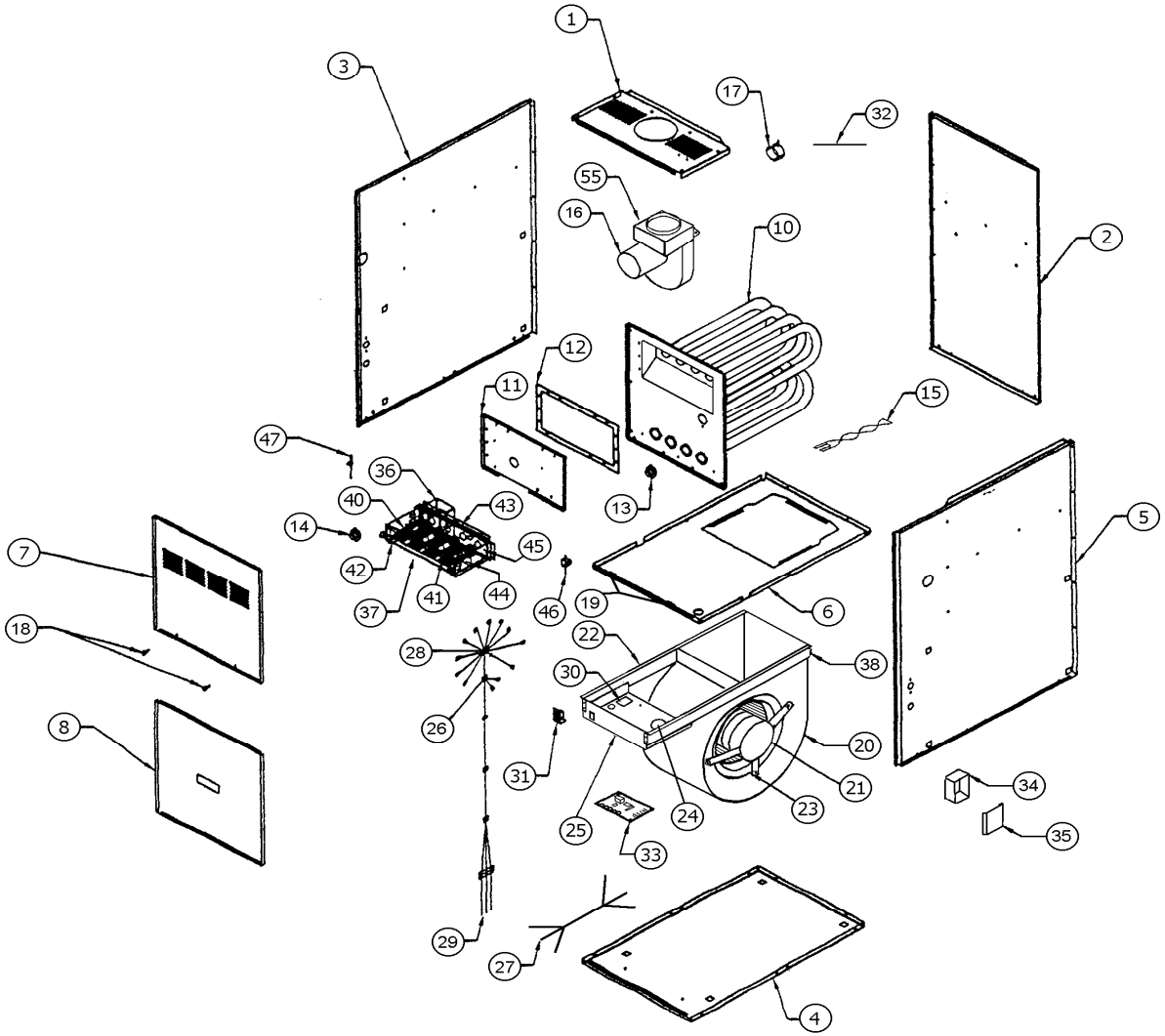
MODEL GTM DIAGRAM



GTM Series Gas-Fired 80% Efficiency Upflow / Horizontal Furnace							
Key No.	Description	GTM 050	GTM 070	GTM 085	GTM 085T	GTM 100	GTM 100T
	Cabinet Group						
1	Top Panel	N/A	N/A	N/A	N/A	N/A	N/A
2	Rear Panel	N/A	N/A	N/A	N/A	N/A	N/A
3	Left Side Panel Assembly	N/A	N/A	N/A	N/A	N/A	N/A
4	Base Panel	N/A	N/A	N/A	N/A	N/A	N/A
5	Right Side Panel Assembly	N/A	N/A	N/A	N/A	N/A	N/A
6	Blower Division Panel Assembly	N/A	N/A	N/A	N/A	N/A	N/A
7	Upper Front Door Panel	N/A	N/A	N/A	N/A	N/A	N/A
8	Blower Door Panel	N/A	N/A	N/A	N/A	N/A	N/A
	Door Handle, PS-18	28673	28673	28673	28673	28673	28673
	Angle, Inner Front Side, (*2 Required*)	28713	28713	28713	28713	28713	28713
	Air Baffle, Rear	29487	29484	29484	29484	29484	29484
	Air Baffle, Left-side Panel	N/A	29483	29483	29483	29483	29483
	Air Baffle, Right-Side Panel	N/A	29483	29483	29483	29483	29483
	Heat Exchanger Group						
10	Heat Exchanger Assembly	29511	29512	29513	29513	29514	29514
11	Flue Box Cover	29453	29454	29455	29455	29456	29456
12	Flue Box Gasket	29481	29481	29482	29482	29482	29482
15	Heat Exchanger Tube Turbulator Baffle	28745 (3)	28745 (4)	28745 (5)	28745 (5)	28745 (6)	28745 (6)
	Blower Group						
20	Blower, c/w Wheel, Morrison 100-8 DD, 05-23655	30261	30261	- - -	- - -	- - -	- - -
	Blower Wheel, 10-8, CM 1020-800	26610	26610	- - -	- - -	- - -	- - -
20	Blower, c/w Wheel, Morrison 100-10R DD	- - -	- - -	550001535	- - -	550001535	- - -
	Blower Wheel, CM 1020-1020	- - -	- - -	26430	- - -	26430	- - -
20	Blower, c/w Wheel, GT12-10 DD, Delhi 9010092	- - -	- - -	- - -	550001536	- - -	550001536
	Blower Wheel, 12-10, Delhi 6030196	- - -	- - -	- - -	29692	- - -	29692
21	Blower Motor, 1/3 hp, 3-Speed, PSC, AOS F48R02A51	29458	29458	- - -	- - -	- - -	- - -
21	Blower Motor, 1/2 hp, 4-Speed, PSC, G.E. 5KCP39LGY723BS	- - -	- - -	102000131	- - -	102000131	- - -
	Alt: Blower 1/2 HP Motor Kit W/ Mounting Hardware, No Capacitor		- - -	27836	- - -	27836	- - -
	Alt: Blower 1/2 HP Motor Kit W/ Capacitor, No Hardware		- - -	550001530	- - -	550001530	- - -
21	Blower Motor, 3/4 hp, 4-Speed, PSC, G.E. 5KCP39RGU691AS	- - -	- - -	- - -	102000132	- - -	102000132
	Alt: Blower 3/4 HP Motor Kit W/ Capacitor, No Hardware		- - -	- - -	550001531	- - -	550001531
22	Blower Support, (*Slide Rails Assembly*)	N/A	N/A	N/A	N/A	N/A	N/A
23	Blower Motor Mounting Arm, (*3 Required*)	26251	26251	26251	17812	26251	17812
24	Blower Motor Mounting Band	17811	17811	17811	17811	17811	17811
25	Control Panel	29450	29450	28710	28710	28710	28710

	GTM Series Gas-Fired 80% Efficiency Upflow / Horizontal Furnace						
Key No.	**Description**	**GTM 050**	**GTM 070**	**GTM 085**	**GTM 085T**	**GTM 100**	**GTM 100T**
26	Blower Motor Capacitor, 7.5 mfd @ 370 vac, M22P3707N00E-1	27742	27742	- - -	- - -	- - -	- - -
26	Blower Motor Capacitor, 10 mfd @ 370 vac, M10CY17 1604	- - -	- - -	27743	- - -	27743	- - -
26	Blower Motor Capacitor, 20 mfd @ 370 vac, M20CY10	- - -	- - -	- - -	27745	- - -	27745
	Electrical & Controls Group						
30	Transformer, 115/24 v, 40 VA, BE161640REK0028	550001533	550001533	550001533	550001533	550001533	550001533
31	Blower Door Safety Switch, TA22BTLB	19172	19172	19172	19172	19172	19172
	Blower Door Safety Switch Bracket	18932	18932	18932	18932	18932	18932
32	Wire Harness - Supply to FTB	29748	29748	29748	29748	29748	29748
32	Wire Harness - FTB to Blower	29747	29747	29747	29747	29747	29747
32	Wire Harness - Controls, Valve, & IDB	29421	29421	29421	29421	29421	29421
32	Wire Harness - Junction Box, (Pigtail)	29366	29366	29366	29366	29366	29366
33	Fan/Timer Board, Honeywell ST9120U1011	550002269	550002269	550002269	550002269	550002269	550002269
35	Induced Blower Replacement Kit	29794	29794	29794	29794	29794	29794
36	Gas Valve / Ignition Control, Honeywell SV9520M2403B	28683	28683	28683	28683	28683	28683
37	Pressure Switch, IDB, -0.55" w.c., Tridelta IS2 0136-3306B	550001509	550001509	550001509	550001509	550001509	550001509
39	Primary Limit Switch, 60T11 L180, BOF, 314110	550001506	550001506	550001506	- - -	550001506	- - -
39	Primary Limit Switch, 60T11 L150, BOF, 314210	- - -	- - -	- - -	550001525	- - -	550001525
	Junction Box	N/A	N/A	N/A	N/A	N/A	N/A
	Junction Box Cover	28722	28722	28722	28722	28722	28722
	Burner Group						
	Burner Assembly, Complete, Natural Gas	N/A	N/A	N/A	N/A	N/A	N/A
36	Gas Valve / Ignition Control, Honeywell SV9520M2403B	28683	28683	28683	28683	28683	28683
40	Inshot Burner, Beckett Tab-Loc DM007	28697 (3)	28697 (4)	28697 (5)	28697 (5)	28697 (6)	28697 (6)
41	Burner Orifice, NG, SL, 1.95 mm	28758 (3)	28758 (4)	28758 (5)	28758 (5)	28758 (6)	28758 (6)
41	Burner Orifice, L.P., SL, 1.20 mm	28876 (3)	28876 (4)	28876 (5)	28876 (5)	28876 (6)	28876 (6)
41	Burner Orifice, NG, HA, 1.90 mm, (Cdn.)	28875 (3)	28875 (4)	28875 (5)	28875 (5)	28875 (6)	28875 (6)
41	Burner Orifice, L.P., HA, 1.15 mm, (Cdn.)	28877 (3)	28877 (4)	28877 (5)	28877 (5)	28877 (6)	28877 (6)
42	Burner Manifoild Pipe Assembly	N/A	N/A	N/A	N/A	N/A	N/A
43	Combustion Box	N/A	N/A	N/A	N/A	N/A	N/A
44	Burner Support	N/A	N/A	N/A	N/A	N/A	N/A
45	Burner Inlet Orifice Plate	N/A	N/A	N/A	N/A	N/A	N/A
46	Hot Surface Ignitor, Norton 601 Type F, 120 v, MB483120	28685	28685	28685	28685	28685	28685
47	Flame Sensor, c/w 8" Leads, Honeywell 272872	28687	28687	28687	28687	28687	28687
48	Flame Roll-Out Switch, 36TX16 - L300°F, (*2 per unit*)	550001507	550001507	550001507	550001507	550001507	550001507
	Miscellaneous						

	GTM Series Gas-Fired 80% Efficiency Upflow / Horizontal Furnace						
Key No.	**Description**	**GTM 050**	**GTM 070**	**GTM 085**	**GTM 085T**	**GTM 100**	**GTM 100T**
51	Air Filter, Permanent, 16 x 25 x 1	2180023	2180023	2180023	2180023	2180023	2180023
52	Air Filter Frame	18020	18020	18020	18020	18020	18020
53	Filter Frame End Support	5592B2	5592B2	5592B2	5592B2	5592B2	5592B2
55	Vent Box Assembly	26912	26912	26912	26912	26912	26912
62	Thumb Screws, (*2 Required*) 10-32 x 1/2, Washer Base	2141015	2141015	2141015	2141015	2141015	2141015
	Cage Nuts, (*2 Required*) 10-32 #202-136	28873	28873	28873	28873	28873	28873
	Pressure Switch Tubing, Silicone SR200, 1/8" ID, Clear, 9-inches	11344	11344	11344	11344	11344	11344
	Installation, Operation & Maintenance Manual	N/A	N/A	N/A	N/A	N/A	N/A
	User's Manual	N/A	N/A	N/A	N/A	N/A	N/A
	Conversion Kits						
	Natural Gas to L.P. Gas Conversion Kit, 0 - 2000'	28851	28851	28851	28851	28851	28851
	L.P. Gas to Natural Gas Conversion Kit, 0 - 2000'	28852	28852	28852	28852	28852	28852
	NG & LP High Altitude Conversion Kit, Cdn., 2000' - 4500'	28882	28882	28882	28882	28882	28882

GTM Series Gas-Fired 80% Efficiency Upflow / Horizontal Furnace

NATURAL GAS/PROPANE UPFLOW/HORIZONTAL SPECIFICATIONS

MODEL	Altitude	Input	Output	Main Blower	External Static Pressure			Cooling Capacity
					.30"	.50"	HD	Tons
GTM 50	0-2000	50,000	40,000	10-8	Low	Med	1/3	1.5-3.0
	2000-4500	45,000	36,000	10-8	Low	Med	1/3	1.5-3.0
70	0-2000	68,000	54,400	10-8	Med	High	1/3	1.5-3.0
	2000-4500	61,200	48,960	10-8	Med	High	1/3	1.5-3.0
85	0-2000	85,000	68,000	10-10	Med-Low	Med-High	1/2	1.5-3.5
	2000-4500	76,500	61,200	10-10	Med-Low	Med-High	1/2	1.5-3.5
100	0-2000	100,000	80,000	10-10	Med-High	High	1/2	1.5-3.5
	2000-4500	90,000	72,000	10-10	Med-High	High	1/2	1.5-3.5
85-100 (6 ton)	0-2000	100,000	80,000	12-10T	Low	Med-Low	3/4	2.5-5.0
	2000-4500	90,000	72,000	12-10T	Low	Med-Low	3/4	2.5-5.0

DIMENSIONS (INCHES)

MODEL	Width	Depth	Height	Supply	Return			Vent
					Side	Bottom		
	A	B	C	F x G	D x E	J x K	L	H
GTM 50	17½	29¼	36	16½ x 20	14 x 22	14 x 22	13¾	4
70	17½	29¼	36	16½ x 20	14 x 22	14 x 22	13¾	4
85	21¼	29¼	36	20 x 20	14 x 22	14 x 22	33¾	4
100	21¼	29¼	36	20 x 20	14 x 22	14 x 22	33¾	4

CLEARANCE TO COMBUSTIBLES (INCHES)

SURFACE	UPFLOW	HORIZONTAL	
TOP	1	2	
FRONT*	3	3	
FLUE	6	6	
BACK	0	0	
SIDE or END	0	SUPPLY	RETURN
		6	0
TYPE OF FLOOR	Combustible	Combustible	

Certified for closet installation.
24" clearance required for service

Another top-quality gas furnace from a trusted name in heating for over 60 years.

GTM AIRFLOW DATA

MODEL	E.S.P. (In. w.c.)	AIRFLOW - CFM			
		LOW	MED	HIGH	
GTM 50 70	0.20	571	882	1193	
	0.30	573	882	1181	
	0.40	567	866	1147	
	0.50	555	858	1123	
	0.60	531	842	1061	
		LOW	MED-LOW	MED-HIGH	HIGH
GTM 85 100	0.20	768	1141	1512	1656
	0.30	768	1123	1448	1572
	0.40	750	1099	1389	1475
	0.50	732	1061	1300	1390
	0.60	674	1009	1204	1250
GTM 85 100 (6 ton)	0.20	1443	1712	1823	2072
	0.30	1432	1685	1789	2020
	0.40	1380	1648	1755	1966
	0.50	1367	1611	1720	1903
	0.60	1321	1573	1666	1839