

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.

GENERAL DATA

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	1
Refrigeration Circuit No.	1	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 (Ft ²)	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 (ft ²)	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 (Ft ²)	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 (Ft ²)	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.
- Coil tube diameter of evaporator & condenser 3/8”
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- 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.

GENERAL DATA

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	
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	
No. Of Fins	12								
Face Area	(Ft ²)	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 ²)	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”
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List Of Products

Equipment Description	Capacity Range	Series
Air cooled Water Chillers with: <ul style="list-style-type: none"> • 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: <ul style="list-style-type: none"> • Air Cooled Condenser • Water Cooled Condenser 	(03 – 109) T.R (01 – 26) 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: <ul style="list-style-type: none"> • 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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