



DM97MC / DC97MC

MODULATING, VARIABLE-SPEED ECM GAS FURNACE UP TO 98% AFUE

Heating Input: 60,000–120,000 BTU/h



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■ Standard Features

- ComfortNet™ Communicating System compatible
- Heavy-duty stainless-steel tubular heat exchanger
- Stainless-steel secondary heat exchanger
- Self-calibrating modulating gas valve auto-configure for each installation
- Durable Silicon Nitride igniter
- Quiet variable-speed induced draft blower
- Utilizes ComfortNet™ communicating, two-stage or single-stage thermostats
- Self-diagnostic control board with constant memory fault code history output to a dual 7-segment display
- Color-coded low-voltage terminals with provisions for electronic air cleaner and humidifier
- Efficient and quiet variable-speed airflow system gently ramps up or down according to heating or cooling demand
- Multiple continuous fan speed options offer quiet air circulation
- Auto-Comfort and enhanced dehumidification modes available
- All models comply with California 40 ng/l Low NOx emissions standard

■ Cabinet Features

- Designed for multi-position installation — DM97MC: upflow, horizontal left or right DC97MC: downflow, horizontal left or right
- Certified for direct vent (2-pipe) or non-direct vent (1-pipe)
- Easy-to-install top venting with optional side venting
- Convenient left or right connection for gas and electrical service
- Cabinet air leakage (Q_{Leak}) $\leq 2\%$
- Heavy-gauge steel cabinet with durable finish
- Fully insulated heat exchanger and blower section
- Airtight solid bottom or side return with easy-cut tabs for effortless removal in bottom air-inlet applications



* Complete warranty details available from your local dealer or at www.daikincomfort.com. To receive the Lifetime Heat Exchanger Limited Warranty (good for as long as you own your home), the 12-Year Unit Replacement Limited Warranty and the 12-Year Parts Limited Warranty, online registration must be completed within 60 days of installation. Additional requirements for annual maintenance are required for the Unit Replacement Limited Warranty. Online registration and some of the additional requirements are not required in California or Quebec.

	D	M	97	M	C	060	3	B	N	A	A	
	1	2	3,4	5	6	7,8,9	10	11	12	13	14	
Brand												Minor Revision
D - Daikin Brand												A - Initial Release
												B - 1st Revision
Configuration												Major Revision
M - Upflow/Horizontal												A - Initial Release
C - Downflow/Horizontal												B - 1st Revision
AFUE												NOx
92 - 92% AFUE												N - Low NOx
96 - 96% AFUE												
												Cabinet Width
Gas Valve												B - 17.5"
M - Modulating												C - 21"
V - 2 Stage												D - 24.5"
												Maximum CFM
Motor												2 - 800 CFM
C - Variable Speed ECM / ComfortNet												3 - 1200 CFM
E - Multi-Speed ECM												4 - 1600 CFM
S - Single Speed												5 - 2000 CFM
MBTU/h												
040 - 40,000 BTU/h												
060 - 60,000 BTU/h												
080 - 80,000 BTU/h												

	DM97MC 0603BNA	DM97MC 0803BNA	DM97MC 0804CNA	DM97MC 1005CNA	DM97MC 1205DNA	DC97MC 0603BNA	DC97MC 0803BNA	DC97MC 0804CNA	DC97MC 1005CNA
HEATING DATA									
High Fire Input ¹	60,000	80,000	80,000	100,000	120,000	60,000	80,000	80,000	100,000
High Fire Output ¹	58,800	77,600	78,400	97,000	116,400	58,200	77,600	77,600	97,000
Low-Fire Steady-State Input ¹	30,000	40,000	40,000	50,000	60,000	30,000	40,000	40,000	50,000
Low-Fire Steady-State Output ¹	29,400	38,800	39,200	48,500	58,200	29,100	38,800	38,800	48,500
AFUE ²	98	97	98	97	97	97	97	97	97
Temperature Rise Range (°F)	25 - 55	30 - 60	25 - 55	35 - 65	35 - 65	35 - 65	35 - 65	35 - 65	35 - 65
Vent Diameter ³	2" - 3"	2" - 3"	2" - 3"	2" - 3"	2" - 3"	2" - 3"	2" - 3"	2" - 3"	2" - 3"
No. of Burners	3	4	4	5	6	3	4	4	5
CIRCULATOR BLOWER									
Available AC @ 0.5" ESP	1.5 - 3	1.5 - 3	1.5 - 4	2 - 5	2 - 5	1.5 - 3	1.5 - 3	1.5 - 4	2 - 5
Size (D x W)	11" x 8"	11" x 8"	11" x 10"	11" x 10"	11" x 11"	11" x 8"	11" x 8"	11" x 10"	11" x 10"
Horsepower @ 1075 RPM	½	½	¾	1	1	½	½	¾	1
Speed	VS ECM	VS ECM	VS ECM	VS ECM	VS ECM	VS ECM	VS ECM	VS ECM	VS ECM
FILTER SIZE (IN²)									
Permanent	739	766	862	862	1,035	517	690	690	862
Disposable	370	383	431	431	517	259	345	345	431
ELECTRICAL DATA									
Min. Circuit Ampacity ⁴	8.8	8.8	11.6	15.4	15.4	8.8	8.8	11.6	15.4
Max. Overcurrent Device (amps) ⁵	15	15	15	20	20	15	15	15	20
SHIPPING WEIGHT (LBS)									
	118	121	142	144	157	117	122	144	146

¹ Natural Gas BTU/h

² DOE AFUE based upon Isolated Combustion System (ICS)

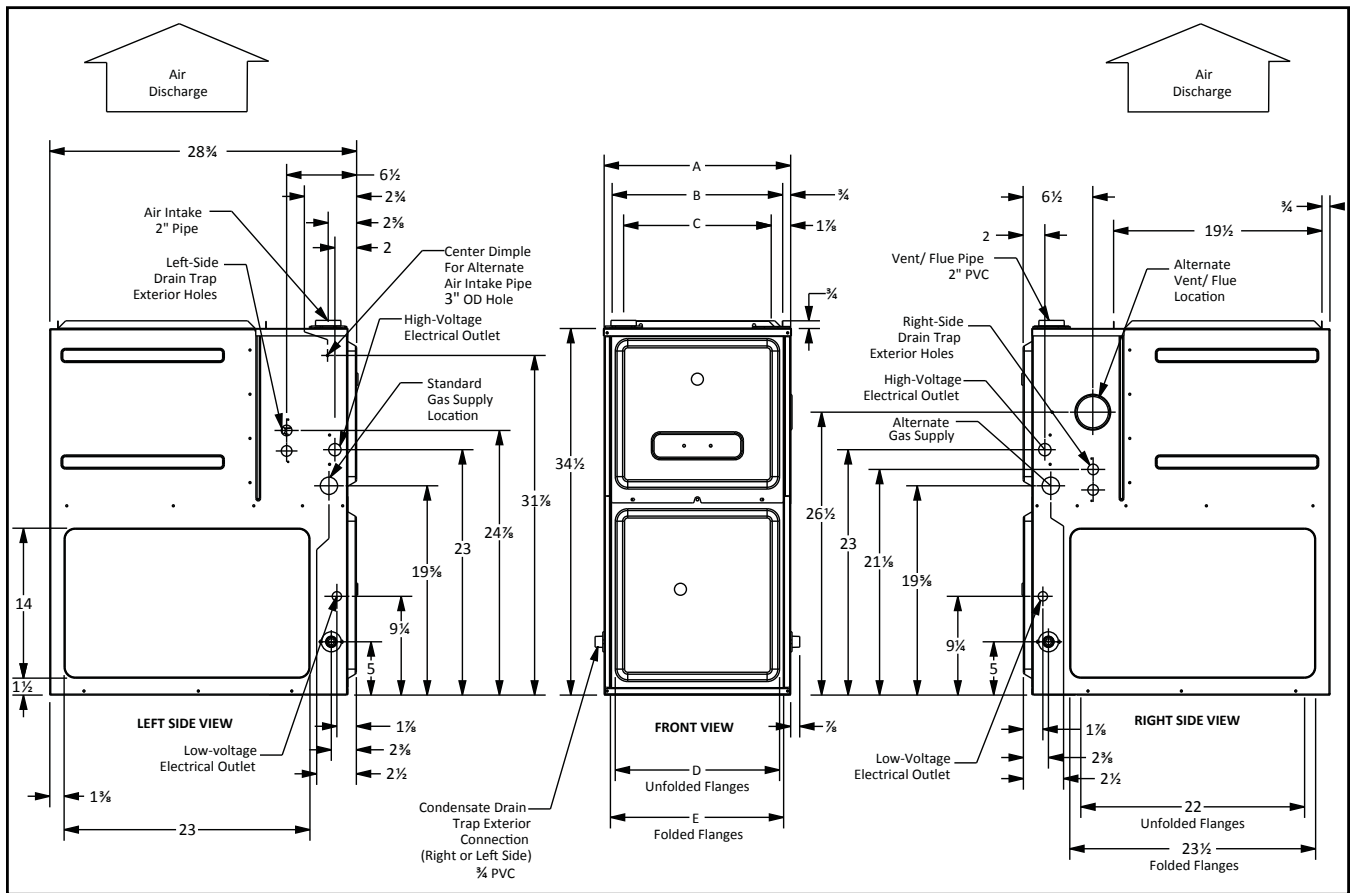
³ Installer must supply one or two PVC pipes: one for combustion air (optional) and one for the flue outlet (required). Vent pipe must be either 2" or 3" in diameter, depending upon furnace input, number of elbows, length of run and installation (1 or 2 pipes). The optional Combustion Air Pipe is dependent on installation/code requirements and must be 2" or 3" diameter PVC.

⁴ Minimum Circuit Ampacity = (1.25 x Circulator Blower Amps) + ID Blower amps. Wire size should be determined in accordance with National Electrical Codes. Extensive wire runs will require larger wire sizes.

⁵ Maximum Overcurrent Protection Device refers to maximum recommended fuse or circuit breaker size. May use fuses or HACR-type circuit breakers of the same size as noted.

NOTES

- All furnaces are manufactured for use on 115 VAC, 60 Hz, single-phase electrical supply.
- Gas Service Connection ½" FPT
- Important: Size fuses and wires properly and make electrical connections in accordance with the National Electrical Code and/or all existing local codes.
- For bottom return: Failure to unfold flanges may reduce airflow by up to 18%. This could result in performance and noise issues.
- For servicing or cleaning, a 24" front clearance is required. Unit connections (electrical, flue and drain) may necessitate greater clearances than the minimum clearances listed above. In all cases, accessibility clearance must take precedence over clearances from the enclosure where accessibility clearances are greater.



MODEL	W	D	H
DM97MC0603BNA	17 1/2"	28 3/8"	34 1/2"
DM97MC0803BNA	17 1/2"	28 3/8"	34 1/2"
DM97MC0804CNA	21"	28 3/8"	34 1/2"
DM97MC1005CNA	21"	28 3/8"	34 1/2"
DM97MC1205DNA	24 1/2"	28 3/8"	34 1/2"

	AIR DISCHARGE			AIR RETURN	
	A	B	C	D	E
DM97MC0603BNA	17 1/2"	16"	13 3/8"	12 1/8"	13 5/8"
DM97MC0803BNA	17 1/2"	16"	13 3/8"	12 1/8"	13 5/8"
DM97MC0804CNA	21"	19 1/2"	17 7/8"	16"	17 1/2"
DM97MC1005CNA	21"	19 1/2"	17 7/8"	16"	17 1/2"
DM97MC1205DNA	24 1/2"	23"	20 7/8"	19 3/8"	20 7/8"

MINIMUM CLEARANCES TO COMBUSTIBLE MATERIALS

POSITION	SIDES	REAR	FRONT	BOTTOM	FLUE	TOP
Upflow	0"	0"	3"	C	0"	1"
Horizontal	6"	0"	3"	C	0"	6"

C = If placed on combustible floor, the floor MUST be wood ONLY.