HVAC DISTRIBUTING LLC

SIGNATURE SERIES TRUINVERTER®
SPLIT HEAT PUMP SYSTEM

AVAILABLE IN 24K–60K



SIGNATURE SERIES TRUINVERTER®
SPLIT HEAT PUMP SYSTEM

UP TO 18.0 SEER2 / UP TO 9.0 HSPF2 / R-454B REFRIGERANT

- PAINTED GALVANIZED CABINET
- FILTER RACK WITH MAGNETIC COVER
- GOLD FIN® CONDENSER COATING
- VARIABLE-SPEED AIR HANDLER
- MULTI-POSITION INSTALLATION
- OPTIONAL HEAT KIT AVAILABLE
- ENHANCED HEATING CAPACITY
- OPTIONAL WIRED THERMOSTAT
- DURABLE BUILD & FINISH
- ENVIRONMENTALLY-FRIENDLY R-454B REFRIGERANT

LIMITED
LIFETIME COMPRESSOR

10 YEAR
PARTS WARRANTY

HVAC-DISTRIBUTING.COM
1-855-HVAC-DIS 1-855-482-2347

MRCOOL® COMFORT MADE SIMPLE

V 10.14.26

HVAC DISTRIBUTING LLC

SIGNATURE SERIES TRUINVERTER® SPECIFICATIONS

IDU MODEL NO.	Unit	MCAEAMPVT24D21BA	MCAEAMPVT36D21BA	MCAEAMPVT48F21BA	MCAEAMPVT60F21BA
ODU MODEL NO.	Unit	MCAESHV8T2421BA	MCAESHV9T3621BA	MCAESHV8T4821BA	MCAESHV7T6021BA
CAPACITY & PERFORMANCE					
Power Supply	V-Hz-Ph	208/230 - 60, 1	208/230 - 60, 1	208/230 - 60, 1	208/230 - 60, 1
Cooling Capacity	Btu/h	24000	34000	47000	53000
Cooling Capacity Range	Btu/h	7000~25000	8000~36000	9000~48000	9400~53000
SEER2	Btu/w	18.0	19.0	18.0	17.0
EER2	Btu/w	10.0	10.0	9.0	7.5
Heating Capacity (47F/8.3C)	Btu/h	24000	36000	47000	53000
Heating Capacity (17F/-8.3C)	Btu/h	18500	25000	35000	38000
HSPF2-4	Btu/w	9.0	9.0	8.5	8.2
COP2 (47F/8.3C)	W/W	3.2	3.5	3.2	3.2
Max. Heating Capacity (5F/-15F)	W/W	18000	26000	33000	35000
External Static Pressure	in.w.c.	0.8	0.8	0.8	0.8
IDU Sound Pressure	dB(A)	57	58	60	62
ODU Sound Pressure	dB(A)	67	68	70	70
IDU Airflow Volume	CFM	850	1150	1600	1700
ELECTRICAL					
Indoor Min. Circuit Ampacity	A	5	5	7	7
IDU Max. Current Over Protection	A	15	15	15	15
ODU Min. Circuit Ampacity	A	16	22	35	35
ODU Max. Current Over Protection	A	25	35	60	60
DIMENSIONS & WEIGHT					
Indoor Net Dimension (WxHxD)	inch	21" x 46.5" x 21"	21" x 46.5" x 21"	24.5" x 56" x 21"	24.5" x 56" x 21"
	mm	533 x 1180 x 533	533 x 1180 x 533	622 x 1422 x 533	622 x 1422 x 533
IDU Packaging Dimension (WxHxD)	inch	22.75" x 52.5" x 26.33"	22.75 x 52.5 "x26.33"	28.66" x 62" x 27"	28.66" x 62" x 27"
	mm	578 x 1333 x 668	578 x 1333 x 668	727 x 1582 x 688	727 x 1582 x 688
IDU Weight Net/Gross	lbs	126.8/162	126.8/162	161/204	161/204
	kg	57.5/73.5	57.5/73.5	73/92.5	73/92.5
ODU Net Dimension (WxHxD)	inch	29.12" × 24.93" × 29.12"	29.12" × 24.93" × 29.12"	29.12" x 33.18" x 29.12"	29.12" x 33.18" x 29.12"
	mm	740 x 633 x 740	740 x 633 x 740	740 x 843 x 740	740 x 843 x 740
ODU Packaging Dimension (WxHxD)	inch	30.25" x 31.25" x 30.25"	30.25" x 31.25" x 30.25"	30.25" x 39.5" x 30.25"	30.254" x 39.52" x 30.25"
	mm	767 x 794 x 767	767 x 794 x 767	767 x 1003 x 767	767 x 1003 x 767
ODU Weight Net/Gross	lbs	137/159	146/176	190/220	190/220
	kg	58/72	66/80	86/100	86/100
REFRIGERANT					
Pre-Charged Refrigerant	Type	R454B	R454B	R454B	R454B
	oz	75.84	100.53	141.092	141.09
	g	2150	2850	4000	4000

OPTIONAL ELECTRIC HEAT KITS

MODEL NO.	CAPACITY
MCAEHFD5X1BA	5kW
MCAEHFD10X1BA	10kW
MCAEHFD15X1BA	15kW
MCAEHFD20X1BA	20kW

c ETL us Intertek 5031495

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*Data provided by AHRI

*All specifications are preliminary and subject to change during mass production.

Equipment sizing and installation must be performed by a licensed HVAC contractor in accordance with ACCA Manual J and applicable local codes.

OPTIONAL WIRED THERMOSTAT

MODEL NO.	XK-120D2

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