



Air-Cooled Duct Blower & Air-Cooled Condensing Unit (ACCU)



CONTENTS

Page 1	Features
Page 2-3	Nomenclature
Page 4-6	Engineering Specification General Data - Air-cooled Condensing Unit (R410A)
Page 7	Engineering Specification General Data - Air-cooled Condensing Unit (R22)
Page 8	Engineering Specification General Data - Air-cooled Condensing Unit (R407C)
Page 9-11	Engineering Specification General Data - Unit Dimension
Page 12-16	Engineering Specification General Data - Air-cooled Duct Blower R410A (50Hz)
Page 17-21	Engineering Specification General Data - Air-Cooled Split Ducted R410A (60Hz)
Page 22-24	Engineering Specification General Data - Air-Cooled Split Ducted R410A (Large Condensing Unit)
Page 25-29	Engineering Specification General Data - Air-Cooled Ducted Blower / Split Ducted (R22)
Page 30-34	Engineering Specification General Data - Air-Cooled Ducted Blower / Split Ducted (R407C)
Page 35-39	Engineering Specification General Data - Unit Dimension

Features

High Cooling Capacity

Able to achieve cooling load of up to 175kW per unit, ideal for industrial application.

Multi-Circuit Design

A flexible solution to any site physical constraints. MFC's part load capability is also able to prolong compressor lifespans and minimise risk of electrical surge.

Quiet Operation

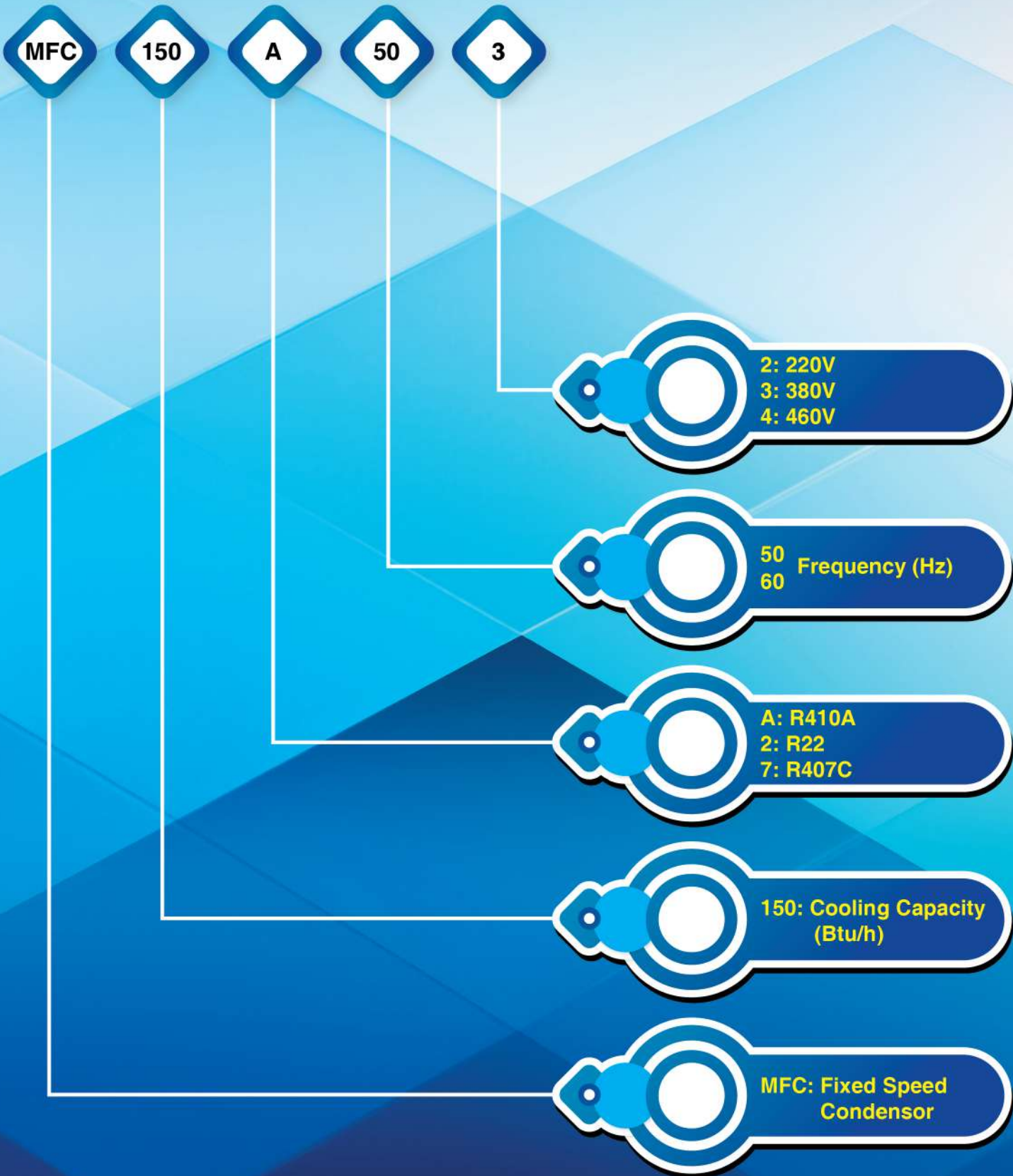
Scroll Compressors are highly efficient and produces low sound levels during operation. Combine with Fan Blowers which are balanced and mounted in both acoustic and thermal-insulated casing to provide the best performance with minimal noises.

Space Saving

MFC is designed to be compact and light for easier planning and installation.

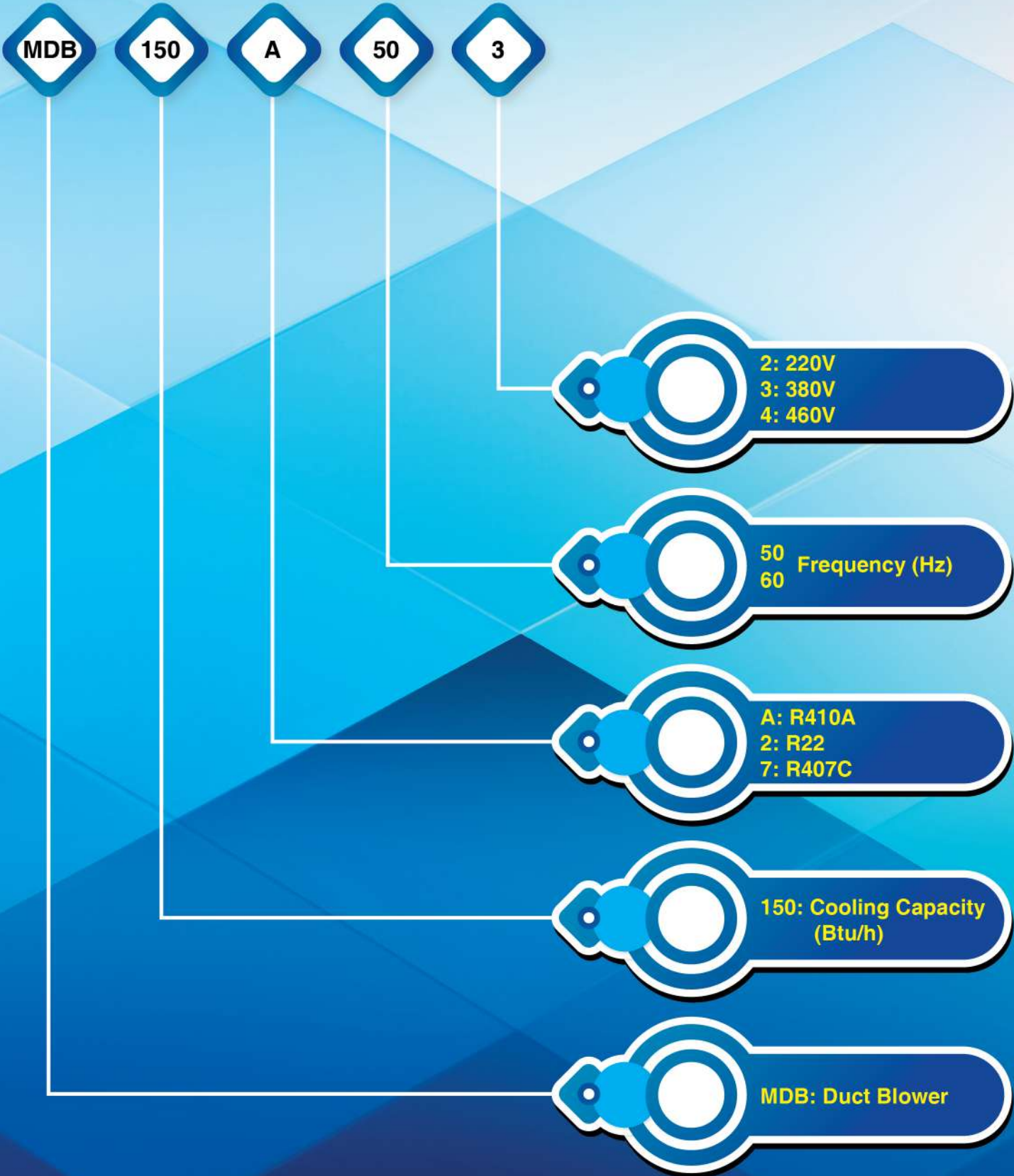
Nomenclature

Air-cooled Condensing Unit (ACCU)



Nomenclature

Air-Cooled Split Ducted



General Data - Air-cooled Condensing Unit (R410A)

Model		Outdoor Unit		MFC	80	100	125	150
Rated Cooling Capacity				kW	23.4	29.3	36.6	44.0
				Btu/h	80,000	100,000	125,000	150,000
Outdoor Unit	Compressor Type			Scroll Compressor				
	Condenser Type			Crossed Finned Cu Tube with Al Fin				
	Dimension	Width	mm	1,308	1,118	1,118	1,118	
		Depth	mm	508	1,012	1,012	1,012	
		Height	mm	951	1,035	1,035	1,035	
	Weight		kg	158	199	202	198	
Power Supply		V/Ph/Hz	415V/3Ph/50Hz & 380V/3Ph/60Hz					
Total Input Power				kW	8.77	11.63	13.7	17
Total Input Current				A	20.56	25.03	24.9	30.7
Refrigerant		Type		R410A				
		Precharge Gas		Nitrogen Holding Charge				
		Refrigerant Charge	kg	5.2	7	7.9	9.7	
		Pipe Connection Type		Brazed				
Connecting Pipe Dimension		Liquid Pipe	mm (in)	12.7 (1/2")	12.7 (1/2")	12.7 (1/2")	15.88 (5/8")	
		Suction Pipe	mm (in)	22.20 (7/8")	25.4 (1")	28.58 (1 1/8")	34.92 (1 3/8")	

Note:

1. Products are tested in accordance to AHRI340/360.
2. Cooling capacity is based on temperature.
3. Air volume is based on high fan speed.
4. Equivalent length of pipe used in performance test is 10m.
5. External static pressure data shown is for standard unit.
6. Products are not pre-charged with refrigerant upon leaving factory.
7. The noise level is measured in test-room condition. The actual noise level at site will differ due to environmental noise or other reasons.
8. The manufacturer reserves the rights to change the specifications without prior notice.
9. 230V and 460V data are available upon request.

35.0 °C DB / 23.9 °C WB ambient

General Data - Air-cooled Condensing Unit (R410A)

Model		Outdoor Unit		MFC	200	250	300
Rated Cooling Capacity				kW	58.6	73.3	87.9
				Btu/h	200'000	250'000	300'000
Outdoor Unit	Compressor Type			Scroll Compressor			
	Compressor Quantity			2			
	Condenser Type			Crossed Finned Cu Tube with Al Fin			
	Dimension	Width	mm	1,103	1,103	1,103	
		Depth	mm	1,154	1,154	1,154	
		Height	mm	1,871	1,871	1,871	
	Weight		kg	320	335	385	
Power Supply		V/Ph/Hz	415V/3Ph/50Hz & 380V/3Ph/60Hz				
Total Input Power			kW	22.41	26.31	31.43	
Rated Load			A	42.46	47.46	61.17	
Max Amp			A	51.1	57.7	68.9	
Refrigerant		Type		R410A			
		Precharge Gas		Nitrogen Holding Charge			
		Refrigerant Charge	kg	7.25 x 2	7.65 x 2	9.2 x 2	
		Pipe Connection Type		Brazed			
Connecting Pipe Dimension		Liquid Pipe	mm (in)	12.7 x 2 (1/2" x 2)	12.7 x 2 (1/2" x 2)	15.88 x 2 (5/8" x 2)	
		Suction Pipe	mm (in)	25.4 x 2 (1" x 2)	28.58 x 2 (1-1/8" x 2)	34.92 x 2 (1-3/8" x 2)	

Note:

1. Products are tested in accordance to AHRI340/360.
2. Cooling capacity is based on temperature.
3. Air volume is based on high fan speed.
4. Equivalent length of pipe used in performance test is 10m.
5. External static pressure data shown is for standard unit.
6. Products are not pre-charged with refrigerant upon leaving factory.
7. The noise level is measured in test-room condition. The actual noise level at site will differ due to environmental noise or other reasons.
8. The manufacturer reserves the rights to change the specifications without prior notice.
9. 230V and 460V data are available upon request.

35.0 °C DB / 23.9 °C WB ambient

General Data - Air-cooled Condensing Unit (R410A)

Model		Outdoor Unit		MFC	400	500	600
Rated Cooling Capacity				kW	117.2	146.5	175.8
				Btu/h	400'000	500'000	600'000
Outdoor Unit	Compressor Type			Scroll Compressor			
	Compressor Quantity			4			
	Condenser Type			Crossed Finned Cu Tube with Al Fin			
	Dimension	Width	mm	1,212	1,212	1,212	
		Depth	mm	2,366	2,366	2,366	
		Height	mm	2,001	2,001	2,001	
	Weight		kg	740	761	835	
Power Supply		V/Ph/Hz	415V/3Ph/50Hz & 380V/3Ph/60Hz				
Total Input Power			kW	44.8	54.12	64.33	
Rated Load			A	84.66	97.09	123.88	
Max Amp			A	104.6	118	126.6	
Refrigerant		Type		R410A			
		Precharge Gas		Nitrogen Holding Charge			
		Refrigerant Charge	kg	7.25 x 4	7.65 x 4	9.2 x 4	
		Pipe Connection Type		Brazed			
Connecting Pipe Dimension		Liquid Pipe	mm (in)	12.7 x 4 (1/2" x 4)	12.7 x 4 (1/2" x 4)	15.88 x 4 (5/8" x 4)	
		Suction Pipe	mm (in)	25.4 x 4 (1" x 4)	28.58 x 4 (1-1/8" x 4)	34.92 x 4 (1-3/8" x 4)	

Note:

1. Products are tested in accordance to AHRI340/360.
2. Cooling capacity is based on temperature.
3. Air volume is based on high fan speed.
4. Equivalent length of pipe used in performance test is 10m.
5. External static pressure data shown is for standard unit.
6. Products are not pre-charged with refrigerant upon leaving factory.
7. The noise level is measured in test-room condition. The actual noise level at site will differ due to environmental noise or other reasons.
8. The manufacturer reserves the rights to change the specifications without prior notice.
9. 230V and 460V data are available upon request.

35.0 °C DB / 23.9 °C WB ambient

General Data - Air-cooled Condensing Unit (R22)

Model		Outdoor Unit		MFC	80	100	125	150
Rated Cooling Capacity				kW	23.4	29.3	36.6	44.0
				Btu/h	80,000	100,000	125,000	150,000
Outdoor Unit	Compressor Type			Scroll Compressor				
	Condenser Type			Crossed Finned Cu Tube with Al Fin				
	Dimension	Width	mm	1,308	986	986	967	
		Depth	mm	508	1,113	1,113	1,110	
		Height	mm	951	1,215	1,215	1,225	
	Weight		kg	158	199	202	198	
Power Supply		V/Ph/Hz	415V/3Ph/50Hz & 380V/3Ph/60Hz					
Total Input Power				kW	9.20	12.02	13.08	17.38
Total Input Current				A	21.60	27.50	23.20	32.86
Refrigerant		Type		R22				
		Precharge Gas		Nitrogen Holding Charge				
		Refrigerant Charge	kg	4.5	5.8	6.8	10.5	
		Pipe Connection Type		Brazed				
Connecting Pipe Dimension		Liquid Pipe	mm (in)	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")	
		Suction Pipe	mm (in)	28.58 (1 1/8")	28.58 (1 1/8")	34.93 (1 3/8")	34.93 (1 3/8")	

Note:

1. Products are tested in accordance to AHRI340/360.
2. Cooling capacity is based on temperature.
3. Air volume is based on high fan speed.
4. Equivalent length of pipe used in performance test is 10m.
5. External static pressure data shown is for standard unit.
6. Products are not pre-charged with refrigerant upon leaving factory.
7. The noise level is measured in test-room condition. The actual noise level at site will differ due to environmental noise or other reasons.
8. The manufacturer reserves the rights to change the specifications without prior notice.
9. 230V and 460V data are available upon request.

35.0 °C DB / 23.9 °C WB ambient

General Data - Air-cooled Condensing Unit (R407C)

Model		Outdoor Unit		MFC	80	100	125	150
Rated Cooling Capacity				kW	22.7	28.4	35.5	42.7
				Btu/h	77,600	97,000	120,150	145,500
Outdoor Unit	Compressor Type			Scroll Compressor				
	Condenser Type			Crossed Finned Cu Tube with Al Fin				
	Dimension	Width	mm	1,308	986	986	967	
		Depth	mm	508	1,113	1,113	1,110	
		Height	mm	951	1,215	1,215	1,225	
	Weight		kg	158	199	202	198	
Power Supply		V/Ph/Hz	415V/3Ph/50Hz & 380V/3Ph/60Hz					
Total Input Power				kW	9.40	11.97	13.13	17.43
Total Input Current				A	22.20	27.70	23.30	33.76
Refrigerant		Type		R22				
		Precharge Gas		Nitrogen Holding Charge				
		Refrigerant Charge	kg	4.5	5.8	6.8	10.5	
		Pipe Connection Type		Brazed				
Connecting Pipe Dimension		Liquid Pipe	mm (in)	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")	
		Suction Pipe	mm (in)	28.58 (1 1/8")	28.58 (1 1/8")	34.93 (1 3/8")	34.93 (1 3/8")	

Note:

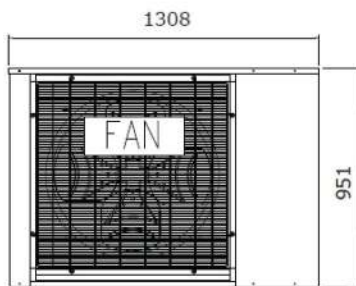
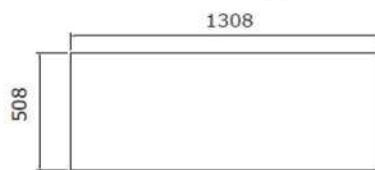
1. Products are tested in accordance to AHRI340/360.
2. Cooling capacity is based on temperature.
3. Air volume is based on high fan speed.
4. Equivalent length of pipe used in performance test is 10m.
5. External static pressure data shown is for standard unit.
6. Products are not pre-charged with refrigerant upon leaving factory.
7. The noise level is measured in test-room condition. The actual noise level at site will differ due to environmental noise or other reasons.
8. The manufacturer reserves the rights to change the specifications without prior notice.
9. 230V and 460V data are available upon request.

35.0 °C DB / 23.9 °C WB ambient

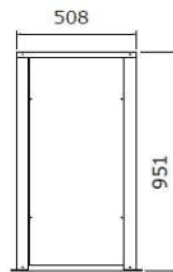
General Data - Unit Dimension

MODEL: MFC 80

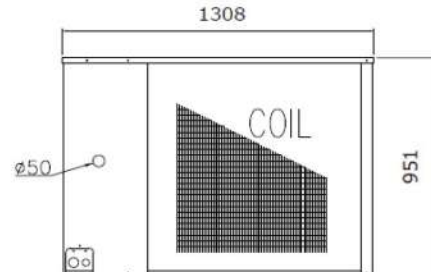
Top View



Front View



Side View

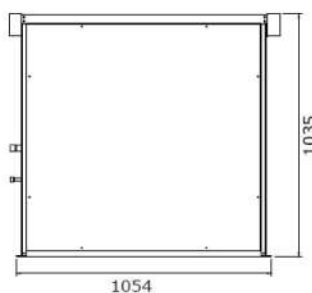
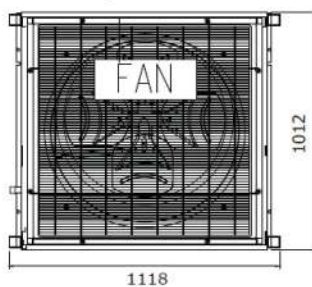


Back View

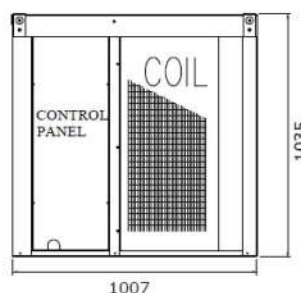
[unit:mm]

MODEL: MFC 100, 125, 150

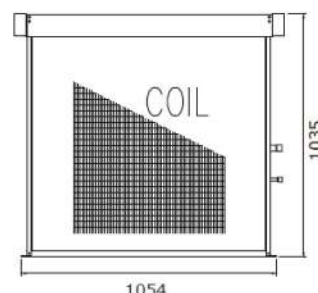
Top View



Front View



Side View

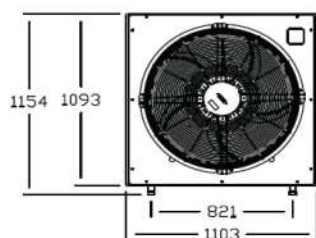


Back View

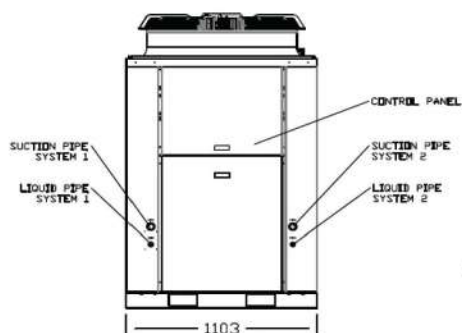
[unit:mm]

General Data - Unit Dimension

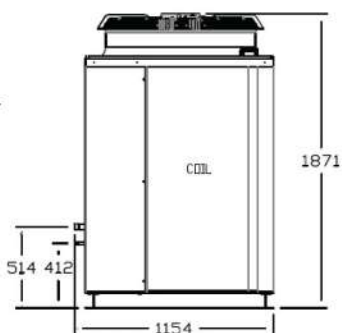
MODEL: MFC 200, 250



Top View



Front View



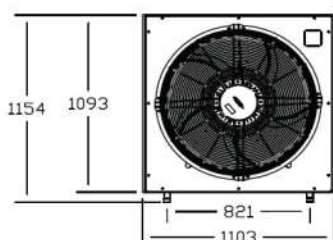
Side View



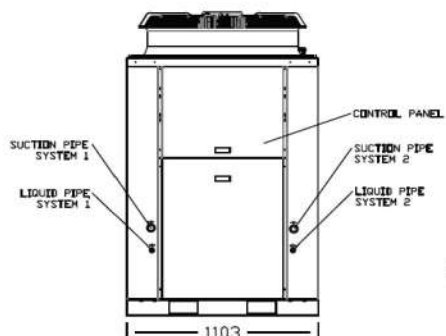
Back View

[unit:mm]

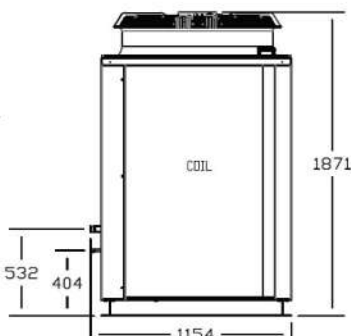
MODEL: MFC 300



Top View



Front View



Side View

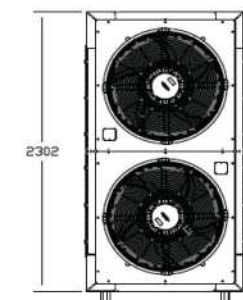


Back View

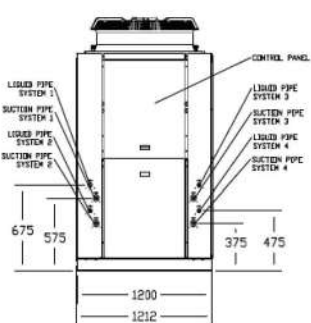
[unit:mm]

General Data - Unit Dimension

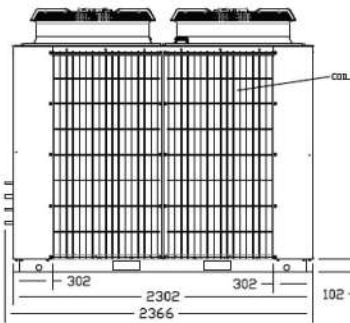
MODEL: MFC 400, 500



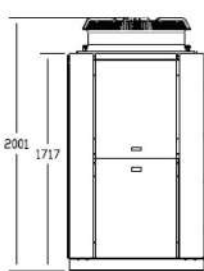
Top View



Front View

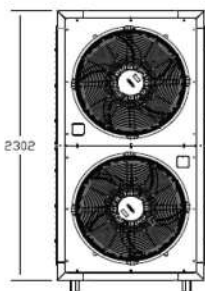


Side View

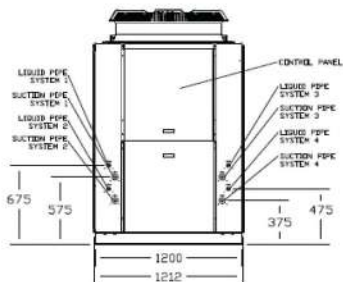


Back View [unit:mm]

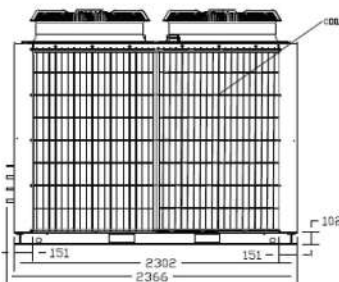
MODEL: MFC 600



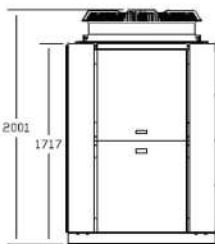
Top View



Front View



Side View



Back View [unit:mm]

General Data - Air-Cooled Split Ducted R410A (50Hz)

Model		Indoor Unit	MDB	80	100	125	150
		Outdoor Unit	MFC	80	100	125	150
Total Cooling Capacity			kW	23.4	29.3	36.6	44.0
			Btu/h	80,000	100,000	125,000	150,000
Indoor Unit	Type		Single Skin				
	Dimension	Width	mm	1,431	1,731	1,872	1,872
		Length	mm	940	940	1,140	1,140
		Height	mm	477	477	700	700
	Weight		kg	96	123	202	203
	Fan	Air Volume	CMH	4,000	5,000	6,250	7,500
			CFM	2,354	2,943	3,679	4,415
		ESP	Pa	145	175	200	200
		Power Supply	V/Ph/Hz	220~240/1/50		380~415/3/50	
	Sound Pressure Level		dB(A)	64	65	65	65
	Condensate Water Pipe Dimension		mm (in)	25.4 (1")			
Outdoor Unit	Compressor Type		Scroll Compressor				
	Condenser Type		Crossed Finned Cu Tube with Al Fin				
	Dimension	Width	mm	1,308	1,118	1,118	1,118
		Length	mm	508	1,012	1,012	1,012
		Height	mm	951	1,035	1,035	1,035
	Weight		kg	139	179	181	197
	Power Supply		V/Ph/Hz	380~415/3/50			
Total Input Power		kW	8.20	11.29	12.83	16.15	
Rated Load Amp (RLA)		A	19.80	27.72	23.05	31.17	
Maximum Running Amp (MRA)		A	29.51	35.93	34.81	52.20	
Refrigerant		Refrigerant Charge	kg	4.50	6.00	7.00	8.50
		Type		R410A			
		Pre-charge Gas		Nitrogen Holding Charge			
		Pipe Connection Type		Brazed			
Connecting Pipe Dimension		Liquid Pipe	mm (in)	12.70	12.70	12.70	15.88
				(1/2")	(1/2")	(1/2")	(5/8")
		Suction Pipe	mm (in)	22.20	25.40	28.58	34.92
				(7/8")	(1")	(1 1/8")	(1 3/8")

General Data - Air-Cooled Split Ducted R410A (50Hz)

Model		Indoor Unit		MDB	200	250	300
		Outdoor Unit		MFC	100x2	125x2	150x2
Total Cooling Capacity				kW	58.6	73.3	87.9
				Btu/h	200,000	250,000	300,000
Indoor Unit	Type			Double Skin			
	Dimension	Width		mm	2,248	2,241	2,152
		Length		mm	1,297	1,347	1,547
		Height		mm	810	1,155	1,175
	Weight			kg	258	312	366
	Fan	Air Volume		CMH	10,000	12,500	15,000
				CFM	5,886	7,358	8,829
		ESP		Pa	250	300	300
		Power Supply		V/Ph/Hz	380~415/3/50		
	Sound Pressure Level			dB(A)	66	66	67
Condensate Water Pipe Dimension			mm (in)	25.4 (1")			
Outdoor Unit	Compressor Type			Scroll Compressor			
	Condenser Type			Crossed Finned Cu Tube with Al Fin			
	Dimension	Width		mm	1,118x2	1,118x2	1,118x2
		Length		mm	1,012x2	1,012x2	1,012x2
		Height		mm	1,035	1,035	1,035
	Weight			kg	179x2	181x2	197x2
	Power Supply			V/Ph/Hz	380~415/3/50		
Total Input Power			kW	22.34	26.17	32.20	
Rated Load Amp (RLA)			A	41.88	46.78	62.08	
Maximum Running Amp (MRA)			A	56.25	71.12	105.34	
Refrigerant		Refrigerant Charge		kg	6.00x2	7.00x2	8.50x2
		Type			R410A		
		Pre-charge Gas			Nitrogen Holding Charge		
		Pipe Connection Type			Brazed		
Connecting Pipe Dimension		Liquid Pipe		mm (in)	12.70x2	12.70x2	15.88x2
					(1/2"x2)	(1/2"x2)	(5/8"x2)
		Suction Pipe		mm (in)	25.40x2	28.58x2	34.92x2
					(1"x2)	(1 1/8"x2)	(1 3/8"x2)

General Data - Air-Cooled Split Ducted R410A (50Hz)

Model		Indoor Unit	MDB	350		400	450
		Outdoor Unit	MFC	100	125x2	100x4	150x3
Total Cooling Capacity			kW	102.6		117.2	131.9
			Btu/h	350,000		400,000	450,000
Indoor Unit	Type			Double Skin			
	Dimension	Width	mm	2,081		2,432	2,787
		Length	mm	1,547		1,547	1,637
		Height	mm	1,450		1,450	1,450
	Weight		kg	374		567	626
	Fan	Air Volume	CMH	17,500		20,000	22,500
			CFM	10,500		11,772	13,244
		ESP	Pa	300		300	350
		Power Supply	V/Ph/Hz	380~415/3/50			
	Sound Pressure Level		dB(A)	67		68	68
Condensate Water Pipe Dimension		mm (in)	25.4 (1")				
Outdoor Unit	Compressor Type			Scroll Compressor			
	Condenser Type			Crossed Finned Cu Tube with Al Fin			
	Dimension	Width	mm	1,118x3		1,118x4	1,118x3
		Length	mm	1,012x3		1,012x4	1,012x3
		Height	mm	1035		1,035	1,035
	Weight		kg	179	181x2	179x4	197x3
	Power Supply		V/Ph/Hz	380~415/3/50			
Total Input Power		kW	37.29		44.60	49.11	
Rated Load Amp (RLA)		A	67.55		83.40	94.23	
Maximum Running Amp (MRA)		A	110.01		115.00	157.10	
Refrigerant		Refrigerant Charge	kg	6.00	7.00x2	6.00x4	8.50x3
		Type		R410A			
		Pre-charge Gas		Nitrogen Holding Charge			
		Pipe Connection Type		Brazed			
Connecting Pipe Dimension		Liquid Pipe	mm (in)	12.70x3		12.70x4	15.88x3
				(1/2"x3)		(1/2"x4)	(5/8"x3)
		Suction Pipe	mm (in)	25.40	28.58x2	25.40x4	34.92x3
				(1")	(1 1/8"x2)	(1"x4)	(1 3/8"x3)

General Data - Air-Cooled Split Ducted R410A (50Hz)

Model		Indoor Unit		MDB	500	600	750	
		Outdoor Unit		MFC	125x4	150x4	150x5	
Total Cooling Capacity				kW	146.5	175.8	219.8	
				Btu/h	500,000	600,000	750,000	
Indoor Unit	Type			Double Skin				
	Dimension	Width		mm	2,782	2,782	2,782	
		Length		mm	1,637	1,737	1,859	
		Height		mm	1450	1,650	2,006	
	Weight			kg	663	830	851	
	Fan	Air Volume		CMH	25,000	30,000	37,500	
				CFM	14,715	17,658	22,073	
		ESP		Pa	400	400	450	
		Power Supply		V/Ph/Hz	380~415/3/50			
	Sound Pressure Level			dB(A)	68	70	70	
	Condensate Water Pipe Dimension			mm (in)	25.4 (1")			
Outdoor Unit	Compressor Type			Scroll Compressor				
	Condenser Type			Crossed Finned Cu Tube with Al Fin				
	Dimension	Width		mm	1,118x4	1,118x4	1,118x5	
		Length		mm	1,012x4	1,012x4	1,012x5	
		Height		mm	1035	1,035	1,035	
	Weight			kg	181x4	197x4	197x5	
	Power Supply			V/Ph/Hz	380~415/3/50			
Total Input Power			kW	53.72	65.43	82.93		
Rated Load Amp (RLA)			A	95.59	125.56	158.61		
Maximum Running Amp (MRA)			A	148.30	211.50	265.10		
Refrigerant		Refrigerant Charge		kg	7.00x4	8.50x4	8.50x5	
		Type			R410A			
		Pre-charge Gas			Nitrogen Holding Charge			
		Pipe Connection Type			Brazed			
Connecting Pipe Dimension		Liquid Pipe		mm (in)	12.70x4	15.88x4	15.88x5	
					(1/2"x4)	(5/8"x4)	(5/8"x5)	
		Suction Pipe		mm (in)	28.58x4	34.92x4	34.92x5	
					(1 1/8"x4)	(1 3/8"x4)	(1 3/8"x5)	

General Data - Air-Cooled Split Ducted R410A (50Hz)

Note:

1. Products are tested in accordance to ARI340/360.
2. Cooling capacity is based on 26.7 °C DB / 19.4 °C WB for indoor air, 35.0 °C DB / 23.9 °C WB ambient temperature.
3. Air volume is based on high fan speed.
4. Equivalent length of pipe used in performance test is 10m.
5. External static pressure data shown is for standard unit.
6. Products are not pre-charged with refrigerant upon leaving factory.
7. The noise level is measured in test-room condition. The actual noise level at site will differ due to environmental noise or other reasons.
8. The manufacturer reserves the rights to change the specifications without prior notice.

General Data - Air-Cooled Split Ducted R410A (60Hz)

Model		Indoor Unit	MDB	80	100	125	150
		Outdoor Unit	MFC	80	100	125	150
Total Cooling Capacity			kW	23.4	29.3	36.6	44.0
			Btu/h	80,000	100,000	125,000	150,000
Indoor Unit	Type		Single Skin				
	Dimension	Width	mm	1,431	1,731	1,872	1,872
		Length	mm	940	940	1,140	1,140
		Height	mm	477	477	700	700
	Weight		kg	96	123	202	203
	Fan	Air Volume	CMH	4,000	5,000	6,250	7,500
			CFM	2,354	2,943	3,679	4,415
		ESP	Pa	145	175	200	200
		Power Supply	V/Ph/Hz	220/1/60		380/3/60	
	Sound Pressure Level		dB(A)	66	67	67	67
	Condensate Water Pipe Dimension		mm (in)	25.4 (1")			
Outdoor Unit	Compressor Type		Scroll Compressor				
	Condenser Type		Crossed Finned Cu Tube with Al Fin				
	Dimension	Width	mm	1,308	1,118	1,118	1,118
		Length	mm	508	1,012	1,012	1,012
		Height	mm	951	1,035	1,035	1,035
	Weight		kg	139	179	181	197
	Power Supply		V/Ph/Hz	380/3/60			
Total Input Power		kW	9.57	12.15	13.90	17.32	
Rated Load Amp (RLA)		A	21.70	29.45	25.43	30.24	
Maximum Running Amp (MRA)		A	29.51	35.93	34.81	52.50	
Refrigerant		Refrigerant Charge	kg	3.40	5.20	5.50	7.50
		Type		R410A			
		Pre-charge Gas		Nitrogen Holding Charge			
		Pipe Connection Type		Brazed			
Connecting Pipe Dimension		Liquid Pipe	mm (in)	12.70	12.70	12.70	15.88
				(1/2")	(1/2")	(1/2")	(5/8")
		Suction Pipe	mm (in)	22.20	25.40	28.58	34.92
				(7/8")	(1")	(1 1/8")	(1 3/8")

General Data - Air-Cooled Split Ducted R410A (60Hz)

Model		Indoor Unit		MDB	200	250	300
		Outdoor Unit		MFC	100x2	125x2	150x2
Total Cooling Capacity				kW	58.6	73.3	87.9
				Btu/h	200,000	250,000	300,000
Indoor Unit	Type			Double Skin			
	Dimension	Width		mm	2,248	2,241	2,152
		Length		mm	1,297	1,347	1,547
		Height		mm	810	1,155	1,175
	Weight			kg	258	312	366
	Fan	Air Volume		CMH	10,000	12,500	15,000
				CFM	5,886	7,358	8,829
		ESP		Pa	250	300	300
		Power Supply		V/Ph/Hz	380/3/60		
	Sound Pressure Level			dB(A)	68	68	69
Condensate Water Pipe Dimension			mm (in)	25.4 (1’')			
Outdoor Unit	Compressor Type			Scroll Compressor			
	Condenser Type			Crossed Finned Cu Tube with Al Fin			
	Dimension	Width		mm	1,118x2	1,118x2	1,118x2
		Length		mm	1,012x2	1,012x2	1,012x2
		Height		mm	1,035	1,035	1,035
	Weight			kg	179x2	181x2	197x2
	Power Supply			V/Ph/Hz	380/3/60		
Total Input Power			kW	23.95	27.86	34.74	
Rated Load Amp (RLA)			A	44.71	51.73	60.57	
Maximum Running Amp (MRA)			A	56.25	71.12	105.34	
Refrigerant		Refrigerant Charge		kg	5.50x2	5.50x2	7.50x2
		Type			R410A		
		Pre-charge Gas			Nitrogen Holding Charge		
		Pipe Connection Type			Brazed		
Connecting Pipe Dimension		Liquid Pipe		mm (in)	12.70x2	12.70x2	15.88x2
					(1/2"x2)	(1/2"x2)	(5/8"x2)
		Suction Pipe		mm (in)	25.40x2	28.58x2	34.92x2
					(1"x2)	(1 1/8"x2)	(1 3/8"x2)

General Data - Air-Cooled Split Ducted R410A (60Hz)

Model		Indoor Unit	MDB	350		400	450
		Outdoor Unit	MFC	100	125x2	100x4	150x3
Total Cooling Capacity			kW	102.6		117.2	131.9
			Btu/h	350,000		400,000	450,000
Indoor Unit	Type			Double Skin			
	Dimension	Width	mm	2,081		2,432	2,787
		Length	mm	1,547		1,547	1,637
		Height	mm	1,450		1,450	1,450
	Weight		kg	374		567	626
	Fan	Air Volume	CMH	17,500		20,000	22,500
			CFM	10,500		11,772	13,244
		ESP	Pa	300		300	350
		Power Supply	V/Ph/Hz	380/3/60			
	Sound Pressure Level		dB(A)	69		70	70
Condensate Water Pipe Dimension		mm (in)	25.4 (1")				
Outdoor Unit	Compressor Type			Scroll Compressor			
	Condenser Type			Crossed Finned Cu Tube with Al Fin			
	Dimension	Width	mm	1,118x3		1,118x4	1,118x3
		Length	mm	1,012x3		1,012x4	1,012x3
		Height	mm	1035		1,035	1,035
	Weight		kg	179	181x2	179x4	197x3
	Power Supply		V/Ph/Hz	380/3/60			
Total Input Power		kW	40.28		47.57	52.39	
Rated Load Amp (RLA)		A	73.85		88.58	91.14	
Maximum Running Amp (MRA)		A	110.01		115.00	157.10	
Refrigerant		Refrigerant Charge	kg	5.20	6.50x2	5.20x4	7.50x3
		Type		R410A			
		Pre-charge Gas		Nitrogen Holding Charge			
		Pipe Connection Type		Brazed			
Connecting Pipe Dimension		Liquid Pipe	mm (in)	12.70x3		12.70x4	15.88x3
				(1/2"x3)		(1/2"x4)	(5/8"x3)
		Suction Pipe	mm (in)	25.40	28.58x2	25.40x4	34.92x3
				(1")	(1 1/8"x2)	(1"x4)	(1 3/8"x3)

General Data - Air-Cooled Split Ducted R410A (60Hz)

Model		Indoor Unit	MDB	500	600	750
		Outdoor Unit	MFC	125x4	150x4	150x5
Total Cooling Capacity			kW	146.5	175.8	219.8
			Btu/h	500,000	600,000	750,000
Indoor Unit	Type			Double Skin		
	Dimension	Width	mm	2,782	2,782	2,782
		Length	mm	1,637	1,737	1,859
		Height	mm	1450	1,650	2,006
	Weight		kg	663	830	851
	Fan	Air Volume	CMH	25,000	30,000	37,500
			CFM	14,715	17,658	22,073
		ESP	Pa	400	400	450
		Power Supply	V/Ph/Hz	380/3/60		
	Sound Pressure Level		dB(A)	70	72	72
Condensate Water Pipe Dimension		mm (in)	25.4 (1’')			
Outdoor Unit	Compressor Type			Scroll Compressor		
	Condenser Type			Crossed Finned Cu Tube with Al Fin		
	Dimension	Width	mm	1,118x4	1,118x4	1,118x5
		Length	mm	1,012x4	1,012x4	1,012x5
		Height	mm	1035	1,035	1,035
	Weight		kg	181x4	197x4	197x5
	Power Supply		V/Ph/Hz	380~415/3/50		
Total Input Power		kW	57.49	70.58	88.02	
Rated Load Amp (RLA)		A	104.50	122.83	152.95	
Maximum Running Amp (MRA)		A	148.30	211.50	265.10	
Refrigerant		Refrigerant Charge	kg	5.50x4	7.50x4	7.50x5
		Type		R410A		
		Pre-charge Gas		Nitrogen Holding Charge		
		Pipe Connection Type		Brazed		
Connecting Pipe Dimension		Liquid Pipe	mm (in)	12.70x4	15.88x4	15.88x5
				(1/2"x4)	(5/8"x4)	(5/8"x5)
		Suction Pipe	mm (in)	28.58x4	34.92x4	34.92x5
				(1 1/8"x4)	(1 3/8"x4)	(1 3/8"x5)

General Data - Air-Cooled Split Ducted R410A (60Hz)

Note:

1. Products are tested in accordance to ARI340/360.
2. Cooling capacity is based on 26.7 °C DB / 19.4 °C WB for indoor air, 35.0 °C DB / 23.9 °C WB ambient temperature.
3. Air volume is based on high fan speed.
4. Equivalent length of pipe used in performance test is 10m.
5. External static pressure data shown is for standard unit.
6. Products are not pre-charged with refrigerant upon leaving factory.
7. The noise level is measured in test-room condition. The actual noise level at site will differ due to environmental noise or other reasons.
8. The manufacturer reserves the rights to change the specifications without prior notice.

General Data - Air-Cooled Split Ducted R410A (Large Condensing Unit)

Model		Indoor Unit		MDB	200	250	300
		Outdoor Unit		MFC	200	250	300
Rated Cooling Capacity				kW	58.6	73.3	87.9
				Btu/h	200,000	250,000	300,000
Indoor Unit	Type			Double Skin			
	Dimension	Width		mm	2,248	2,241	2,152
		Length		mm	1,297	1,347	1,547
		Height		mm	810	1,155	1,175
	Weight			kg	258	312	366
	Fan	Air Volume		CMH	10,000	12,500	15,000
				CFM	5,886	7,358	8,829
		ESP		Pa	250	300	300
		Power Supply		V/Ph/Hz	380~415/3/50		
	Sound Pressure Level			dB(A)	66	66	67
Condensate Water Pipe			mm (in)	25.4 (1’')			
Outdoor Unit	Compressor Type			Scroll Compressor			
	Compressor Quantity			Set	2	2	2
	Condenser Type			Crossed Finned Cu Tube with Hydrophilic Fin			
	Dimension	Width		mm	1,103	1,103	1,103
		Length		mm	1,154	1,154	1,154
		Height		mm	1,871	1,871	1,871
	Weight			kg	320	335	385
	Power Supply			V/Ph/Hz	380~415/3/50		
Total Input Power			kW	22.41	26.31	31.43	
Rated Load Amp (RLA)			A	42.46	47.46	61.17	
Maximum Running Amp (MRA)			A	58.78	67.78	85.10	
Refrigerant		Refrigerant Charge		kg	7.25x2	7.65x2	9.20x2
		Type			R410A		
		Precharge Gas			Nitrogen Holding Charge		
		Pipe Connection Type			Brazed		
Connecting Pipe Dimension		Liquid Pipe	mm (in)	12.7x2	12.70x2	15.88x2	
				(1/2"x2)	(1/2"x2)	(5/8"x2)	
		Suction Pipe	mm (in)	25.40x2	28.58x2	34.92x2	
				(1"x2)	(1 1/8"x2)	(1 3/8"x2)	

General Data - Air-Cooled Split Ducted R410A (Large Condensing Unit)

Model		Indoor Unit		MDB	400	500	600	
		Outdoor Unit		MFC	400	500	600	
Rated Cooling Capacity				kW	117.2	146.5	175.8	
				Btu/h	400,000	500,000	600,000	
Indoor Unit	Type			Double Skin				
	Dimension	Width		mm	2,432	2,782	2,782	
		Length		mm	1,547	1,637	1,737	
		Height		mm	1,450	1450	1,650	
	Weight			kg	567	663	830	
	Fan	Air Volume		CMH	20,000	25,000	30,000	
				CFM	11,772	14,715	17,658	
		ESP		Pa	300	400	400	
		Power Supply		V/Ph/Hz	380~415/3/50			
	Sound Pressure Level			dB(A)	68	68	70	
	Condensate Water Pipe			mm (in)	25.4 (1’')			
Outdoor Unit	Compressor Type			Scroll Compressor				
	Compressor Quantity			Set	4	4	4	
	Condenser Type			Crossed Finned Cu Tube with Hydrophilic Fin				
	Dimension	Width		mm	1,212	1,212	1,212	
		Length		mm	2,366	2,366	2,366	
		Height		mm	2,001	2,001	2,001	
	Weight			kg	740	761	835	
	Power Supply			V/Ph/Hz	380~415/3/50			
Total Input Power			kW	44.80	54.12	64.33		
Rated Load Amp (RLA)			A	84.66	97.09	123.88		
Maximum Running Amp (MRA)			A	119.78	152.78	180.33		
Refrigerant		Refrigerant Charge		kg	7.25x4	7.65x4	9.20x4	
		Type			R410A			
		Precharge Gas			Nitrogen Holding Charge			
		Pipe Connection Type			Brazed			
Connecting Pipe Dimension		Liquid Pipe		mm (in)	12.7x4	12.70x4	15.88x4	
					(1/2"x4)	(1/2"x4)	(5/8"x4)	
		Suction Pipe		mm (in)	25.40x2	28.58x4	34.92x4	
					(1"x4)	(1 1/8"x4)	(1 3/8"x4)	

General Data - Air-Cooled Split Ducted R410A (Large Condensing Unit)

Note:

1. Products are tested in accordance to AHRI 340/360.
2. Cooling capacity is based on 26.7 °C DB / 19.4 °C WB for indoor air, 35.0 °C DB / 23.9 °C WB for ambient temperature.
3. Equivalent length of pipe used in performance test is 10m.
4. External static pressure data shown is for standard unit.
5. Products are not pre-charged with refrigerant upon leaving factory.
6. The noise level is measured in test-room condition. The actual noise level at site will differ due to environmental noise or other reasons.
7. The manufacturer reserves the rights to change the specifications without prior notice.

General Data - Air-Cooled Ducted Blower (R22)

Model		Indoor Unit	MDB	80	100	125	150
		Outdoor Unit	MFC	80	100	125	150
Rated Cooling Capacity			kW	23.4	29.3	36.6	44.0
			Btu/h	80,000	100,000	125,000	150,000
Indoor Unit	Type		Single Skin				
	Dimension	Width	mm	1,450	1,750	1,882	1,882
		Depth	mm	900	900	1,140	1,140
		Height	mm	440	440	707	707
	Weight		kg	99	126	208	209
	Fan	Air Volume	CMH	4,000	5,000	7,200	7,500
			CFM	2,350	2,945	4,240	4,415
		ESP	Pa	100	100	150	150
		Power Supply	V/Ph/Hz	220~240/1/50		380~415/3/50	
	Sound Pressure Level		dB(A)	64	66	65	66
Condensate Water Pipe Dimension		mm (in)	25.4 (1")				
Outdoor Unit	Compressor Type		Scroll Compressor				
	Condenser Type		Crossed Finned Cu Tube with Al Fin				
	Dimension	Width	mm	1,308	986	986	967
		Depth	mm	508	1,113	1,113	1,110
		Height	mm	951	1,215	1,215	1,225
	Weight		kg	158	199	202	198
	Power Supply		V/Ph/Hz	380~415/3/50			
Total Input Power		kW	9.20	12.02	13.08	17.38	
Total Input Current		A	21.60	27.50	23.20	32.86	
Refrigerant		Refrigerant Charge	kg	4.5	5.8	6.8	10.5
		Type		R22			
		Precharge Gas		Nitrogen Holding Charge			
		Pipe Connection Type		Brazed			
Connecting Pipe Dimension		Liquid Pipe	mm (in)	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")
		Suction Pipe	mm (in)	28.58 (1 1/8")	28.58 (1 1/8")	34.92 (1 3/8")	34.92 (1 3/8")

General Data - Air-Cooled Ducted Blower (R22)

Model		Indoor Unit		MDB	200	250	300	
		Outdoor Unit		MFC	100x2	125x2	150x2	
Rated Cooling Capacity				kW	58.6	73.3	87.9	
				Btu/h	200,000	250,000	300,000	
Indoor Unit	Type			Double Skin				
	Dimension	Width		mm	2,248	2,241	2,152	
		Depth		mm	1,297	1,347	1,547	
		Height		mm	780	1,155	1,175	
	Weight			kg	266	322	377	
	Fan	Air Volume		CMH	10,000	13,600	15,000	
				CFM	5,885	8,005	8,829	
		ESP		Pa	250	250	300	
		Power Supply		V/Ph/Hz	380~415/3/50			
	Sound Pressure Level			dB(A)	66	66	67	
Condensate Water Pipe Dimension			mm (in)	25.4 (1")				
Outdoor Unit	Compressor Type			Scroll Compressor				
	Condenser Type			Crossed Finned Cu Tube with Al Fin				
	Dimension	Width		mm	986x2	986x2	967x2	
		Depth		mm	1,113x2	1,113x2	1,110x2	
		Height		mm	1,215	1,215	1,225	
	Weight			kg	199x2	202x2	198x2	
	Power Supply			V/Ph/Hz	380~415/3/50			
Total Input Power			kW	23.26	27.09	37.32		
Total Input Current			A	41.10	47.80	69.80		
Refrigerant		Refrigerant Charge		kg	6.5x2	6.8x2	10.0x2	
		Type			R22			
		Precharge Gas			Nitrogen Holding Charge			
		Pipe Connection Type			Brazed			
Connecting Pipe Dimension		Liquid Pipe		mm (in)	15.88x2 (5/8"x2)	15.88x2 (5/8"x2)	15.88x2 (5/8"x2)	
		Suction Pipe		mm (in)	28.58x2 (1 1/8"x2)	34.93x2 (1 3/8"x2)	34.93x2 (1 3/8"x2)	

General Data - Air-Cooled Split Ducted (R22)

Model		Indoor Unit		MDB	350		400	
		Outdoor Unit		MFC	100	125x2	100x4	
Rated Cooling Capacity				kW	102.6		117.2	
				Btu/h	350,000		400,000	
Indoor Unit	Type			Double Skin				
	Dimension	Width		mm	2,061		2,432	
		Depth		mm	1,547		1,547	
		Height		mm	1,450		1,450	
	Weight			kg	455		584	
	Fan	Air Volume		CMH	17,840		20,000	
				CFM	10,500		11,700	
		ESP		Pa	300		300	
		Power Supply		V/Ph/Hz	380~415/3/50			
	Sound Pressure Level			dB(A)	67		69	
Condensate Water Pipe Dimension			mm (in)	25.4 (1")				
Outdoor Unit	Compressor Type			Scroll Compressor				
	Condenser Type			Crossed Finned Cu Tube with Al Fin				
	Dimension	Width		mm	986	986x2	986x4	
		Depth		mm	1,113	1,113x2	1,110x4	
		Height		mm	1,215	1,215	1,215	
	Weight			kg	199	199x2	199x4	
	Power Supply			V/Ph/Hz	380~415/3/50			
Total Input Power			kW	38.55		47.77		
Total Input Current			A	68.00		84.20		
Refrigerant		Refrigerant Charge		kg	5.8	6.8x2	6.3x4	
		Type			R22			
		Precharge Gas			Nitrogen Holding Charge			
		Pipe Connection Type			Brazed			
Connecting Pipe Dimension		Liquid Pipe		mm (in)	15.88 (5/8")	15.88x2 (5/8"x2)	15.88x4 (5/8"x4)	
		Suction Pipe		mm (in)	28.58 (1 1/8")	34.93x2 (1 3/8"x2)	28.58x4 (1 1/8"x4)	

General Data - Air-Cooled Split Ducted (R22)

Model		Indoor Unit		MDB	450	500	600	
		Outdoor Unit		MFC	150x3	125x4	150x4	
Rated Cooling Capacity				kW	131.9	146.5	175.9	
				Btu/h	450,000	500,000	600,000	
Indoor Unit	Type			Double Skin				
	Dimension	Width		mm	2,787	2,782	2,782	
		Depth		mm	1,637	1,637	1,737	
		Height		mm	1,450	1,450	1,650	
	Weight			kg	640	640	755	
	Fan	Air Volume		CMH	22,000	24,000	31,000	
				CFM	12,950	14,125	18,246	
		ESP		Pa	350	400	400	
		Power Supply		V/Ph/Hz	380~415/3/50			
	Sound Pressure Level			dB(A)	69	70	71	
Condensate Water Pipe Dimension			mm (in)	25.4 (1’')				
Outdoor Unit	Compressor Type			Scroll Compressor				
	Condenser Type			Crossed Finned Cu Tube with Al Fin				
	Dimension	Width		mm	967x3	986x4	967x4	
		Depth		mm	1,110x3	1,113x4	1,110x4	
		Height		mm	1,225	1,215	1,225	
	Weight			kg	198x3	202x4	198x4	
	Power Supply			V/Ph/Hz	380~415/3/50			
Total Input Power			kW	54.92	57.08	74.47		
Total Input Current			A	102.88	100.10	139.04		
Refrigerant		Refrigerant Charge		kg	9.8x3	6.5x4	9.6x4	
		Type			R22			
		Precharge Gas			Nitrogen Holding Charge			
		Pipe Connection Type			Brazed			
Connecting Pipe Dimension		Liquid Pipe		mm (in)	15.88x3 (5/8"x3)	15.88x4 (5/8"x4)	15.88x4 (5/8"x4)	
		Suction Pipe		mm (in)	34.93x3 (1 3/8"x3)	34.93x4 (1 3/8"x4)	34.93x4 (1 3/8"x4)	

General Data - Air-Cooled Ducted Blower (R22)

General Data - Air-Cooled Split Ducted (R22)

Note:

1. Products are tested in accordance to AHRI340/360.
2. Cooling capacity is based on 26.7 °C DB / 19.4 °C WB for indoor air, 35.0 °C DB / 23.9 °C WB ambient temperature.
3. Air volume is based on high fan speed.
4. Equivalent length of pipe used in performance test is 10m.
5. External static pressure data shown is for standard unit.
6. Products are not pre-charged with refrigerant upon leaving factory.
7. The noise level is measured in test-room condition. The actual noise level at site will differ due to environment noise or other reasons.
8. The manufacturer reserves the rights to change the specifications without prior notice.
9. 60Hz data are available upon request.

General Data - Air-Cooled Ducted Blower (R407C)

Model		Indoor Unit		MDB	80	100	125	150	
		Outdoor Unit		MFC	80	100	125	150	
Rated Cooling Capacity				kW	22.7	28.4	35.5	42.7	
				Btu/h	77,600	97,000	120,150	145,500	
Indoor Unit	Type			Single Skin					
	Dimension	Width	mm	1,450	1,750	1,882	1,882		
		Depth	mm	900	900	1,140	1,140		
		Height	mm	440	440	707	707		
	Weight			kg	99	126	208	209	
	Fan	Air Volume	CMH	4,000	5,000	7,200	7,500		
			CFM	2,350	2,945	4,240	4,415		
		ESP	Pa	100	100	150	150		
		Power Supply	V/Ph/Hz	220~240/1/50		380~415/3/50			
	Sound Pressure Level			dB(A)	64	66	65	66	
	Condensate Water Pipe Dimension			mm (in)	25.4 (1")				
Outdoor Unit	Compressor Type			Scroll Compressor					
	Condenser Type			Crossed Finned Cu Tube with Al Fin					
	Dimension	Width	mm	1,308	986	986	967		
		Depth	mm	508	1,113	1,113	1,110		
		Height	mm	951	1,215	1,215	1,225		
	Weight			kg	158	199	202	198	
	Power Supply			V/Ph/Hz	380~415/3/50				
Total Input Power			kW	9.40	11.97	13.13	17.43		
Total Input Current			A	22.00	27.70	23.30	33.76		
Refrigerant		Refrigerant Charge		kg	4.5	5.8	6.8	10.5	
		Type			R407C				
		Precharge Gas			Nitrogen Holding Charge				
		Pipe Connection Type			Brazed				
Connecting Pipe Dimension		Liquid Pipe		mm (in)	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")	
		Suction Pipe		mm (in)	28.58 (1 1/8")	28.58 (1 1/8")	34.93 (1 3/8")	34.93 (1 3/8")	

General Data - Air-Cooled Ducted Blower (R407C)

Model		Indoor Unit		MDB	200	250	300	
		Outdoor Unit		MFC	100x2	125x2	150x2	
Rated Cooling Capacity				kW	56.8	71.1	85.3	
				Btu/h	194,000	242,500	291,000	
Indoor Unit	Type			Double Skin				
	Dimension	Width		mm	2,248	2,241	2,152	
		Depth		mm	1,297	1,347	1,547	
		Height		mm	780	1,155	1,175	
	Weight			kg	266	322	377	
	Fan	Air Volume		CMH	10,000	13,600	15,000	
				CFM	5,885	8,005	8,829	
		ESP		Pa	250	250	300	
		Power Supply		V/Ph/Hz	380~415/3/50			
	Sound Pressure Level			dB(A)	66	66	67	
Condensate Water Pipe Dimension			mm (in)	25.4 (1’')				
Outdoor Unit	Compressor Type			Scroll Compressor				
	Condenser Type			Crossed Finned Cu Tube with Al Fin				
	Dimension	Width		mm	986x2	986x2	967x2	
		Depth		mm	1,113x2	1,113x2	1,110x2	
		Height		mm	1,215	1,215	1,225	
	Weight			kg	199x2	202x2	198x2	
	Power Supply			V/Ph/Hz	380~415/3/50			
Total Input Power			kW	23.16	27.20	37.42		
Total Input Current			A	41.50	48.00	71.62		
Refrigerant		Refrigerant Charge		kg	6.5x2	6.8x2	10.0x2	
		Type			R407C			
		Precharge Gas			Nitrogen Holding Charge			
		Pipe Connection Type			Brazed			
Connecting Pipe Dimension		Liquid Pipe		mm (in)	15.88x2 (5/8"x2)	15.88x2 (5/8"x2)	15.88x2 (5/8"x2)	
		Suction Pipe		mm (in)	28.58x2 (1 1/8"x2)	34.93x2 (1 3/8"x2)	34.93x2 (1 3/8"x2)	

General Data - Air-Cooled Split Ducted (R407C)

Model		Indoor Unit		MDB	350		400	
		Outdoor Unit		MFC	100	125x2	100x4	
Rated Cooling Capacity				kW	99.5		113.7	
				Btu/h	339,500		388,000	
Indoor Unit	Type			Double Skin				
	Dimension	Width		mm	2,061		2,432	
		Depth		mm	1,547		1,547	
		Height		mm	1,450		1,450	
	Weight			kg	455		584	
	Fan	Air Volume		CMH	17,840		20,000	
				CFM	10,500		11,700	
		ESP		Pa	300		300	
		Power Supply		V/Ph/Hz	380~415/3/50			
	Sound Pressure Level			dB(A)	67		69	
Condensate Water Pipe Dimension			mm (in)	25.4 (1’')				
Outdoor Unit	Compressor Type			Scroll Compressor				
	Condenser Type			Crossed Finned Cu Tube with Al Fin				
	Dimension	Width		mm	986	986x2	986x4	
		Depth		mm	1,113	1,113x2	1,113x4	
		Height		mm	1,215	1,215	1,215	
	Weight			kg	199	199x2	199x4	
	Power Supply			V/Ph/Hz	380~415/3/50			
Total Input Power				kW	38.60		47.57	
Total Input Current				A	68.40		85.00	
Refrigerant		Refrigerant Charge		kg	5.8	6.8x2	6.3x4	
		Type			R407C			
		Precharge Gas			Nitrogen Holding Charge			
		Pipe Connection Type			Brazed			
Connecting Pipe Dimension		Liquid Pipe		mm (in)	15.88 (5/8'')	15.88x2 (5/8''x2)	15.88x4 (5/8''x4)	
		Suction Pipe		mm (in)	28.58 (1 1/8'')	34.93x2 (1 3/8''x2)	28.58x4 (1 1/8''x4)	

General Data - Air-Cooled Split Ducted (R407C)

Model		Indoor Unit	MDB	450	500	600
		Outdoor Unit	MFC	150x3	125x4	150x4
Rated Cooling Capacity			kW	127.9	142.1	170.6
			Btu/h	463,500	485,000	582,000
Indoor Unit	Type			Double Skin		
	Dimension	Width	mm	2,787	2,782	2,782
		Depth	mm	1,637	1,637	1,737
		Height	mm	1,450	1,450	1,650
	Weight		kg	640	640	755
	Fan	Air Volume	CMH	22,000	24,000	31,000
			CFM	12,950	14,125	18,246
		ESP	Pa	350	400	400
		Power Supply	V/Ph/Hz	380~415/3/50		
	Sound Pressure Level		dB(A)	69	70	71
Condensate Water Pipe Dimension		mm (in)	25.4 (1'')			
Outdoor Unit	Compressor Type			Scroll Compressor		
	Condenser Type			Crossed Finned Cu Tube with Al Fin		
	Dimension	Width	mm	967x3	986x4	967x4
		Depth	mm	1,110x3	1,113x4	1,110x4
		Height	mm	1,225	1,215	1,225
	Weight		kg	198x3	202x4	198x4
	Power Supply		V/Ph/Hz	380~415/3/50		
Total Input Power		kW	55.07	57.28	74.67	
Total Input Current		A	105.58	100.50	144.24	
Refrigerant		Refrigerant Charge	kg	9.8x3	6.5x4	9.6x4
		Type		R407C		
		Precharge Gas		Nitrogen Holding Charge		
		Pipe Connection Type		Brazed		
Connecting Pipe Dimension		Liquid Pipe	mm (in)	15.88x3 (5/8"x3)	15.88x4 (5/8"x4)	15.88x4 (5/8"x4)
		Suction Pipe	mm (in)	34.93x3 (1 3/8"x3)	34.93x4 (1 3/8"x4)	34.93x4 (1 3/8"x4)

General Data - Air-Cooled Ducted Blower (R407C)

General Data - Air-Cooled Split Ducted (R407C)

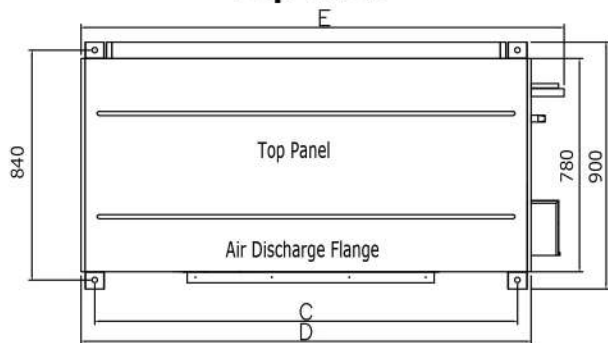
Note:

1. Products are tested in accordance to AHRI340/360.
2. Cooling capacity is based on 26.7 °C DB / 19.4 °C WB for indoor air, 35.0 °C DB / 23.9 °C WB ambient temperature.
3. Air volume is based on high fan speed.
4. Equivalent length of pipe used in performance test is 10m.
5. External static pressure data shown is for standard unit.
6. Products are not pre-charged with refrigerant upon leaving factory.
7. The noise level is measured in test-room condition. The actual noise level at site will differ due to environment noise or other reasons.
8. The manufacturer reserves the rights to change the specifications without prior notice.
9. 60Hz data are available upon request.

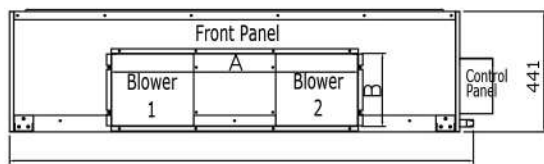
General Data - Unit Dimension

MODEL: MDB080 / 100

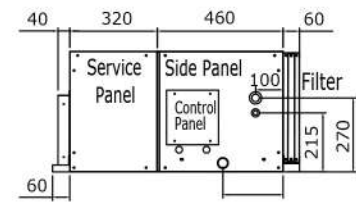
Top View



Model	Dimension (mm)				
	A	B	C	D	E
FASN080	783	261	1240	1310	1431
FASN100	903	267	1540	1640	1731



Front View

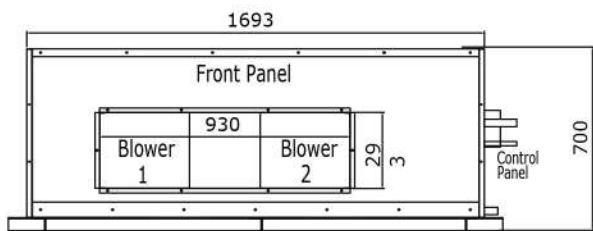
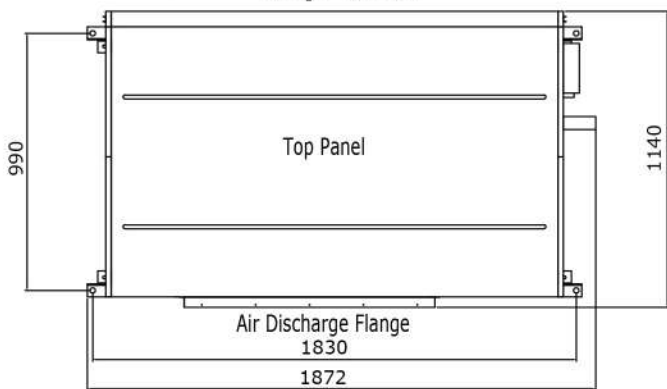


Side View

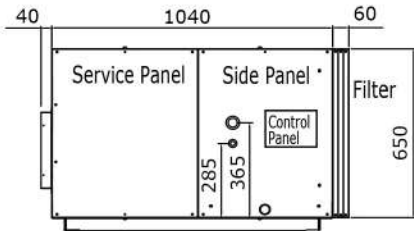
[unit:mm]

MODEL: MDB125 / 150

Top View



Front View

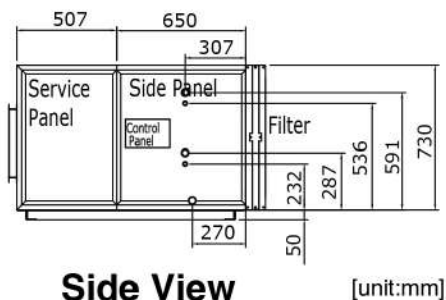
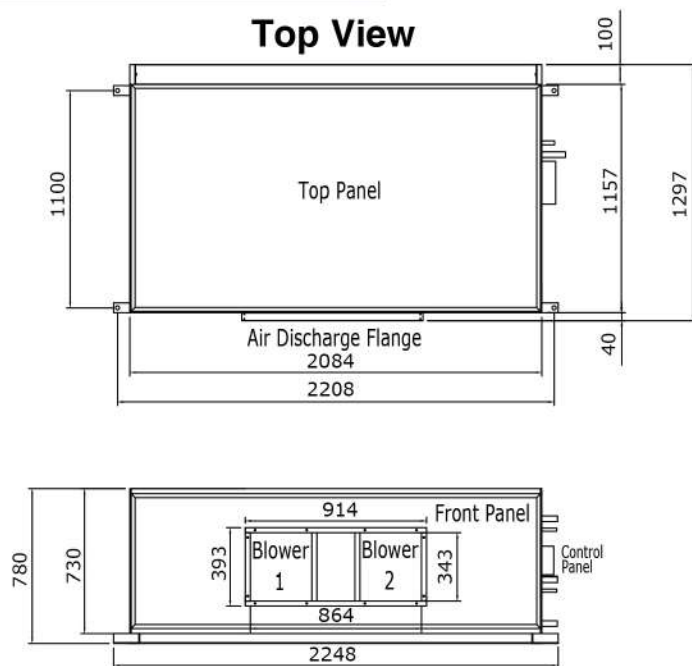


Back View

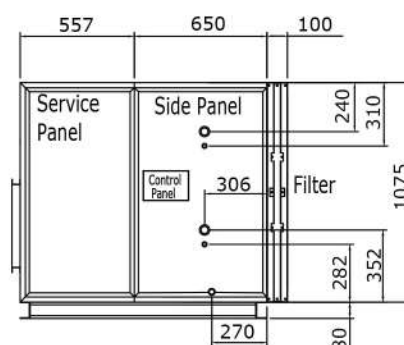
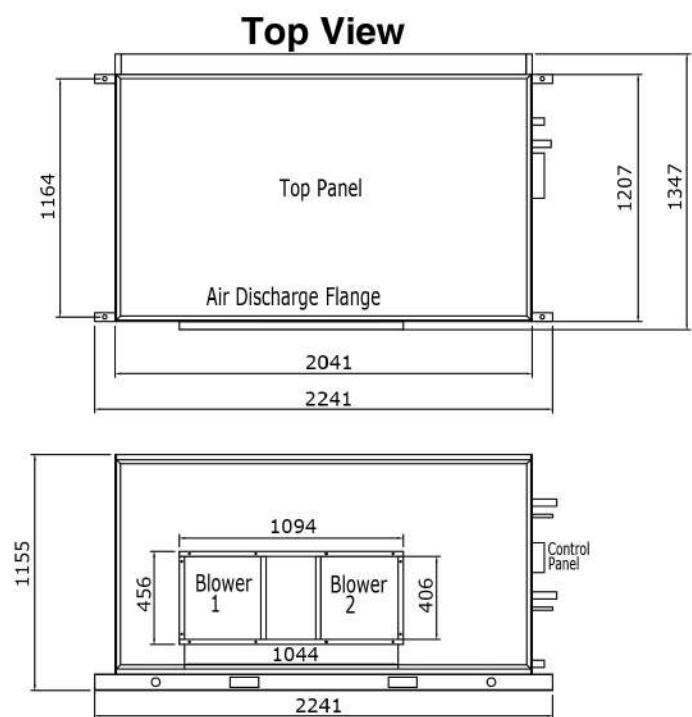
[unit:mm]

General Data - Unit Dimension

MODEL: MDB200

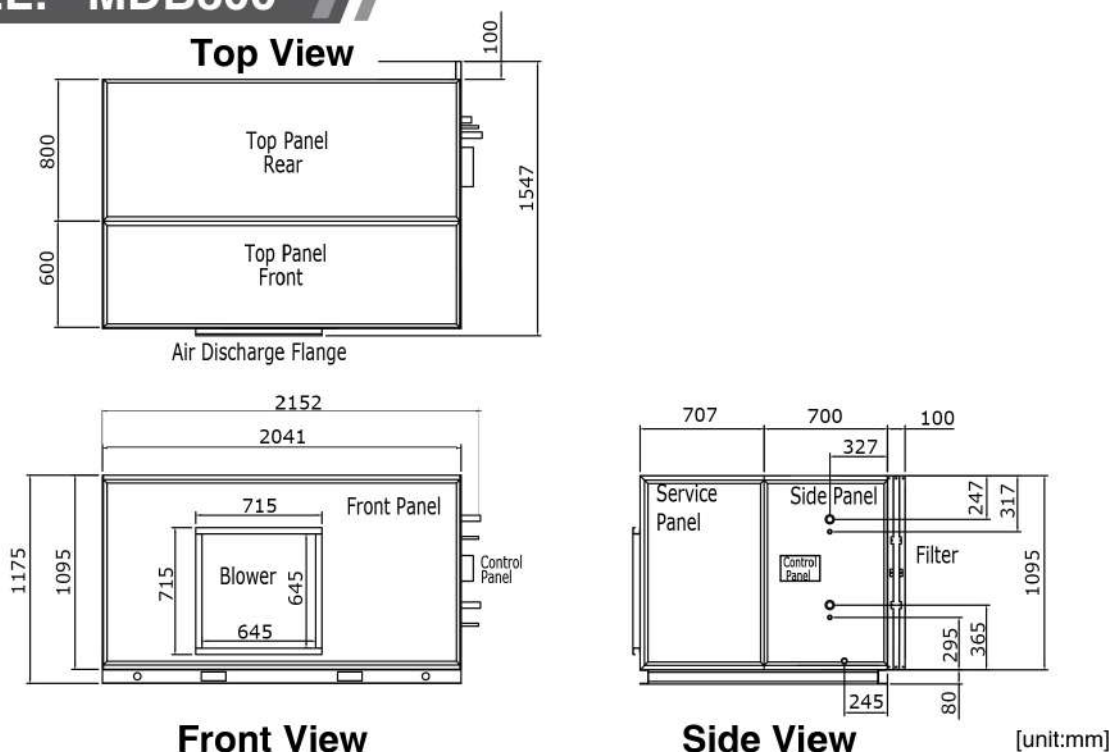


MODEL: MDB250

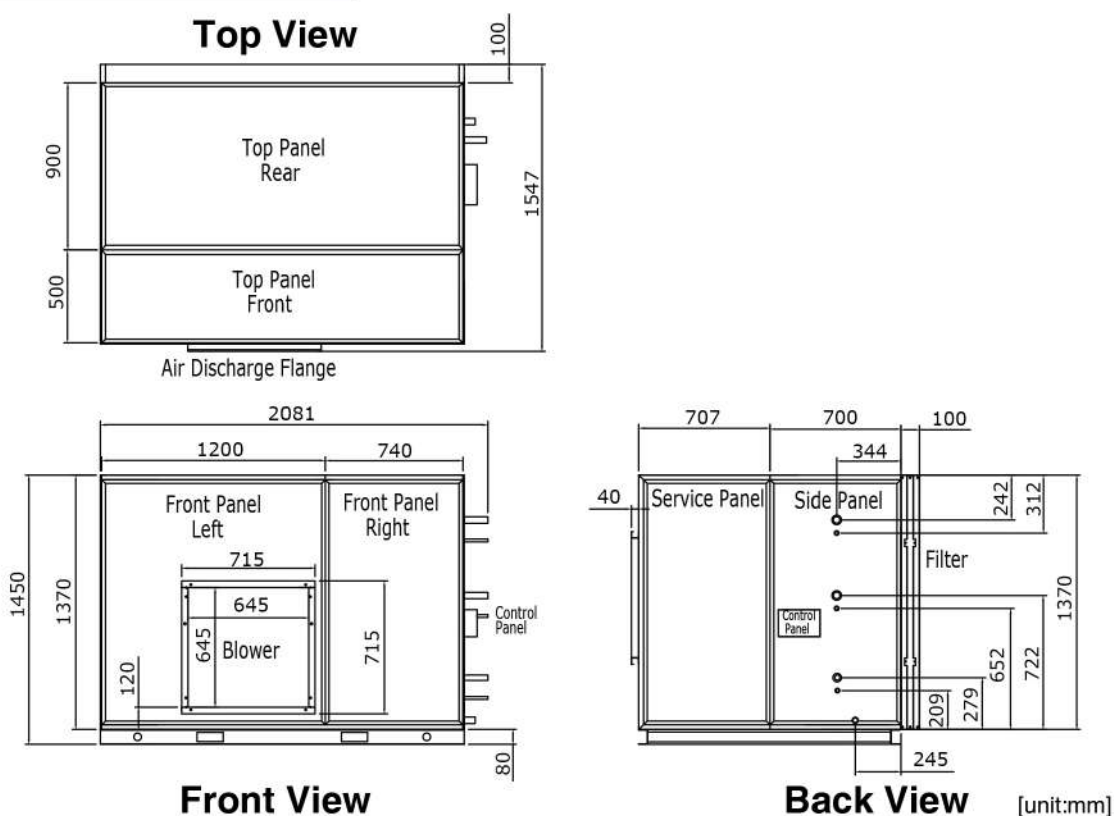


General Data - Unit Dimension

MODEL: MDB300



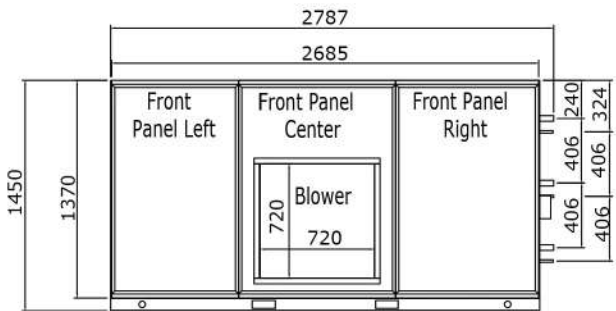
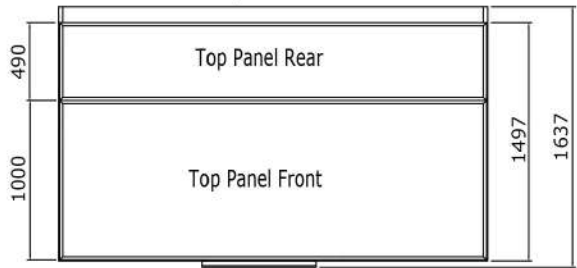
MODEL: MDB350



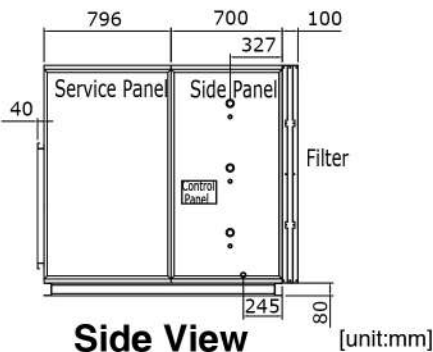
General Data - Unit Dimension

MODEL: MDB450

Top View



Front View

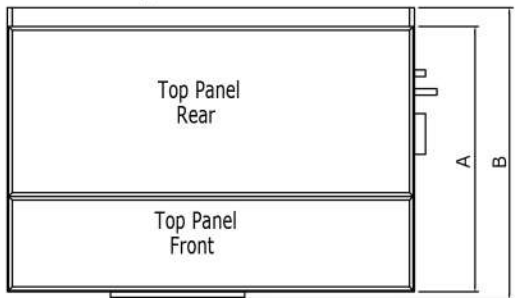


Side View

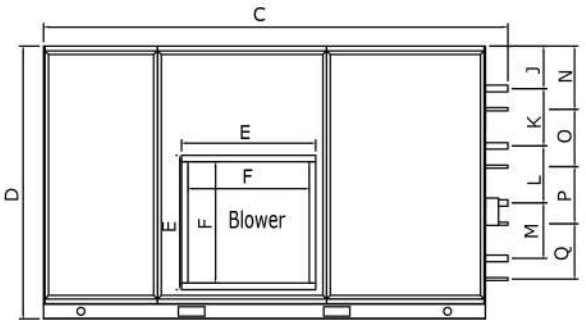
[unit:mm]

MODEL: MDB400 / 500 / 600

Top View



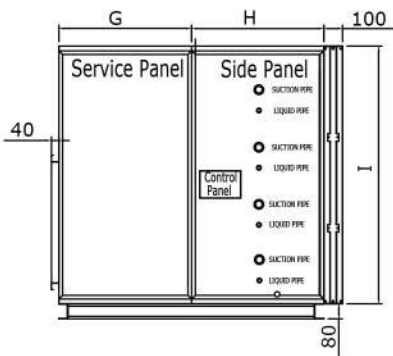
Air Discharge Flange



Front View

Model	Dimension (mm)							
	A	B	C	D	E	F	G	H
FASN400	1407	1547	2432	1450	715	645	707	700
FASN500	1497	1637	2782	1450	790	720	797	700
FASN600	1597	1737	2782	1650	880	810	797	800

Model	Dimension (mm)								
	I	J	K	L	M	N	O	P	Q
FASN400	1370	188	305	305	293	298	305	305	293
FASN500	1370	188	305	305	293	298	305	305	293
FASN600	1570	224	330	355	381	334	330	356	381



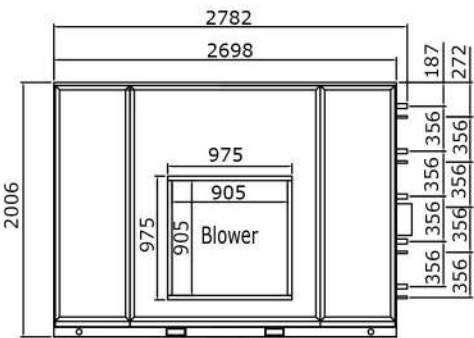
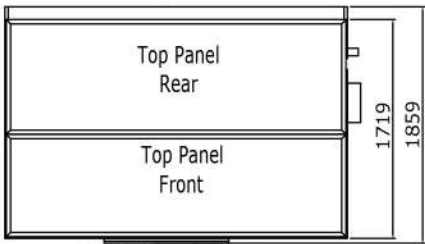
Back View

[unit:mm]

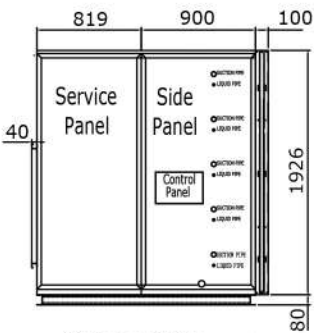
General Data - Unit Dimension

MODEL: MDB750

Top View



Front View



Side View

[unit:mm]



MICRONAIRE GLOBAL SDN BHD

No 11, JALAN PERMATA 2B / KS9,
TAMAN PERINDUSTRIAN AIR HITAM, 41200 KLANG,
SELANGOR DARUL EHSAN, MALAYSIA.

Office No: 03-3122 8863 Office Fax: 03-5192 6626
Website: www.macglobal.com.my Enquiry: sales@macglobal.com.my

MC6-2022-01A