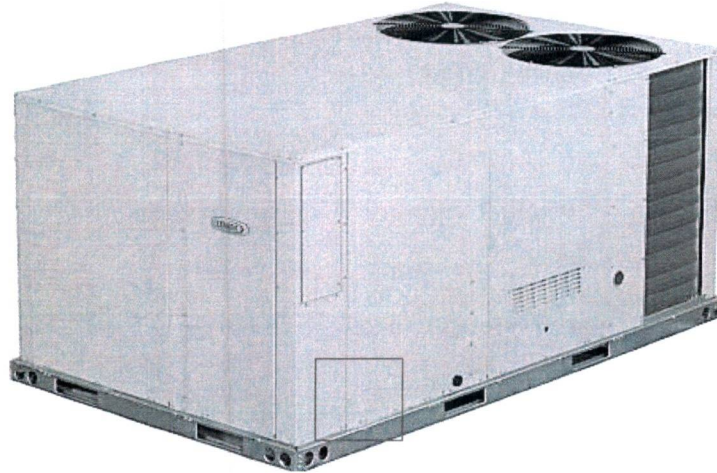


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KGA120S4M LANDMARK 10T
G/E STD EFF 3HP MSAV BD
240MBH ENTH ECON (575/3 -
UNIT MCA 18 MOP 20)

Cat # : M9636

Model/Part # : KGA120S4MH



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— Specifications

Brand	Lennox
Catalog Number	M9636
Model/Part Number	KGA120S4MH
Base Unit of Measure	Unit(S)
EAN / UPC	66255148962
Product Voltage	575v 3ph 60 hz
Size/Dimensions	48x60.5x101.5
Horsepower	3
Blower Type or Drive #	5
Econ./ Single Temp./ Baro. Relief	Yes
MSAV	Yes
Heat	240 Dual
IEER	13
Return Opening Horizontal	15.5 X 30
Return Opening Downflow	24 X 27
Tonnage	10
Supply Opening Horizontal	15.5 x 30
Supply Opening Downflow	20 X 28
Gross Weight	1071 LB
Family	KGA
Cooling Capacity	10.0 Ton Cooling
Heating Capacity	240, 000 Btuh
Efficiency	13 IEER
Package Unit Cabinet	B Cabinet
Package Unit Type	Gas Package Unit
Package Unit Tonnage	10.0
Package Unit Efficiency	Standard Efficiency



Unit Refrigerant	R-410A
Unit Cabinet Height	Standard
Package Unit Cabinet Length	Standard Length
Unit Orientation	Downflow
Voltage	575 Volt/3 Ph
Air Filter Type	2" MERV4 - Std Filter
Unit Blower Type	MSAV Belt Drive
Blower Motor	3 Hp Std.
Blower Drive Kit	Drive Kit 4 (B Cabinet)
Gas Heating	240K A.S. (Dual Stage)
Outdoor Air Supply	Single Enth. Economizer (Fac)
Unit Exhaust	Downflow Gravity (Fac)
Phase Monitor	Factory Installed
Crating	Standard Cap
Unit Terminal Block	175 Amp Terminal Block

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York - KJ120N24R2AAAA1A1

Replacement
Units



Table 7: KJ078-150 Physical data

Component	Models									
	KJ078		KJ090		KJ102		KJ120		KJ150	
Nominal tonnage	6.5		7.5		8.5		10.0		12.5	
AHRI cooling performance										
Gross Capacity @ AHRI A point (Btu)	80000		92000		101000		124000		155000	
AHRI net capacity (Btu)	78000		90000		98000		120000		150000	
EER	12.2 ¹ /12.0 ²		12.4 ¹ /12.2 ²		12.2 ¹ /12.0 ²		12.2		12.1 ¹ /12 ²	
IEER with Intellispeed	16.0 ¹ /15.8 ²		16.0 ¹ /15.8 ²		14.8 ¹ /14.6 ²		15.2 ¹ /15.0 ²		15.4 ¹ /15.2 ²	
IEER with VAV	16.0 ¹ /15.8 ²		16.0 ¹ /15.8 ²		14.8 ¹ /14.6 ²		15.2 ¹ /15.0 ²		15.4 ¹ /15.2 ²	
CFM	2500		3000		3100		3400		3500	
System power (kW)	6.3		7.0		7.9		9.8		12.4	
Refrigerant type	R-454B		R-454B		R-454B		R-454B		R-454B	
Refrigerant charge (lb-oz)										
System 1	4-12		5-10		6-4		6-8		9-6	
System 2	4-12		5-10		6-0		6-12		8-10	
Refrigerant charge (lb-oz) with MagnaDry										
System 1	5-6		6-2		7-4		7-0		10-4	
System 2	4-12		5-10		6-0		6-12		8-10	
AHRI heating performance										
Heating model	N12	N18	N12	N18	N12	N18	N18	N24	N18	N24
Heat input (K Btu)	120	180	120	180	120	180	180	240	180	240
Heat output (K Btu)	97	146	97	146	97	146	146	194	146	194
AFUE %	-	-	-	-	-	-	-	-	-	-
Steady state efficiency (%)	81	81	81	81	81	81	81	81	81	81
No. burners	5	7	5	7	5	7	7	8	7	8
No. stages	3 ₂	3 ₂	3 ₂	3 ₂	3 ₂	3 ₂	3 ₂	3 ₂	3 ₂	3 ₂
Temperature Rise Range (°F)	20-50	20-65	20-50	20-65	20-50	20-65	20-65	30-60	20-65	30-60
Gas piping connection (in.)	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
Dimensions (in.)										
Length	89		89		89		89		119-1/2	
Width	59		59		59		59		59	
Height	50-3/4		50-3/4		50-3/4		50-3/4		50-3/4	
Operating weight (lb)										
	979		1035		1044		1070		1280	
Operating weight with MagnaDry option										
	1025		1080		1065		1100		1380	
Compressors ^d										
Type	Scroll		Scroll		Scroll		Scroll		Scroll	
Quantity	2		2		2		2		2	
Unit Capacity Steps (%)	50 / 100		50 / 100		50 / 100		50 / 100		50 / 100	
Condenser coil data										
Face area (sq ft)	29.0		23.8		29.0		29.0		47.5	
Rows	1		1		1		1		1	
Fins per inch	23		23		23		23		23	
Tube diameter (in./mm)	.71/18		1/25		1/25		1/25		.71/18	
Circuitry Type	2-pass Microchannel		2-pass Microchannel		2-pass Microchannel		2-pass Microchannel		2-pass Microchannel	
Evaporator coil data										
Face area (sq ft)	13.2		13.2		13.2		13.2		13.2	
Rows	3		3		3		4		4	
Fins per inch	15		15		15		15		15	
Tube diameter	0.375		0.375		0.375		0.375		0.375	
Circuitry Type	Intertwined		Intertwined		Intertwined		Intertwined		Intertwined	
Refrigerant control	TXV		TXV		TXV		TXV		TXV	
Reheat option coil data										
Face area (sq ft)	10		10		10		10		10	
Rows	1		2		2		2		2	
Fins per inch	13		13		13		13		13	
Tube diameter	3/8		3/8		3/8		3/8		3/8	
Condenser fan data										
Quantity of fans	2		2		2		2		4	
Fan diameter (in.)	24		24		24		24		24	
Type	Prop		Prop		Prop		Prop		Prop	
Drive type	Direct		Direct		Direct		Direct		Direct	
Quantity of motors	2		2		2		2		4	
Motor HP each	1/3		3/4		3/4		3/4		1/3	
No. speeds	1		1		1		1		1	
RPM	850		1110		1110		1110		850	

Table 7: KJ078-150 Physical data

	Component	Models									
		KJ078		KJ090		KJ102		KJ120		KJ150	
	Nominal tonnage	6.5		7.5		8.5		10.0		12.5	
Total CFM		7400		8000		9000		9400		14000	
Belt drive evap fan data											
Quantity		1		1		1		1		1	
Fan Size (in.)		15 x 15		15 x 15		15 x 15		15 x 15		15 x 15	
Type		Centrifugal		Centrifugal		Centrifugal		Centrifugal		Centrifugal	
Motor Sheave		1VL40	1VM50	1VL40	1VM50	1VM50	1VM50	1VM50	1VM50	1VM50	1VP56
Blower Sheave		AK74	AK74	AK69	AK69	AK89	AK74	AK84	AK74	AK74	BK77
Belt		A53	A54	A52	A54	A56	A54	A56	A54	A54	BX56
Motor HP each		1-1/2	2	1-1/2	3	2	3	2	3	3	5
RPM		1725	1725	1725	1725	1725	1725	1725	1725	1725	1725
Frame size		56	56	56	56	56	56	56	56	56	184T
Filters											
Quantity - Size		4 - (24 x 20 x 2)		4 - (24 x 20 x 2)		4 - (24 x 20 x 2)		4 - (24 x 20 x 2)		4 - (24 x 20 x 2)	
❶	Note: 1. Cooling only unit or cooling unit with electric heat 2. Cooling unit with gas heat 3. First Stage 60% of full capacity 4. KJ078 through KJ150 have crankcase heaters standard.										