

Water Cooled Packaged Units DPWC SERIES

With Hermetic Compressors
(12000 - 310000) BTU/H



**DEVELOPED REFRIGERATION & AIR
CONDITIONING INDUSTRIES EQUIPMENT
CO. [DRIC]**



Water Cooled Packaged Unit

GENERAL DATA

MODEL		[DPWC]	12	15	20	25	30	36	48	60
Cooling Capacity		(Btu/Hr)	12000	15000	19000	25000	30000	36000	48000	58000
Power Supply		(Volt/Ph/Hz)	220-240/1/50					380 -420/3/50		
Control Voltage			220							
Unit Casing			Galvanized Steel Without Paint							
Compressor			Hermetically Sealed, Reciprocating							
No.			1							
Grade of Oil			3 GS Or Equivalent							
Refrigerant Circuit:										
No.			1							
Refrigerant			R-22							
Control			Expansion Device							
Condenser Side:										
Type			Tube & Tube							
Inlet/Outlet Water Conn. Diameter Size		(Inch)	3/4	3/4	1	1	1	1	1	1
Evaporator side:										
Coil			Copper Tubes, Aluminum Fins							
No. of Rows			2	2	3	4	3	3	3	4
No. Of Fins			10							
Face		(Ft ²)	2	2	2.5	2.5	3	3.5	4.2	4.2
Tube Diameter		(Inch)	3/8							
Fan			Double Inlet Forward Curved Centrifugal, -3Speed							
No.			1							
Transmission			Direct Drive							
Total Air Flow Rate		(CFM)	400	500	600	800	1000	1200	1600	1800
Fan Motor :										
Type			Split Capacitor							
No.			1							
Drain Connection Size		(Inch)	3/4					1		
Air Filter										
Type			Aluminum Mesh							
Thickness		(Inch)	1.0							
Dimensions	Length	(cm)	75	75	75	75	75	75	80	80
	Width		110	110	110	110	120	120	130	135
	Height		47	47	50	50	50	55	60	60
Operating Weight (Approx.)		(Kg)								
Ducted Concealed Type			60	68	71	75	80	90	100	120
Free Stand Ducted Supply Type			55	65	65	70	75	85	90	110

Models & Specifications are subject to change without prior notice

- Cooling Capacity Data based on:**

1- Air on Coil Dry Bulb / Wet Bulb Temp. : 80/57 °F/°F.

2- Condensing Water Temp :85 °F.

Water Cooled Packaged Unit

GENERAL DATA

MODEL		[DPWC]	75	90	120	140	180	210	240	310
Cooling Capacity		(Btu/Hr)	78000	88000	119000	140000	186000	215000	246300	310000
Power Supply		(Volt/Ph/Hz)	380 -420/3/50							
Control Voltage			220							
Unit Casing			Galvanized Steel Without Paint							
Compressor			Hermetically Sealed, Reciprocating							
No.			1	1	1	1	2	2	2	2
Grade of Oil			3 GS Or Equivalent							
Refrigerant Circuit:										
No.			1				2			
Refrigerant			R-22							
Control			Expansion Device							
Condenser Side:										
Type			Shell & Tube							
Inlet/Outlet Water Conn. Diameter Size		(Inch)	1	1 ½	1 ½	1 ½	2	2	3	3
Evaporator side:										
Coil			Copper Tubes, Aluminum Fins							
No. of Rows			4							
No. Of Fins			10							
Face Area		(F12)	5.2	6.2	7.9	10	12.5	15	18	20
Tube Diameter		(Inch)	3/8							
Fan			Double Inlet Double Width, Forward Curved Centrifugal, Single Speed							
No.			1			2				
Transmission			Belt Drive							
Total Air Flow Rate		(CFM)	2300	3000	3200	4100	5600	6000	7300	9600
Fan Motor :										
Type			Induction -TEFC-IP54-Class F Insulation							
No.			1							
Drain Connection Size		(Inch)	1							
Air Filter										
Type			Aluminum Mesh							
Thickness			1.0							
Dimensions	Length	(cm)	105	105	110	110	120	130	130	130
	Width		180	220	220	250	250	300	325	325
	Height		75	75	80	95	95	125	125	135
Operating Weight (Approx.)		(Kg)								
Ducted Concealed Type			175	195	250	275	300	350	375	400
Free Stand Ducted Supply Type			165	185	240	265	290	340	360	390

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• Cooling Capacity Data based on:

1- Air on Coil Dry Bulb / Wet Bulb Temp. : 80/57 °F/°F.

2- Condensing Water Temp :85 °F.



List Of Products

Equipment Description	Capacity Range	Series
Air cooled Water Chillers with: • Hermetic Scroll Compressors • Semi Hermetic Screw compressors • Semi Hermetic Reciprocating compressors	(05 – 100) T.R (50 – 375) T.R (15 – 240) T.R	DWAC DASC-S DASC-R
Ducted Split Units with Hermetic Compressor: (Air Cooled & Water Cooled Condenser)	(03 – 60) T.R	DSA / DCM
Package Units: • Air Cooled Condenser • Water Cooled Condenser	(01 – 109) T.R (01 – 25) T.R	DPAC DPWC
Free Stand DX. Units	(05 – 27) T.R	DSA / DFS
Air Handling Units	(1200 – 45000) CFM	DCM/DAH
Fan Coil Units: • Chilled Water – Low Static • Chilled Water – High Static	(250 _ 1200) CFM (600 – 2400) CFM	DLAC DHAC
Cooling Towers	(025 – 1000) T.R	DCTA
Cooling Units for Elec. & Control Panel	(1/4 - 03) HP	DACP
Drinking Water Coolers	(45 – 1000) liter/hr	DRIC

Developed Refrigeration & Air Conditioning Industries Equipment Co. [DRIC]

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