

THE NEW GENERATION OF OIL-FIRED WARM AIR FURNACES



4-WAY MULTIPOISE (KHM)

CHE 96%+ LOWBOY REAR BREECH (KLC)

LOWBOY FRONT BREECH (KLF)

LOWBOY REAR BREECH (KLR)

+ PERFORMANCE



ENERGY STAR® CERTIFIED
AT ALL FIRING RATES*

+ COMFORTABLE

A MORE EVEN HEAT AND A QUICKER,
MORE PRECISE RESPONSE TO A CALL
FOR HEAT FROM THE THERMOSTAT

+ ECONOMICAL OPERATION

ANNUAL EFFICIENCY RANGING
FROM 86% TO 96.7%
HIGH-EFFICIENCY ECM BLOWER MOTORS

+ EASE OF MAINTENANCE

DUE TO ITS NON-REFRACTORY COMBUSTION
CHAMBER AND TUBULAR SECONDARY
HEAT EXCHANGERS

+ VERSATILE

CERTIFIED FOR CONVERSION TO GAS BURNER
(88+ SERIES)



AFUE UP TO **96.7%** (OIL)

Applies only to KLC furnaces operating with a Riello burner



Specifications

Furnace model	KLC-100	KLR-100	KLR-200	KLF-100	KLF-200	KHM-100	KHM-200
Firing rate USGPH (oil)	0.55-0.65	0.55-0.65-0.75	0.85-1.00-1.15	0.55-0.65-0.75	0.85-1.00-1.10	0.55-0.65-0.75	0.85-1.00-1.15
Input capacity MBTU/H (oil)	77-91	77-91-105	119-147-161	77-91-105	119-140-154	77-91-105	119-147-161
Output capacity MBTU/H (oil)	74-87	66-79-91	102-126-139	66-79-91	102-119-132	66-79-91	102-126-139
AFUE % (oil)	96.7	86.2 to 87.1	86.5 to 87.8	86.2 to 87.1	86.3 to 88.6	86.0 to 86.8	86.4 to 87.5
ENERGY STAR certification at every firing rate* (oil, ECM motor only)	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Input capacity MBTU/H (gas)	N/A	105	155	105	155	105	155
Output capacity MBTU/H (gas)	N/A	87	131	87	131	87	131
AFUE % (gas)	N/A	83.5	83.5	83.5	83.5	83.5	83.5
A/C ready electronic operating control	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Chimney vent	No	Yes	Yes	Yes	Yes	Yes	Yes
Direct vent – Granby DVS (oil)	No	Optional	Optional	Optional	Optional	Optional	Optional
Approved plastic through the wall or roof venting options	Yes	No	No	No	No	No	No
PSC blower motor hp – number speeds	N/A	1/2 hp-4	3/4 hp-4	1/2 hp-4	3/4 hp-4	1/2 hp-4	3/4 hp-4
CFM at 0.50" wc (ext. static pressure)	N/A	1275	2030	1275	2030	1275	2030
ECM blower motor hp – number speeds*	1/2 hp-5	1/2 hp-5	3/4 hp-5	1/2 hp-5	3/4 hp-5	1/2 hp-5	3/4 hp-5
CFM at 0.50" wc (ext. static pressure)	1230	1230	1910	1230	1910	1230	1910

Dimensions (in.)

Height	36 7/8	33	33	29 3/8	35 1/8	46 1/4	49 7/8
Width	21 1/2	21 1/2	21 1/2	21 1/2	21 1/2	21 7/16	21 7/16
Depth	50 1/4	49 1/8	55 1/8	53 5/8	52 5/8	26	30
Supply plenum size	20 x 20	20 x 20	20 x 24	18 x 21 3/4	20 x 24	20 x 20	24 x 20
Return plenum size	20 x 20	20 x 20	20 x 22	18 x 20 3/4	20 x 20	18 x 18	23 x 18

*Certification to ENERGY STAR version 4.0 (with ECM motor)

Venting options:

- Coaxial plastic venting through the wall or through the roof or two-pipe plastic venting through the wall (KLC, Riello burner only.)
- Single-pipe plastic venting through an existing chimney chase using a conventional combustion burner (KLC, Riello burner only.)
- Chimney and conventional burner (KLF, KLR, KHM, Riello and Beckett burners.)
- Sealed combustion using the optional Granby Direct Vent System (DVS). Applies to oil heating only. KLF, KLR, KHM; Riello burner only.)



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