

QUICK REFERENCE GUIDE



2- to 25-ton packaged heat pump rooftop units

2- to 20-Ton Packaged Rooftop Performance Data (Heat Pumps) - Standard Efficiency																						
Size (Tons)	2 Ton	2 Ton	2.5 Ton	3 Ton	3 Ton	3 Ton	4 Ton	4 Ton	4 Ton	5 Ton	5 Ton	5 Ton	6 Ton	7.5 Ton	7.5 Ton	8.5 Ton	8.5 Ton	10 Ton	10 Ton	12.5 Ton	15 Ton	20 Ton
Efficiency	Standard	High-Efficiency	Standard	Standard	Standard	High-Efficiency	Standard	Standard	High-Efficiency	Standard	Standard	High-Efficiency	Standard	Standard	High-Efficiency	Standard	High-Efficiency	Standard	High-Efficiency	Standard	Standard	Standard
Model Number	KHB024S4D	KD/KHB024H4E	KHB030S4D	KHB036S4B/D	KHA036S4B/D	KD/KHB036H4E	KHB048S4B/D	KHA048S4B/D	KD/KHB048H4E	KHB060S4B	KHA060S4B	KD/KHB060H4E	KHA072S4B/ KHB074S4T	KHA092S4B/M	KD/HB092H4B/M	KHA102S4B/M	KD/HB102H4B/M	KHA120S4B/M	KD/HB122H4M/E	KHA150S4B/M	KHA180S4B/M	KHA240S4B/M
Blower Type	Direct Drive	Direct Drive	Direct Drive	Belt Drive/ Direct Drive	Belt Drive/ Direct Drive	Direct Drive	Belt Drive/ Direct Drive	Belt Drive/ Direct Drive	Direct Drive/ Belt Drive	Belt Drive	Belt Drive	Direct Drive/ Belt Drive	Direct Drive	Belt Drive	Belt Drive	Belt Drive	Belt Drive	Belt Drive	Direct Drive ECM	Belt Drive	Belt Drive	Belt Drive
Net Cooling Capacity (Btuh)	23,000	23,600	28,800	35,000	35,600	35,200	46,500	47,000	46,000	60,000	59,000	58,000	69,000 (CAV) 68,000 (MSAV)	89,000	89,000	100,000	100,000	118,000	118,000	138,000	174,000	218,000
Net Heating Capacity (Btuh)	25,000	24,000	30,000	36,600	36,400	35,000	49,500	48,000	46,000	58,000	60,500	59,000	70,000	89,000	89,000	100,000	100,000	116,000	116,000	138,000	178,000	220,000
Stages	1	2	1	1	1	2	1	1	2	1	1	2	1 (CAV) 2 (MSAV)	2	2	2	2	2	2	2	2	2
Nominal Supply Air (cfm)	860	800/560	1,030	1,200	1,160	1,200/800	1,670	1,600	1,430/1,120	2,020	1,985	1,650/1,210	2,060 (CAV) 2,100 (MSAV)	3,000	3,000	3,400	3,400	3,600	3,600	4,500	6,000	7,500
EER	11.7	13.0	11.9	11.5	10.9	208/230V - 12.7 460/575V - 12.4	11.4	10.7	12.8	11.9	10.9	12.5	11.0	11.0	12.1	11.0	12	11.0	12.3	10.6	10.6	10.6
SEER (024-060)/ IEER (072-240)	14.0	16.5	14.0	14.0	13.0	16.0	14.0	13.0	16.0	14.0	13.0	16.0	12.1 (CAV) 14.0 (MSAV)	12.2 (CAV) 12.5 (MSAV)	12.9 (CAV) 14.2 (MSAV)	12.2 (CAV) 12.5 (MSAV)	12.5 (CAV) 14.3 (MSAV)	11.3 (CAV) 12.5 (MSAV)	14.8	10.7 (CAV) 12.0 (MSAV)	12.2 (CAV) 13.2 (MSAV)	11.2 (CAV) 13.0 (MSAV)
HSPF (Region IV)	8.0	8.3	8.0	8.0	7.7	8.5	8.0	7.7	8.5	8.0	7.7	8.5	---	---	---	---	---	---	---	---	---	---
COP (High Heat)	---	---	---	---	---	---	---	---	---	---	---	---	3.3	3.3	3.6	3.3	3.6	3.3	3.6	3.2	3.2	3.2
CAP 47 (HIGH)	---	24,000	---	---	---	35,000	---	---	46,000	---	---	59,000	---	---	86,000	---	100,000	---	116,000	---	---	---
COP 17 (LOW)	---	2.34	---	---	---	2.4	---	---	2.52	---	---	2.46	---	---	2.4	---	2.3/2.4	---	2.4	---	---	---
CAP 17 (LOW)	---	13,000	---	---	---	19,200	---	---	26,000	---	---	34,000	---	---	51,000	---	55,000/ 58,000	---	70,000	---	---	---
AFUE/ Thermal Eff.**	---	81%	---	---	---	81%	---	---	81%	---	---	81%	---	---	80%	---	80%	---	80%	---	---	---
Gas Heat CAP kBtuh**	---	52(1)	---	---	---	57(2), 86(2)	---	---	57(2), 86(2), 120(2)	---	---	57(2), 86(2), 120(2)	---	---	130(2), 180(2), 240(2)	---	130(2), 180(2), 240(2)	---	130(2), 180(2), 240(2)	---	---	---
Electric Heat Sizes (kW)	5, 7.5, 10	5, 7.5, 10	5, 7.5, 10	7.5, 15	7.5, 15	7.5, 15	7.5, 15	7.5, 15	7.5, 15	7.5, 15, 22.5	7.5, 15, 22.5	7.5, 15, 22.5	7.5, 15, 22.5, 30	7.5, 15, 22.5, 30, 45	7.5, 15, 22.5, 30, 45	7.5, 15, 22.5, 30, 45	7.5, 15, 22.5, 30, 45	15, 22.5, 30, 45 & 60	15, 22.5, 30, 45, 60	15, 22.5, 30, 45, 60	15, 30, 45, 60	15, 30, 45, 60, 90
Blower Motor Size (HP)	0.25	.33	0.25	.50 (Direct) .75, 1, 1.5, 2 (Belt)	.50 (Direct) 1, 2 (Belt)	.50	.50 (Direct) .75, 1, 1.5, 2 (Belt)	.50 (Direct) 1, 2 (Belt)	.75	.75, 1, 1.5, 2 (Belt)	1, 2 (Belt)	1	1.5, 2 (CAV) 1, 2 (MSAV)	2, 3, 5	2, 3, 5	2, 3, 5	2, 3, 5	2, 3, 5	3.75	2, 3, 5	3, 5, 7.5	5, 7.5, 10
Net. Weight (lbs.)	566	595/568	566	566	566	595/568	641	641	670/641	686	686	756/727	727	1,052	1,121/1,073	1,084	1,123/1,075	1,150	1,264/1,216	1,350	1,350	1,350
Weight - Shipping (lbs.)	607	635/608	607	607	595	635/608	682	617	710/681	727	727	816/787	810	1,137	1,206/1,158	1,169	1,208/1,160	1,235	1,349/1,301	1,435	2,150	2,350
Cabinet Size - H x W x L (in.)	39 x 47 x 86						47 x 47 x 86	39 x 47 x 86	47 x 47 x 86				47 x 47 x 99		47 x 61 x 102	46-7/8 x 60-1/8 x 101-1/4	47 x 61 x 102	46-7/8 x 60-1/8 x 101-1/4	47 x 61 x 102	46-7/8 x 60-1/8 x 101-1/4	47 x 61 x 125	55 x 92 x 130
Filter (Quantity/Size)	(4) 16 x 20 x 2						(4) 20 x 20 x 2	(4) 16 x 20 x 2	(4) 20 x 20 x 2				(4) 20 x 25 x 2				(4) 20 x 25 x 2				(6) 24 x 24 x 2	
Sound - Cooling/ Heating (dBA)	75	74	75	75	75	75	75	75	77	80	82	77	83	88	86	88	86	88	85	88	93	93

Note - Due to Lennox' ongoing commitment to quality, all specifications, ratings and dimensions are subject to change without notice.

**Applies only for KD models

QUICK REFERENCE GUIDE

LANDMARK®
Performance Marked by Flexibility™

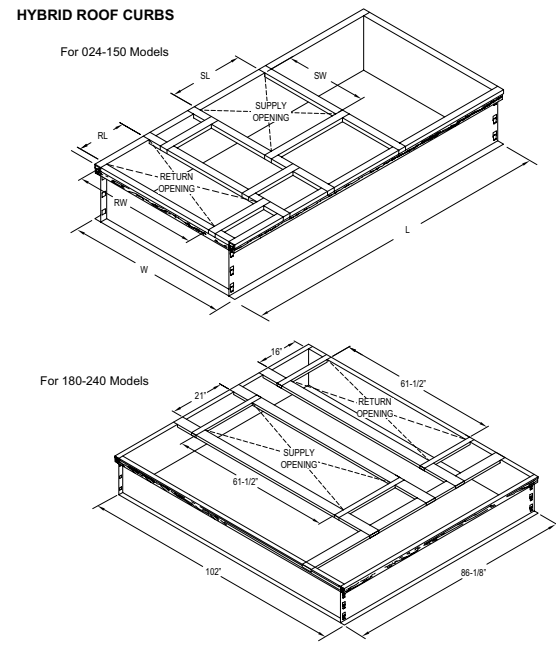
2- to 25-ton packaged heat pump rooftop units

Unit MCA & MOCP Electrical (Standard Indoor Fan Motor)

Unit	Voltage	HP	MCA	MOCP	Unit	Voltage	HP	MCA	MOCP	Unit	Voltage	HP	MCA	MOCP	
KHB024S	208-230/1	0.25	16	25	KHA240S	208-230/3	7.5	102	125	KD/KHB024H	208/230/1	0.33	21	30	
KHB030S	208-230/1	0.25	20	30		460/3	7.5	54	70		208/230/1	0.5	27	40	
KHB036S	208-230/1	0.5	25	40		575/3	7.5	41	50		208/230/3	0.5	22	30	
	208-230/3	0.5	17	25	KD/KHB036H	460/3	0.5	11	15	460/3	0.5	8	15		
	460/3	0.5	9	15		575/3	0.5	8	15	KHA036S	208-230/3	0.5	19	25	
575/3	0.5	8	15	460/3		0.5	11	15	460/3		0.5	11	15		
KHA036S	575/3	0.5	8	15	575/3	0.5	8	15	575/3		0.5	8	15		
	KHB048S	208-230/1	0.5	31	50	KD/KHB048H	208/230/1	0.75	36	50	KD/KHB060H	208/230/1	0.75	36	50
		208-230/3	0.5	20	30		208/230/3	0.75	27	40		208/230/3	0.75	27	40
460/3		0.5	10	15	460/3		0.75	13	15	460/3		0.75	10	15	
KHA048S	575/3	0.5	9	15	KD/KHB060H	575/3	0.75	10	15	KD/KHB122H	208/230/1	1	45	70	
	208-230/3	0.5	23	35		208/230/3	1	31	45		460/3	1	15	20	
	460/3	0.5	11	15		460/3	1	15	20		575/3	1	11	15	
KHB060S	575/3	0.5	9	15	KD/KHB122H	575/3	1	11	15	KD/KHB024H	208/230/1	0.75	21	30	
	208-230/1	1.5	42	60		208/230/3	3.75	53	60		208/230/1	1	22	30	
	208-230/3	1	24	35		460/3	3.75	27	30		460/3	0.75	11	15	
KHA060S	460/3	1	14	20	KD/KHB024H	575/3	3.75	20	25	460/3	1	11	15		
	575/3	1	9	15		208/230/1	0.75	21	30	575/3	0.75	8	15		
	208-230/3	1	27	40		208/230/1	1	22	30	575/3	0.75	8	15		
KHA072S	460/3	1	10	15	KD/KHB036H	460/3	0.75	11	15	KD/KHB048H	208/230/1	0.8	24	35	
	208-230/3	1.5	34	50		460/3	0.75	11	15		208/230/1	2	28	40	
	460/3	1.5	17	25		460/3	2	13	15		460/3	1	13	13	
KHB074S	575/3	1.5	13	20	KD/KHB048H	575/3	0.75	9	15	460/3	2	14	14		
	208-230/3	1	30	45		575/3	0.75	9	15	575/3	1	10	10		
	460/3	1	15	20		575/3	2	10	15	575/3	2	11	11		
KHA092S	575/3	1	11	15	KD/KHB036H	208/230/1	1	29	29	KD/KHB048H	208/230/1	1	29	29	
	208-230/3	3	45	50		208/230/1	2	31	31		208/230/1	2	31	31	
	460/3	3	22	25		460/3	1	13	13		460/3	1	13	13	
KHA102S	575/3	3	16	20	KD/KHB048H	460/3	2	14	14	460/3	2	14	14		
	208-230/3	3	50	60		575/3	1	10	10	575/3	1	10	10		
	460/3	3	20	25		575/3	2	11	11	575/3	2	11	11		
KHA120S	575/3	3	20	25	KD/KHB048H	208/230/1	1	29	29	KD/KHB048H	208/230/1	1	29	29	
	208-230/3	3	61	70		208/230/1	2	31	31		208/230/1	2	31	31	
	460/3	3	31	40		460/3	1	13	13		460/3	1	13	13	
KHA150S	575/3	3	24	30	KD/KHB048H	460/3	2	14	14	KD/KHB048H	460/3	2	14	14	
	208-230/3	3	24	30		575/3	1	10	10		575/3	1	10	10	
	460/3	3	31	40		575/3	2	11	11		575/3	2	11	11	
KHA180S	575/3	5	83	100	KD/KHB048H	208/230/1	1	29	29	KD/KHB048H	208/230/1	1	29	29	
	208-230/3	5	83	100		208/230/1	2	31	31		208/230/1	2	31	31	
	460/3	5	41	50		460/3	1	13	13		460/3	1	13	13	
KHA180S	575/3	5	31	35	KD/KHB048H	460/3	2	14	14	KD/KHB048H	460/3	2	14	14	
	575/3	5	31	35		575/3	1	10	10		575/3	1	10	10	

Factory- and Field-Installed Options

Option	Factory	Field	Option	Factory	Field
Cooling					
Drain Pan Overflow Switch		•	Crankcase Heater (KCA/KGA036-090)		•
Pvc Or Copper Condensate Drain Trap		•	Drain Pan Overflow Switch		•
Low-Ambient Kit		•	Low-Ambient Kit		•
Pvc Or Copper Condensate Drain Trap		•	Pvc Or Copper Condensate Drain Trap		•
Blower					
Blower - Supply Air Motors	•		Blower - Supply Air Motors	•	
Blower - Supply Air Drive Kits	•		Blower - Supply Air Drive Kits	•	
Vfd Manual Bypass Kit (Msav®)		•	Vfd Manual Bypass Kit (Msav®)		•
Cabinet					
Combination Coil/Hail Guards		•	Combination Coil/Hail Guards		•
Corrosion Protection	•		Corrosion Protection (indoor coil/outdoor coil)	•	
Hinged Access Panels	•		Hinged Access Panels	•	
Horizontal Discharge Kit		•	Horizontal Discharge Kit		•
Return Air Adaptor Plate*		•	Return Air Adaptor Plate*	•	•
Controls					
Cs3000 And Cs7500 Commercial Thermostats		•	CS3000 and CS7500 Commercial Programmable Thermostats	•	•
Bacnet®	•	•	BACnet Module	•	•
Bacnet Thermostat With Display		•	BACnet Thermostat with Display		•
Bacnet Thermostat Without Display		•	BACnet Thermostat without Display		•
Novar® 2051	•	•	Novar® 2051 factory	•	•
Plenum Cable		•	Plenum Cable		•
L Connection® Building Automation System		•	L Connection® Building Automation System	•	
Smoke Detector Supply And/Or Return		•	Smoke Detector Supply and/or Return		•
Indoor Air Quality					
Merv 8 Filters		•			
Merv 13 Filters		•			



Model No.	Length	Width	Supply Air		Return Air	
	L	W	SL	SW	RL	RW
024 to 072	79-3/4	41-1/2	19-1/8	21-1/8	12-5/8	32
092 to 150	95-3/8	54-1/4	29-3/4	21-3/4	26-3/4	29-3/4
060/072/074	92-3/4	41-1/2	19-1/8	21-1/8	12-5/8	32

Note - Due to Lennox's ongoing commitment to quality, all specifications, ratings and dimensions are subject to change without notice.



Visit us at www.lennox.com
For the latest technical information,
www.lennoxcommercial.com
Contact us at 1-800-4-LENNOX
©2019 Lennox Industries, Inc.
14G44 4/19 PC92467