H:15000)*2	
Sound pressure level (H)		dB(A)	57	57	57	58	59	60	61	60	60.5	60.5	61	61.5	62	62.5		
Sound power level (H)		dB(A)	73	73	73	74	76	77	78	77	78	78	78	79	79	80		
Installation	External dimensions (W/D/H)	mm	1350*720*1690	1350*720*1690	1350*720*1690	1350*720*1690	1350*720*2048	1350*720*2048	1350*720*2048	(1350*720*1690)*2	(1350*720*1690)*2	(1350*720*1690)*2	(1350*720*1690)*2	1350*720*1690 +1350*720*2048	1350*720*1690 +1350*720*2048	1350*720*1690 +1350*720*2048		
	Shipping dimensions (W/D/H)	mm	1450*826*1885	1450*826*1885	1450*826*1885	1450*826*1885	1450*826*2225	1450*826*2225	1450*826*2225	(1450*826*1885)*2	(1450*826*1885)*2	(1450*826*1885)*2	(1450*826*1885)*2	1450*826*1885 +1450*826*2225	1450*826*1885 +1450*826*2225	1450*826*1885 +1450*826*2225		
	Net/Shipping weight	kg	276/301	276/301	279/304	321/346	359/384	359/384	359/384	279/304*2	276/301+321/346	321/346+279/304	321/346*2	321/346+359/384	321/346+359/384	359/384*2		
	Compressor type		DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL		
	Compressor brand		DAIKIN	DAIKIN	DAIKIN	DAIKIN	DAIKIN	DAIKIN	DAIKIN	DAIKIN	DAIKIN	DAIKIN	DAIKIN	DAIKIN	DAIKIN	DAIKIN		
	Compressor quantity		1INV	1INV	1INV	2INV	2INV	2INV	2INV	1INV+1INV	1INV+2INV	1INV+2INV	2INV*2	2INV*2	2INV*2	2INV*2		
	Refrigerant type		R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A		
	Refrigerant charge	kg	9.7	9.7	10	10	10	10	10	9.7+9.7	9.7+10	10+10	10+10	10+10	10+10	10+10		
	Refrigerant liquid pipe	mm	12.7	12.7	12.7	12.7	12.7	12.7	12.7	19.05	19.05	19.05	19.05	19.05	19.05	19.05		
	Refrigerant gas pipe	mm	25.4	25.4	25.4	28.58	28.58	28.58	28.58	31.8	31.8	31.8	31.8	38.1	38.1	38.1		
	Oil equalization pipe	mm	9.52	9.52	9.52	9.52	9.52	9.52	9.52	9.52	9.52	9.52	9.52	9.52	9.52	9.52		
	Max. total pipe length *1	m	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000		
	Standard total pipe length *2	m	500	500	500	500	500	500	500	500	500	500	500	500	500	500		
	Max. pipe length (Equivalent/Actual)	m	190/165	190/165	190/165	190/165	190/165	190/165	190/165	190/165	190/165	190/165	190/165	190/165	190/165	190/165		
Max drop between I.U. & O.U. (O.U. up/down) *3	m	110/90	110/90	110/90	110/90	110/90	110/90	110/90	110/90	110/90	110/90	110/90	110/90	110/90	110/90			
Standard drop between I.U. & O.U. (O.U. up/down) *4	m	50/40	50/40	50/40	50/40	50/40	50/40	50/40	50/40	50/40	50/40	50/40	50/40	50/40	50/40			
Max drop between I.U. *5	m	30	30	30	30	30	30	30	30	30	30	30	30	30	30			
Standard drop between I.U. *6	m	18	18	18	18	18	18	18	18	18	18	18	18	18	18			
External static pressure	Pa	82	82	82	82	82	82	82	82	82	82	82	82	82	82			
Connectable indoor unit ratio	%	50-130	50-130	50-130	50-130	50-130	50-130	50-130	50-130	50-130	50-130	50-130	50-130	50-130	50-130			
Maximum number of indoor units		13	16	20	24	27	30	33	36	40	43	46	50	53	57			
Working temp.	Cooling	C	(-5-52)						(-5-52)						(-5-52)			
	Heating	C	(-23-21)						(-23-21)						(-23-18)			

Max. total pipe length \*1  
Standard total pipe length \*2  
Max drop between I.U. & O.U. \*3

If the total pipe length to all the indoor units is between 500-1000m, you MUST contact your local distributor/dealer for individual design and separate order.  
Standard design and production in the factory.  
If the height difference between the outdoor and the indoor units is from 50 to 110m, you MUST contact your local distributor/dealer for individual design and production.

Standard drop between I.U. & O.U. \*4  
Max drop between I.U. \*5  
Standard drop between I.U. \*6

Standard design and production in the factory.  
If the height difference between the indoor units is from 18 to 30m, you MUST contact your local distributor/dealer for individual design and production.  
Standard design and production in the factory.

\*\* All the specifications are tested under nominal condition (in cooling T1, indoor temp. is 27 C DB/19 C WB; Outdoor temp 35 C DB/24WB; in cooling T3, indoor temp. is 27 C DB/19 C WB; Outdoor temp 46 C DB/24WB; in heating, indoor temp. is 20 C DB; in heating, outdoor temp. is 7 C DB/6 C WB)

# T3 380-3-50/60



60HP



- Single Module: 8/10/12/14HP, 16/18/20HP
- Combination Module: 22-60HP, 2-3 modules
- Full DC INVERTER technology
- Max. 1000m total pipe length, Max. 110m height drop
- Compatible with all the MRV indoor units.



Model		AV36IMMEUB	AV38IMMEUB	AV40IMMEUB	AV42IMMEUB	AV44IMMEUB		AV46IMMEUB	AV48IMMEUB	AV50IMMEUB	AV52IMMEUB	AV54IMMEUB	AV56IMMEUB	AV58IMMEUB	AV60IMMEUB	
Combination model		AV18IMMEUB	AV18IMMEUB	AV20IMMEUB	AV14IMMEUB	AV14IMMEUB		AV14IMMEUB	AV14IMMEUB	AV14IMMEUB	AV16IMMEUB	AV18IMMEUB	AV18IMMEUB	AV18IMMEUB	AV20IMMEUB	
		AV18IMMEUB	AV20IMMEUB	AV20IMMEUB	AV14IMMEUB	AV14IMMEUB		AV14IMMEUB	AV16IMMEUB	AV18IMMEUB	AV18IMMEUB	AV18IMMEUB	AV18IMMEUB	AV20IMMEUB	AV20IMMEUB	
Capacity	Capacity range	HP	36	38	40	42	44	50	48	52	54	56	58	60	60	
	Cooling (T1)	kW	100.8	106.4	112	120	125	130.4	135.4	140.8	145.8	151.2	156.8	162.4	168	
	Cooling (T3)	kW	85.6	87.6	112	98.4	105.2	108.4	115.2	118.4	125.2	128.4	130.4	132.4	134.4	
	Heating	kW	117	121.5	126	135	140	148.5	153.5	162	167	175.5	180	184.5	189	
Electrical parameters	Power supply	PhV/Hz	3/380-400/50/60	3/380-400/50/60	3/380-400/50/60	3/380-400/50/60	3/380-400/50/60	3/380-400/50/60	3/380-400/50/60	3/380-400/50/60	3/380-400/50/60	3/380-400/50/60	3/380-400/50/60	3/380-400/50/60	3/380-400/50/60	
	Cooling (T1)	Rated power input	kW	26.50	28.45	30.40	30.66	32.10	33.30	35.13	36.72	38.16	39.75	41.70	43.65	45.60
		Rated current	A	44.74	48.03	51.32	51.76	55.20	56.22	59.31	61.99	64.42	67.11	70.40	73.69	76.98
	Cooling (T3)	Rated power input	kW	30.50	32.21	33.92	34.35	37.07	38.53	39.96	41.95	43.76	45.75	47.46	49.17	50.88
		Rated current	A	51.49	54.38	57.26	57.99	62.58	65.05	67.46	70.82	73.88	77.24	80.12	83.01	85.90
	Cooling	Max power input	kW	70.48	72.71	74.94	73.08	79.48	82.34	91.90	94.84	102.78	105.72	107.95	110.18	112.41
		Max current	A	113.20	117.10	121.00	110.40	125.70	125.97	147.93	150.00	167.73	173.70	177.60	181.50	
	Heating	Rated power input	kW	28.10	29.45	30.80	31.71	33.29	33.91	36.57	38.67	40.05	42.15	43.50	44.85	46.20
		Max power input	kW	50.40	53.82	57.24	59.10	63.92	68.10	68.70	70.10	74.20	75.60	79.02	82.44	85.86
		Rated current	A	47.44	49.72	52.00	53.53	56.20	57.25	61.74	65.28	67.61	71.16	73.44	75.72	78.00
		Max current	A	84.60	89.70	94.80	99.77	105.86	111.56	113.56	117.86	122.60	126.90	132.00	137.10	142.20
	EER		3.80	3.74	3.68	3.91	3.89	3.92	3.85	3.83	3.82	3.80	3.76	3.72	3.68	
COP		4.16	4.13	4.09	4.26	4.21	4.38	4.20	4.19	4.17	4.16	4.14	4.11	4.09		
Performance	Air flow (H)	m³/h	(C:16200/H:15000)*2	(C:16200/H:15000)*2	(C:16200/H:15000)*2	(C:15600/H:14400)*3	(C:15600/H:14400)*2 +(C:16200/H:15000)	(C:15600/H:14400)*2 +(C:16200/H:15000)	(C:15600/H:14400) +(C:16200/H:15000)*2	(C:15600/H:14400) +(C:16200/H:15000)*2	(C:16200/H:15000)*3	(C:16200/H:15000)*3	(C:16200/H:15000)*3	(C:16200/H:15000)*3	(C:16200/H:15000)*3	
	Sound pressure level (H)	dB(A)	63	63.5	65	63	63	63.5	64	64	64.5	65	65	65.5	66	
	Sound power level (H)	dB(A)	80	81	83	81	81	82	82	82	83	83	83	84	84	
Installation	External dimensions (W/D/H)	mm	(1350*720*2048)*2	(1350*720*2048)*2	(1350*720*2048)*2	1350*720*2048 +(1350*720*1690)*3	1350*720*2048 +(1350*720*1690)*2	1350*720*2048 +(1350*720*1690)*2	(1350*720*2048)*2 +1350*720*1690	(1350*720*2048)*2 +1350*720*1690	(1350*720*2048)*2 +1350*720*1690	(1350*720*2048)*3	(1350*720*2048)*3	(1350*720*2048)*3	(1350*720*2048)*3	(1350*720*2048)*3
	Shipping dimensions (W/D/H)	mm	(1450*826*2225)*2	(1450*826*2225)*2	(1450*826*2225)*2	(1450*826*1885)*3	1450*826*2225 +(1450*826*1885)*2	1450*826*2225 +(1450*826*1885)*2	1450*826*2225 +(1450*826*1885)*2	1450*826*1885 +(1450*826*2225)*2	1450*826*1885 +(1450*826*2225)*2	(1450*826*2225)*3	(1450*826*2225)*3	(1450*826*2225)*3	(1450*826*2225)*3	(1450*826*2225)*3
	Net/Shipping weight	kg	359/384*2	359/384*2	359/384*2	321/346*3	321/346*2+359/384	321/346*2+359/384	321/346*2+359/384	321/346*2+359/384	321/346*2+359/384	359/384*3	359/384*3	359/384*3	359/384*3	359/384*3
	Compressor type		DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL
	Compressor brand		MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC
	Compressor quantity		2INV*2	2INV*2	2INV*2	2INV*3	2INV*3	2INV*3	2INV*3	2INV*3	2INV*3	2INV*3	2INV*3	2INV*3	2INV*3	2INV*3
	Refrigerant type		R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
	Refrigerant charge	kg	10+10	10+10	10+10	10+10+10	10+10+10	10+10+10	10+10+10	10+10+10	10+10+10	10+10+10	10+10+10	10+10+10	10+10+10	10+10+10
	Refrigerant liquid pipe	mm	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05	22.22	22.22	22.22
	Refrigerant gas pipe	mm	38.1	38.1	38.1	38.1	38.1	38.1	41.3	41.3	41.3	41.3	41.3	44.5	44.5	44.5
Oil equalization pipe	mm	9.52	9.52	9.52	9.52	9.52	9.52	9.52	9.52	9.52	9.52	9.52	9.52	9.52	9.52	
Max. total pipe length *1	m	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	
Standard total pipe length *2	m	500	500	500	500	500	500	500	500	500	500	500	500	500	500	
Max. pipe length (Equivalent/Actual)	m	190/165	190/165	190/165	190/165	190/165	190/165	190/165	190/165	190/165	190/165	190/165	190/165	190/165	190/165	
Max drop between I.U.&O.U (O.U up/down) *3	m	110/90	110/90	110/90	110/90	110/90	110/90	110/90	110/90	110/90	110/90	110/90	110/90	110/90	110/90	
Standard drop between I.U. &O.U (O.U up/down) *4	m	50/40	50/40	50/40	50/40	50/40	50/40	50/40	50/40	50/40	50/40	50/40	50/40	50/40	50/40	
Max drop between I.U *5	m	30	30	30	30	30	30	30	30	30	30	30	30	30	30	
Standard drop between I.U *6	m	18	18	18	18	18	18	18	18	18	18	18	18	18	18	
External static pressure	Pa	82	82	82	82	82	82	82	82	82	82	82	82	82	82	
Connection ratio	Connectable indoor unit ratio	%	50-130	50-130	50-130	50-130	50-130	50-130	50-130	50-130	50-130	50-130	50-130	50-130	50-130	
	Maximum number of indoor units		60	64	64	64	64	64	64	64	64	64	64	64	64	
Working temp.	Cooling	C														
	Heating	C														

Max. total pipe length \*1 If the total pipe length to all the indoor units is between 500-1000m, you MUST contact your local distributor/dealer for individual design and separate order.  
 Standard total pipe length \*2 Standard design and production in the factory.  
 Max drop between I.U.&O.U \*3 If the height difference between the outdoor and the indoor units is from 50 to 110m, you MUST contact your local distributor/dealer for individual design and production.

Standard drop between I.U.&O.U \*4 Standard design and production in the factory.  
 Max drop between I.U. \*5 If the height difference between the indoor units is from 18 to 30m, you MUST contact your local distributor/dealer for individual design and production.  
 Standard drop between I.U. \*6 Standard design and production in the factory.

\*\* All the specifications are tested under nominal condition (in cooling T1, indoor temp. is 27 C DB/19 C WB, Outdoor temp 35 C DB/24WB; in cooling T3, indoor temp. is 27 C DB/19 C WB, Outdoor temp 46 C DB/24WB; in heating, indoor temp. is 20 C DB, in heating, outdoor temp. is 7 C DB/6 C WB)