



For Those Who Prefer the Quality, We Manufacture



**AIR COOLED
PACKAGE
WATER CHILLER**



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AIR COOLED PACKAGE WATER CHILLER

Having Air Cooled Condensers Provide Chilled Water for all commercial / Industrial Air conditioning applications, Such as Hotels, Motels, Multi Story Buildings, Shopping Arcades, Office Buildings, Hospitals & Clinics etc. with the combination of our PETAL



MODELS		A51WC	A84WC	A97WC	A103WC	A119WC	A168WC	A194WC	A238WC
NOM. COOLING CAPACITY	BTU/hr	51800	84390	97000	103600	119000	168780	194000	238000
	Kcal/hr	13047	21256	24433	26095	29974	42513	48866	59950
	Tons	4.31	7.00	8.00	8.63	9.92	14.07	16.17	19.83
ELECTRIC SUPPLY	380 / 415 V - 3Ph - 50 Hz								
COMPRESSORS	Type	HERMETIC SCROLL							
	Qty	1	1	1	2	1	2	2	2
	HP	5	7.5	10	5	12	7.5	10	12
	Input (Kw) each	3.7	6.0	7.5	3.7	9.0	6.0	7.5	9.0
CONDENSER FAN MOTOR	Type	PROPELLER TYPE DIRECT DRIVEN							
	Qty	1	1	1	2	1	2	2	2
	Motor HP	1/2	1/2	1/2	1/2	1	1/2	1/2	1
EVAPORATOR	Type	SHELL & TUBE (DX)							
	Water Flow Rate (Gpm)	10.3	16.8	19.2	20.7	23.04	33.77	39.08	47.59
	Conn. (Inch)	1.25	1.25	1.25	1.25	1.5	1.5	2	2
REFRIGERANT	Type	R - 22 / R-407C							
	Wt. (Kg)	3.9	6	8	3.9 x 2	9	6.0 x 2	8 x 2	9 x 2
CIRCUITS		1	1	1	2	1	2	2	2
MACHINE WEIGHT	Kg	220	245	410	415	445	470	605	680
UNIT DIMENSION	H	42	42.5	42.5	42.5	42.5	51.5	51.5	51.5
	W	38	54	54	54	64	64	64	64
	D	50	64	64	64	64	82	72	92

MODELS		A291WC	A357WC	A388WC	A476WC	A582WC	A713WC	A775WC	A951WC
NOM. COOLING CAPACITY	BTU/hr	291000	357000	388000	476000	582000	713520	775680	951840
	Kcal/hr	73300	89924	97733	119899	146600	179848	195385	239758
	Tons	24.25	29.75	32.33	39.66	48.50	59.46	64.64	79.32
ELECTRIC SUPPLY	380 / 415 V - 3Ph - 50 Hz								
COMPRESSORS	Type	HERMETIC SCROLL							
	Qty	3	3	4	4	6	6	8	8
	HP	10	12	10	12	10	12	10	12
	Input (Kw) each	7.5	9.0	7.5	9.0	7.5	9.0	7.5	9.0
CONDENSER FAN MOTOR	Type	PROPELLER TYPE DIRECT DRIVEN							
	Qty	3	3	4	4	6	6	8	8
	Motor HP	1/2	1	1/2	1	1/2	1	1/2	1
EVAPORATOR	Type	SHELL & TUBE (DX)							
	Water Flow Rate (Gpm)	58.2	71.4	77.5	95.2	116	143	154	190
	Conn. (Inch)	2.5	3	3	3	3	4	4	4
REFRIGERANT	Type	R - 22 / R-407C							
	Wt. (Kg)	8 x 3	9 x 3	8 x 4	9 x 4	8 x 6	9 x 6	8 x 8	9 x 8
CIRCUITS		3	3	4	4	6	6	8	8
MACHINE WEIGHT	Kg	710	760	780	800	800	1200	1400	1600
UNIT DIMENSION	H	51.5	85	85	85	85	85	85	85
	W	64	66	66	66	66	66	66	66
	D	94	96	96	120	180	180	200	240

NOTE: Nominal Cooling Capacity is based on following conditions:
 Entering Chilled water Temperature 12.7°C (55°F) and leaving temperature 7.2°C (45°F)
 Specification are subject to change without any notice in view of continuous improvements in the products.

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

WATER COOLED PACKAGE WATER CHILLER

Having Water Cooled Condensers Provide Chilled Water for all commercial / Industrial Air conditioning applications, Such as Hotels, Motels, Multi Story Buildings, Shopping Arcades, Office Buildings, Hospitals & Clinics etc. with the combination of our PETAL Air Handling



MODELS		W53WC	W86WC	W99WC	W106WC	W122WC	W173WC
NOM. COOLING CAPACITY	BTU/hr	53354	86922	99910	106708	122570	173843
	Kcal/hr	13439	21895	25166	26879	30870	43789
	Tons	4.45	7.24	8.32	8.89	10.21	14.49
ELECTRIC SUPPLY		380 / 415 V - 3Ph - 50 Hz					
COMPRESSORS	Type	HERMETIC SCROLL					
	Qty	1	1	1	2	1	2
	HP	5	8	10	5	12	8
	Input (Kw) each	3.7	6.0	7.5	3.7	9.0	6.0
CONDENSER	Type	SHELL & TUBE					
	Water Flow Rate (Gpm)	13.8	22	25	27	30.6	44
	Conn. (Inch)	1.25	1.5	1.5	1.5	2.0	2
EVAPORATOR	Type	SHELL & TUBE (DX)					
	Water Flow Rate (Gpm)	11	17.4	20	21.5	24.5	34.78
	Conn. (Inch)	1.25	1.25	1.25	1.5	1.5	1.5
REFRIGERANT	Type	R - 22 / R - 407 C					
	Wt. (Kg)	3.9	6	8	3.9 X 2	9	6 X 2
CIRCUITS		1	1	1	2	1	2
MACHINE WEIGHT	Kg	222	255	240	415	461	476
UNIT DIMENSION	H	40	40	40	40	65	50
	W	22	22	25	25	23	25
	D	49	49	52	52	50	52

MODELS		W199WC	W245WC	W299WC	W367WC	W408WC	W490WC
NOM. COOLING CAPACITY	BTU/hr	199820	245140	299730	367710	408000	490280
	Kcal/hr	50333	61748	75499	100665	102770	123496
	Tons	16.65	20.43	24.98	30.64	34	40.86
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	Type	SHELL & TUBE					
	Water Flow Rate (Gpm)	50	61.29	75	92	102	122.6
	Conn. (Inch)	2	2.5	3	3	3	3
EVAPORATOR	Type	SHELL & TUBE (DX)					
	Water Flow Rate (Gpm)	40	49	60	73.5	81.6	98.1
	Conn. (Inch)	2	2	2.5	2.5	3	3
REFRIGERANT	Type	R - 22 / R - 407 C					
	Wt. (Kg)						
CIRCUITS		2	2	3	3	4	4
MACHINE WEIGHT	Kg	615	692	715	725	775	800
UNIT DIMENSION	H	55	55	55	55	67	70
	W	25	25	28	28	28	28
	D	52	52	61	61	61	61

NOTE: Nominal Cooling Capacity is based on following conditions:

Entering Chilled water Temperature 12.7°C (55°F) and leaving temperature 7.2°C (45°F)

Condenser water Temperature 29°C (85°F) and leaving water temperature 35°C (95°F)

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PETAL CHILLED WATER FAN COIL UNITS

Fan Coil Units will be complete with heat exchange coil, motor, blowers, filters wire/wireless thermostat & three way motorized valve complete in all respect.



CEILING SUSPENDED (DECORATIVE)

MODELS		CS-400	CS-600	CS-800	CS-1000	CS-1200	CS-1600
NOM. COOLING CAPACITY	BTU/hr	12000	18000	24000	30000	36000	48000
	Tons	1.0	1.5	2.0	2.5	3.0	4.0
WATER FLOW RATE (GPM)		2.4	3.6	4.8	6.0	7.2	9.6
COIL FACE AREA	Ft ²	1.38	1.95	2.5	3.0	3.33	3.75
	Rows	4	3	4	4	4	4
DRAIN CONNECTIONS		1 / 2	1 / 2	1 / 2	1 / 2	1 / 2	1 / 2
CONNECTIONS WATER IN / OUT		1 / 2	5 / 8	5 / 8	3 / 4	7 / 8	7 / 8
POWER SUPPLY		220 V - 1 Ph - 50 Hz					
MOTOR	Nos.	1	1	1	1	2	2
	Watts	55	70	80	110	70	80
DIMENSIONS (INCH)		L x W x H	28 x 25.5 x 10	41 x 25.5 x 10	41 x 25.5 x 10	54 x 25.5 x 10	54 x 25.5 x 10
WEIGHT		Kg	22	28	32	38	45

CEILING CONCEALED (WITH / WITHOUT PLENUM)

MODELS		CC/CCA-400	CC/CCA-600	CC/CCA-800	CC/CCA-1000	CC/CCA-1200	CC/CCA-1600
NOM. COOLING CAPACITY	BTU/hr	12000	18000	24000	30000	36000	48000
	Tons	1.0	1.5	2.0	2.5	3.0	4.0
WATER FLOW RATE (GPM)		2.4	3.6	4.8	6.0	7.2	9.6
COIL FACE AREA	Ft ²	1.38	1.95	1.95	3.0	3.30	3.75
	Rows	4	3	4	4	4	4
DRAIN CONNECTIONS		1 / 2	1 / 2	1 / 2	1 / 2	1 / 2	1 / 2
CONNECTIONS WATER IN / OUT		1 / 2	5 / 8	5 / 8	3 / 4	3 / 4	7 / 8
POWER SUPPLY		220 V - 1 Ph - 50 Hz					
MOTOR	Nos.	1	1	1	1	2	2
	Watts	75	93	93	93	125	373
DIMENSIONS (INCH)		L x W x H	35 x 26 x 10	45 x 30.5 x 10	45 x 30.5 x 10	55 x 30.5 x 10	45 x 30.5 x 14
WEIGHT		Kg	40	60	70	90	100

WALL MOUNTED / FLOOR STANDING (DECORATIVE)

MODELS		W-400	W-600	W-800	FV-1600	FV-2000	
TYPE		WALL MOUNTED			FLOOR MOUNTED		
NOM. COOLING CAPACITY	BTU/hr	12000	18000	24000	48000	60000	
	Tons	1.0	1.5	2.0	4.0	5.0	
WATER FLOW RATE (GPM)		2.4	3.6	4.8	9.6	12.0	
COIL FACE AREA	Ft ²	2.04	2.04	2.43	4.00	4.75	
	Rows	3	3	3	4	4	
DRAIN CONNECTIONS		1 / 2	1 / 2	1 / 2	1 / 2	1 / 2	
CONNECTIONS WATER IN / OUT		1 / 2	5 / 8	5 / 8	7 / 8	1	
POWER SUPPLY		220 V - 1 Ph - 50 Hz					
MOTOR	Nos.	1	1	1	1	1	
	Watts	55	70	80	110	140	
DIMENSIONS (INCH)		L x W x H	35 x 28 x 10	45 x 28 x 10	45 x 28 x 10	70 x 28 x 10	
WEIGHT		Kg	22	28	32	38	