

Ducted Central Split AC Heat Pump Systems

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



*For those who only want the **BEST***



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



Surge Protection

Mounting Brackets

Vibration Absorbers

Floor Mounting Base Kit

System Model Number			DYR1824GMF18R	DYR3036GMF18R	DYR4248GMF18R	DYR4860GMF18R
Indoor Unit Model Number			DR024GHFD18HT2	DR036GHFD18HT2	DR048GHFD18HT2	DR060GHFD18HT2
Outdoor Unit Model Number			YH1824GHFD18R2	YH3036GHFD18R2	YH4248GHFD18R2	YH4860GHFD18R2
Cooling	Capacity	Btu/h	24000 (6700~26000)	36000 (11800~36800)	48000 (18300~52000)	56000 (18300~59400)
	EER / EER2	Btu/h.W	10.9 / 9.8	9.55 / 9.55	10.2 / 10.1	8.55 / 8.25
	SEER / SEER2	Btu/h.W	18 / 17	18 / 18	18 / 17.5	17.5 / 17
Heating	Capacity	Btu/h	24000 (6700~26000)	36000 (8900~38200)	48000 (17600~52000)	56000 (17600~57500)
	HSPF / HSPF2	Btu/h.W	10 / 8.3	11 / 9	10 / 8.5	10 / 8.5
Outdoor Unit Specs						
Compressor	Type		Twin ROTARY	Twin ROTARY	Twin ROTARY	Twin ROTARY
	Supplier		GMCC	GMCC	GMCC	GMCC
	Rated Current	A	9.45	9.45	15.39	15.39
	RLA	A	11	16.1	26	26.5
Outdoor Fan	Type		DC	DC	DC	DC
	Air Flow	CFM	1825	2350	3525	3525
Condenser Coil	Number of Rows		2	2	2	2
	Tube Outside Diameter	mm	7.94	7.94	7	7.94
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	A	15	23	35	35
	Max. Overcurrent Protection		25	35	50	50
	Min/Max Volts		187 / 253	187 / 253	187/253	187 / 253
Outdoor Sound Level (Sound Power Level)		dB(A)	54	57	59	60
Outdoor Unit Dimensions	Dimension (W*H*D)	mm	860×670×310	950×840×340	950×1386×340	950×1386×340
		inch	33-7/8×26-3/8×12-1/4	37-3/8×33×13-3/8	37-3/8×54-5/8×13-3/8	37-3/8×54-1/2×13-3/8
	Packing (W*H*D)	mm	990×730×450	1110×920×460	1110×1530×460	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	43-3/4×60-1/4×18-1/8
	Net/Gross Weight	kg	51/55	67/72	103/115	114/126
		lbs	112/121	148/159	227/254	251/278
Indoor Unit Specs						
Fan Motor	Type		ECM	ECM	ECM	ECM
	Rated HP		1/3	1/2	3/4	3/4
	Rated RPM	r/min	350~1400	350~1400	350~1400	350~1400
	RLA		2.4~2.6	3.6~3.8	5.0~5.4	5.0~5.4
Indoor Coil	Number of Rows		4	4	5	5
	Tube Outside Diameter and Type		Innergroove tube/7mm	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	1.5/Hydrophilic Aluminium
	Tube Pitch(a)x Row Pitch(b)	mm	21/13.6	21/13.6	21/13.6	21/13.6
Indoor Air Flow		CFM	800	1120	1588	1706
Indoor Sound Level (Sound Power Level)		dB(A)	55	57	64	65
Throttle Type			TXV	TXV	TXV	TXV
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		3.3	4.8	6.8	6.8
	Max. Overcurrent Protection		10	10	15	15
	Min/Max Volts		187 / 253	187 / 253	187 / 253	187 / 253
Indoor Unit	Dimension (W*H*D)	mm	500×1170×550	500×1170×550	560×1370×610	560×1370×610
		inch	19-5/8 × 46-1/8 × 21-5/8	19-5/8 × 46-1/8 × 21-5/8	22×53-7/8 ×24	22×53-7/8 ×24
	Packing (W*H*D)	mm	570×1260×645	570×1260×645	640×1410×710	640×1410×710
		inch	22-1/2×49-5/8×25-3/8	22-1/2×49-5/8×25-3/8	25-1/4×55-1/2×28	25-1/4×55-1/2×28
	Net/Gross Weight	kg	61.5/72	63.5/74	85/97	85/97
		lbs	135.5/158.6	140/163.1	187.2/214	187.2/214
Refrigerant System	Liquid Side/ Gas Side	inch	3/8 / 5/8	3/8 / 3/4	3/8 / 7/8	3/8 / 7/8
	Factory Charge R410A	oz	70.5	98.7	142.9	142.9
Operating Temperatures	Cooling	°F	5~122	5~122	5~122	5~122
	Heating	°F	-13-75	-13-75	-13-75	-13-75
Maximum Line Length		Feet	164	246	246	246
Maximum Elevation Difference		Feet	98	98	98	98

Specifications 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 on laboratory tests, performed in accordance with the applicable AHRI Standards for Variable Speed Mini Split Single Zone Heat Pump Systems.