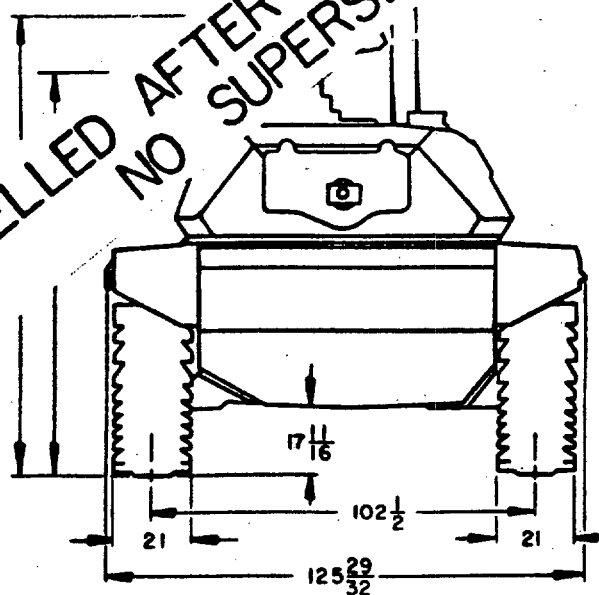
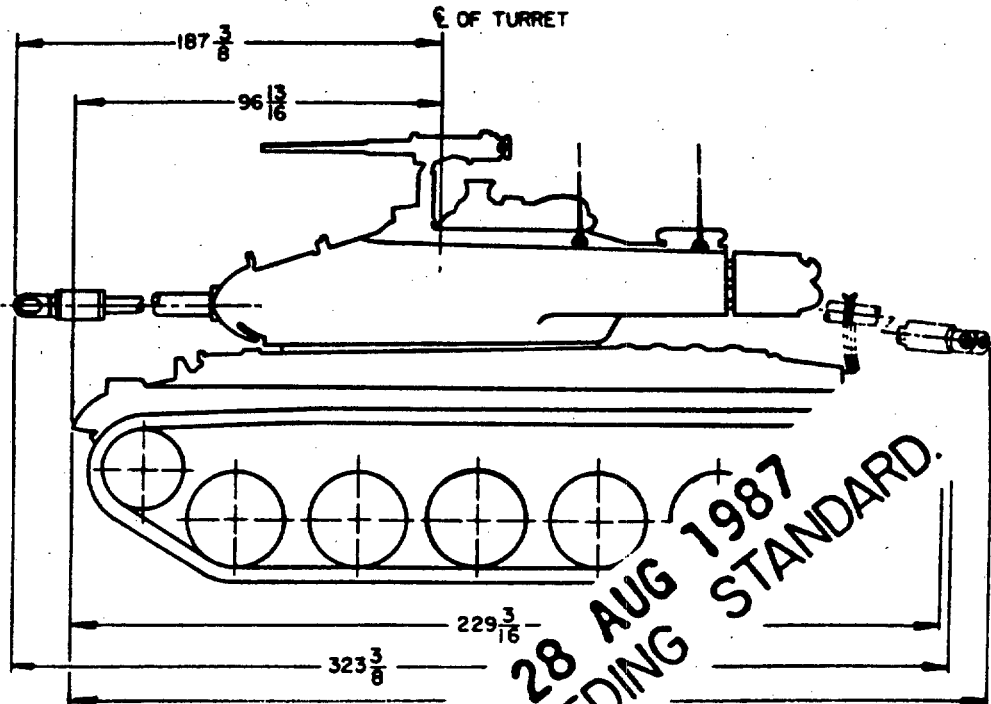
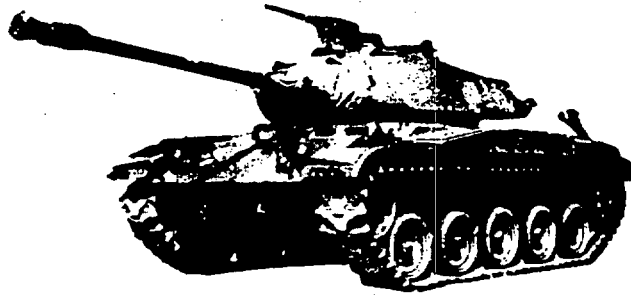


FED. SUP CLASS
2350

NOTE: ALL DIMENSIONS SHOWN ARE IN INCHES AND ARE SHOWN FOR ENGINEERING REFERENCE ONLY.

**ⓐ CANCELLED AFTER 28 AUG 1987
NO SUPERSEDING STANDARD.**

This standard has been approved by the MOBILITY COMMAND Department of the ARMY and is mandatory for use by that activity. All other military activities are required to employ this standard when suitable.

P.A. MO.
Other Cust

TITLE

TANK, COMBAT, FULL TRACKED -
76MM GUN, M41A3

PROCUREMENT SPECIFICATION
MIL-T-10401

S. PERSEDES

MS PART NO. DRAWING NO.
MS 53057 -1 F 8736132

MILITARY STANDARD

MS53057 (MO)

SHEET 1 OF 2

APPROVED 25 JULY 1963 REVISED ⓐ 28 AUG 1987

VEHICLE CHARACTERISTICS

GENERAL

WEIGHT (COMBAT LOADED) APPROX. 51,000 LBS.
CREW 4
WEIGHT (LESS CREW, STORAGE AND FUEL) 44,691 LBS.
CENTER OF GRAVITY 45.275 IN. ABOVE GROUND 87.517
IN. FROM CENTER LINE OF SPROCKETS
UNIT GROUND PRESSURE 9.7 LBS/SQ. INCH
TURRET RING 73 IN. DIAMETER (INSIDE)

VISION AND SIGHTING EQUIPMENT

| | | |
|------------------------------|------------|--------|
| PERISCOPE (VISION) DRIVER'S | TYPE M17 | QTY. 4 |
| PERISCOPE (VISION) LOADER'S | TYPE M13 | QTY. 1 |
| SIGHT, PERISCOPE COMMANDER'S | TYPE M20A1 | QTY. 1 |
| SIGHT, PERISCOPE GUNNER'S | TYPE M20A1 | QTY. 1 |
| SIGHT, TELESCOPE | TYPE M97 | QTY. 1 |
| QUADRANT, ELEVATION | TYPE M9 | QTY. 1 |
| QUADRANT, GUNNER'S | TYPE M1 | QTY. 1 |

ARMAMENT

PRIMARY GUN, 76 MM, M32 (T91E3), IN MOUNT M76A1
RECOIL MECH. TYPE CONCENTRIC
TRAVERSE, RIGHT 360° LEFT 360° RATE 6 RPM
POWER, TYPE HYD. ELECTRIC MANUAL TYPE GEAR TRAIN
ELEVATION +19° 45' DEPRESSION -9° 45'
RATE 240° PER MIN.
STABILIZER SYSTEM, NONE LOADING, MANUAL

SECONDARY ARMAMENT

- 1 MG. CAL. 50 MB, M2E1 COAXIAL W/76 MM GUN
TRAVERSE, 360° ELEVATION +19° -9° 45'
OR
1 MG. CAL. 30 M1919A4E1 COAXIAL W/76 MM
TRAVERSE, 360° ELEVATION +19° -9° 45'
2. 1 MG. CAL. 50 MB, M2 FLEX. TURRET
MT., TRAVERSE, 360° ELEVATION
OTHER
1 SMG. CAL. .45, M3A1, CAP.

AMMUNITION

65 RDS. 76 MM 600 RDP
2175 RDS. CAL. 50 COAX
5150 RDS. CAL. 30 COAX
OTHER: 8 GRENADES
45 SMG
30 CARBINE

MOVING GEAR

SUSPENSION, SIDE WHEEL SIZE 25 1/2 IN.
NO. OF WHEELS, W/DETACHABLE RUBBER PADS
TRACK, TYPE T9
CENTER GUIDE, 1 IN. PIN
NO. SHOES/TRACK 7, PITCH 6 IN. WIDTH 21 IN.
TIRES: NO. 20 TYPE SOLID RUBBER
SIZE 25 1/2 X 4 1/2 IN.

ELECTRICAL SYSTEM

NOMINAL VOLTAGE 24 VOLTS
GENERATOR, MAIN, AMPERES 150 PART NO. 8724633
GENERATOR, AUX., AMPERES 300 PART NO. 7402334
BATTERY, MS 35000-4 QTY. 4, TYPE 6 TN; 12 V,
100 AMP. HRS.
IGNITION SYSTEM (BATTERY) MAGNETO, BOINTILLA
QTY. 2
MAGNETO, MS 51333 COIL, MS 51355-1

POWER PACKAGEENGINE

TYPE, 6 CYLINDER, HORIZONTAL OPPOSED, AIR-COOLED,
FUEL INJECTION, MS 51314-1
DISPLACEMENT 895 CU. IN. BORE 5.75 IN.
STROKE 5.75 IN.
GOVERNED SPEED 2800 RPM COMPRESSION RATIO 5.5:1
FUEL, GASOLINE RATING, 80 OCTANE CAPACITY
140 GAL. (APPROX.)
MAX. GROSS HORSEPOWER 525 @ 2800 RPM
MAX. NET HORSEPOWER 418 @ 2800 RPM
MAX. GROSS TORQUE 970 @ 2300 RPM
MAX. NET TORQUE 865 @ 2300 RPM
MAIN COOLING SYSTEM, AIR ENG. OIL CAP. 44 QTS.
OIL COOLING SYSTEM, ENGINE MOUNTED COOLER AIR
COOLED WITH ENGINE DRIVEN

POWER TRAIN

TYPE, GROSS DRIVE TO
HYDRAULIC CONVERTER, 7527947
STALL MULTIPLIER, MULTIPHASE
OVERALL USEABLE, HIGH 3.9
DIRECT 1:1
STEERING, RADIUS, PIVOT
TO 11
STEER, AR-SERVO
BRAKE, OPERATION, MECHANICAL
IN, ENGINE MOUNTED COOLER AIR
ENGINE DRIVEN FAN

GEAR TRAIN

TYPE, GROSS DRIVE TO
FOUR GEAR RATIO 4.25 TO 1 FT./REV. 6
KEY PITCH DIA. 23.422 No. OF TEETH 12

COMMUNICATIONS

RADIO SET AN/ARC-3 OR 7 OR 8 LOCATION TURRET
BUSTLE
RADIO SET AN/ARC-3 OR 7 AND AN/ARC-3 LOCATION
(AN/ARC IN TURRET STORAGE BOX)
INTERPHONE MODEL, PART OF RADIO SET OR AN/VIC
NO. OF OUTLETS 4
EXTERNAL INTERPHONE EXTENSION KIT-MODEL AN/VIA-1

FIRE EXTINGUISHER

PART NO. 7714476 FIXED TWO-10 LB. CO2
PART NO. 7714780 PORTABLE ONE 5 LB. CO2

PERFORMANCE

GROSS HORSEPOWER TO WEIGHT RATIO 19.3 HP/TON
MAX. TRACTIVE EFFORT 44,000 LBS. TE/W 85.9%
MAX. SPEED 45 MPH MAX. GRADE 60%
MAX. TRENCH CROSSING WIDTH 72 IN. MAX. VERTICAL
WALL 28 IN.
CRUISING RANGE 110 MILES W/KIT 280 MILES
MAX. FORDING DEPTH 48 IN. W/KIT TOP OF TURRET

THIS VEHICLE SHALL BE IN ACCORDANCE WITH
REFERENCED DRAWING NO. 8736132 COPY OF WHICH MAY
BE OBTAINED FROM ARMY TANK AUTOMOTIVE CENTER,
DETROIT ARSENAL, CENTER LINE, MICHIGAN, ATTN:
STANDARDIZATION BRANCH.

P A MO.

Other Cust

TITLE

TANK, COMBAT, FULL TRACKED -
76 MM GUN, M41A3

MILITARY STANDARD

MS 53057 (MO)

PROCEDURE FOR REVISIONS

MIL-T-10401

SHEET 2

APPROVED 25 JULY 1963 REVISED 28 AUG 1967