

PIONEER®

Air Conditioning & Heat Pump Systems

The "right choice" for those who want the "Best"....

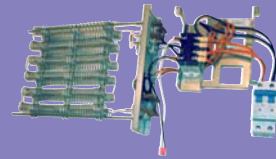
DAC Series (Cool Only)
DYC Series (Heat Pump)
18 SEER - SPECIFICATIONS
DC Inverter, Central Split Systems
(24,000 through 60,000 BTU/Hr.)



AVAILABLE VOLTAGES:
• G : 208-230/1/60 (All)

AVAILABLE REFRIGERANTS:
• F : R410A

OPTIONAL ACCESSORIES:
• UNITARY ELECTRIC HEATERS
• DIGITAL THERMOSTATS



**18 SEER
DC INVERTER**

Indoor Units:
DC024, 036, 048, 060

Outdoor Units (Cool Only):
AD024, 036, 046, 060

Outdoor Units (Heat Pump):
YD024, 036, 046, 060



AHRI CERTIFIED™
www.ahridirectory.org

STANDARD FEATURES (INDOOR UNITS):

- MULTI POSITION (VERTICAL, HORIZONTAL, DOWNFLOW)
- COMPACT AND STANDARDIZED CABINET DESIGN
- HEAVY GAUGE ZINC COATED GALVANIZED STEEL CASING
- DURABLE POLYESTER-URETHANE PAINT
- CLEAN LOOKING LIGHT GRAY COLOR
- HIGH EFFICIENCY ECM FAN MOTOR
- SELF ADJUSTING EXTERNAL STATIC PRESSURE CONTROL
- STANDARD 24 VAC LOW VOLTAGE CONTROL CIRCUITRY
- THERMOSTATIC EXPANSION VALVE
- GROOVED COPPER TUBE, HYDROPHILIC ALUMINUM FIN COIL
- QUIET BUT POWERFUL BLOWER SYSTEM
- FORWARD CURVE CENTRIFUGAL BLOWER WHEEL
- PERMANENTLY LUBRICATED FAN MOTOR WITH BALL BEARINGS
- ELECTRONIC MOTOR CONTROLLER
- RUST FREE CONDENSATE DRAIN PAN
- MULTIPLE POWER AND CONTROL WIRING KNOCKOUTS
- STANDARD 1 INCH FILTER RACK WITH ACCESS DOOR
- OPTIONAL ELECTRIC HEATER KITS IN VARIOUS CAPACITIES
- OPTIONAL DIGITAL PROGRAMMABLE THERMOSTATS
- OPTIONAL UV-DESINFECTATION LIGHTS

STANDARD FEATURES (OUTDOOR UNITS):

- DC INVERTER VARIABLE SPEED HIGH EFFICIENCY DRIVER
- QUIET AND HIGHLY EFFICIENT MAJOR BRAND COMPRESSOR
- HEAVY GAUGE ZINC COATED GALVANIZED STEEL CASING
- DURABLE POLYESTER-URETHANE PAINT
- CLEAN LOOKING LIGHT GRAY COLOR
- HIGH EFFICIENCY PSC (024-036) OR ECM (048-060) FAN MOTOR
- PERMANENTLY LUBRICATED FAN MOTOR WITH BALL BEARINGS
- ALNICO AXIAL FLOW FAN WITH HIGH AIR VOLUME
- STANDARD 24 VAC LOW VOLTAGE CONTROL CIRCUITRY
- PLASTIC COATED WIRE FAN GUARD
- GROOVED COPPER TUBE, HYDROPHILIC ALUMINUM FIN COIL
- WHISPER QUIET OPERATION
- HEAT PUMP MODELS WITH SELF TRAINING DEFROST LOGIC
- ELECTRONIC MOTOR CONTROLLER (048-060 MODELS)
- PEDESTAL TYPE BOTTOM PAN
- FULL LOUVERED CONDENSER COIL GUARD
- SWEAT TYPE BRASS SERVICE VALVES WITH PRESSURE PORTS
- FACTORY CHARGED FOR UP TO 25' LINE SET APPLICATION
- STANDARDIZED CABINET DESIGN ACROSS MODELS
- ENVIRONMENTALLY FRIENDLY R410a REFRIGERANT

PIONEER®
Air Conditioning & Heat Pump Systems

DAC / DYC Series Product Line Up

PARKER DAVIS HVAC SYSTEMS, inc.
2260 NW 102nd, Place, Doral, Florida 33172 - U.S.A.
Tel: (305) 513-4488 - Fax: (305) 513-4499
Web Site: www.pd-hvac.com - email: info@pd-hvac.com

System Model Number			DYC024GMF18RT	DYC036GMF18RT	DYC048GMF18RT	DYC060GMF18RT
Indoor Unit Model Number			DC024GMF18HT2	DC036GMF18HT2	DC048GMF18HT2	DC060GMF18HT2
Outdoor Unit Model Number			YD024GMF18MR2	YD036GMF18MR2	YD048GMF18MR2	YD060GMF18MR2
Cooling	Capacity	Btu/h	24000	34600	47000	57000
	EER	Btu/h.W	11.6	11.6	12	11.2
	SEER	Btu/h.W	17.5	17.5	17.5	17.5
Heating	Capacity	Btu/h	23800	33600	46500	55000
	HSPF	Btu/h.W	9.5	9.5	9.5	9.5
Outdoor Unit Specs						
Compressor	Type		Rotary	Rotary	Rotary	Rotary
	Supplier		Mitsubishi	Mitsubishi	GMCC	GMCC
	RLA		13.5	18.5	23.5	27.2
	LRA		45	45	52	52
Fan Motor	Type		PSC	PSC	DC	DC
	Rated HP		1/8	1/6	1/3	1/3
	Capacitor	uF	6	6	/	/
	Rated RPM	r/min	1075	825	1050	1050
	FLA		0.8	1	2.5	2.5
Outdoor Fan	material		Alnico	Alnico	Alnico	Alnico
	Type		Axial flow	Axial flow	Axial flow	Axial flow
	Diameter	inch	23-5/8	23-5/8	23-5/8	23-5/8
	Height	inch	2-3/4	4-1/2	4-1/2	4-1/2
	Air flow	CFM	2400	2950	4100	4100
Condenser Coil	Number of rows		1	2	2	2
	Tube outside dia	mm(inch)	7(9/32)	7(9/32)	7(9/32)	7(9/32)
Expansion Device						
Electrical Data	Voltage-Phase-Hz	V-Ph-Hz	208/230V-1Ph-60Hz	208/230V-1Ph-60Hz	208/230V-1Ph-60Hz	208/230V-1Ph-60Hz
	Minimum Circuit Ampacity		17.7	24.2	31.9	36.5
	Max. Overcurrent Protection		30	40	50	60
	Min/Max Volts		187 / 253	187 / 253	187 / 253	187 / 253
Outdoor sound level (sound power level)			75	77	79	79
Outdoor unit dimensions	Dimension (W*H*D)	mm	740×633×740	740×633×740	740X843X740	740X843X740
		inch	29-1/8×24-15/16×29-1/8	29-1/8×24-15/16×29-1/8	29-1/8×33-3/16×29-1/8	29-1/8×33-3/16×29-1/8
	Packing (W*H*D)	mm	768X667X768	768X667X768	768X877X768	768X877X768
		inch	30-1/5x26-1/4x30-1/5	30-1/5x26-1/4x30-1/5	30-1/5x34-1/2x30-1/5	30-1/5x34-1/2x30-1/5
	Net/Gross weight	kg	65/69	71/75	91/96	91/96
	lbs	143/152	157/165	201/211	201/211	
Indoor Unit Specs						
Fan Motor	Type		ECM	ECM	ECM	ECM
	Rated HP		1/3	1/2	3/4	3/4
	Rated RPM	r/min	1050	1050	1050	1050
	FLA		2.8	4.1	6.0	6.0
Indoor fan	material		galvanized plate	galvanized plate	galvanized plate	galvanized plate
	Type		centrifugal	centrifugal	centrifugal	centrifugal
	Diameter	inch	10-5/8	11	11	11
	Height	inch	8	10-5/8	10-5/8	10-5/8
Indoor coil	Number of rows		4*2	4*2	4*2	5*2
	Tube outside dia.and type		innergroove tube/7mm	innergroove tube/7mm	innergroove tube/7mm	innergroove tube/7mm
	Fin spacing /thickness/t	mm/mm	1.6/0.095/hydrophilic aluminium	1.6/0.095/hydrophilic aluminium	1.6/0.095/hydrophilic aluminium	1.6/0.095/hydrophilic aluminium
	Tube pitch(a)x row pitch	mm	13.37/21	13.37/21	13.37/21	13.37/21
Indoor limit value of static pressure and air flow		Pa/CFM	25/800	37.5/1180	50/1560	50/1700
Indoor sound level (sound power level)		dB(A)	63	65	67	68
Throttle type	Throttle type		TXV TR6	TXV TR6	TXV TR6	TXV TR6
	Model		3TR	3TR	4TR	5TR
Electrical Data	Voltage-Phase-Hz	V-Ph-Hz	208/230V 1Ph 60Hz	208/230V 1Ph 60Hz	208/230V 1Ph 60Hz	208/230V 1Ph 60Hz
	Minimum Circuit Ampacity		3.5	5.1	7.5	7.5
	Max. Overcurrent Protection		15	15	15	15
	Min/Max Volts		187 / 253	187 / 253	187 / 253	187 / 253
Indoor unit	Dimension (W*H*D)	mm	500*550*1180	560*1385*610	560*1385*610	560*1385*610
		inch	19-5/8"x46-1/2"x21-5/8"	22"x54-1/2"x24"	22"x54-1/2"x24"	22"x54-1/2"x24"
	Packing (W*H*D)	mm	644*1205*567	704*1410*627	704*1410*627	704*1410*627
		inch	22-5/8"x47-3/4"x22-5/8"	25"x55-3/4"x27-5/8"	25"x55-3/4"x27-5/8"	25"x55-3/4"x27-5/8"
	Net/Gross weight	kg	54/60	74/82	74/82	77/85
	lbs	119/132	161/178	162/180	170/188	
Refrigerant system	Liquid side/ Gas side	inch	3/8 / 3/4	3/8 / 3/4	3/8 / 7/8	3/8 / 7/8
	Factory charge R410A	oz	85	114	159	166
Operating temperatures		°F	5--118	5--118	5--118	5--118
Maximum line length		Feet	100	100	100	100
Maximum elevation difference		Feet	50	50	50	50
Refrigerant piping Liquid side/ Gas side		inch	3/8 3/4	3/8 3/4	3/8 7/8	3/8 7/8

Specification and data listed herein are subject to change without notice due to constant product and engineering improvements. Always refer to the equipment nameplate for applicable exact information.
Ratings are based laboratory tests, performed in accordance with the applicable AHRI Standards.