

MOTIVE T105-AGM

MODEL	T105-AGM
VOLTAGE	6
CAPACITY	217Ah @ 20Hr
MATERIAL	Polypropylene
BATTERY	VRLA AGM / Non-Spillable / Maintenance-Free
COLOR	Maroon
WATERING	No Watering Required



6 VOLT

PHYSICAL SPECIFICATIONS

BCI	MODEL NAME	TERMINAL TYPE	DIN	IENSIONS [©] INCHES (r	mm)	WEIGHT ' LBS. (kg)	HANDLES	INSTALLATION ORIENTATION
			LENGTH	WIDTH	HEIGHT ^F			Horizontal
GC2	T105-AGM	M8/AP/LT	10.30 (262)	7.06 (179)	10.73 (273)	68 (31)	Embedded	and Vertical

ELECTRICAL SPECIFICATIONS

VOLTAGE	CRANKING PE	RFORMANCE	CAPACITY	^A MINUTES	CAPACITY ^B AMP-HOURS (Ah))	ENERGY (kWh)	INTERNAL RESISTANCE (m Ω)	SHORT CIRCUIT CURRENT (amps)
G	C.C.A. ^D @0°F	C.A. ^E @32°F	@ 25 Amps	@ 75 Amps	5-Hr	10-Hr	20-Hr	100-Hr	100-Hr	10	3250
0	-	-	440	115	171	187	217	230	1.38	1.9	3230

CHARGING INSTRUCTIONS

CHARGER VOLTAGE SETTINGS (AT 77°F/25°C)					
SYSTEM VOLTAGE	6V	12V	36V	48V	
Maximum Charge Current (A)	20% of C ₂₀				
Absorption Voltage (2.40 V/cell)	7.20	14.40	28.80	43.20	57.60
Float Voltage (2.25 V/cell)	6.75	13.50	27.00	40.50	54.00

Do not install or charge batteries in a sealed or non-ventilated compartment. Constant under or overcharging will damage the battery and shorten its life as with any battery.

CHARGING TEMPERATURE COMPENSATION

ADD	SUBTRACT
0.005 volt per cell for every 1°C below 25°C 0.0028 volt per cell for every 1°F below 77°F	0.005 volt per cell for every 1°C above 25°C 0.0028 volt per cell for every 1°F above 77°F
OPERATIONAL DATA	

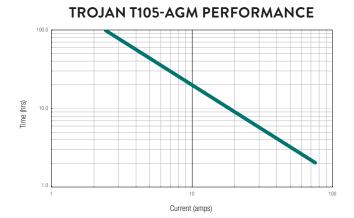
OPERATING TEMPERATURE	SELF DISCHARGE
-4°F to 122°F (-20°C to +50°C). At temperatures below 32°F (0°C) maintain a state of charge greater than 60%.	Less than 3% per month depending on storage temperature conditions

RECYCLE RESPONSIBLY

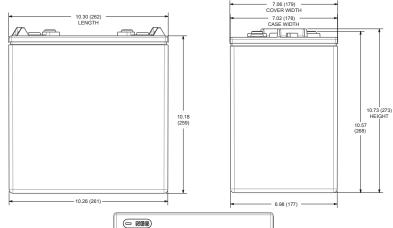


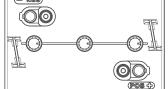
STATE OF CHARGE MEASURE OF OPEN-CIRCUIT VOLTAGE

PERCENTAGE CHARGE	CELL	6 VOLT
100	2.14	6.42
75	2.09	6.27
50	2.04	6.12
25	1.99	5.97
0	1.94	5.82



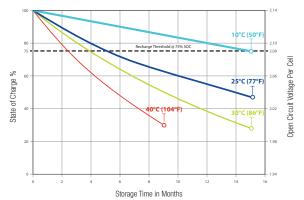
BATTERY DIMENSIONS (shown with M8)





PERCENT CAPACITY VS. TEMPERATURE 60 140 120 50 40 100 30 80 0 Temperature (F) 20 60 Temperature 10 40 0 20 -10 0 -20 -20 -30 -40 -40 100% 120% 0% 20% 40% 60% 80% Percent of Available Capacity

SELF DISCHARGE VS. TIME[#]



TERMINAL TYPE^G

15	M8	M8	15	M8	M8 WITH AP ADAPTER (ADAPTER PROVIDED BUT NOT INSTALLED)
		Battery Height with Terminal in Inches (mm) 10.57 (268) Torque Values in-Ib (Nm) Bolt: 85 – 90 (10 – 11)		6	Battery Height with Terminal in Inches (mm) 11.41 (290) Torque Values in-Ib (Nm) Connection to M8: $85 - 90 (10 - 11)$ Connection to AP: $50 - 70 (6 - 8)$
15	M8	M8 WITH LT ADAPTER (ADAPTER PROVIDED BUT NOT INSTALLED)			
		Battery Height with Terminal in Inches (mm) 12.07 (307)			
		Torque Values in-Ib (Nm) Connection to M8: 85 – 90 (10 – 11) Connection to LT: 65 – 75 (7.5 – 8.5)			
		Bolt Size M8 x 1.25			
sed on peak p e amount of a pacities are b nensions may	performance. amp-hours (Ah) a bai based on peak perfor y vary depending on	In deliver when discharged at a constant rate at 80°F (27°C) and maintain a voltage above 1.75 V/cell. Capacities are ttery can deliver when discharged at a constant rate at 80°F (27°C) and maintain a voltage above 1.75 V/cell. mrance. Type of handle or terminal. Batteries should be mounted with 0.5 inches (12.7 mm) spacing minimum. Ischarge load in amenes which a mew full chargen hotaproc anomiation for 30 seconds at 0°F (18°C).	V/cell. This is F. Height taken f G. Terminal imag	sometimes referred rom bottom of the b es are representativ orage should be cha	rge load in amperes which a new, fully charged battery can maintain for 30 seconds at 32°F (0°C) at a voltage a to as marine cranking armys @ 32°F or M.C.A. @ 32°F. attery to the highest point on the battery. Heights may vary depending on type of terminal. e only. urged when they decline to 75% State of Charge (SOC).

based on peak performance. The amount of amp-hours (A/h a battery can deliver when discharged at a constant rate at 80°F (27°C) and maintain a voltage above 1.75 V/cell. Capacities are based on peak performance. Dimensions may vary depending on type of handle or terminal. Batteries should be mounted with 0.5 inches (12.7 mm) spacing minimum. C.C.A. (Cold Cranking Amps) - the discharge load in amperes which a new, fully charged battery can maintain for 30 seconds at 0°F (-18°C) at a voltage above 1.2 V/cell. B.

C. D.

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TROJAN BATTERY COMPANY WITH QUALITY SYSTEM CERTIFIED BY DNV



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Designed in compliance with applicable BCI, DIN, BS and IEC standards. Tested in compliance to BCI and IEC standards.

Weight may vary.

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T105-AGM_DS_041221

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