KCD-Series

Enjoy the ultimate in comfort and efficiency with the KCD-Series and Whole-House Hyper Heat System. With an inverter-driven compressor, the KCD-system fully modulates to used the least amount of energy possible to maintain temperature, while at the same time optimizing sound levels and comfort. Hyper heat performance down to -22°F (-30°C) means the heat pump has world-class operating parameters in all weather conditions-and the optional electric auxiliary heat kits provide further peace of mind.

FEATURES

- Aluminum-alloy traditional fin-and-tube coil construction for maximum durability and corrosion resistance
- Efficient and quiet ECM blower motor
- Accepts traditional 24VAC thermostats for convenience and advanced control options
- Optional electric resistance heat kits (up to 15kW) provides auxiliary heat source for comfort during the worst conditions
- Beautiful and durable gloss enameled-steel construction with insulated construction provides less than 2% cabinet leakage
- Built-in return filter rack for 20”x 20”x 1” Filter
- Multi-position air handler

WHOLE HOUSE HYPER HEAT SYSTEM

2 to 4 Tons

Four models to choose from 24,000 to 48,000 BTUH

COOLING

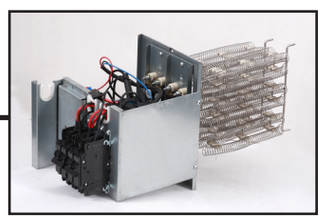
-22°F (-30°C)

HEATING

-22° to 86°F (-30°C to +30°C)
48K: -13° to 80°F (-25°C to +27°C)

Outdoor Condenser

Multi-Position Air Handler



Auxiliary Heat Kits

Auxiliary Heat Kits					
	Power of Electric Heater	24K	30K	36K	48K
Optional Electric	ECD8KW	X	X	X	X
	ECD10KW	X	X	X	X
	ECD15KW	X	X	X	X

Optional Electric Heat - Consult Electrician For Amperage Requirements

Warranty
10 years on compressor and 10 years on parts.

www.kerrsmartenergy.com

MULTI-POSITION AIR HANDLER

Ducted Units						
FEATURES			B-KCD24SA-1	B-KCD30SA-1	B-KCD36SA-1	B-KCD48SA-1
Power supply	Rated	V, Ph, Hz	208/230, 1, 60	208/230, 1, 60	208/230, 1, 60	208/230, 1, 60
	Voltage range	V	187-253	187-253	187-253	187-253
Cooling	Rated Capacity (range)	Btu/h	24000(6400~27000)	30000(10400~33600)	36000(12000~47400)	47000(18000~48000)
	Input power	W	1920	2720	3300	5530
	Rated current	A	9.40	12.40	14.8	24.2
	EER	Btu/w	12.50	11	10.5	8.5
	SEER	Btu/w	20	18	18	16
Heating at 47°	Rated Capacity (range)	Btu/h	24000(10100~31000)	33000(12000~37000)	40000(9000~57200)	50000(20000~55000)
	Input power	W	2040	2780	3400	4880
	Rated current	A	9.13	12.50	14.8	21.5
	COP	W/W	3.45	3.48	3.45	3.00
	HSPF4	Btu/w	12	10.5	10.5	10
	HSPF5	Btu/w	10	8.4	8.5	8.5
Heating at 5° (-15°)	Capacity	Btu/h	24000	28500	43300	47000
	COP	W/W	1.80	1.95	1.80	1.88
The Rated Input Current of The Power Conversion Equipment		A	3.0	3.5	3.5	3.5
MINIMUM CIRCUIT AMPACITY (Indoor unit)		A	4.0	4.5	4.5	4.5
MAX. FUSE (Indoor unit)		A	15.0	15.0	15.0	15.0
MAX. FUSE (Outdoor unit)		A	35	35	50	50
Indoor air flow (Hi/Mi/Lo)		CFM	758.82/694.12/629.41	894.12/805.88/711.76	1082.35/970.59/864.71	1282.35/1094.12/905.88
Indoor noise level (Hi/Mi/Lo)		dB(A)	43/40.5/35	43/40/30.5	46.8/44/41.3	53/50/46
Indoor unit	Dimension (W×D×H)	inch	21.02x17.52x45.00	21.02x21.02x49.02	21.02x21.02x49.02	21.02x21.02x49.02
	Packing (W×D×H)	inch	25.20x20.87x50.39	25.20x24.41x54.33	25.20x24.41x54.33	25.20x24.41x54.33
	Net/Gross weight	lbs.	105.60/127.43	129.19/155.64	129.19/155.64	130.51/156.31
Refrigerant piping	Liquid side/Gas side	inch	3/8" / 3/4"	3/8" / 3/4"	3/8" / 3/4"	3/8" / 3/4"
Drainage water pipe diameter		inch	3/4	3/4	3/4	3/4
Thermostat type	Wireless remote controller		Standard	Standard	Standard	Standard
	Wired Controller		n/a	n/a	n/a	n/a
	Programmable wired Controller		Standard	Standard	Standard	Standard
WiFi			Optional	Optional	Optional	Optional
Application area (cooling Standard)		sq.ft	344.44~505.90	430.56~635.07	516.67~753.47	688.89~1011.81
Certification	Performance	AHRI	Yes	Yes	Yes	Yes
		E*Star	Yes	-	-	-
		NEEP	Yes	Yes	Yes	Yes
	Safety	UL	Yes	Yes	Yes	Yes
		ETL	-	-	-	-
		CSA	-	-	-	-

SINGLE ZONE

FEATURES	A-KCD24SA-1	A-KCD30SA-1	A-KCD36SA-1	A-KCD48SA-1
Power Supply	208/230V,1Ph,60Hz	208/230V,1Ph, 60Hz	208/230V,1Ph, 60Hz	208/230V,1Ph, 60Hz
Cooling Capacity (BTUH)	24,000	30,000	36,000	48,000
SEER	20	18	18	16
EER	12.50	11	10.50	8.50
HSPF[4]	12.00	10.50	10.50	10.00
COP	3.45	3.48	3.45	3.00
Cooling Amps	9.40	12.40	14.80	24.20
Heating Cap. (BTUH) @ 47°F	31,000	37,000	57,200	55,000
Heating Amps	9.13	12.50	14.80	21.50
Outdoor DBA	64	61.50	64	64
OUTDOOR UNIT DIMENSIONS				
Width (inches)	37.24	37.24	.37.48	37.48
Height (inches)	31.89	31.89	52.48	52.48
Depth (inches)	16.14	16.14	16.34	16.34
Net Wt/Shipping Wt (lbs.)	136.69	159.83	227.07	220.24
ELECTRICAL DATA OUTDOOR UNIT ‡				
Main Power Connection	Outdoor Unit 208/230-1-60			
Min. Circuit Ampacity	20.5	23	41	42
Max. Fuse/HACR Circuit Breaker	35	35	50	50
Indoor/Outdoor Connecting Cable Type	14AWG / 4 conductor 600V THHN unshielded stranded bare copper			
LINE SETS O.D. (inch)				
LINE SETS O.D. (inch)	3/8 x 3/4	3/8 x 3/4	3/8 x 3/4	3/8 x 3/4
Max. Line Set Length[1]	164	213	213	213
Max. Elevation (outdoor)[2]	82	98	98	98

‡ Always follow local, state and national electrical codes
[1] Min. 10 ft. line set recommended
[2] Oil traps should be installed every 16.5 to 23 feet (5-7m) when the outdoor unit is installed above the indoor unit

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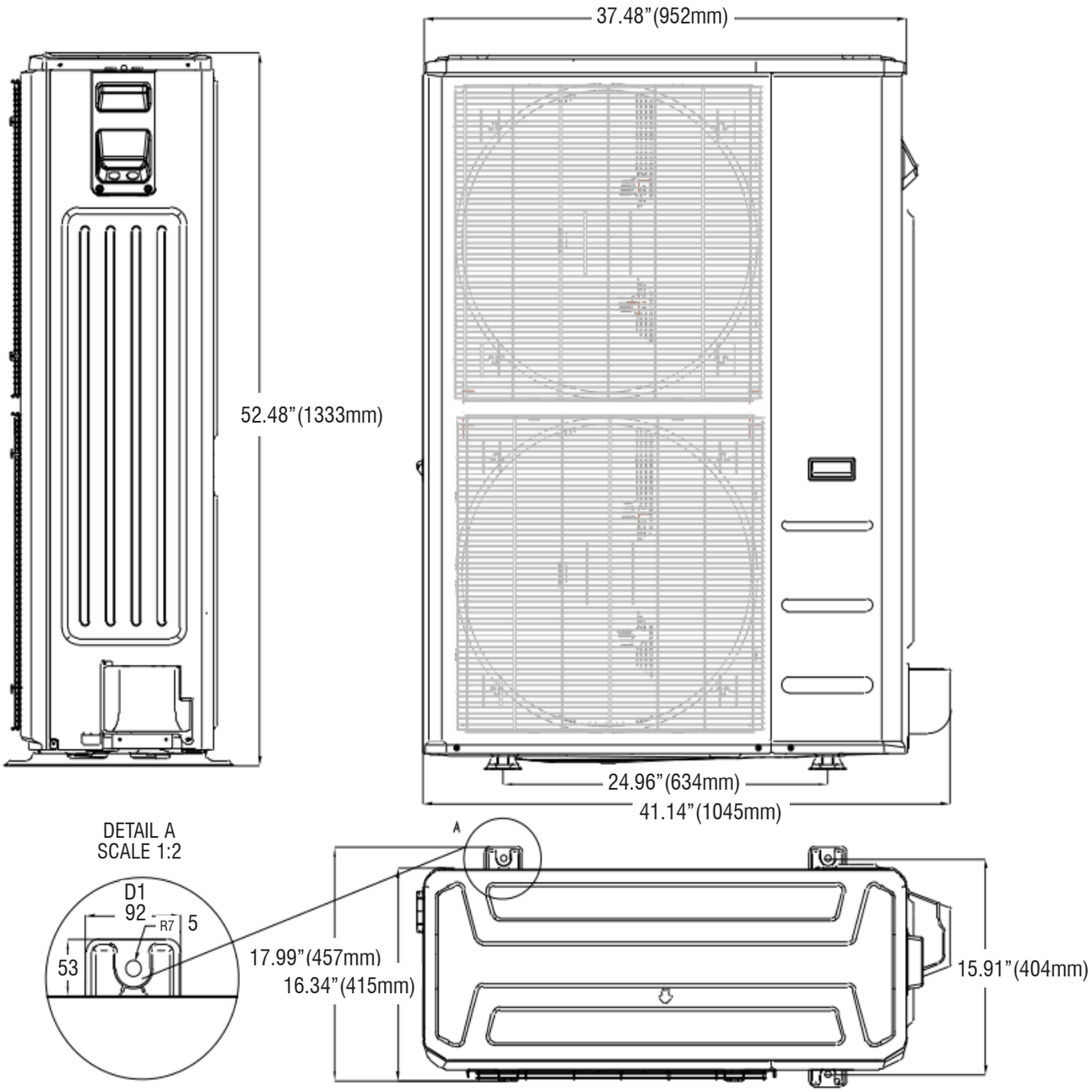
Outdoor Unit Dimensions - 36K & 48K



"This product complies with all California product labeling laws including, but not limited to, the Safe Drinking Water and Toxic Enforcement Act of 1986, more commonly known as Proposition 65."

Due to ongoing product improvements, specifications and dimensions are subject to change and correction without notice or incurring obligations. Determining the application and suitability for use of any product is the responsibility of the installer. Additionally, the installer is responsible for verifying dimensional data on the actual product prior to beginning any installation preparations.

Third party incentive and rebate programs have precise requirements as to product performance and certification. All products meet applicable regulations in effect on date of manufacture; however, certifications are not necessarily granted for the life of a product. Therefore, it is the responsibility of the applicant to determine whether a specific model qualifies for these incentive/rebate programs.

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