

# SPECIFICATIONS ADB-B Series

MODEL	INDOOR UNIT		ADB40B	ADB50B	ADB60B	ADB75B	ADB100B	ADB125B	ADB150B1
	OUTDOOR UNIT		ALC40C	ALC50C	ALC60C	AMC75C	AMC100B	AMC125B	AMC150C
TOTAL COOLING CAPACITY	OUTDOOR 35°C DB	Btu/h	40,000	50,000	60,000	80,000	100,000	125,000	150,000
		kcal/h	10,080	12,600	15,120	20,160	25,200	31,500	37,800
		W	11,720	14,650	17,580	23,440	29,300	36,625	43,950

## INDOOR UNIT

CASING			ELECTRO GALVANIZED MILD STEEL							
			FIBREGLASS			EPOXY POLYESTER POWDER COATING				
			PE							
DIMENSION	HEIGHT(H)	mm(in)	572 (22.51)	572 (22.51)	572 (22.51)	572 (22.51)	572 (22.51)	885 (34.84)	885 (34.84)	
	WIDTH(W)	mm(in)	892 (35.11)	892 (35.11)	1,502 (59.13)	1,502 (59.13)	1,502 (59.13)	1,640 (64.56)	1,640 (64.56)	
	DEPTH(D)	mm(in)	761 (29.96)	761 (29.96)	761 (29.96)	761 (29.96)	761 (29.96)	1,040 (40.94)	1,040 (40.94)	
NET WEIGHT		kg(lb)	50 (110)	55 (121)	85 (187)	96 (211)	100 (220)	140 (308)	145 (319)	
NOISE LEVEL		dBA	62	63	65	66	71	77	79	
EVAPORATOR COIL TYPE			CROSS FINNED TUBES							
TUBE	MATERIAL		SEAMLESS COPPER							
	WALL THICKNESS	mm(in)	0.35 (0.013)							
	OUTER DIAMETER	mm(in)	9.52 (3/8)							
FIN	MATERIAL		ALUMINIUM							
	THICKNESS	mm(in)	0.127 (0.005)							
	ROWS		3	4	3	4	3	4		
	FIN PER INCH		12	12	12	12	14	12		
CAPACITY STEP	%		100-0	100-0	100-0	100-0	100-0	100-0	100-0	
FACE AREA	m <sup>2</sup> (ft <sup>2</sup> )		0.26 (2.81)	0.26 (2.81)	0.49 (5.31)	0.54 (5.82)	0.54 (5.82)	1.00 (10.82)	1.00 (10.82)	
FACE VELOCITY	m/min(FPM)		135.63 (445)	173.43 (569)	114.60 (376)	130.75 (429)	167.64 (550)	118.26 (388)	129.54 (425)	
EVAPORATOR BLOWER TYPE / DRIVE			CENTRIFUGAL/DIRECT				CENTRIFUGAL/BELT DRIVEN			
BLOWER MATERIAL			COLD ROLLED STEEL				ZINC COATED STEEL			
QUANTITY			1	1	2	2	2	1	1	
BLOWER DIAMETER	mm(in)		282.70 (11.13)	282.70 (11.13)	282.70 (11.13)	282.70 (11.13)	282.70 (11.13)	394.97 (15.55)	394.97 (15.55)	
BLOWER LENGTH	mm(in)		203.20 (8.00)	203.20 (8.00)	203.20 (8.00)	203.20 (8.00)	203.20 (8.00)	381.00 (15.00)	381.00 (15.00)	
AIR FLOW	CMM(CFM)		35.41 (1,250)	45.32 (1,600)	56.65 (2,000)	70.82 (2,500)	90.65 (3,200)	118.98 (4,200)	130.31 (4,600)	
EXTERNAL STATIC PRESSURE	mm wg(in wg)		10.16 (0.40)	10.16 (0.40)	10.16 (0.40)	10.16 (0.40)	10.16 (0.40)	15.24 (0.60)	15.24 (0.60)	
BLOWER PULLEY DIAMETER	mm(in)		-	-	-	-	-	160 (6.3)	160 (6.3)	
MOTOR PULLEY DIAMETER	mm(in)		-	-	-	-	-	80 (3.15)	80 (3.15)	
PULLEY	TYPE		-	-	-	-	-	ISPZ	ISPZ	
V-BELT	TYPE		-	-	-	-	-	SPZ1,060	SPZ1,060	
EVAPORATOR BLOWER MOTOR TYPE			PERMANENT SPLIT CAPACITOR				SQUIRREL CAGE INDUCTION			
POWER SUPPLY	V/Ph/Hz		220-240/1/50						400/3/50	
NUMBER x RATED RUNNING CURRENT	A		1 x 1.70	1 x 1.63	2 x 1.70	2 x 1.70	2 x 1.63	1 x 3.39	1 x 3.39	
NUMBER x RATED OUTPUT	W		1 x 248	1 x 373	2 x 248	2 x 248	2 x 373	1 x 1,500	1 x 1,500	
NUMBER x RATED INPUT	W		1 x 350	1 x 436	2 x 350	2 x 350	2 x 436	1 x 1,100	1 x 1,630	
MOTOR POLES			6	6	6	6	6	4	4	
REFRIGERANT TYPE			R22							
TYPE OF GAS PRECHARGED CONTROL			CAPILLARY TUBE			THERMOSTAT EXPANSION VALVE				
PIPE CONNECTION			FLARE VALVE			BRAZING				
PIPE SIZE	LIQUID	mm(in)	9.52 (3/8)	9.52 (3/8)	12.70 (1/2)	12.70 (1/2)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	
	GAS	mm(in)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)	25.40 (1.00)	28.58 (1-1/8)	34.92 (1-3/8)	34.92 (1-3/8)	
DRAIN PIPE CONNECTION		mm(in)	25.40 (1.00)							
AIR FILTER TYPE			WASHABLE SARAN NET				WASHABLE VILEDON (AAF R29)			
SIZE	LENGTH x HEIGHT	mm	622 x 433	622 x 433	622 x 433	622 x 433	622 x 433	457 x 738	457 x 738	
	DEPTH	mm(in)	12.70 (1/2)	12.70 (1/2)	12.70 (1/2)	12.70 (1/2)	12.70 (1/2)	50.8 (2.00)	50.8 (2.00)	
QUANTITY			1	1	2	2	2	3	3	

## OUTDOOR UNIT

MODEL			ALC40C	ALC50C	ALC60C	AMC75C	AMC100B	AMC125B	AMC150C		
CASING			ELECTRO GALVANIZED MILD STEEL								
			EPOXY POLYESTER POWDER								
DIMENSION	HEIGHT(H)	mm(in)		850 (33.46)		946 (37.24)	946 (37.24)	946 (37.24)	1,041 (40.98)		
	WIDTH(W)	mm(in)		1,029 (40.53)		1,300 (51.18)	1,116 (43.93)	1,116 (43.93)	1,116 (43.93)		
	DEPTH(D)	mm(in)		400 (15.75)		500 (19.68)	939 (36.96)	939 (36.96)	939 (36.96)		
NET WEIGHT		kg(lb)	100 (220)	105 (231)	107 (236)	163 (359)	193 (425)	224 (493)	258 (568)		
NOISE LEVEL		dBA	59	58	71	70	72	75	77		
CONDENSER COIL TYPE			CROSS FINNED TUBES								
TUBE	MATERIAL		SEAMLESS COPPER								
	WALL THICKNESS	mm(in)	0.35 (0.013)								
	OUTER DIAMETER	mm(in)	9.52 (3/8)								
FIN	MATERIAL		ALUMINIUM								
	THICKNESS	mm(in)	0.127 (0.005)								
	NUMBER x ROWS		1 x 2		1 x 2		2 x 2		2 x 2		
	FIN PER INCH		16		14		12		16		
FACE AREA	m <sup>2</sup> (ft <sup>2</sup> )		0.87 (9.33)			1.23 (13.25)		1.76 (19.00)		1.24 (13.38)	
FACE VELOCITY	m/min(FPM)		114.3 (375)			146.91 (482)		138.07 (453)		112.16 (368)	
CONDENSER FAN TYPE / DRIVE			PERMANENT SPLIT CAPACITOR				PROPELLER/DIRECT		INDUCTION		
BLADE MATERIAL			ACRYL STYRENE RESIN				ALUMINIUM				
QUANTITY			1		1		1		1		
BLADE DIAMETER	mm(in)		609.6 (24.0)		660.40 (26)		660.40 (26)		762.00 (30)		
POWER SUPPLY	V/Ph/Hz		220-240/1/50				400/3/50				
RATED RUNNING CURRENT	A		1.09		1.80		3.00		3.40		
RATED INPUT	W		241		420		680		700		
MOTOR POLES			8		6		6		6		
AIR FLOW	CMM(CFM)		99.14 (3,500)		127.47 (4,500)		169.97 (6,000)		198.30 (7,000)		
COMPRESSOR TYPE			RECIPROCATING HERMETIC			SCROLL					
POWER SUPPLY	V/Ph/Hz		380-415/3/50				380-415/3/50				
RATED RUNNING CURRENT	A		6.3	8.2	8.2	13.6	16.9	17.9	23.5		
RATED INPUT	W		3,486	4,943	4,556	6,810	9,040	10,200	13,300		
MAXIMUM STARTING CURRENT	A		45.0	62.0	74.0	95.0	125.0	110.0	198.0		
PROTECTION DEVICE			OVERLOAD PROTECTION AND MANUAL RESET HIGH/LOW PRESSURE SWITCH			OVERLOAD PROTECTION AND AUTO RESET HIGH/LOW PRESSURE SWITCH					
STAGE OF CAPACITY CONTROL			ON/OFF								
STARTER TYPE			AUTO-TRANSFORMER								
REFRIGERANT TYPE			R22								
TYPE OF GAS PRECHARGED			R22			NITROGEN HOLDING					

- ALL UNITS ARE BEING TESTED AND COMPLY TO ARI210/240-89.
- NOMINAL COOLING CAPACITIES ARE BASED ON THE FOLLOWING CONDITIONS. INDOOR 26.7°C DB, 19.4°C WB, OUTDOOR 35°C DB.
- ALL SPECIFICATIONS ARE SUBJECT TO CHANGE BY MANUFACTURER WITHOUT PRIOR NOTICE.
- AIR FILTER IS AN OPTIONAL ITEM.

# SPECIFICATIONS ADB-B Series

MODEL	INDOOR UNIT		ADB150B2	ADB200B2	ADB250B2	ADB300B3	ADB350B3	
TOTAL COOLING CAPACITY	OUTDOOR UNIT		AMC75C x 2	AMC100B x 2	AMC125B x 2	AMC100B x 3	AMC100B x 1	AMC125B x 2
	OUTDOOR	Btu/h	150,000	200,000	250,000	300,000		350,000
	35°C DB	kcal/h	37,800	50,400	63,000	75,600		88,200
		W	43,950	58,600	73,250	87,900		102,550

## INDOOR UNIT

CASING			ELECTRO GALVANIZED MILD STEEL				
			EPOXY POLYESTER POWDER COATING				
			PE				
			FIBREGLASS/PE				
DIMENSION	HEIGHT(H)	mm(in)	885 (34.84)	945 (37.20)	1,291 (50.82)	1,291 (50.82)	1,546 (60.86)
	WIDTH(W)	mm(in)	1,640 (64.56)	1,894 (74.56)	1,866 (73.46)	1,866 (73.46)	2,122 (83.54)
	DEPTH(D)	mm(in)	1,040 (40.94)	980 (38.58)	1,199 (47.20)	1,199 (47.20)	1,199 (47.20)
NET WEIGHT		kg(lb)	145 (319)	180 (396)	250 (551)	270 (595)	320 (705)
NOISE LEVEL		dBA	79	85	87	89	92
EVAPORATOR COIL							
TYPE			CROSS FINNED TUBES				
TUBE			SEAMLESS COPPER				
	WALL THICKNESS	mm(in)	0.35 (0.013)				
	OUTER DIAMETER	mm(in)	9.52 (3/8)				
FIN			ALUMINIUM				
	THICKNESS	mm(in)	0.127 (0.005)				
	ROWS		4	4	4	5	4
	FIN PER INCH		12	12	14	12	12
CAPACITY STEP		%	100-50-0	100-50-0	100-50-0	100-67-33-0	100-67-33-0
FACE AREA		m <sup>2</sup> (ft <sup>2</sup> )	1.00 (10.82)	1.20 (12.92)	1.48 (16.01)	1.62 (17.50)	2.38 (25.62)
FACE VELOCITY		m/min(FPM)	129.54 (425)	150.87 (495)	152.40 (500)	156.66 (514)	124.96 (410)
EVAPORATOR BLOWER							
TYPE / DRIVE			CENTRIFUGAL/BELT DRIVEN				
BLOWER MATERIAL			ZINC COATED STEEL				
QUANTITY			1	1	1	1	1
BLOWER DIAMETER	mm(in)		394.97 (15.55)	394.97 (15.55)	469.90 (18.50)	469.90 (18.50)	469.90 (18.50)
BLOWER LENGTH	mm(in)		381.00 (15.00)	381.00 (15.00)	459.99 (18.11)	459.99 (18.11)	459.99 (18.11)
AIR FLOW	CMM(CFM)		130.31 (4,600)	181.30 (6,400)	226.62 (8,000)	254.95 (9,000)	297.45 (10,500)
EXTERNAL STATIC PRESSURE	mm wg(in wg)		15.24 (0.60)	15.24 (0.60)	20.32 (0.80)	20.32 (0.80)	20.32 (0.80)
BLOWER PULLEY DIAMETER	mm(in)		160 (6.3)	140 (5.51)	180 (7.09)	180 (7.09)	250 (9.84)
MOTOR PULLEY DIAMETER	mm(in)		80 (3.15)	80 (3.15)	90 (3.54)	95 (3.74)	125 (4.92)
PULLEY	TYPE		1SPZ	2SPZ	2SPZ	2SPZ	2SPZ
V-BELT	TYPE		SPZ1,060	SPZ1,100	SPZ1,700	SPZ1,700	SPZ2,360
EVAPORATOR BLOWER MOTOR							
TYPE			SQUIRREL CAGE INDUCTION				
POWER SUPPLY		V/Ph/Hz	400/3/50				
NUMBER x RATED RUNNING CURRENT	A		1 x 3.39	1 x 6.15	1 x 8.00	1 x 8.00	1 x 10.90
NUMBER x RATED OUTPUT	W		1 x 1,500	1 x 3,000	1 x 4,000	1 x 4,000	1 x 5,500
NUMBER x RATED INPUT	W		1 x 1,630	1 x 2,730	1 x 3,370	1 x 4,000	1 x 4,510
MOTOR POLES			4	4	4	4	4
REFRIGERANT							
TYPE			R22				
TYPE OF GAS PRECHARGED			NITROGEN HOLDING				
CONTROL			THERMOSTAT EXPANSION VALVE				
PIPE CONNECTION			BRAZING				
PIPE SIZE	LIQUID	mm(in)	12.70 (1/2)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8) AND 15.88 (5/8)
	GAS	mm(in)	25.40 (1.00)	28.58 (1-1/8)	34.92 (1-3/8)	28.58 (1-1/8)	28.58 (1-1/8) AND 34.92(1-3/8)
DRAIN PIPE CONNECTION		mm(in)	25.40 (1.00)				
AIR FILTER							
TYPE			WASHABLE VILEDON (AAF R29)				
SIZE	LENGTH x HEIGHT	mm	457 x 738	542 x 738	533 x 532	533 x 532	617 x 661
	DEPTH	mm(in)	50.8 (2.00)	50.8 (2.00)	50.8 (2.00)	50.8 (2.00)	50.8 (2.00)
QUANTITY			3	3	6	6	6

## OUTDOOR UNIT

MODEL			AMC75C x 2	AMC100B x 2	AMC125B x 2	AMC100B x 3	AMC100B x 1	AMC125B x 2
CASING			ELECTRO GALVANIZED MILD STEEL					
			EPOXY POLYESTER POWDER					
DIMENSION	HEIGHT(H)	mm(in)	946 (37.24)	946 (37.24)	946 (37.24)	946 (37.24)	946 (37.24)	946 (37.24)
	WIDTH(W)	mm(in)	1,300 (51.18)	1,116 (43.93)	1,116 (43.93)	1,116 (43.93)	1,116 (43.93)	1,116 (43.93)
	DEPTH(D)	mm(in)	500 (19.68)	939 (36.96)	939 (36.96)	939 (36.96)	939 (36.96)	939 (36.96)
NET WEIGHT		kg(lb)	163 (359)	193 (425)	224 (493)	193 (425)	193 (425)	224 (493)
NOISE LEVEL		dBA	70	72	75	72	72	75
CONDENSER COIL								
TYPE			CROSS FINNED TUBES					
TUBE			SEAMLESS COPPER					
	WALL THICKNESS	mm(in)	0.35 (0.013)					
	OUTER DIAMETER	mm(in)	9.52 (3/8)					
FIN			ALUMINIUM					
	THICKNESS	mm(in)	0.127 (0.005)					
	NUMBER x ROWS		1 x 2	2 x 2	2 x 2	2 x 2	2 x 2	2 x 2
	FIN PER INCH		14	12	16	12	12	16
FACE AREA		m <sup>2</sup> (ft <sup>2</sup> )	1.23 (13.25)	1.76 (19.00)	1.76 (19.00)	1.76 (19.00)	1.76 (19.00)	1.76 (19.00)
FACE VELOCITY		m/min(FPM)	138.07 (453)	112.16 (368)	112.16 (368)	112.16 (368)	112.16 (368)	112.16 (368)
CONDENSER FAN								
TYPE			PERMANENT SPLIT CAPACITOR					
DRIVE			PROPELLER/DIRECT					
BLADE MATERIAL			ALUMINIUM					
QUANTITY			1	1	1	1	1	1
BLADE DIAMETER	mm(in)		660.40 (26)	660.40 (26)	660.40 (26)	660.40 (26)	660.40 (26)	660.40 (26)
POWER SUPPLY	V/Ph/Hz		220-240/1/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50
RATED RUNNING CURRENT	A		3.00	3.40	3.40	3.40	3.40	3.40
RATED INPUT	W		680	700	700	700	700	700
MOTOR POLES			6	6	6	6	6	6
AIR FLOW	CMM(CFM)		169.97 (6,000)	198.30 (7,000)	198.30 (7,000)	198.30 (7,000)	198.30 (7,000)	198.30 (7,000)
COMPRESSOR								
TYPE			SCROLL					
POWER SUPPLY		V/Ph/Hz	380-415/3/50					
RATED RUNNING CURRENT	A		13.6	16.9	17.9	16.9	16.9	17.9
RATED INPUT	W		6,810	9,040	10,200	9,040	9,040	10,200
MAXIMUM STARTING CURRENT	A		95.0	125.0	110.0	125.0	125.0	110.0
PROTECTION DEVICE			OVERLOAD PROTECTION AND AUTO RESET HIGH/LOW PRESSURE SWITCH					
STAGE OF CAPACITY CONTROL			ON/OFF					
STARTER TYPE			AUTO-TRANSFORMER					
REFRIGERANT								
TYPE			R22					
TYPE OF GAS PRECHARGED			NITROGEN HOLDING					

- ALL UNITS ARE BEING TESTED AND COMPLY TO AR12010/240-89.
- NOMINAL COOLING CAPACITIES ARE BASED ON THE FOLLOWING CONDITIONS, INDOOR 26.7°C DB, 19.4°C WB, OUTDOOR 35°C DB.
- ALL SPECIFICATIONS ARE SUBJECT TO CHANGE BY MANUFACTURER WITHOUT PRIOR NOTICE.
- AIR FILTER IS AN OPTIONAL ITEM.

# SPECIFICATIONS ADB-B Series

MODEL	INDOOR UNIT		ADB400B4	ADB450B3	ADB500B4	ADB600B4	ADB750B5
	OUTDOOR UNIT		AMC100B x 4	AMC150C x 3	AMC125B x 4	AMC150C x 4	AMC150C x 5
TOTAL COOLING CAPACITY	OUTDOOR 35°C DB	Btu/h	400,000	450,000	500,000	600,000	750,000
		kcal/h	100,800	113,400	126,000	151,200	189,000
		W	117,200	131,850	146,500	175,800	219,750

## INDOOR UNIT

CASING	MATERIAL		ELECTRO GALVANIZED MILD STEEL				
	FINISHING		EPOXY POLYESTER POWDER COATING				
	INSULATION		FIBREGLASS/PE				
DIMENSION	HEIGHT(H)	mm(in)	1,546 (60.86)	1,546 (60.86)	1,546 (60.86)	1,977 (77.83)	2,257 (88.85)
	WIDTH(W)	mm(in)	2,274 (89.52)	2,274 (89.52)	2,274 (89.52)	2,274 (89.52)	2,274 (89.52)
	DEPTH(D)	mm(in)	1,466 (57.71)	1,466 (57.71)	1,466 (57.71)	1,905 (75.00)	1,905 (75.00)
NET WEIGHT		kg(lb)	330 (727)	339 (747)	350 (771)	999 (2,202)	1,084 (2,389)
NOISE LEVEL		dBA	90	93	96	89	93
<b>EVAPORATOR COIL</b>							
TYPE							
CROSS FINNED TUBES							
SEAMLESS COPPER							
TUBE	WALL THICKNESS	mm(in)	0.35 (0.013)				
	OUTER DIAMETER	mm(in)	9.52 (3/8)				
FIN	MATERIAL		ALUMINIUM				
	THICKNESS	mm(in)	0.127 (0.005)				
	ROWS		4	4	5	6	6
	FIN PER INCH		14	14	12	12	12
CAPACITY STEP		%	100-75-50-25-0	100-67-33-0	100-75-50-25-0	100-75-50-25-0	100-80-60-40-20-0
FACE AREA		m <sup>2</sup> (ft <sup>2</sup> )	2.38 (25.62)	2.58 (27.78)	2.55 (27.45)	3.37 (36.32)	3.97 (42.73)
FACE VELOCITY		m/min(FPM)	142.94 (468)	147.82 (485)	166.42 (546)	150.87 (495)	160.32 (526)
<b>EVAPORATOR BLOWER</b>							
TYPE / DRIVE							
CENTRIFUGAL/BELT DRIVEN							
ZINC COATED STEEL							
BLOWER MATERIAL							
QUANTITY							
BLOWER DIAMETER		mm(in)	591.82 (23.30)	591.82 (23.30)	591.82 (23.30)	785.00 (30.90)	785.00 (30.90)
BLOWER LENGTH		mm(in)	563.88 (22.20)	563.88 (22.20)	563.88 (22.20)	706.00 (27.79)	706.00 (27.79)
AIR FLOW		CMM(CFM)	339.94 (12,000)	382.43 (13,500)	424.92 (15,000)	509.91 (18,000)	637.39 (22,500)
EXTERNAL STATIC PRESSURE		mm wg(in wg)	20.32 (0.80)	25.40 (1.00)	25.40 (1.00)	30.48 (1.20)	35.56 (1.40)
BLOWER PULLEY DIAMETER		mm(in)	250 (9.84)	250 (9.84)	315 (12.4)	400 (15.75)	400 (15.75)
MOTOR PULLEY DIAMETER		mm(in)	106 (4.17)	112 (4.41)	150 (5.9)	132 (5.2)	140 (5.51)
PULLEY		TYPE	2SPA	2SPA	2SPA	3SPA	3SPA
V-BELT		TYPE	SPA2,160	SPA2,160	SPA2,270	SPA1,850	SPA1,850
<b>EVAPORATOR BLOWER MOTOR</b>							
TYPE							
SQUIRREL CAGE INDUCTION							
POWER SUPPLY		V/Ph/Hz	400/3/50				
NUMBER x RATED RUNNING CURRENT		A	1 x 10.90	1 x 14.40	1 x 20.70	1 x 20.70	1 x 28.10
NUMBER x RATED OUTPUT		W	1 x 5,500	1 x 7,500	1 x 11,000	1 x 11,000	1 x 15,000
NUMBER x RATED INPUT		W	1 x 4,835	1 x 6,302	1 x 8,035	1 x 9,200	1 x 11,683
MOTOR POLES			4	4	4	4	4
<b>REFRIGERANT</b>							
TYPE							
R22							
TYPE OF GAS PRECHARGED							
NITROGEN HOLDING							
CONTROL							
THERMOSTAT EXPANSION VALVE							
BRAZING							
PIPE CONNECTION							
PIPE SIZE	LIQUID	mm(in)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
	GAS	mm(in)	28.58 (1-1/8)	34.92 (1-3/8)	34.92 (1-3/8)	34.92 (1-3/8)	34.92 (1-3/8)
DRAIN PIPE CONNECTION							
mm(in)							
<b>AIR FILTER</b>							
TYPE							
WASHABLE VILEDON (AAF R29)							
SIZE	LENGTH x HEIGHT	mm	668 x 661	668 x 661	668 x 661	668 x 579	668 x 672
	DEPTH	mm(in)	50.8 (2.00)	50.8 (2.00)	50.8 (2.00)	50.8 (2.00)	50.8 (2.00)
QUANTITY			6	6	6	9	9

## OUTDOOR UNIT

MODEL			AMC100B x 4	AMC150C x 3	AMC125B x 4	AMC150C x 4	AMC150C x 5
CASING	MATERIAL		ELECTRO GALVANIZED MILD STEEL				
	FINISHING		EPOXY POLYESTER POWDER				
DIMENSION	HEIGHT(H)	mm(in)	946 (37.24)	1,041 (40.98)	946 (37.24)	1,041 (40.98)	1,041 (40.98)
	WIDTH(W)	mm(in)	1,116 (43.93)	1,116 (43.93)	1,116 (43.93)	1,116 (43.93)	1,116 (43.93)
	DEPTH(D)	mm(in)	939 (36.96)	939 (36.96)	939 (36.96)	939 (36.96)	939 (36.96)
NET WEIGHT		kg(lb)	193 (425)	258 (568)	224 (493)	258 (568)	258 (568)
NOISE LEVEL		dBA	72	77	75	77	77
<b>CONDENSER COIL</b>							
TYPE							
CROSS FINNED TUBES							
SEAMLESS COPPER							
TUBE	WALL THICKNESS	mm(in)	0.35 (0.013)				
	OUTER DIAMETER	mm(in)	9.52 (3/8)				
FIN	MATERIAL		ALUMINIUM				
	THICKNESS	mm(in)	0.127 (0.005)				
	NUMBER x ROWS		2 x 2	2 x 2	2 x 2	2 x 2	2 x 2
	FIN PER INCH		12	14	16	14	14
FACE AREA		m <sup>2</sup> (ft <sup>2</sup> )	1.76 (19.00)	1.24 (13.38)	1.76 (19.00)	1.24 (13.38)	1.24 (13.38)
FACE VELOCITY		m/min(FPM)	112.16 (368)	131.97 (433)	112.16 (368)	131.97 (433)	131.97 (433)
<b>CONDENSER FAN</b>							
TYPE							
PERMANENT SPLIT CAPACITOR							
INDUCTION							
PERMANENT SPLIT CAPACITOR							
INDUCTION							
DRIVE							
PROPELLER/DIRECT							
BLADE MATERIAL							
ALUMINIUM							
QUANTITY							
BLADE DIAMETER		mm(in)	660.40 (26)	762.00 (30)	660.40 (26)	762.00 (30)	762.00 (30)
POWER SUPPLY		V/Ph/Hz	400/3/50	380-415/3/50	400/3/50	380-415/3/50	380-415/3/50
RATED RUNNING CURRENT		A	3.40	4.35	3.40	4.35	4.35
RATED INPUT		W	700	3,200	700	3,200	3,200
MOTOR POLES			6	6	6	6	6
AIR FLOW		CMM(CFM)	198.30 (7,000)	328.61 (11,600)	198.30 (7,000)	328.61 (11,600)	328.61 (11,600)
<b>COMPRESSOR</b>							
TYPE							
SCROLL							
POWER SUPPLY		V/Ph/Hz	380-415/3/50				
RATED RUNNING CURRENT		A	16.9	23.5	17.9	23.5	23.5
RATED INPUT		W	9,040	13,300	10,200	13,300	13,300
MAXIMUM STARTING CURRENT		A	125.0	198.0	110.0	198.0	198.0
PROTECTION DEVICE							
OVERLOAD PROTECTION AND AUTO RESET HIGH/LOW PRESSURE SWITCH							
STAGE OF CAPACITY CONTROL							
ON/OFF							
STARTER TYPE							
AUTO-TRANSFORMER							
<b>REFRIGERANT</b>							
TYPE							
R22							
TYPE OF GAS PRECHARGED							
NITROGEN HOLDING							

- ALL UNITS ARE BEING TESTED AND COMPLY TO AR10/240-89.
- NOMINAL COOLING CAPACITIES ARE BASED ON THE FOLLOWING CONDITIONS. INDOOR 26.7°C DB, 19.4°C WB, OUTDOOR 35°C DB.
- ALL SPECIFICATIONS ARE SUBJECT TO CHANGE BY MANUFACTURER WITHOUT PRIOR NOTICE.
- AIR FILTER IS AN OPTIONAL ITEM.

# SPECIFICATIONS ADB-B Series (with reciprocating compressor)\*

MODEL	INDOOR UNIT	ADB75B	ADB100B	ADB125B	ADB150B1
	OUTDOOR UNIT	AMC72B	AMC98B	AMC120B	AMC135C
TOTAL COOLING CAPACITY	Btu/h	75,000	100,000	120,000	135,000
	kcal/h	18,900	25,200	30,240	34,020
	W	21,975	29,300	35,170	39,570

## INDOOR UNIT

CASING	MATERIAL	ELECTRO GALVANIZED MILD STEEL			
	FINISHING	EPOXY POLYESTER POWDER COATING			
DIMENSION	INSULATION	PE			
	HEIGHT(H)	mm(in)	572 (22.51)	885 (34.84)	885 (34.84)
	WIDTH(W)	mm(in)	1,502 (59.13)	1,640 (64.56)	1,640 (64.56)
NET WEIGHT	DEPTH(D)	mm(in)	761 (29.96)	1,040 (40.94)	1,040 (40.94)
	NOISE LEVEL	kg(lb)	96 (211)	100 (220)	140 (308)
INDOOR COIL	NOISE LEVEL	dBA	66	71	77
INDOOR COIL TYPE	CROSS FINNED TUBES				
TUBE	MATERIAL	SEAMLESS COPPER			
	WALL THICKNESS	mm(in)	0.35 (0.013)		
	OUTER DIAMETER	mm(in)	9.52 (3/8)		
FIN	MATERIAL	ALUMINIUM			
	THICKNESS	mm(in)	0.127 (0.005)		
	ROWS		3	4	3
CAPACITY STEP	FIN PER INCH		12	14	12
	FACE AREA	%	100-0	100-0	100-0
FACE VELOCITY	m <sup>2</sup> (ft <sup>2</sup> )	0.54 (5.82)		1.00 (10.82)	1.00 (10.82)
INDOOR BLOWER	m/min(FPM)	130.75 (429)	167.64 (550)	118.26 (388)	129.54 (425)
INDOOR BLOWER TYPE / DRIVE	CENTRIFUGAL/DIRECT		CENTRIFUGAL/BELT DRIVEN		
INDOOR BLOWER BLOWER MATERIAL	COLD ROLLED STEEL		ZINC COATED STEEL		
INDOOR BLOWER QUANTITY	2		1		
INDOOR BLOWER BLOWER DIAMETER	mm(in)	282.70 (11.13)		394.97 (15.55)	394.97 (15.55)
INDOOR BLOWER BLOWER LENGTH	mm(in)	203.20 (8.00)		381.00 (15.00)	381.00 (15.00)
INDOOR BLOWER AIR FLOW	CMM(CFM)	70.82 (2,500)	90.65 (3,200)	118.98 (4,200)	130.31 (4,600)
INDOOR BLOWER EXTERNAL STATIC PRESSURE	mm wg(in wg)	10.16 (0.40)	10.16 (0.40)	15.24 (0.60)	15.24 (0.60)
INDOOR BLOWER BLOWER PULLEY DIAMETER	mm(in)	-	-	160 (6.3)	160 (6.3)
INDOOR BLOWER MOTOR PULLEY DIAMETER	mm(in)	-	-	80 (3.15)	80 (3.15)
INDOOR BLOWER PULLEY	TYPE	-	-	ISPZ	ISPZ
INDOOR BLOWER V-BELT	TYPE	-	-	SPZ1060	SPZ1060
INDOOR BLOWER MOTOR TYPE	PERMANENT SPLIT CAPACITOR		SQUIRREL CAGE INDUCTION		
INDOOR BLOWER POWER SUPPLY	V/Ph/Hz	220-240/1/50	220-240/1/50	400/3/50	400/3/50
INDOOR BLOWER NUMBER x RATED RUNNING CURRENT	A	2 x 1.70	2 x 1.63	3.39	3.39
INDOOR BLOWER NUMBER x RATED OUTPUT	W	2 x 248	2 x 373	1,500	1,500
INDOOR BLOWER NUMBER x RATED INPUT	W	2 x 350	2 x 436	1,100	1,630
INDOOR BLOWER MOTOR POLES		6	6	4	4
REFRIGERANT TYPE	R22				
REFRIGERANT TYPE OF GAS PRECHARGED	NITROGEN HOLDING				
REFRIGERANT CONTROL	THERMOSTAT EXPANSION VALVE				
REFRIGERANT PIPE CONNECTION	BRAZING				
REFRIGERANT PIPE SIZE	LIQUID	mm(in)	12.70 (1/2)	15.88 (5/8)	15.88 (5/8)
	GAS	mm(in)	25.40 (1.00)	28.58 (1-1/8)	34.92 (1-3/8)
REFRIGERANT DRAIN PIPE CONNECTION	mm(in)		25.4 (1.00)		
AIR FILTER TYPE	WASHABLE SARAN NET		WASHABLE VILEDON (AAF R29)		
AIR FILTER SIZE	LENGTH x HEIGHT	mm	622 x 433	457 x 738	457 x 738
	DEPTH	mm(in)	12.7 (1/2)	50.8 (2.00)	50.8 (2.00)
AIR FILTER QUANTITY			2	3	3

## OUTDOOR UNIT

MODEL		AMC72B	AMC98B	AMC120B	AMC135C
CASING	MATERIAL	ELECTRO GALVANIZED MILD STEEL			
	FINISHING	EPOXY POLYESTER POWDER			
DIMENSION	HEIGHT(H)	mm(in)	946 (37.24)	946 (37.24)	1,041 (40.98)
	WIDTH(W)	mm(in)	1,116 (43.93)	1,116 (43.93)	1,116 (43.93)
	DEPTH(D)	mm(in)	939 (36.96)	939 (36.96)	939 (36.96)
NET WEIGHT	kg(lb)	155 (231)	164 (361)	169 (372)	227 (500)
NOISE LEVEL	dBA	67	67	67	69
OUTDOOR COIL TYPE	CROSS FINNED TUBES				
TUBE	MATERIAL	SEAMLESS COPPER			
	WALL THICKNESS	mm(in)	0.35 (0.013)		
	OUTER DIAMETER	mm(in)	9.52 (3/8)		
FIN	MATERIAL	ALUMINIUM			
	THICKNESS	mm(in)	0.127 (0.005)		
	NUMBER x ROWS		2 x 1	2 x 2	2 x 2
FACE AREA	FIN PER INCH		16	12	16
	FACE VELOCITY	m <sup>2</sup> (ft <sup>2</sup> )	1.76 (19.00)		1.76 (19.00)
OUTDOOR FAN	m/min(FPM)	112.16 (368)		112.16 (368)	131.97 (433)
OUTDOOR FAN TYPE	INDUCTION				
OUTDOOR FAN DRIVE	PROPELLER/DIRECT				
OUTDOOR FAN BLADE MATERIAL	ALUMINIUM				
OUTDOOR FAN BLADE DIAMETER	mm(in)	660.40 (26)			762.00 (30)
OUTDOOR FAN POWER SUPPLY	V/Ph/Hz	400/3/50	400/3/50	400/3/50	400/3/50
OUTDOOR FAN RATED RUNNING CURRENT	A	1.40	1.50	1.43	3.00
OUTDOOR FAN RATED OUTPUT	W	466	466	466	580
OUTDOOR FAN RATED INPUT	W	708	660	640	1,100
OUTDOOR FAN MOTOR POLES		6	6	6	8
OUTDOOR FAN AIR FLOW	CMM(CFM)	198.30 (7,000)	198.30 (7,000)	198.3 (7,000)	328.61 (11,600)
COMPRESSOR TYPE	RECIPROCATING HERMETIC				
COMPRESSOR POWER SUPPLY	V/Ph/Hz	400/3/50	400/3/50	400/3/50	400/3/50
COMPRESSOR RATED RUNNING CURRENT	A	11.5	15.1	18.7	21.4
COMPRESSOR RATED OUTPUT	W	5,036	7,771	8,952	9,947
COMPRESSOR RATED INPUT	W	6,310	9,610	11,700	13,570
COMPRESSOR MAXIMUM STARTING CURRENT	A	80.0	105.0	115.0	130.0
COMPRESSOR PROTECTION DEVICE	OVERLOAD PROTECTION AND AUTO RESET HIGH/LOW PRESSURE SWITCH				
COMPRESSOR STAGE OF CAPACITY CONTROL	ON/OFF				
COMPRESSOR STARTER TYPE	AUTO-TRANSFORMER				
REFRIGERANT TYPE	R22				
REFRIGERANT TYPE OF GAS PRECHARGED	NITROGEN HOLDING				

1. NOMINAL COOLING CAPACITIES ARE BASED ON THE FOLLOWING CONDITIONS: INDOOR 26.7°C DB, 19.4°C WB, OUTDOOR 35.0°C DB.

2. ALL SPECIFICATION ARE SUBJECT TO CHANGE BY MANUFACTURER WITHOUT PRIOR NOTICE.

3. AIR FILTER IS AN OPTIONAL ITEM.

\* SUBJECT TO AVAILABILITY AND UPON SPECIAL REQUEST.

# SPECIFICATIONS ADB-B Series (with reciprocating compressor)\*

MODEL	INDOOR UNIT	ADB150B2	ADB200B2	ADB250B2	ADB300B2	ADB300B3	AMC350B3	
	OUTDOOR UNIT	AMC72B x 2	AMC98B x 2	AMC120B x 2	AMC135C x 2	AMC98B x 3	AMC98B x 1	AMC120B x 2
TOTAL COOLING CAPACITY	Btu/h	150,000	200,000	240,000	270,000	300,000	340,000	
	kcal/h	37,800	49,392	60,480	68,040	75,600	85,680	
	W	43,950	57,450	70,340	79,140	87,900	99,620	

## INDOOR UNIT

CASING		ELECTRO GALVANIZED MILD STEEL							
FINISHING		EPOXY POLYESTER POWDER COATING							
INSULATION		PE			PE/FIBRE GLASS				
DIMENSION	HEIGHT(H)	mm(in)	885 (34.84)	945 (37.20)	1,291 (50.82)	1,291 (50.82)	1,291 (50.82)	1,546 (60.86)	
	WIDTH(W)	mm(in)	1,640 (64.56)	1,894 (74.56)	1,866 (73.46)	1,866 (73.46)	1,866 (73.46)	2,122 (83.54)	
	DEPTH(D)	mm(in)	1,040 (40.94)	980 (38.58)	1,199 (47.20)	1,199 (47.20)	1,199 (47.20)	1,199 (47.20)	
NET WEIGHT	kg(lb)	145 (319)	180 (396)	250 (551)	270 (595)	270 (595)	320 (705)	320 (705)	
NOISE LEVEL	dBA	79	85	87	89	89	92		
INDOOR COIL		CROSS FINNED TUBES							
TYPE		SEAMLESS COPPER							
TUBE	WALL THICKNESS	mm(in)	0.35 (0.013)						
	OUTER DIAMETER	mm(in)	9.52 (3/8)						
	MATERIAL		ALUMINIUM						
FIN	THICKNESS	mm(in)	0.127 (0.005)						
	ROWS		4		5			4	
	FIN PER INCH		12		14			12	
CAPACITY STEP	%	100-50-0		100-50-0		100-67-33-0		100-67-33-0	
FACE AREA	m <sup>2</sup> (ft <sup>2</sup> )	1.00 (10.82)	1.20 (12.92)	1.48 (16.01)	1.62 (17.50)	1.62 (17.50)	2.38 (25.62)		
FACE VELOCITY	m/min(FPM)	129.54 (425)	150.87 (495)	152.40 (500)	156.66 (516)			124.96 (410)	
INDOOR BLOWER		CENTRIFUGAL/BELT DRIVEN							
TYPE / DRIVE		ZINC COATED STEEL							
BLOWER MATERIAL									
BLOWER DIAMETER	mm(in)	394.97 (15.55)			469.90 (18.50)		469.90 (18.50)		
BLOWER LENGTH	mm(in)	381.00 (15.00)			459.99 (18.11)		459.99 (18.11)		
AIR FLOW	CMM(CFM)	130.31 (4,600)	181.30 (6,400)	226.62 (8,000)	254.95 (9,000)		297.45 (10,500)		
EXTERNAL STATIC PRESSURE	mm wg(in wg)	15.24 (0.60)	15.24 (0.60)	20.32 (0.80)	20.32 (0.80)		20.32 (0.80)		
BLOWER PULLEY DIAMETER	mm(in)	160 (6.3)	140 (5.51)	180 (7.09)	180 (7.09)	180 (7.09)	250 (9.84)		
MOTOR PULLEY DIAMETER	mm(in)	80 (3.15)	80 (3.15)	90 (3.54)	95 (3.74)	95 (3.74)	125 (4.92)		
PULLEY	TYPE	1SPZ	2SPZ	2SPZ	2SPZ	2SPZ	2SPZ		
V-BELT	TYPE	SPZ1060	SPZ1100	SPZ1700	SPZ1700	SPZ1700	SPZ2360		
INDOOR BLOWER MOTOR		SQUIRREL CAGE INDUCTION							
TYPE									
POWER SUPPLY	V/Ph/Hz	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50		
RATED RUNNING CURRENT	A	3.39	6.15	8.00	8.00	8.00	10.90		
RATED OUTPUT	W	1,500	3,000	4,000	4,000	4,000	5,500		
RATED INPUT	W	1,630	2,730	3,370	4,000	4,000	4,510		
MOTOR POLES		4	4	4	4	4	4		
REFRIGERANT		R22							
TYPE		NITROGEN HOLDING							
TYPE OF GAS PRECHARGED		THERMOSTAT EXPANSION VALVE							
CONTROL		BRAZING							
PIPE CONNECTION									
PIPE SIZE	LIQUID	mm(in)	12.70 (1/2)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	
	GAS	mm(in)	25.40 (1.00)	28.58 (1-1/8)	34.92 (1-3/8)	34.92 (1-3/8)	28.58 (1-1/8)	28.58 (1-1/8)	
DRAIN PIPE CONNECTION		mm(in)	25.4 (1.00)						
AIR FILTER		WASHABLE VILEDON (AAF R29)							
TYPE									
SIZE	LENGTH x HEIGHT	mm	457 x 738	542 x 738	533 x 532	533 x 532		617 x 661	
	DEPTH	mm(in)				50.8 (2.00)			
QUANTITY		3			6				

## OUTDOOR UNIT

MODEL			AMC72B x 2	AMC98B x 2	AMC120B x 2	AMC135C x 2	AMC98B x 3	AMC98B x 1	AMC120B x 2	
CASING	MATERIAL	ELECTRO GALVANIZED MILD STEEL								
	FINISHING	EPOXY POLYESTER POWDER								
	INSULATION									
DIMENSION	HEIGHT(H)	mm(in)	946 (37.24)	946 (37.24)	946 (37.24)	1,041 (40.98)	946 (37.24)	946 (37.24)	946 (37.24)	
	WIDTH(W)	mm(in)	1,116 (43.93)	1,116 (43.93)	1,116 (43.93)	1,116 (43.93)	1,116 (43.93)	1,116 (43.93)	1,116 (43.93)	
	DEPTH(D)	mm(in)	939 (36.96)	939 (36.96)	939 (36.96)	939 (36.96)	939 (36.96)	939 (36.96)	939 (36.96)	
NET WEIGHT	kg(lb)	155 (231)	164 (361)	169 (372)	227 (500)	164 (372)	164 (361)	169 (372)		
NOISE LEVEL	dBA	67	67	67	69	67	67	67		
OUTDOOR COIL		CROSS FINNED TUBES								
TYPE		SEAMLESS COPPER								
TUBE	WALL THICKNESS	mm(in)	0.35 (0.013)							
	OUTER DIAMETER	mm(in)	9.52 (3/8)							
	MATERIAL		ALUMINIUM							
FIN	THICKNESS	mm(in)	0.127 (0.005)							
	NUMBER x ROWS		2 x 1	2 x 2	2 x 2	2 x 2	2 x 2	2 x 2	2 x 2	
	FIN PER INCH		16	12	16	14	12	12	16	
FACE AREA	m <sup>2</sup> (ft <sup>2</sup> )	1.76 (19.00)		1.24 (13.38)		1.76 (19.00)		1.76 (19.00)		
FACE VELOCITY	m/min(FPM)	112.16 (368)		131.97 (433)		112.16 (368)		112.16 (368)		
OUTDOOR FAN		INDUCTION								
DRIVE		PROPELLER/DIRECT								
BLADE MATERIAL		ALUMINIUM								
BLADE DIAMETER	mm(in)	660.40 (26)	660.40 (26)	660.40 (26)	762.00 (30)	660.40 (26)	660.40 (26)			
POWER SUPPLY	V/Ph/Hz	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	
RATED RUNNING CURRENT	A	1.40	1.50	1.43	3.00	1.50	1.50	1.43		
RATED OUTPUT	W	466	466	466	580	466	466	466		
RATED INPUT	W	708	660	640	1,100	660	660	640		
MOTOR POLES		6		8		6		6		
AIR FLOW	CMM(CFM)	198.30 (7,000)	198.30 (7,000)	198.30 (7,000)	328.61 (11,600)	198.3 (7,000)	198.3 (7,000)	198.3 (7,000)		
COMPRESSOR		RECIPROCATING HERMETIC								
TYPE										
POWER SUPPLY	V/Ph/Hz	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50		
RATED RUNNING CURRENT	A	11.5	15.1	18.7	21.4	15.1	15.1	18.7		
RATED OUTPUT	W	5,036	7,771	8,952	9,947	7,771	7,771	8,952		
RATED INPUT	W	6,310	9,610	11,700	13,570	9,610	9,610	11,700		
MAXIMUM STARTING CURRENT	A	80.0	105.0	115.0	130.0	105.0	105.0	115.0		
PROTECTION DEVICE		OVERLOAD PROTECTION AND AUTO RESET HIGH/LOW PRESSURE SWITCH								
STAGE OF CAPACITY CONTROL		ON/OFF								
STARTER TYPE		AUTO-TRANSFORMER								
REFRIGERANT		R22								
TYPE		NITROGEN HOLDING								
TYPE OF GAS PRECHARGED										

1. NOMINAL COOLING CAPACITIES ARE BASED ON THE FOLLOWING CONDITIONS: INDOOR 26.7°C DB, 19.4°C WB, OUTDOOR 35.0°C DB.

2. ALL SPECIFICATION ARE SUBJECT TO CHANGE BY MANUFACTURER WITHOUT PRIOR NOTICE.

3. AIR FILTER IS AN OPTIONAL ITEM.

\* SUBJECT TO AVAILABILITY AND UPON SPECIAL REQUEST.

# SPECIFICATIONS ADB-B Series (with reciprocating compressor)\*

MODEL	INDOOR UNIT	ADB400B4	ADB450B3	ADB500B4	ADB600B4	ADB750B5
	OUTDOOR UNIT	AMC98B x 4	AMC135C x 3	AMC120B x 4	AMC135C x 4	AMC135C x 5
TOTAL COOLING CAPACITY	Btu/h	400,000	405,000	480,000	540,000	675,000
	kcal/h	100,800	102,060	120,960	136,080	170,100
	W	117,200	118,710	140,690	158,270	197,840

## INDOOR UNIT

CASING		ELECTRO GALVANIZED MILD STEEL EPOXY POLYESTER POWDER COATING PE/FIBRE GLASS				
DIMENSION	HEIGHT(H)	mm(in)	1,546 (60.86)		1,977 (77.83)	2,257 (88.85)
	WIDTH(W)	mm(in)	2,274 (89.52)			
	DEPTH(D)	mm(in)	1,466 (57.71)		1,905 (75.00)	
NET WEIGHT	kg(lb)	513 (1,131)	564 (1,243)	606 (1,336)	991 (2,185)	1,051 (2,317)
NOISE LEVEL	dBA	90	93	96	89	93
INDOOR COIL		CROSS FINNED TUBES SEAMLESS COPPER				
TUBE	WALL THICKNESS	mm(in)	0.35 (0.013)			
	OUTER DIAMETER	mm(in)	9.52 (3/8)			
FIN	MATERIAL		ALUMINIUM			
	THICKNESS	mm(in)	0.127 (0.005)			
	ROWS		4	5	6	
	FIN PER INCH		14	12		
CAPACITY STEP	%	100-75-50-25-0	100-67-33-0	100-75-50-25-0	100-75-50-25-0	100-80-60-40-20-0
FACE AREA	m <sup>2</sup> (ft <sup>2</sup> )	2.38 (25.62)	2.58 (27.78)	2.55 (27.45)	3.37 (36.32)	3.97 (42.73)
FACE VELOCITY	m/min(FPM)	142.94 (468)	147.82 (485)	166.42 (546)	150.87 (495)	160.32 (526)
INDOOR BLOWER		CENTRIFUGAL/BELT DRIVEN ZINC COATED STEEL				
BLOWER MATERIAL					785.00 (30.90)	
BLOWER DIAMETER	mm(in)	591.82 (23.30)			706.00 (27.79)	
BLOWER LENGTH	mm(in)	563.88 (22.20)				
AIR FLOW	CMM(CFM)	339.94 (12,000)	382.43 (13,500)	424.92 (15,000)	509.91 (18,000)	637.39 (22,500)
EXTERNAL STATIC PRESSURE	mm wg(in wg)	35.00 (1.37)		40.00 (1.57)	50.00 (1.96)	50.00 (1.96)
BLOWER PULLEY DIAMETER	mm(in)	250	250	315	400	400
MOTOR PULLEY DIAMETER	mm(in)	106	112	150	132	140
PULLEY	TYPE	2SPA	2SPA	2SPA	3SPA	3SPA
V-BELT	TYPE	SPA2160		SPA2270	SPA1850	
INDOOR BLOWER MOTOR		SQUIRREL CAGE INDUCTION				
POWER SUPPLY	V/Ph/Hz	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50
NUMBER x RATED RUNNING CURRENT	A	8.7	12.5	14.7	21.4	25.0
NUMBER x RATED OUTPUT	W	5,500	7,500	11,000	11,000	15,000
NUMBER x RATED INPUT	W	4,835	7,320	8,035	12,900	14,900
MOTOR POLES		4	4	4	4	4
REFRIGERANT		R22				
TYPE		NITROGEN HOLDING				
TYPE OF GAS PRECHARGED		THERMOSTAT EXPANSION VALVE				
CONTROL		BRAZING				
PIPE CONNECTION						
PIPE SIZE	LIQUID	mm(in)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
	GAS	mm(in)	28.58 (1-1/8)	34.92 (1-3/8)	34.92 (1-3/8)	34.92 (1-3/8)
DRAIN PIPE CONNECTION	mm(in)	25.4 (1.00)				
AIR FILTER		WASHABLE VILEDON (AAF R29)				
TYPE						
SIZE	LENGTH x HEIGHT	mm	668 x 661		668 x 579	668 x 672
	DEPTH	mm(in)	50.8 (2.00)			
QUANTITY		6			9	

## OUTDOOR UNIT

MODEL		AMC98B x 4	AMC135C x 3	AMC120B x 4	AMC135C x 4	AMC135C x 5
CASING	MATERIAL	ELECTRO GALVANIZED MILD STEEL				
	FINISHING	EPOXY POLYESTER POWDER				
DIMENSION	HEIGHT(H)	mm(in)	946 (37.24)	1,041 (40.98)	946 (37.24)	1,041 (40.98)
	WIDTH(W)	mm(in)	1,116 (43.93)	1,116 (43.93)	1,116 (43.93)	1,116 (43.93)
	DEPTH(D)	mm(in)	939 (36.96)	939 (36.96)	939 (36.96)	939 (36.96)
NET WEIGHT	kg(lb)	164 (361)	227 (500)	169 (372)		227 (500)
NOISE LEVEL	dBA	67	69	67		69
OUTDOOR COIL		CROSS FINNED TUBES SEAMLESS COPPER				
TUBE	WALL THICKNESS	mm(in)	0.35 (0.013)			
	OUTER DIAMETER	mm(in)	9.52 (3/8)			
FIN	MATERIAL		ALUMINIUM			
	THICKNESS	mm(in)	0.127 (0.005)			
	NUMBER x ROWS		2 x 2	2 x 2	2 x 2	2 x 2
	FIN PER INCH		12	14	16	14
FACE AREA	m <sup>2</sup> (ft <sup>2</sup> )	1.76 (19.00)	1.24 (13.38)	1.76 (19.00)		1.24 (13.38)
FACE VELOCITY	m/min(FPM)	112.16 (368)	131.97 (433)	112.16 (368)		131.97 (433)
OUTDOOR FAN		INDUCTION PROPELLER/DIRECT ALUMINIUM				
BLADE DIAMETER	mm(in)	660.40 (26)	762.00 (30)	660.40 (26)		762.00 (30)
POWER SUPPLY	V/Ph/Hz	400/3/50	400/3/50	400/3/50		400/3/50
NUMBER x RATED RUNNING CURRENT	A	1.50	3.00	1.43		3.00
NUMBER x RATED OUTPUT	W	466	580	466		580
NUMBER x RATED INPUT	W	660	1,100	640		1,100
MOTOR POLES		6	8	6		8
AIR FLOW	CMM(CFM)	198.30 (7,000)	328.61 (11,600)	198.30 (7,000)		328.61 (11,600)
COMPRESSOR		RECIPROCATING HERMETIC				
POWER SUPPLY	V/Ph/Hz	400/3/50	400/3/50	400/3/50		400/3/50
RATED RUNNING CURRENT	A	15.1	21.4	18.7		21.4
RATED OUTPUT	W	7,771	9,947	8,952		9,947
RATED INPUT	W	9,610	13,570	11,700		13,570
MAXIMUM STARTING CURRENT	A	105.0	130.0	115.0		130.0
PROTECTION DEVICE		OVERLOAD PROTECTION AND AUTO RESET HIGH/LOW PRESSURE SWITCH				
STAGE OF CAPACITY CONTROL		ON/OFF				
STARTER TYPE		AUTO-TRANSFORMER				
REFRIGERANT		R22				
TYPE		NITROGEN HOLDING				
TYPE OF GAS PRECHARGED						

1. NOMINAL COOLING CAPACITIES ARE BASED ON THE FOLLOWING CONDITIONS: INDOOR 26.7°C DB, 19.4°C WB, OUTDOOR 35.0°C DB.

2. ALL SPECIFICATION ARE SUBJECT TO CHANGE BY MANUFACTURER WITHOUT PRIOR NOTICE.

3. AIR FILTER IS AN OPTIONAL ITEM.

\* SUBJECT TO AVAILABILITY AND UPON SPECIAL REQUEST.

# SPECIFICATIONS ADB-D Series\*

MODEL	INDOOR UNIT	OUTDOOR UNIT	ADB75D	ADB100D	ADB125D	ADB150D1	ADB150D2	ADB200D2	ADB250D2	ADB300D2	ADB4004	ADB500D4
TOTAL COOLING CAPACITY	BTU/h	35°C DB	75,000	100,000	125,000	150,000	150,000	200,000	250,000	300,000	400,000	500,000
TOTAL NOMINAL POWER CONSUMPTION	kcal/h		18,900	25,200	31,500	37,800	37,800	50,400	63,000	75,600	100,800	126,000
TOTAL NOMINAL RUNNING CURRENT	W		21,975	29,300	36,625	43,950	43,950	58,600	73,250	87,900	117,200	146,500
	W		8,008	9,710	11,770	15,800	16,280	20,200	25,000	34,620	40,700	52,500
	A(1-PHASE)		3.60	5.20	-	-	-	-	-	-	-	-
	(3-PHASE)		13.60	16.70	21.80	27.40	30.50	38.80	45.40	59.50	77.80	93.50

## INDOOR UNIT

CASING	MATERIAL FINISHING	INSULATION	ELECTRO GALVANIZED MILD STEEL EPOXY POLYESTER POWDER COATING										
DIMENSION	HEIGHT(H)	mm(in)	507 (19.96)	507 (19.96)	710 (27.95)	710 (27.95)	710 (27.95)	710 (27.95)	881 (34.68)	983 (38.70)	983 (38.70)	1,176 (46.29)	1,176 (46.29)
	WIDTH(W)	mm(in)	1,507 (59.33)	1,917 (75.47)	1,794 (70.62)	2,073 (81.61)	2,073 (81.61)	1,324 (52.12)	1,486 (58.50)	1,486 (58.50)	1,722 (67.79)	1,722 (67.79)	2,047 (80.59)
	DEPTH(D)	mm(in)	859 (33.81)	859 (33.81)	964 (37.95)	964 (37.95)	964 (37.95)	1,209 (47.59)	1,298 (51.10)	1,501 (59.09)	1,691 (66.57)	2,047 (80.59)	
NET WEIGHT	kg(lb)		95 (209)	120 (264)	155 (341)	175 (385)	175 (385)	248 (546)	321 (707)	394 (868)	470 (1,036)	567 (1,250)	
NOISE LEVEL	dBA		66	71	76.8	78.6	78.6	85	87.1	89.4	90.3	96.3	
EVAPORATOR COIL	TYPE		CROSS FINNED TUBES										
	TUBE	MATERIAL	S.B.C.										
		WALL THICKNESS	0.35 (0.013)										
		OUTER DIAMETER	9.52 (3/8)										
	FIN	MATERIAL	ALUMINIUM CORRUGATED					ALUMINIUM SLIT					
		THICKNESS	0.127 (0.005)					0.127 (0.005)					
		ROWS	3					3					
		FIN PER INCH	14					14					
CAPACITY STEP	%		100-0	100-0	100-0	100-0	100-50-0	100-50-0	100-50-0	100-50-0	100-75-50-25-0	100-75-50-25-0	
FACE AREA	m <sup>2</sup> (ft <sup>2</sup> )		0.53 (5.73)	0.72 (7.75)	0.89 (9.66)	1.06 (11.50)	1.06 (11.50)	1.43 (15.41)	1.77 (19.12)	2.12 (22.90)	2.89 (31.11)	3.61 (38.88)	
FACE VELOCITY	m/min(FPM)		119.48 (392)	117.95 (387)	118.26 (388)	119.17 (391)	119.17 (391)	118.56 (389)	119.48 (392)	119.78 (393)	117.34 (385)	117.34 (385)	
EVAPORATOR BLOWER	TYPE / DRIVE		CENTRIFUGAL/DIRECT					CENTRIFUGAL/BELT DRIVEN					
	BLOWER MATERIAL		ZINC COATED STEEL					ZINC COATED STEEL					
	QUANTITY		2					2					
	BLOWER DIAMETER	mm(in)	282.70 (11.13)	282.70 (11.13)	394.97 (15.55)	394.97 (15.55)	394.97 (15.55)	394.97 (15.55)	469.90 (18.50)	469.90 (18.50)	591.82 (23.30)	591.82 (23.30)	
	BLOWER LENGTH	mm(in)	203.20 (8.00)	203.20 (8.00)	381.00 (15.00)	381.00 (15.00)	381.00 (15.00)	381.00 (15.00)	459.99 (18.11)	459.99 (18.11)	563.88 (22.20)	563.88 (22.20)	
	AIR FLOW	CMM(CFM)	63.73 (2,250)	84.98 (3,000)	106.23 (3,750)	127.17 (4,500)	127.17 (4,500)	169.97 (6,000)	212.46 (7,500)	254.95 (9,000)	339.94 (12,000)	424.92 (15,000)	
	EXTERNAL STATIC PRESSURE	mm wg(in wg)	10.2 (0.4)	10.2 (0.4)	15.2 (0.6)	15.2 (0.6)	15.2 (0.6)	15.2 (0.6)	20.3 (0.8)	20.3 (0.8)	30.5 (1.2)	45.7 (1.8)	
	BLOWER PULLEY DIAMETER	mm(in)	-	-	160 (6.3)	160 (6.3)	160 (6.3)	125 (4.92)	180 (7.09)	250 (9.84)	315 (12.4)	250 (9.84)	
	MOTOR PULLEY DIAMETER	mm(in)	-	-	85 (3.35)	85 (3.35)	85 (3.35)	75 (2.95)	95 (3.74)	132 (5.2)	140 (5.51)	125 (4.92)	
	PULLEY	TYPE	-	-	ISPZ	ISPZ	ISPZ	2SPZ	2SPZ	2SPZ	3SPA	3SPA	
	V-BELT		-	-	SPZ760	SPZ760	SPZ760	SPZ1150	SPZ1400	SPZ1650	SPZ1987	SPA1900	
BLOWER MOTOR	TYPE		PERMANENT SPLIT CAPACITOR					SQUIRREL CAGE INDUCTION					
	POWER SUPPLY	V/Ph/Hz	240/1/50					400/3/50					
	NUMBER x RATED RUNNING CURRENT	A	2 x 1.85					1 x 3.39					
	NUMBER x RATED OUTPUT	W	2 x 270					1 x 1,500					
	NUMBER x RATED INPUT	W	2 x 405					1,420					
	MOTOR POLES		6					4					
REFRIGERANT	TYPE		R22										
	TYPE OF GAS PRECHARGED		NITROGEN HOLDING										
	CONTROL		THERMOSTAT EXPANSION VALVE										
	PIPE CONNECTION		BRAZING										
	PIPE SIZE	LIQUID PIPE	mm(in)	12.70 (1/2)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	12.70 (1/2)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
		GAS PIPE	mm(in)	28.57 (1 1/8)	34.92 (1 3/8)	34.92 (1 3/8)	41.28 x (1 5/8)	28.57 x (1 1/8)	34.92 x (1 3/8)	34.92 x (1 3/8)	41.28 x (1 5/8)	34.92 x (1 3/8)	34.92 x (1 3/8)
	DRAIN PIPE CONNECTION	mm(in)	25.40 (1.00)	25.40 (1.00)	25.40 x (1.00)	25.40 (1.00)	25.40 (1.00)	25.40 x (1.00)	25.40 x (1.00)	25.40 x (1.00)	25.40 x (1.00)	25.40 x (1.00)	
AIR FILTER	TYPE		AAF R15										
	SIZE	LENGTH x HEIGHT	mm	399 x 385	536 x 385	508 x 581	601 x 581	601 x 581	470 x 346	514 x 397	616 x 397	474 x 493	593 x 493
	QUANTITY	DEPTH	mm(in)	50.8 (2.00)	50.8 (2.00)	50.8 (2.00)	50.8 (2.00)	50.8 (2.00)	50.8 (2.00)	50.8 (2.00)	50.8 (2.00)	50.8 (2.00)	50.8 (2.00)

## OUTDOOR UNIT

MODEL	AMC75D	AMC100D	AMC125D	AMC150D	AMC75D x 2	AMC100D x 2	AMC125D x 2	AMC150D x 2	AMC100D x 4	AMC125D x 4		
CASING	ELECTRO GALVANIZED MILD STEEL EPOXY POLYESTER POWDER											
DIMENSION	HEIGHT(H)	mm(in)	1,041 (40.98)	1,041 (40.98)	1,041 (40.98)	1,142 (44.96)	1,041 (40.98)	1,041 (40.98)	1,041 (40.98)	1,142 (44.96)	1,041 (40.98)	
	WIDTH(W)	mm(in)	981 (38.62)	981 (38.62)	1,083 (42.63)	1,083 (42.63)	981 (38.62)	981 (38.62)	1,083 (42.63)	1,083 (42.63)	1,083 (42.63)	
	DEPTH(D)	mm(in)	981 (38.62)	981 (38.62)	1,083 (42.63)	1,083 (42.63)	981 (38.62)	981 (38.62)	1,083 (42.63)	1,083 (42.63)	1,083 (42.63)	
NET WEIGHT	kg(lb)		170 (374)	184 (405)	197 (434)	268 (590)	170 (374)	184 (405)	197 (434)	268 (590)	184 (405)	
NOISE LEVEL	dBA		64	66	68	74	64	66	68	74	66	
CONDENSER COIL	TYPE		S.B.C.					S.I.G.C.				
	TUBE	MATERIAL	S.B.C.									
		WALL THICKNESS	0.35 (0.013)									
		OUTER DIAMETER	9.52 (3/8)									
	FIN	MATERIAL	ALUMINIUM CORRUGATED									
		THICKNESS	0.127 (0.005)									
		NUMBER x ROWS	2 x 1		2 x 2		2 x 2		2 x 2		2 x 2	
		FIN PER INCH	20		16		16		16		16	
FACE AREA	m <sup>2</sup> (ft <sup>2</sup> )		2.29 (24.72)	2.26 (24.38)	2.54 (27.38)	2.82 (30.40)	2.29 (24.72)	2.26 (24.38)	2.54 (27.38)	2.82 (30.40)	2.26 (24.38)	2.54 (27.38)
FACE VELOCITY	m/min(FPM)		86.25 (283)	87.47 (287)	111.25 (365)	100.27 (329)	86.25 (283)	87.47 (287)	111.25 (365)	100.27 (329)	87.47 (287)	111.25 (365)
CONDENSER FAN	DRIVE		PROPELLER/DIRECT									
	TYPE		INDUCTION									
	BLADE MATERIAL		ALUMINIUM									
	BLADE DIAMETER	mm(in)	812.80 (32)	812.80 (32)	914.40 (36)	914.40 (36)	812.80 (32)	812.80 (32)	914.40 (36)	914.40 (36)	812.80 (32)	914.40 (36)
	POWER SUPPLY	V/Ph/Hz	415/3/50									
	RATED RUNNING CURRENT	A	1.14									
	RATED OUTPUT	W	350									
	RATED INPUT	W	550									
	MOTOR POLES		10									
	AIR FLOW	CMM(CFM)	198.30 (7,000)	198.30 (7,000)	283.28 (10,000)	283.28 (10,000)	198.30 (7,000)	198.30 (7,000)	283.28 (10,000)	283.28 (10,000)	198.30 (7,000)	283.28 (10,000)
COMPRESSOR	TYPE		SCROLL									
	POWER SUPPLY	V/Ph/Hz	415/3/50									
	RATED RUNNING CURRENT	A	13.6									
	RATED OUTPUT	W	6,000									
	RATED INPUT	W	6,810									
	MAXIMUM STARTING CURRENT	A	95.0									
PROTECTION DEVICE			OVERLOAD PROTECTION			CONTROL MODULE	OVERLOAD PROTECTION			CONTROL MODULE	OVERLOAD PROTECTION	
STAGE OF CAPACITY CONTROL			AND AUTO RESET HI/LO PRESSURE SWITCH ON/OFF									
STARTER TYPE			AUTO-TRANSFORMER									
REFRIGERANT TYPE			R22									
TYPE OF GAS PRECHARGED			NITROGEN HOLDING									

NOTE:  
 1. NOMINAL COOLING CAPACITIES ARE BASED ON THE FOLLOWING CONDITIONS: INDOOR 27°C DB, 19.5°C WB, OUTDOOR 35°C DB.  
 2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.  
 3. AIR FILTER IS AN OPTIONAL ITEM.  
 \* SUBJECT TO AVAILABILITY AND UPON SPECIAL REQUEST.  
 S.B.C. - SEAMLESS BARE COPPER  
 S.I.G.C. - SEAMLESS INNER GROOVED COPPER