

# AIR COOLED PACKAGE UNIT

With Hermetic Compressor

( 3 - 109 ) T.R.

**DPAC SERIES**



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



## SPECIFICATIONS OF AIR COOLED PACKAGE UNIT

- 👉 Refrigerant: R22, R134a, R407C , 410a.
- 👉 Hermetic or semi-hermetic compressors.
- 👉 Condenser section:
  - copper tube / aluminum fins coil
  - Axial fan.
- 👉 Evaporator section:
  - copper tube / aluminum fins coil
  - Forward curved centrifugal fan.
  - Aluminum Flat filter (1" thickness).
  - Belt driven centrifugal fan
  - Double Skin insulated with 2" Fiberglass or Polyurethane
  - Galvanized Steel Drain Pan.
- 👉 The unit is fully charged with refrigerant.
- 👉 The control unit is a complete electricity panel isolated & supplied with operating control
- 👉 Galvanized steel with electrostatic powder painting.
- 👉 Suitable for Schools, Theaters, Sporting Halls, residential building , Manufacturing Facilities etc.
- 👉 Cooling capacity range: 3 – 109 T.R.

### Options:

- ⚙️ Hygienic (Aluminum Frame) Suitable for Clean Rooms.
- ⚙️ Copper tube / Coated aluminum fins coil.
- ⚙️ Plug fan.
- ⚙️ Electric Heaters.
- ⚙️ Heating coil.
- ⚙️ Stainless-steel Drain Pan.
- ⚙️ Bag filter.
- ⚙️ HEPA filter.
- ⚙️ Mixing box with dampers.
- ⚙️ Inverter.

# AIR COOLED PACKAGE UNIT

MODEL (DPAC)		36	48	60	85	120	150	180
COOLING CAPACITY	(Btu/Hr)	36000	48000	60000	84000	120000	144000	180000
	(TR)	3	4	5	7	10	12	15
Power Supply (Volt /Ph / Hz)		380/3/50						
Total Power Input	(KW)	6	7	10	11	14	17	19
Unit Casing		Heavy Gauge Galvanized steel with Electrostatic Powder Paint						
Compressor		Scroll Hermetically sealed Type						
No. Of Compressors		1	1	1	1	1	1	1
Refrigeration Circuit No.		1	1	1	1	1	1	1
Refrigerant		R - 22						
Control		Thermostatic Expansion Valve						
Condenser Side:								
No. of Rows		4	4	4	4	4	3	4
No. Of Fins		12						
Face Area	(Ft²)	5.5	7.5	7.5	11	15.5	17.2	17.2
Condenser Fan		Propeller (Axial)						
Drive Type		Direct Drive						
Total Air Flow Rate	(cfm)	3000	4000	4200	5700	8800	10550	10550
Coil		Copper Tubes And Aluminum Fins						
Evaporator side:								
No. of Rows		4						
No. Of Fins		10						
Face Area (ft²)		3	3.2	4	5.5	7.6	10.2	12.5
Fan		Forward Curved Centrifugal						
Transmission		Direct Drive			Belt Drive			
Total Air Flow Rate	(cfm)	1260	1600	2200	2800	4200	4800	6000
Fan Motor		380v/3ph/50Hz						
TYPE		Split Capacitor						
NO.		1						
Dimensions (cm)	Length	150	150	170	175	190	200	200
	Width	110	110	110	125	160	180	220
	Height	145	145	160	165	170	180	190
Weight (Approx.)	(Kg)	400	400	400	500	500	620	620

- Coil of evaporator &condenser : Copper tube and aluminum fins.
- Coil tube diameter of evaporator & condenser 3/8”
- Data above based on: (Ambient 35°C) (DB: 27°C and WB : 19°C ) ( External static pressure = 1 INWG).
- Available upon request : refrigerant R-407c & R-134a .
- Filter thickness of aluminum flat filter is 1” for models up to DPAC 60 .And 2”for models above DPAC 60.

Models &Specifications are subject to change without prior notice



# AIR COOLED PACKAGE UNIT

MODEL (DPAC)		240	280	330	410	500	550	650
COOLING CAPACITY	(Btu/Hr)	234000	272400	320400	412800	483600	544800	654000
	(TR)	20	23	27	35	41	46	55
Power Supply (Volt /Ph / Hz)		380/3/50						
Total Power Input (KW)		24	35	38	48	57	65	73
Unit Casing		Heavy Gauge Galvanized steel with Electrostatic Powder Paint						
Compressor		Scroll Hermetically sealed Type						
No. Of Compressors		2	2	2	3	3	4	4
Refrigeration Circuit No.		2	2	2	3	3	4	4
Refrigerant		R - 22						
Control		Thermostatic Expansion Valve						
Condenser Side:								
No. of Rows		4	3	4	3	4	3	4
No. Of Fins		12						
Face Area (Ft²)		30	36	36	53	53	71	71
Condenser Fan		Propeller (Axial)						
Drive Type		Direct Drive						
Total Air Flow Rate (cfm)		17600	21150	21150	31750	31750	42300	42300
Coil		Copper Tubes And Aluminum Fins						
Evaporator side:								
No. of Rows		4						
No. Of Fins		10						
Face Area (Ft²)		17.5	18.5	21	26	30	33	40
Fan		Forward Curved Centrifugal						
Transmission		Belt Drive						
Total Air Flow Rate (cfm)		8000	8700	9700	12250	14500	16200	20000
Fan Motor		380v/3ph/50Hz						
TYPE		Split Capacitor						
NO.		1						
Dimensions (cm)	Length	240	275	275	285	320	340	340
	Width	220	230	230	230	235	235	235
	Height	200	220	220	220	235	235	235
Weight (Approx.) (Kg)		700	750	950	1000	1200	1350	1500

- Coil of evaporator &condenser : Copper tube and aluminum fins.
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- Available upon request : refrigerant R-407c & R-134a .
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# AIR COOLED PACKAGE UNIT

MODEL (DPAC)		720	840	900		960	1080	1200		1320
COOLING CAPACITY	(Btu/Hr)	710400	835200	899100		961200	1079775	1191600		1308000
	(TR)	60	70	75		80	90	100		109
Power Supply (Volt /Ph / Hz)		380/3/50								
Unit Casing		Heavy Gauge Galvanized steel with Electrostatic Powder Paint								
Total Power Input	(KW)	70	104	101		109	130	137		144
Compressor		Scroll Hermetically sealed Type								
No. Of Compressors		6	6	3	3	6	8	4	4	8
Refrigeration Circuit No.		6	6	6		6	8	8		8
Refrigerant		R - 22								
Control		Thermostatic Expansion Valve								
Condenser Side:										
No. of Rows		4	3	4	3	4	3	4	3	4
No. Of Fins		12								
Face Area	(Ft <sup>2</sup> )	88	107	107		107	143	143		143
Condenser Fan		Propeller (Axial)								
Drive Type		Direct Drive								
Total Air Flow Rate	(cfm)	52900	63500	63500		63500	84670	84670		88800
Coil			Copper Tubes And Aluminum Fins							
Evaporator side:										
No. of Rows		4								
No. Of Fins		10								
Face Area	(Ft <sup>2</sup> )	52	54	56		60	64	73		82
Fan		Forward Curved Centrifugal								
Transmission		Belt Drive								
Total Air Flow Rate	(cfm)	24000	25000	26000		28000	31500	35000		38500
Fan Motor		380v/3ph/50Hz								
TYPE		Split Capacitor								
NO.		1								
Dimensions (cm)	Length	365	395	495		495	550	600		650
	Width	235	235	235		235	235	235		235
	Height	235	250	250		250	250	250		250
Weight (Approx.)	(Kg)	1500	1850	2350		2800	3500	3750		4500

- Coil of evaporator & condenser : Copper tube and aluminum fins.
- Coil tube diameter of evaporator & condenser 3/8”
- Data above based on: (Ambient 35°C) (DB: 27°C and WB : 19°C ) ( External static pressure = 1 INWG).
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## List Of Products

Equipment Description	Capacity Range	Series
<b>Air cooled Water Chillers with:</b> <ul style="list-style-type: none"> <li>• Hermetic Scroll Compressors</li> <li>• Semi Hermetic Screw compressors</li> <li>• Semi Hermetic Reciprocating compressors</li> </ul>	( 05 – 100 ) T.R ( 50 – 375 ) T.R ( 15 – 240 ) T.R	<b>DWAC</b> <b>DASC-S</b> <b>DASC-R</b>
<b>Ducted Split Units with Hermetic Compressor:</b> (Air Cooled & Water Cooled Condenser)	( 03 – 60 ) T.R	<b>DSA / DCM</b>
<b>Package Units:</b> <ul style="list-style-type: none"> <li>• Air Cooled Condenser</li> <li>• Water Cooled Condenser</li> </ul>	( 03– 109 ) T.R ( 01 – 26 ) T.R	<b>DPAC</b> <b>DPWC</b>
<b>Free Stand DX. Units</b>	( 05 – 27 ) T.R	<b>DSA / DFS</b>
<b>Air Handling Units</b>	( 1200 – 45000 ) CFM	<b>DCM/DAH</b>
<b>Fan Coil Units:</b> <ul style="list-style-type: none"> <li>• Chilled Water – Low Static</li> <li>• Chilled Water – High Static</li> </ul>	( 250 _ 1200 ) CFM ( 600 – 2400 ) CFM	<b>DLAC</b> <b>DHAC</b>
<b>Cooling Towers</b>	( 025 – 1000 ) T.R	<b>DCTA</b>
<b>Cooling Units for Elec. &amp; Control Panel</b>	( 1/4 - 03 ) HP	<b>DACP</b>
<b>Drinking Water Coolers</b>	(45 – 1000 ) liter/hr	<b>DRIC</b>

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