

# **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	MENSIONS <sup>©</sup> INCHES (mm)		WEIGHT ' LBS. (kg)	HANDLES	INSTALLATION ORIENTATION
			LENGTH	WIDTH	HEIGHT <sup>F</sup>			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 PERFORMANCE		CAPACITY <sup>A</sup> MINUTES		CAPACITY <sup>B</sup> AMP-HOURS (Ah) E		ENERGY (kWh)	INTERNAL RESISTANCE (m $\Omega$ )	SHORT CIRCUIT CURRENT (amps)		
G	C.C.A. <sup>D</sup> @0°F	C.A. <sup>e</sup> @32°F	@ 25 Amps	@ 75 Amps	5-Hr	10-Hr	20-Hr	100-Hr	100-Hr	10	3250
O	-	-	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)	ximum Charge Current (A) 20% of C <sub>20</sub>				
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	

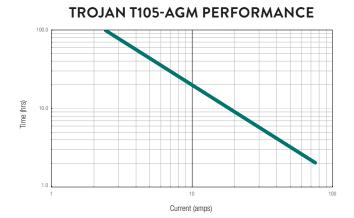
OPERATING TEMPERATURE	SELF DISCHARGE
-4°F to 122°F (-20°C to +50°C). At temperatures below 32°F (0°C) maintain a state of charge greater than 60%.	Less than 3% per month depending on storage temperature conditions

#### **RECYCLE** RESPONSIBLY

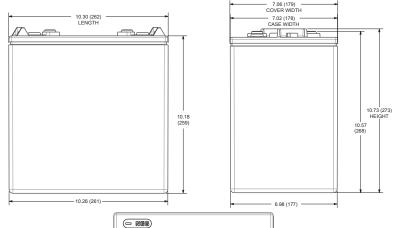


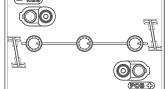
#### **STATE OF CHARGE MEASURE OF OPEN-CIRCUIT VOLTAGE**

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



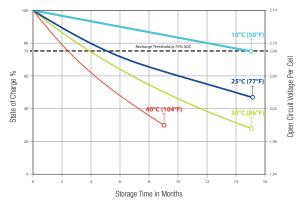
#### BATTERY DIMENSIONS (shown with M8)





#### 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% 20% 40% 609 80% 0% Percent of Available Capacity

#### SELF DISCHARGE VS. TIME<sup>#</sup>



## **TERMINAL TYPE**<sup>G</sup>

15	M8	M8	15	M8	M8 WITH AP ADAPTER (ADAPTER PROVIDED BUT NOT INSTALLED)
Q		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)			
		<b>Torque Values in-Ib (Nm)</b> Connection to M8: 85 – 90 (10 – 11) Connection to LT: 65 – 75 (7.5 – 8.5)			
		Bolt Size			

The fundational of initiates a date y can deriver when discharged at a constant rate at or "(27 c) and maintain a voltage above 1.75 vrcen. Capaciti based on paek performance. The amount of amp-hours (Ah) a battery can deliver when discharged at a constant rate at 80°F (27°C) and maintain a voltage above 1.75 Vrcen. 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 Canking 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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- c.c., coanway ways we usuaray eaan mamperes which a new, tuly charged battery can maintain for 30 seconds at 32 Wcell. This is sometimes referred to as marine cranking amps @ 32°F or M.C.A. @ 32°F. Height taken from bottom of the battery to the highest point on the battery. Heights may vary depending on type of terminal. Terminal images are representative only. F
- Pregin taken non-outom or the battery to the nights point on the battery, negrins may of G. Terminal images are representative only.
  H. Batteries in storage should be charged when they decline to 75% State of Charge (SOC).
  I. Weight may vary.

Weight may vary.

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



T105-AGM\_DS\_041221

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