

# Ducted Central Split AC Heat Pump Systems



*For those who only want the BEST*



## TECHNICAL SPECIFICATIONS

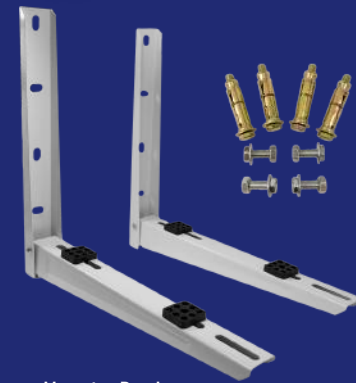
- 17.5~18 SEER Ultra High Efficiency
- DC Inverter + Heat Pump in One System
- Single AHU (24,000 ~ 56,000 BTU/hr)
- 208V~230V, 60Hz, 1Ph

## STANDARD FEATURES

- Multi-position (Vertical, Horizontal, Downflow)
- Compact And Standardized Cabinet Design
- Heavy-Gauge Zinc-Coated Galvanized-Steel Casing
- Durable Polyester-Urethane Paint
- Clean Looking Dark 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 And 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-Disinfection Lights

- Modern Horizontal Small-Footprint Design
- 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 White Color
- High Efficiency ECM Fan Motors
- Permanently Lubricated Fan Motor with Ball Bearings
- Skewed Plastic Axial 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
- Led Diagnostics Display
- Wire 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

## ACCESSORIES & OPTIONS



Mounting Brackets



Surge Protection



Vibration Absorbers



Floor Mounting Base Kit

System Model Number			DYR1824GMFI18R	DYR3036GMFI18R	DYR4260GMFI18R
Indoor Unit Model Number			DR024GHFE18HT2	DR036GHFE18HT2	DR060GHFE18HT2
Outdoor Unit Model Number			YH024GHFI18RT2	YH036GHFI18RT2	YH060GHFI18RT2
Cooling	Capacity	Btu/h	24000	36000	56000
	EER	Btu/h.W	10.9	9.55	8.55
	SEER	Btu/h.W	18	18	17.5
Heating	Capacity	Btu/h	24000	36000	56000
	HSPF	Btu/h.W	10	11	9.5
<b>***Outdoor Unit Specs***</b>					
Compressor	Type		Twin ROTARY	Twin ROTARY	Twin ROTARY
	Supplier		GMCC	GMCC	GMCC
	RLA	A	9.45	9.45	6.5
Fan Motor	Type		ECM	ECM	ECM
	Rated HP	HP	1/3	1/2	3/4
	Rated RPM	r/min	350~1400	350~1400	350~1400
Outdoor Fan	Type		DC	DC	DC
	Air Flow	CFM	1826	2235	3823
Condenser Coil	Number of Rows		2	2	2
	Tube Outside Diameter	mm	7.94	7.94	7.94
Electrical Data	Voltage-Phase-Hz	V-Ph-Hz	208/230V-1Ph-60Hz	208/230V-1Ph-60Hz	208/230V-1Ph-60Hz
	Minimum Circuit Ampacity	A	15	23	25
	Max. Overcurrent Protection		25	35	50
	Min/Max Volts		187 / 253	187 / 253	187 / 253
Outdoor Sound Level (Sound Power Level)		dB(A)	54	56	68
Outdoor Unit Dimensions	Dimension (W*H*D)	mm	860×670×310	950×840×340	950×1386×340
		inch	33-7/8×26-3/8×12-1/4	37-3/8×33×13-3/8	37-3/8×54-1/2×13-3/8
	Packing (W*H*D)	mm	990×730×450	1110×920×460	1110×1530×460
		inch	39×28-3/4×17-3/4	43-3/4×36-1/4×18-1/8	43-3/4×60-1/4×18-1/8
	Net/Gross Weight	kg	51/55	70/75.5	117/129
		lbs	112.4/121.3	155/165	258/284
<b>***Indoor Unit Specs***</b>					
Fan Motor	Type		ECM	ECM	ECM
	Rated HP		1/3	1/2	3/4
	Rated RPM	r/min	350~1400	350~1400	350~1400
	RLA		2.4~2.6	3.6~3.8	5.0~5.4
Indoor Coil	Number of Rows		4	4	5
	Tube Outside Diameter and Type		innergroove tube/7mm	innergroove tube/7mm	innergroove tube/7mm
	Fin Spacing/Type	mm/mm	1.4/hydrophilic aluminium	1.4/hydrophilic aluminium	1.5/hydrophilic aluminium
	Tube Pitch(a)x Row Pitch(b)	mm	21/13.6	21/13.6	21/13.6
Indoor Air Flow		CFM	852	941	1647
Indoor Sound Level (Sound Power Level)		dB(A)	56	56	65
Throttle Type			TXV	TXV	TXV
Electrical Data	Voltage-Phase-Hz	V-Ph-Hz	208/230V 1Ph 60Hz	208/230V 1Ph 60Hz	208/230V 1Ph 60Hz
	Minimum Circuit Ampacity		15	23	25
	Max. Overcurrent Protection		25	35	50
	Min/Max Volts		187 / 253	187 / 253	187 / 253
Indoor Unit	Dimension (W*H*D)	mm	500×1170×550	500×1170×550	560×1350×610
		inch	19 5/8 × 46 × 21 5/8	19 5/8 × 46 × 21 5/8	22×53-1/8×24
	Packing (W*H*D)	mm	570×1260×645	570×1260×645	630×1440×705
		inch	22-1/2×49-5/8×25-3/8	22-1/2×49-5/8×25-3/8	24-7/8×56-3/4×27-3/4
	Net/Gross Weight	kg	61.5/72	63.5/74	82/94.5
	lbs	131.5/159	140/163	180/208	
Refrigerant System	Liquid Side/ Gas Side	inch	3/8 / 5/8	3/8 / 3/4	3/8 / 7/8
	Factory Charge R410A	oz	70.5	98.7	143
Operating Temperatures	Cooling	°F	5~118	5~118	5~118
	Heating	°F	-13-75	-13-75	-13-75
Maximum Line Length		Feet	164	246	246
Maximum Elevation Difference		Feet	98	98	98
Refrigerant Piping Liquid Side/ Gas Side		inch	3/8 / 5/8	3/8 / 3/4	3/8 / 7/8