



January 2006. Irvine, CA

T-M1:	HT	W	D	WT	Volt	Amp	Flue	(Hot/Cold/Gas) Connections
	23.6	18.5	8.9	70 lbs.	120	0.79	4"O.D.*	3/4" NPT
	Input	Input						
	Max BTU	Min BTU	Eff%	Energy Factor	Min Press.	Max Press.		
NG	235,000	25,000	82.3%	.81	5.0" wc	10.5" wc		
LP	225,000	25,000	83.9%	.82	11.0" wc	14.0" wc		
	GPM	DOE GPH	TDH - Ft.****	TDH - PSI****	Water PSI	Coil Cap.		
	9.0 - 0.75**	294	83.2 - 1.16	36.0 - 0.5	150 - 15 PSI***	≈0.6 Gallons		
Clearances	Top	Bottom	Front	Back	Sides			
Indoor	12"	12"	24"	1"	2"			
Outdoor	36"	12"	24"	1"	2"			

* Category III Required ** Current numbers based on factory testing, 0.6 GPM Required for Continuous Fire After Initial Ignition

*** Pressure Only Relief Valve Required (Min 200,000 BTUs. 150 PSI)

**** Refer to Pressure Loss Chart for Temps Above 140°F

Warranty 7 yrs Heat Exchanger, 2 yrs Parts Only (as of January 2006)

Specification

Mobius water heater(s) shall be Model TM1 as manufactured by Takagi Industrial Company Inc. The Mobius water heater(s) shall be a copper coil integral fin and tube construction with quick release brass or bronze waterways. Heater(s) will be factory assembled and tested. The heater shall be vented with 4" stainless steel Category III vent pipe a distance not to exceed 35' (equivalent) feet terminating vertically or horizontally as prescribed.

The heater(s) shall be controlled by onboard solid state printed circuit board monitoring incoming and outgoing temperatures with factory installed thermistors, sensing and controlling flow rate to set point temperature which control both air and gas mixture inputs to maintain thermal combustion efficiency. Unit also consists of ground fault interrupter, inline fusing, spark ignition and sensor system, aluminized stainless steel burners, vent pressure switch, Hi limit switch, modulating and proportional gas valves, freeze protection sensor and heating blocks and overheat cut-off fuses.

The water heater(s) shall be CSA listed, exceeds the energy efficiency requirements of ASHRAE 90.1b-1992 and listed by SCAQMD rule 1146.2 Low NOx.