

For Those Who Prefer the Quality, We Manufacture



**AIR COOLED SPLIT
AIR CONDITIONERS**



**AIR COOLED
SELF CONTAINED
PACKAGE
AIR CONDITIONERS**



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AIR COOLED SPLIT AIR CONDITIONER TYPE - INDOOR UNIT - HORIZONTAL DUCTED



INDOOR UNIT (ADH) DUCTED

OUTDOOR UNIT

MODELS	Indoor Unit	AS51ADH	AS84ADH	AS97ADH	AS103ADH	AS119ADH	AS168ADH
	Outdoor Unit	AS51A	AS84A	AS97A	AS103A	AS119A	AS168A
NOM. COOLING CAPACITY	BTU/hr	51800	84390	97000	103600	119000	168780
	Kcal/hr	13047	21256	24433	26095	29974	42513
	Tons	4.31	7.00	8.00	8.63	9.92	14.07
INDOOR UNIT							
AIR FLOW RATE	M3/Min	52.39	70.80	96.27	96.25	121.77	161.42
	ft3/Min	1850	2500	3400	3400	4300	5700
FAN MOTOR	KW	0.4	0.75	1.5	1.5	1.5	2.3
DIMENSION (INCH)	H	29	29	29	29	29	38
	W	40	50	50	50	60	60
	D	33	33	33	33	33	43
MACHINE WEIGHT (Approx.)	Kg/lb	145 / 319	150 / 330	175 / 385	175 / 385	200 / 440	280 / 560
OUTDOOR UNIT							
COMPRESSOR	Type	HERMETIC SCROLL					
	Refrigerant	R - 22 / R 407C					
	Charge (Kg/lb)	3.9 / 8.58	6 / 13.2	8 / 17.6	2 x 3.9 / 17.6	9 / 19.8	2 x 6 / 26.4
	Power Supply	380 / 415 V - 3Ph - 50 Hz					
	Horse Power x Qty.	5 x 1	7.5 x 1	10 x 1	5 x 1	12 x 1	7.5 x 2
CONDENSER MOTOR	Type	PROPELLER TYPE DIRECT DRIVEN					
	Qty	1	1	1	2	1	2
	Motor HP	1 / 2	1 / 2	1 / 2	1 / 2	1	1 / 2
DIMENSION (INCH)	H	27.5	39.5	39.5	39.5	39.5	51.5
	W	37	48	48	48	64	64
	D	42	48	48	48	48	48
MACHINE WEIGHT	Kg/lb	210 / 462	260 / 572	363 / 385	363 / 385	400 / 880	420 / 924
PIPING CONNECTIONS							
LIQUID LINE	(Inch/mm)	0.5 / 12.7	0.5 / 12.7	0.63 / 15.9	0.5 / 12.7	0.75 / 16	0.5 / 12.7
SUCTION LINE	(Inch/mm)	0.75 / 19	0.88 / 22.4	1.13 / 28.6	0.75 / 19	12.5 / 31.75	0.88 / 22.4
DRAIN PIPE	(Inch/mm)	0.75 / 19	0.75 / 19	0.75 / 19	0.75 / 19	0.75 / 19	0.75 / 19
REFRIGERANT CONTROL		Capillary	THERMOSTATIC EXPANSION VALVE	Capillary	THERMOSTATIC EXPANSION VALVE		

MODELS	Indoor Unit	AS194ADH	AS238ADH	AS291ADH	AS357ADH	AS388ADH	AS476ADH
	Outdoor Unit	AS194A	AS238A	AS291A	AS357A	AS388A	AS476A
NOM. COOLING CAPACITY	BTU/hr	194000	238000	291000	357000	388000	476000
	Kcal/hr	48866	59950	73300	89924	97733	119899
	Tons	16.17	19.83	24.25	29.75	32.33	39.67
INDOOR UNIT							
AIR FLOW RATE	M3/Min	192.54	243.5	288.8	365.25	388	487
	ft3/Min	6800	8600	10200	12900	13670	17200
FAN MOTOR	KW	3	3	4.5	4.5	6	6
DIMENSION (INCH)	H	43	43	57	57	57	57
	W	70	80	83	80	80	80
	D	43	43	43	66	66	66
MACHINE WEIGHT (Approx.)	Kg/lb	290 / 638	320 / 704	380 / 836	470 / 1036	480	550/1210
OUTDOOR UNIT							
COMPRESSOR	Type	HERMETIC SCROLL					
	Refrigerant	R - 22 / R 407C					
	Charge (Kg/lb)	8x2/17.6x2	9x2/19.8x2	8x3/17.6x3	9x3/19.8x3	8x4/17.4x4	9x4/19.3x4
	Power Supply	380 / 415 V - 3Ph - 50 Hz					
	Horse Power x Qty.	10 x 2	12 x 2	10 x 3	12 x 3	10 x 4	12 x 4
CONDENSER MOTOR	Type	PROPELLER TYPE DIRECT DRIVEN					
	Qty	2	2	3	3	4	4
	Motor HP	1 / 2	1	1 / 2	1	1 / 2	1
DIMENSION (INCH)	H	51.5	51.5	51.5	51.5	51.5	51.5
	W	64	64	64	64	64	64
	D	48	84	84	83.5	125	150
MACHINE WEIGHT	Kg/lb	480 / 1430	700 / 1540	800 / 1760	960 / 2116	1150 / 2530	1150 / 2530
PIPING CONNECTIONS							
LIQUID LINE	(Inch/mm)	0.63 / 15.9	0.75 / 19	0.63 / 15.9	0.75 / 19	0.63 / 15.9	0.75 / 19
SUCTION LINE	(Inch/mm)	1.13 / 28.6	12.5 / 31.75	1.13 / 28.6	1.25 / 31.75	1.13 / 28.6	1.25 / 31.75
DRAIN PIPE	(Inch/mm)	0.75 / 19	0.75 / 19	1.0 / 25.4	1.0 / 25.4	1.0 / 25.4	1.0 / 25.4
REFRIGERANT CONTROL		THERMOSTATIC EXPANSION VALVE					

NOTE: Dimension are subject to change without any notice because of continuous improvements in products.



AIR COOLED SPLIT AIR CONDITIONER TYPE - INDOOR UNIT - VERTICAL FREE STANDING

INDOOR UNIT (VDT) DUCTED

INDOOR UNIT (AV) FREE AIR DISCHARGE

MODELS	Indoor Unit	AS51AV/VDT	AS84A/VDT	AS97AV/VDT	AS103AV/VDT	AS119AV/VDT	AS168AV/VDT
	Outdoor Unit	AS51A	AS84A	AS97A	AS103A	AS119A	AS168A
NOM. COOLING CAPACITY	BTU/hr	51800	84390	97000	103600	119000	168780
	Kcal/hr	13047	21256	24433	26095	29974	42513
	Tons	4.31	7.00	8.00	8.63	9.92	14.07

INDOOR UNIT

AIR FLOW RATE	M3/Min	52.39	70.80	96.27	96.25	121.77	161.42
	ft3/Min	1850	2500	3400	3400	4300	5700
FAN MOTOR	KW	0.4	0.75	1.5	1.5	1.5	2.3
DIMENSION (INCH)	H	65	65	65	65	72.5	72.5
	W	40	50	50	50	50	50
	D	14	14	14	14	18.5	18.5
MACHINE WEIGHT (Approx.)	Kg/lb	145 / 319	150 / 330	175 / 385	175 / 385	200 / 440	280 / 560

OUTDOOR UNIT

COMPRESSOR	Type	HERMETIC SCROLL					
	Refrigerant	R - 22 / R 407C					
	Charge (Kg/lb)	3.9 / 8.58	6 / 13.2	8 / 17.6	3.9x2/8.58x2	9 / 19.8	6x2/13.2x2
	Power Supply	380 / 415 V - 3Ph - 50 Hz					
	Horse Power x Qty.	5 x 1	7.5 x 1	10 x 1	5 x 2	12 x 1	7.5 x 2
CONDENSER MOTOR	Type	PROPELLER TYPE DIRECT DRIVEN					
	Qty	1	1	1	2	1	2
	Motor HP	1 / 2	1 / 2	1 / 2	1 / 2	1	1 / 2
DIMENSION (INCH)	H	27.5	39.5	39.5	39.5	39.5	51.5
	W	37	48	48	48	64	64
	D	42	48	48	48	48	48
MACHINE WEIGHT	Kg/lb	210 / 462	260 / 572	363 / 385	363 / 385	400 / 880	420 / 924

PIPING CONNECTIONS

LIQUID LINE	(Inch/mm)	0.5 / 12.7	0.5 / 12.7	0.63 / 15.9	0.5 / 12.7	0.75 / 19	0.5 / 12.7
SUCTION LINE	(Inch/mm)	0.75 / 19	0.88 / 22.4	1.13 / 28.6	0.75 / 19	12.5 / 31.75	0.88 / 22.4
DRAIN PIPE	(Inch/mm)	0.75 / 19	0.75 / 19	0.75 / 19	0.75 / 19	0.75 / 19	0.75 / 19
REFRIGERANT CONTROL		Capillary	THERMOSTATIC EXPANSION VALVE	Capillary	THERMOSTATIC EXPANSION VALVE		

MODELS	Indoor Unit	AS194AV/VDT	AS238AV/VDT	AS291AV/VDT	AS357AV/VDT	AS388AV/VDT	AS476AV/VDT
	Outdoor Unit	AS194A	AS238A	AS291A	AS357A	AS388A	AS476A
NOM. COOLING CAPACITY	BTU/hr	194000	238000	291000	357000	388000	476000
	Kcal/hr	48866	59950	73300	89924	97733	119899
	Tons	16.17	19.83	24.25	29.75	32.33	39.67

INDOOR UNIT

AIR FLOW RATE	M3/Min	192.54	243.5	288.8	365.25	385	453
	ft3/Min	6800	8600	10200	12900	13600	16000
FAN MOTOR	KW	3.0	3.0	4.5	4.5	6.0	6.0
DIMENSION (INCH)	H	65	65	80	80	80	80
	W	55	55	80	80	100	100
	D	34	34	43	43	43	43
MACHINE WEIGHT (Approx.)	Kg/lb	290 / 638	320 / 704	380 / 836	470 / 1036	480	550/1210

OUTDOOR UNIT

COMPRESSOR	Type	HERMETIC SCROLL					
	Refrigerant	R - 22 / R 407C					
	Charge (Kg/lb)	8x2/17.6x2	9x2/19.8x2	8x3/17.6x3	9x3/19.8x3	8x4/17.4x4	9x4/19.3x4
	Power Supply	380 / 415 V - 3Ph - 50 Hz					
	Horse Power x Qty.	10 x 2	12 x 2	10 x 3	12 x 3	10 x 4	12 x 4
CONDENSER MOTOR	Type	PROPELLER TYPE DIRECT DRIVEN					
	Qty	2	2	3	3	4	4
	Motor HP	1 / 2	1	1 / 2	1	1 / 2	1
DIMENSION (INCH)	H	51.5	51.5	51.5	51.5	51.5	51.5
	W	64	64	64	64	64	64
	D	48	84	84	63.5	125	150
MACHINE WEIGHT	Kg/lb	450 / 1430	700 / 1540	800 / 1760	960 / 2116	1150 / 2530	1150 / 2530

PIPING CONNECTIONS

LIQUID LINE	(Inch/mm)	0.63 / 15.9	0.75 / 19	0.63 / 15.9	0.75 / 19	0.63 / 15.9	0.75 / 19
SUCTION LINE	(Inch/mm)	1.13 / 28.6	12.5 / 31.75	1.13 / 28.6	1.25 / 31.75	1.13 / 28.6	1.25 / 31.75
DRAIN PIPE	(Inch/mm)	0.75 / 19	0.75 / 19	1.0 / 25.4	1.0 / 25.4	1.0 / 25.4	1.0 / 25.4
REFRIGERANT CONTROL						THERMOSTATIC EXPANSION VALVE	

NOTE: Dimension are subject to change without any notice because of continuous improvements in products.



AIR COOLED SELF CONTAINED PACKAGE AIR CONDITIONERS



MODELS		AC51A	AC84A	AC97A	AC103A	AC119A	AC168A
NOM. COOLING CAPACITY	BTU/hr	51800	84390	97000	103600	119000	168780
	Kcal/hr	13047	21256	24433	26095	29974	42513
	Tons	4.31	7.00	8.00	8.63	9.92	14.07
ELECTRIC SUPPLY		380 / 415 V - 3Ph - 50 Hz					
COMPRESSORS	Type	HERMETIC SCROLL					
	Qty	1	1	1	2	1	2
	HP	5	7.5	10	5	12	7.5
	Input (Kw) each	3.7	6.0	7.5	3.7	9.0	6.0
CONDENSER FAN MOTOR	Type	PROPELLER TYPE DIRECT DRIVEN					
	Qty	1	1	1	2	1	2
	Motor Hp	1/2	1/2	1/2	1/2	1	1/2
EVAPORATOR BLOWER	Type	FORWARD CURVED CENTRIFUGAL					
	CFM	1850	2500	3400	3400	4300	5700
	E.S.P (in of wt.)	0.3 - 0.5	0.3 - 0.5	0.3 - 0.5	0.3 - 0.5	0.3 - 0.5	0.3 - 0.5
	Hp	0.5	1.0	2.0	2.0	3.0	3.0
	Input KW	0.39	0.75	1.5	1.5	2.3	2.3
REFRIGERANT	Type	R - 22 / R-407 C					
	Wt. (Kg.)	3.9	6	8	3.9 x 2	9	6.0 x 2
DUCT CONNECTIONS	Supply (inch)	9 x 40	9 x 30	9 x 40	9 x 40	15 x 45	15 x 45
	Return (inch)	11.5 x 40	23.5 x 30	23.5 x 40	23.5 x 40	23.5 x 45	35.5 x 45
DRAIN CONNECTION	Inch	3 / 4	3 / 4	3 / 4	3 / 4	3 / 4	3 / 4
MACHINE WEIGHT	Kg	355	410	538	538	600	620
UNIT DIMENSION	H	30.5	42.5	42.5	42.5	52.5	60.5
	W	48	48	48	48	64.5	64
	D	62	76	76	76	82	82

MODELS		AC194A	AC238A	AC291A	AC357A	AC388A	AC476A
NOM. COOLING CAPACITY	BTU/hr	194000	238000	291000	357000	388000	476000
	Kcal/hr	48866	59950	73300	89924	97733	119899
	Tons	16.17	19.83	24.25	29.75	32.33	39.67
ELECTRIC SUPPLY		380 / 415 V - 3Ph - 50 Hz					
COMPRESSORS	Type	HERMETIC SCROLL					
	Qty	2	2	3	3	4	4
	HP	10	12	10	12	10	12
	Input (Kw) each	7.5	9.0	7.5	9.0	7.5	9.0
CONDENSER FAN MOTOR	Type	PROPELLER TYPE DIRECT DRIVEN					
	Qty	2	2	3	3	4	4
	Motor Hp	1/2	1	1/2	1	1/2	1
EVAPORATOR BLOWER	Type	FORWARD CURVED CENTRIFUGAL					
	CFM	7100	8600	9200	12400	13600	16000
	E.S.P (in of wt.)	0.5 - 1.0	1-1/5	1-1/5	1-1/5	1-1/5	1-1/5
	Hp	5.0	5.0	7.5	7.5	10.0	10.0
	Input KW	3.7	3.7	5.6	5.6	7.5	7.5
REFRIGERANT	Type	R - 22 / R-407 C					
	Wt. (Kg.)	8.0 X 2	9 X 2	8 X 3	9 x 3	8 x 4	9 x 4
DUCT CONNECTIONS	Supply (inch)	15 x 55	15 x 55	20 x 24	(20.5X24.5)2	(20.5X24.5)2	(20.5X24.5)2
	Return (inch)	35.5 x 55	47.5 x 55	48 x 50	48 x 70	48 x 70	48 x 70
DRAIN CONNECTION	Inch	3 / 4	3 / 4	3 / 4	3 / 4	3 / 4	3 / 4
MACHINE WEIGHT	Kg	641	1030	1180	1400	1600	1800
UNIT DIMENSION	H	60.5	68.5	56	56	56	56
	W	64	64	64	90	90	90
	D	82	120	134	150	150	170

NOTE: Nominal cooling capacity based on 80°F (26.8°C) DB and 67°F(19.4°C) WB Air on Evaporator and 95°F (35°C) Air on Condenser 45°F Saturated Suction Temperature.