



GAS-FIRED MOBILE HOME FURNACE DOWN FLOW & DIRECT VENT (SEALED COMBUSTION) FURNACE SPECIFICATIONS

MODEL NO.	GMD1-60		GMD1-80	
HEAT INPUT RATE (BTUH)	60,000		80,000	
OUTPUT (BTUH) ¹	49,000		65,000	
SEASONAL EFFICIENCY ²	82		81	
LARGEST REC A/C ³	2.5 TONS		2.5 TONS (AS SHIPPED) 3 TONS WITH UPGRADE KIT	
FUEL	NAT	LP	NAT	LP
BURNER ORIFICE	#38	#52	2.45mm	#53
GAS SUPPLY PRESSURE (IN W.G.)				
MINIMUM REQUIRED	5.5	11	5.5	11
MAXIMUM ALLOWED	14.0	14.0	14.0	14.0
GAS MANIFOLD PRESSURE (IN W.G.)	3.5±0.3	10±0.3	3.5±0.3	10±0.3
NOMINAL TEMP. RISE	60°		70°	
VENT PIPE SIZE (IN.)	4"			
CASING HEIGHT (IN.)	57"			
CASING WIDTH (IN.)	18"			
CASING DEPTH (IN.)	25 ¾"			
APPROX. SHIPPING WEIGHT (LBS.)	165 LBS.			
APPROVAL AGENCY	ETL			
SIZE OF PERM. FILTER	18" X 24"			
ELECTRICAL REQUIREMENTS	115 VAC/ 60 HZ/ 1 PHASE			
MAX FUSE SIZE	15 AMPS			
TOTAL RATED CURRENT AMPS.	7.15			
SUPPLY AIR OUTLET SIZE (W-IN X D-IN)	12" X 12"			
RETURN AIR INLET OPENING SIZE	14" X 22"			
NOMINAL HEAT ANTICIPATOR SETTING	0.8 mA			
	ACCESSORY ITEMS			
PROGRAMMABLE T-STAT STD/DELUXE	350164 / 350165			
MOBILE HOME BASE	70-BASE			
COTTAGE BASE	01COT-BASE			
COIL CABINET	CE111S / CE211T			
3 TON A/C UPGRADE KIT (GMD1-80 ONLY)	AOPS2677			
ROOF JACK 12" OR LESS	TRJ-1			
ROOF JACK 13" TO 24"	TRJ-2			
ROOF JACK 25" TO 36"	TRJ-3			
SLOPE ADAPTOR 2-1/2-12	TSA-25			
SLOPE ADAPTOR 3-1/2-12	TSA-30			

- SEE NEXT PAGE FOR MORE DATA -

¹ OUTPUT BTUH BASED ON ANNUAL FUEL UTILIZATION EFFICIENCY RATED BY MANUFACTURER.

² SEASONAL EFFICIENCY (ALSO CALLED AFUE-ANNUAL FUEL UTILIZATION EFFICIENCY) RATINGS ARE BASED ON TESTS FOLLOWING U.S. DEPARTMENT OF ENERGY TEST PROCEDURES.

³ TO PERMIT LARGEST RECOMMENDED AIR CONDITIONING (AT .5 STATIC PRESSURE), SELECTION OF THE HIGHEST MOTOR SPEED IS REQUIRED.

MODEL NUMBER DIGIT	1	2	3	4	5	6	7
	FUEL	MOBILE HOME	CONFIGURATION	VERSION		INPUT	FUEL TYPE
GAS FURNACE MODEL NOMENCLATURE EXAMPLE MODEL NUMBERS	G	M	D	1	-	6	N
	G	M	D	1	-	8	N
G= GAS	G						
M= MOBILE HOME		M					
D= DOWNFLOW			D				
1= VERSION				1			
					-		
INPUT IN MBTUH (1000'S)						6	0
N= NATURAL GAS L= LIQUID PROPANE							N

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CLEARANCES TO COMBUSTIBLES

MODELS: GMD1-60 / GMD1-80	CLOSET	ALCOVE
FRONT	6"	18"
BACK	0"	0"
SIDES	0"	0"
ROOF JACK	0"	0"
VENT CONNECTOR	6"	6"
TOP	1"	1"
PLENUM SIDES	1"	1"
TOP AND SIDES OF DUCT	1"	1"
BOTTOM DUCT	1"	1"

BLOWER DATA

FURNACE MODEL	GMD1-60	GMD1-80	*GMD1-80
BLOWER MODEL	10-7R	10-9R	12-9T
MOTOR H.P.	1/3 HP	1/3 HP	1/2 HP
NO. OF SPEEDS	4	4	4
HIGH SPEED AIRFLOW (SCFM) @ 0.5 IN. W.G. EXTERNAL STATIC PRESSURE	1000	1000	1175
DIAMETER X WIDTH	10 X 7	10 X 9	12 X 9

*A/C UPGRADE KIT (SEE ACCESSORY ITEMS)

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GAS FIRED MOBILE HOME FURNACE SPECIFICATIONS

GMD1-60

ALTERATIONS REQ'D FOR A/C @ DESIGN EXTERNAL STATIC PRESSURE		
COOLING UNIT	HTG Speed	Recommended CLG Speed
24,000	LOW	MEDIUM LOW
30,000	LOW	HIGH

Speed Tap \ Static Pressure	Furnace Airflow (CFM) vs. External Static pressure (in. WC.)						
	0.1	0.2	0.3	0.4	0.5	0.6	0.7
Low	779	759	747	727	694	660	581
ML	925	907	886	842	809	762	709
MH	1148	1096	1058	991	934	876	827
High	1271	1207	1147	1096	1029	954	890

Speed Tap \ Static Pressure	Temperature Rise vs. External Static Pressure (in. WC.)						
	0.1	0.2	0.3	0.4	0.5	0.6	0.7
Low	58	60	61	63	66	69	78
ML	49	50	51	54	56	60	64
MH	40	42	43	46	49	52	55
High	36	38	40	42	44	48	51

Speed Tap \ Static Pressure	Furnace Motor Current Draw (Amps) vs. External Static pressure (in. WC.)						
	0.1	0.2	0.3	0.4	0.5	0.6	0.7
Low	2.56	2.45	2.37	2.24	2.11	1.99	1.81
ML	3.16	2.94	2.81	2.63	2.51	2.33	2.2
Med	3.73	3.47	3.31	3.12	2.94	2.76	2.64
MH	3.73	3.47	3.31	3.12	2.94	2.76	2.64
High	4.4	4.17	3.96	3.8	3.63	3.45	3.31

Speed Tap \ Static Pressure	Furnace Motor Watts vs. External Static pressure (in. WC.)						
	0.1	0.2	0.3	0.4	0.5	0.6	0.7
Low	259	250	244	235	224	214	198
ML	327	309	300	282	271	255	243
MH	408	381	364	344	327	307	295
High	484	464	442	424	405	384	369

= Recommended operation range

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GAS FIRED MOBILE HOME FURNACE SPECIFICATIONS

GMD1-80

ALTERATIONS REQ'D FOR A/C @ DESIGN EXTERNAL STATIC PRESSURE		
COOLING UNIT	HTG Speed	Recommended CLG Speed
24,000	MED. LOW	MED. LOW /MED. HIGH
30,000	MED. LOW	HIGH

Speed Tap \ Static Pressure	Furnace Airflow (CFM) vs. External Static pressure (in. WC.)						
	0.1	0.2	0.3	0.4	0.5	0.6	0.7
Low	784	758	722	682	629	578	506
ML	933	915	886	813	762	711	642
MH	1155	1114	1063	1000	902	817	766
High	1281	1226	1162	1105	1031	919	829

Speed Tap \ Static Pressure	Temperature Rise vs. External Static Pressure (in. WC.)						
	0.1	0.2	0.3	0.4	0.5	0.6	0.7
Low	77	79	83	88	95	104	119
ML	64	66	68	74	79	84	93
MH	52	54	56	60	67	73	78
High	47	49	52	54	58	65	72

Speed Tap \ Static Pressure	Furnace Motor Current Draw (Amps) vs. External Static pressure (in. WC.)						
	0.1	0.2	0.3	0.4	0.5	0.6	0.7
Low	2.61	2.5	2.36	2.24	2.13	2.05	1.93
ML	3.12	3.02	2.91	2.7	2.55	2.43	2.28
MH	3.63	3.49	3.31	3.17	2.93	2.79	2.69
High	4.27	4.14	3.97	3.83	3.68	3.45	3.32

Speed Tap \ Static Pressure	Furnace Motor Watts vs. External Static pressure (in. WC.)						
	0.1	0.2	0.3	0.4	0.5	0.6	0.7
Low	260	255	245	236	227	218	208
ML	321	315	306	285	275	266	251
MH	395	382	365	349	327	311	300
High	475	461	444	428	408	385	371

 = Recommended operation range

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GAS FIRED MOBILE HOME FURNACE SPECIFICATIONS

GMD1-80 (3 TON A/C UPGRADE KIT)

ALTERATIONS REQ'D FOR A/C @ DESIGN EXTERNAL STATIC PRESSURE		
COOLING UNIT	HTG Speed	Recommended CLG Speed
24,000	LOW	MED. LOW
30,000	LOW	MED. HIGH
36,000	LOW	HIGH

Speed Tap \ Static Pressure	Furnace Airflow (CFM) vs. External Static pressure (in. WC.)						
	0.1	0.2	0.3	0.4	0.5	0.6	0.7
Low	829	809	781	748	709	677	609
ML	1022	995	964	926	888	825	781
MH	1216	1181	1142	1093	1041	987	920
High	1363	1315	1266	1218	1120	1115	1055

Speed Tap \ Static Pressure	Temperature Rise vs. External Static Pressure (in. WC.)						
	0.1	0.2	0.3	0.4	0.5	0.6	0.7
Low	72	74	77	80	85	89	99
ML	59	60	62	65	68	73	77
MH	49	51	53	55	58	61	65
High	44	46	47	49	51	54	57

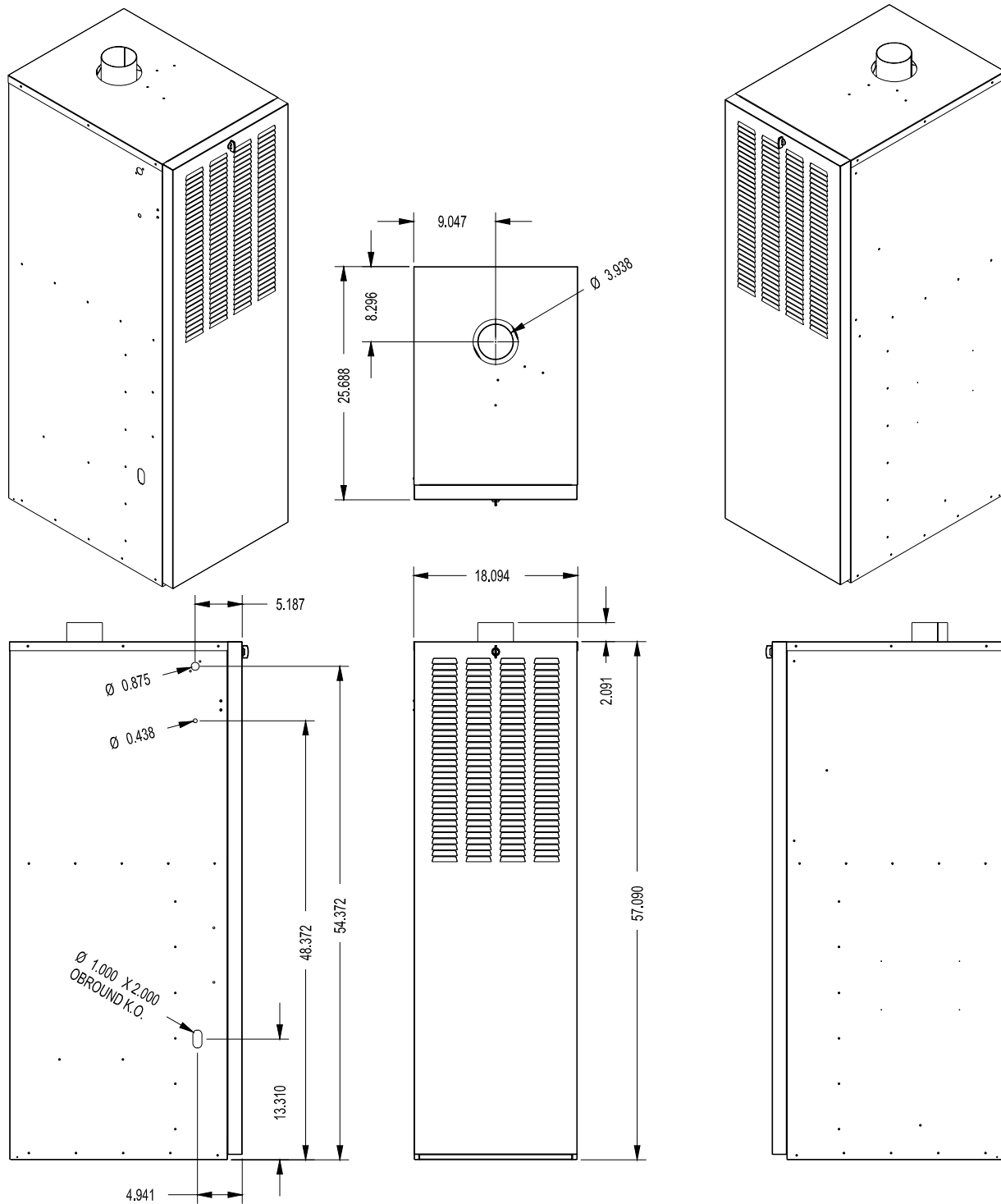
Speed Tap \ Static Pressure	Furnace Motor Current Draw (Amps) vs. External Static pressure (in. WC.)						
	0.1	0.2	0.3	0.4	0.5	0.6	0.7
Low	3.07	2.97	2.85	2.74	2.62	2.54	2.42
ML	3.76	3.57	3.4	3.27	3.17	3.03	2.89
MH	4.38	4.22	4.12	3.93	3.77	3.6	3.45
High	5.15	4.97	4.84	4.71	4.58	4.47	4.33

Speed Tap \ Static Pressure	Furnace Motor Watts vs. External Static pressure (in. WC.)						
	0.1	0.2	0.3	0.4	0.5	0.6	0.7
Low	306	300	293	285	276	269	258
ML	392	375	363	350	342	327	314
MH	470	457	445	428	411	397	379
High	563	547	529	517	501	491	474

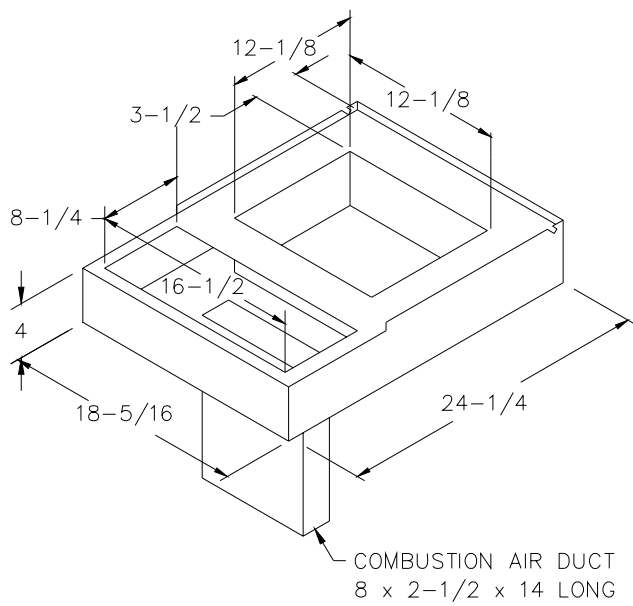
 = Recommended operation range

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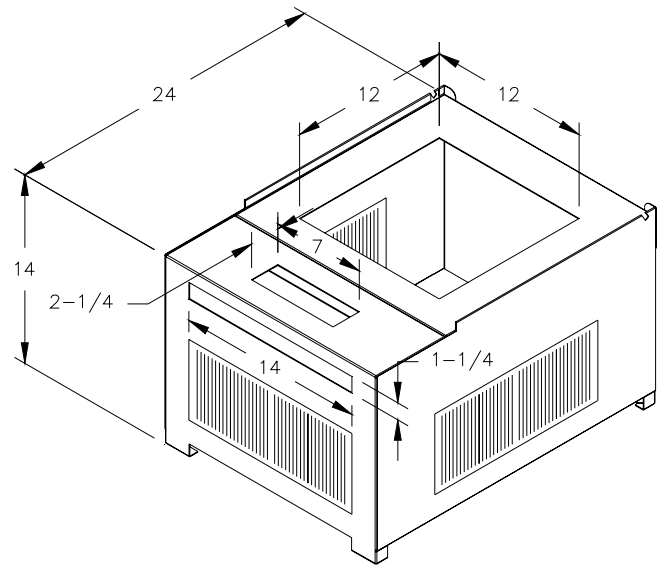
GAS FIRED MOBILE HOME FURNACE SPECIFICATIONS GMD1**



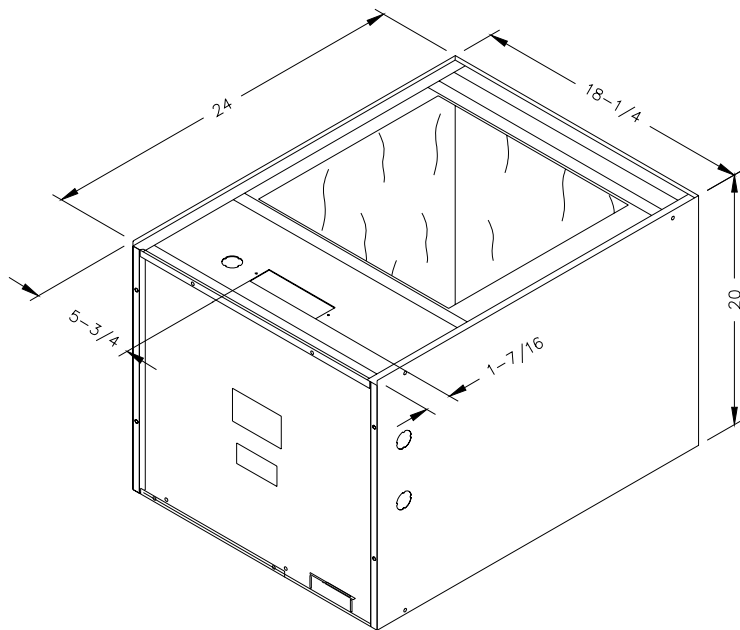
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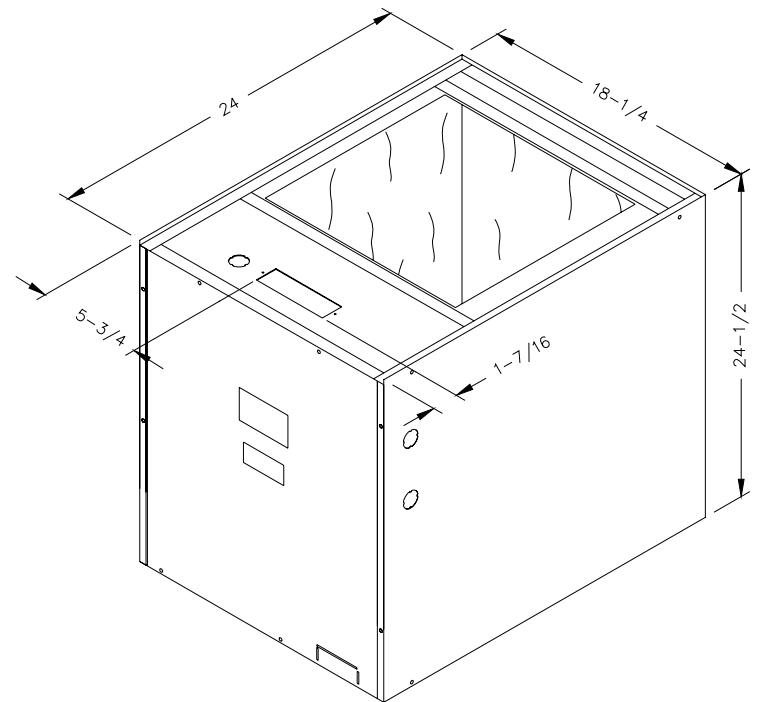
Combustible Floor Base Model: 70-BASE



Cottage Base Model: 01COT-BASE



Coil Cabinet Model: CE111S



Coil Cabinet Model: CE211T

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GAS FIRED MOBILE HOME FURNACE SPECIFICATIONS EVAPORATOR COIL APPLICATION

FURNACE MODEL	CONDENSER MODEL	LINE SET MODEL	COIL CABINET MODEL	EVAPORATOR COIL MODEL	SEER	EER	TOTAL (BTU/HR) HEAT REMOVAL	SENSIBLE HEAT REMOVAL
GMD1-60N	AC14241G2	LS01E-30 LS01E-50	CE111S	13U2430AB15	13.70	11.75	23,600	0.730
			CE111S	13U3030AB15	14.00	11.85	23,800	0.733
			CE211T	13U3036AB17	14.40	12.15	24,400	0.739
	AC14301G2	LS01E-30 LS01E-50	CE111S	13U2430AB15	13.70	11.90	28,000	0.737
			CE111S	13U3030AB15	14.00	12.05	28,400	0.739
			CE211T	13U3036AB17	14.50	12.40	29,200	0.746
GMD1-80N	AC14241G2	LS01E-30 LS01E-50	CE111S	13U2430AB15	13.70	11.75	23,600	0.730
			CE111S	13U3030AB15	14.00	11.85	23,800	0.733
			CE211T	13U3036AB17	14.40	12.15	24,400	0.739
	AC14301G2	LS01E-30 LS01E-50	CE111S	13U2430AB15	13.70	11.90	28,000	0.737
			CE111S	13U3030AB15	14.00	12.05	28,400	0.739
			CE211T	13U3036AB17	14.50	12.40	29,200	0.746
	AC14361G2 ¹	LS03E-30 LS03E-50	CE111S	13U2430AB15	13.40	11.50	32,600	0.736
			CE111S	13U3030AB15	13.70	11.70	33,200	0.740
			CE211T	13U3036AB17	14.00	11.95	34,000	0.750

¹ 3 TON UPGRADE KIT REQUIRED

Rev: 3/31/11

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GMD1** SPECIFICATIONS

