MAYTAG®

TECHNICAL SPECIFICATIONS

Model MGC3SD Series

M120 Product Line

High Efficiency, Upflow/Horizontal and Downflow Gas Furnace Models, 95% AFUE Input 38,000-120,000 Btuh

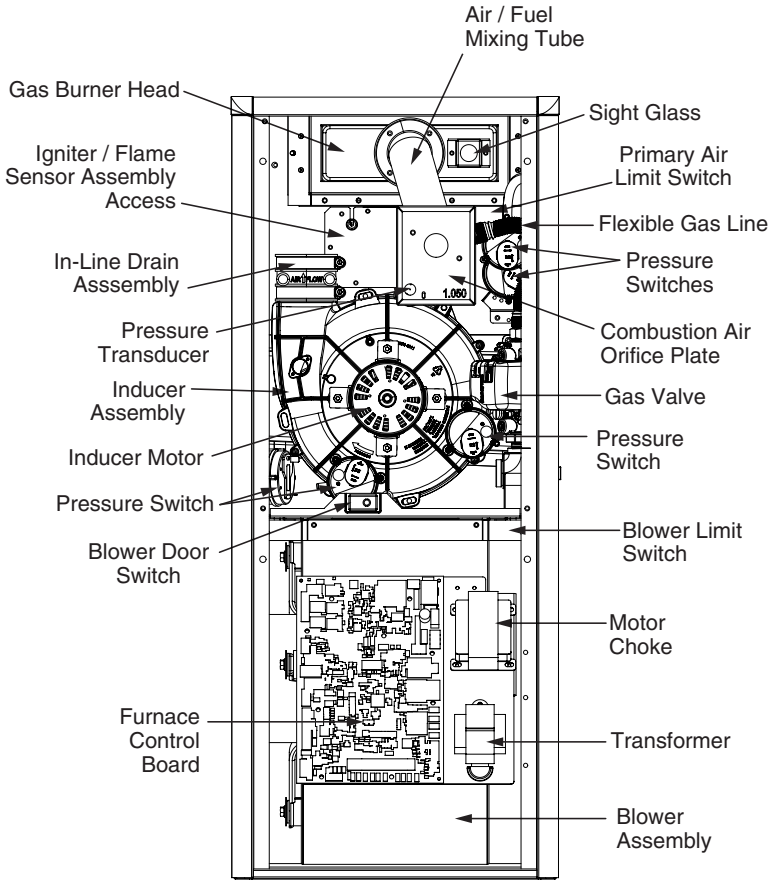
This furnace series is approved and certified by the SCAQM and the SJVAPC Districts in the state of California under each Districts' Mitigation Fee Plan for shipment into and sales in both districts.
For California installations in SCAQMD only: This furnace does not meet the SCAQMD Rule 1111 NOx emission limit (14 ng/J), and thus is subject to a mitigation fee of up to $450. This furnace is not eligible for the Clean Air Furnace Rebate Program: www.CleanAirFurnaceRebate.com.

The high efficiency gas furnace may be installed free standing in a utility room, basement, or enclosed in an alcove or closet. The rounded corner jacket provides a pleasing "appliance appearance." Design certified by CSA for application in Canada and the United States.

Features and Benefits

- **Ultra-low emissions:** 65% less NOx than standard furnaces.
- **100% fired and tested:** All units and each component are tested on the manufacturing line.
- **Best packaging in the industry:** Unique corner post design assures product will arrive to the homeowner dent free.
- **Low Boy Height:** Easy to apply in low ceiling applications, works well with taller high SEER coils, easier to handle and install.
- **Tubular primary heat exchanger:** Heavy gauge aluminized steel heat exchanger assures a long life.
- **30 second blower delay at start-up:** Assures a warm duct temperature at furnace start-up. Adjustable blower off settings (60, 90, 120 and 180 seconds).
- **30 second post purge:** Increases life of heat exchanger.
- **Hot surface igniter:** Innovative application of a silicon nitride igniter.
- **Color coded wire harness:** Designed to fit the components, all with quick-connect fittings for ease of service and replacement.
- **High static blowers:** All models equipped with high static blowers.
- **60 second cooling cycle blower-off delay (TDR):** Increases cooling performance when matched with a Nortek Global HVAC coil.
- **Flexible category IV venting system:** May be vented with dedicated venting system or common vented with other category one appliances.
- **High efficiency blower kits:** Maximize efficiencies and provide better temperature control, humidity control and air distribution.
- **Multi-speed direct drive blower:** Energy-efficient, brushless DC (ECM). Designed to give a wide range of cooling capacities.
- **Diagnostic lights for easy troubleshooting without counting flashes:** Dedicated light for flame signal strength and 2 lights in combination to indicate all other fault codes with easy to recognize states without counting flashes.
- **Integrated control board:** Incorporates connections for electronic air cleaner and humidifier. Ergonomically located for ease of service.
- **Two piece door design:** Enhances furnace appearance and uses captured screws to prevent loosing door screws.
- **Furnace Air Leakage:** These furnaces comply with Energy Star cabinet air leakage requirement of less than or equal to 2%. Keep the conditioned air flowing to where it's needed.

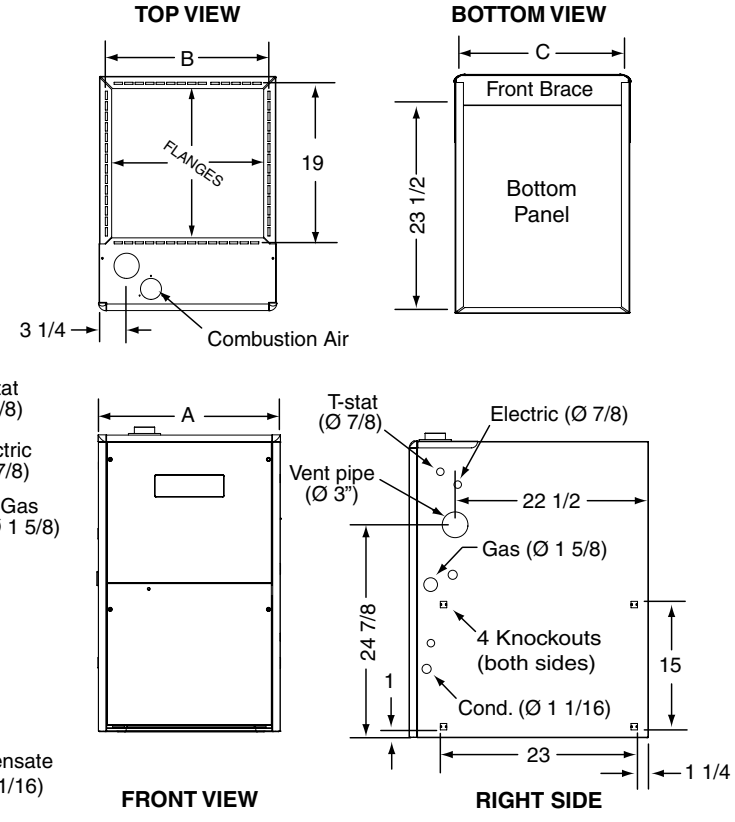
COMPONENTS



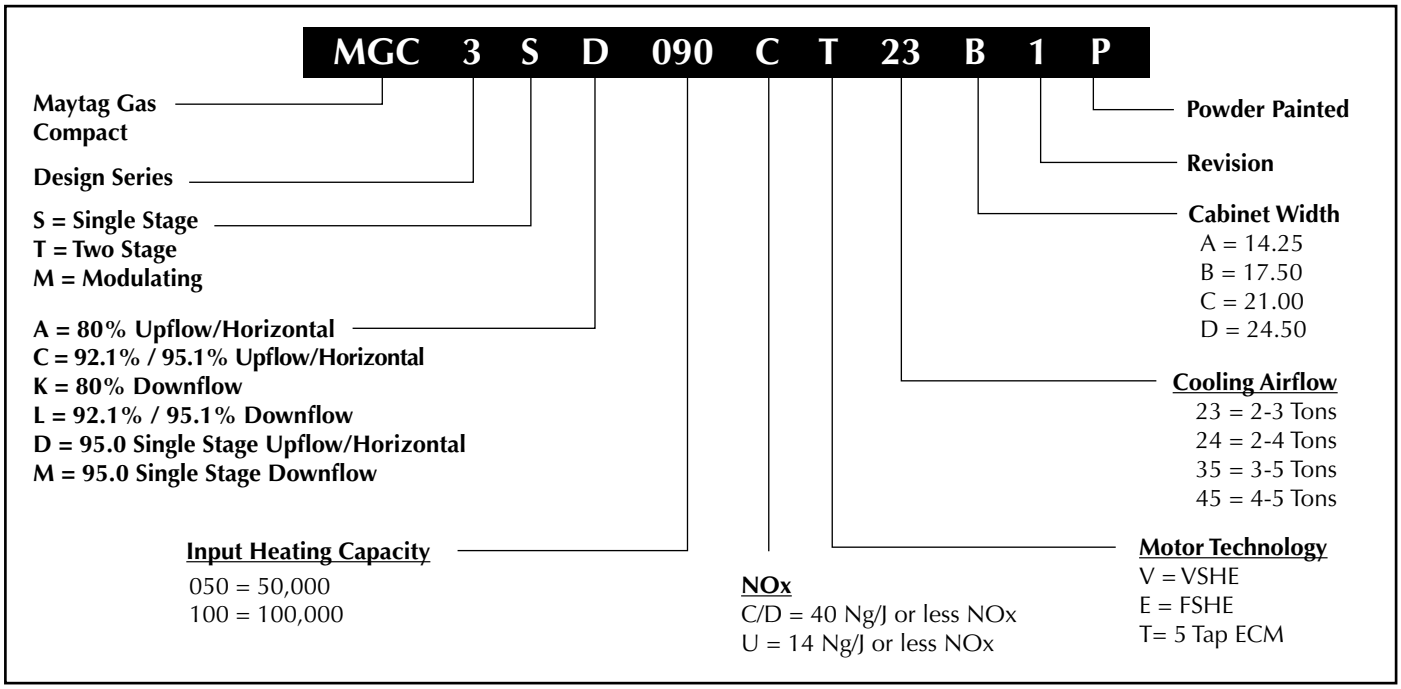
DIMENSIONS

Ultra-Low NOx Furnace				
Model #'s	**Dim -A-**	**Dim -B-**	**Dim -C-**	**Dim -D-**
050U	14 1/4	10 3/4	12 5/8	12 7/8
100U	21	14	19 3/8	19 7/8

NOTE: Dimensions shown in inches.



IDENTIFICATION CODE



SPECIFICATIONS

MGC3SD MODEL NUMBERS:	-050U-T23A1	-100U-T35C1
Input - Btuh (a)	50,000	100,000
Heating Capacity - Btuh	48,000	95,000
AFUE	95	95
Motor H.P. - Speed - Type	3/4 - 9 - ECM	1 - 9 - ECM
Motor FLA	8.4	11
Rated Ext. SP - In. W.C.	0.5	0.5
Temperature Rise Range - ºF	30-60	35-65
Shipping Weights	115lbs	153lbs
NOx	<14ng/J	<14ng/J

BLOWER PERFORMANCE MGC3SD

Heating Airflow (CFM) & Temperature Rise (°F)

Model Number & Heating Input (Btuh)	Return Air Via:	Motor Speed	Torque Setting	External Static Pressure (Inches Water Column)									
				0.1		0.2		0.3		0.4		0.5	
				CFM	Rise	CFM	Rise	CFM	Rise	CFM	Rise	CFM	Rise
-050U-T23A*	Bottom	Tap 9	**51.0**										
		Tap 8	**42.0**										
		Tap 7	33.0										
		Tap 6	27.6										
		Tap 5	22.5	970	45	935	47	915	48	880	50	845	52
		Tap 4	18.2	875	50	835	53	810	54	770	57	735	60
		Tap 3	16.2	835	53	795	55	765	57				
		Tap 2	9.5										
		Tap 1	6.0										
	Side	Tap 9	**51.0**										
		Tap 8	**42.0**										
		Tap 7	33.0										
		Tap 6	27.6										
		Tap 5	22.5	935	47	915	48	880	50	845	52	805	55
		Tap 4	18.2	850	52	815	54	780	56	745	59		
		Tap 3	16.2	815	54	775	57	740	59				
		Tap 2	9.5										
		Tap 1	6.0										

Cooling Airflow (CFM)

Model Number & Heating Input (Btuh)	Return Air Via:	Motor Speed	Torque Setting	External Static Pressure (Inches Water Column)							
				0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8
				CFM	CFM	CFM	CFM	CFM	CFM	CFM	CFM
-050U-T23A*	Bottom	Tap 9	**51.0**	1,420	1,395	1,360	1,330	1,300	1,280	1,245	1,220
		Tap 8	**42.0**	1,310	1,270	1,245	1,215	1,180	1,145	1,120	1,095
		Tap 7	33.0	1,180	1,145	1,115	1,085	1,050	1,020	990	955
		Tap 6	27.6	1,085	1,050	1,015	985	950	920	890	855
		Tap 5	22.5	970	935	915	880	845	810	780	745
		Tap 4	18.2	875	835	810	770	735	700	665	630
		Tap 3	16.2	835	795	765	725	690	655	615	580
		Tap 2	9.5	650	590	560	520	465	430	380	340
		Tap 1	6.0	550	485	450	405	330	290	250	195
	Side	Tap 9	**51.0**	1,410	1,380	1,350	1,315	1,285	1,255	1,225	1,200
		Tap 8	**42.0**	1,290	1,260	1,230	1,195	1,160	1,135	1,100	1,070
		Tap 7	33.0	1,145	1,115	1,090	1,055	1,030	995	960	920
		Tap 6	27.6	1,045	1,015	980	950	920	885	855	825
		Tap 5	22.5	935	915	880	845	805	775	745	695
		Tap 4	18.2	850	815	780	745	715	665	625	585
		Tap 3	16.2	815	775	740	700	675	620	575	540
		Tap 2	9.5	605	575	530	495	445	390	325	235
		Tap 1	6.0	495	470	410	365	320	260	160	

NOTES:
1. To comply with government mandated efficiency standards, two openings are required for airflows above 1,600 CFM.
2. Data is shown without filter.
3. Temperature rises in the table are approximate. Actual temperature rises may vary.
4. Individual cells shaded in gray indicate a temperature rise outside of the recommended range.
5. To comply with government mandated efficiency standards, speed settings shaded in gray are not allowed in HEAT mode.

* Factory COOL setting, ** Factory HEAT setting, *** Factory FAN setting.
If the alternate speed is to be used, the speed tap must be adjusted at the blower motor plug.

BLOWER PERFORMANCE MGC3SD (CONTINUED)

Heating Airflow (CFM) & Temperature Rise (°F)												
Model Number & Heating Input (Btuh)	Return Air Via:	Motor Speed	External Static Pressure (Inches Water Column)									
			0.1		0.2		0.3		0.4		0.5	
			CFM	Rise	CFM	Rise	CFM	Rise	CFM	Rise	CFM	Rise
-100U-T23A*	Bottom Only	Tap 9										
		Tap 8										
		Tap 7										
		Tap 6 *	1,850	48	1,790	49	1,745	50	1,700	52	1,650	53
		Tap 5 **	1,745	50	1,690	52	1,645	53	1,590	55	1,535	57
		Tap 4	1,480	59	1,420	62	1,360	65	1,300		1,230	
		Tap 3	1,315		1,245		1,170		1,100		1,025	
		Tap 2	1,140		1,055		975		890		820	
		Tap 1 ***	1,025		920		830		745		690	
	Side Only	Tap 9										
		Tap 8										
		Tap 7										
		Tap 6 *	1,785	49	1,740	51	1,690	52	1,640	54	1,590	55
		Tap 5 **	1,690	52	1,640	54	1,595	55	1,540	57	1,490	59
		Tap 4	1,435	61	1,375	64	1,300		1,250		1,195	
		Tap 3	1,265		1,190		1,140		1,070		1,005	
		Tap 2	1,095		1,015		945		870		790	
		Tap 1 ***	980		905		835		740		665	
	Botton + Side	Tap 9										
		Tap 8										
		Tap 7										
		Tap 6*	1,865	47	1,810	49	1,755	50	1,695	52	1,645	53
		Tap 5**	1,760	50	1,705	52	1,655	53	1,595	55	1,535	57
		Tap 4	1,495	59	1,430	62	1,365	64	1,290		1,235	
		Tap 3	1,325		1,245		1,175		1,095		1,035	
		Tap 2	1,175		1,065		965		900		810	
		Tap 1 ***	1,040		930		850		750		680	

NOTES:
1. To comply with government mandated efficiency standards, two openings are required for airflows above 1,600 CFM.
2. Data is shown without filter.
3. Temperature rises in the table are approximate. Actual temperature rises may vary.
4. Individual cells shaded in gray indicate a temperature rise outside of the recommended range.
5. To comply with government mandated efficiency standards, speed settings shaded in gray are not allowed in HEAT mode.

* Factory COOL setting, ** Factory HEAT setting, and *** Factory FAN setting.
If the alternate speed is to be used, refer to the installation instructions for Speed Tap Selection.

ACCESSORIES

MGC3SD KITS	
Description	**SKU**
Side return filter kit	541036

BLOWER PERFORMANCE MGC3SD (CONTINUED)

Heating Airflow (CFM) & Temperature Rise (°F)										
Model Number & Heating Input (Btuh)	Return Air Via:	Motor Speed	External Static Pressure (Inches Water Column)							
			0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8
			CFM	Rise	CFM	Rise	CFM	Rise	CFM	Rise
-100U-T23A*	Bottom Only	Tap 9	2,250	2,250	2,190	2,130	2,080	2,025	1,975	1,915
		Tap 8	2,055	2,010	1,970	1,900	1,840	1,790	1,730	1,675
		Tap 7	1,900	1,845	1,795	1,750	1,700	1,650	1,575	1,520
		Tap 6 *	1,850	1,790	1,745	1,700	1,650	1,595	1,535	1,470
		Tap 5 **	1,745	1,690	1,645	1,590	1,535	1,485	1,420	1,365
		Tap 4	1,480	1,420	1,360	1,300	1,230	1,165	1,110	1,055
		Tap 3	1,315	1,245	1,170	1,100	1,025	975	915	860
		Tap 2	1,140	1,055	975	890	820	765	705	660
		Tap 1 ***	1,025	920	830	745	690	625	580	500
	Side Only	Tap 9	2,155	2,110	2,075	2,020	1,975	1,965	1,950	1,900
		Tap 8	1,980	1,940	1,890	1,850	1,805	1,760	1,710	1,650
		Tap 7	1,835	1,785	1,740	1,685	1,635	1,585	1,545	1,495
		Tap 6 *	1,785	1,740	1,690	1,640	1,590	1,540	1,490	1,440
		Tap 5 **	1,690	1,640	1,595	1,540	1,490	1,440	1,390	1,340
		Tap 4	1,435	1,375	1,300	1,250	1,195	1,140	1,080	1,020
		Tap 3	1,265	1,190	1,140	1,070	1,005	935	875	815
		Tap 2	1,095	1,015	945	870	790	715	665	615
		Tap 1 ***	980	905	835	740	665	590	525	440
	Botton + Side	Tap 9	2,245	2,195	2,155	2,095	2,065	2,070	2,015	1,950
		Tap 8	2,080	2,030	1,980	1,930	1,880	1,820	1,765	1,705
		Tap 7	1,915	1,875	1,820	1,765	1,715	1,655	1,600	1,535
		Tap 6*	1,865	1,810	1,755	1,695	1,645	1,585	1,530	1,485
		Tap 5**	1,760	1,705	1,655	1,595	1,535	1,480	1,430	1,370
		Tap 4	1,495	1,430	1,365	1,290	1,235	1,170	1,115	1,065
		Tap 3	1,325	1,245	1,175	1,095	1,035	970	910	855
		Tap 2	1,175	1,065	965	900	810	775	705	635
		Tap 1 ***	1,040	930	850	750	680	610	560	475

NOTES:
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* Factory COOL setting, ** Factory HEAT setting, and *** Factory FAN setting.
If the alternate speed is to be used, refer to the installation instructions for Speed Tap Selection.

MAYTAG®

Before purchasing this appliance, read important energy cost and efficiency information available from your retailer. Specifications and illustrations subject to change without notice and without incurring obligations.

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