## Medium Tank M4A3(75)W(Late production)

1/1/04/14/14	(10) //	(Eure production)	ENCINE		
GENERAL DATA			ENGINE Make and Model: Ford GAA		
Crew:		5 men	Type: 8 cylinder, 4 cycle, 60degree vee		
Length: Gun forw	vard w/ Sandshields	247 inches	Cooling System: Liquid <u>Ignition:</u> Magneto		
Length: Gun to Rear w/ Sandshields 247 inches		Displacement:	1100 cubic inches		
Length: w/o Gun, w/ Sandshields 247 inches			Bore and Stroke:	5.4 X 6 inches	
Gun Overhang: G		0 inches	Compression Ratio: 7.5:1		
Width: w/ Sandshields 105 inches		105 inches	Net Horsepower (max) 450 hp at 2600 rpm		
Height: Over Turret cupola 115.7 inches Tread: 83 inches		Gross Horsepower (max): 500 hp at 2600 rpm  Net Torque (max): 950 ft-lb at 2200 rpm			
Ground Clearance: 17 inches		Gross Torque (max): 930 ft-10 at 2200 rpm			
Fire Height: 88 inches		Weight: 1560 lb. dry			
Turret Ring Diameter: (inside) 69 inches			Fuel: 80 octane gasoline	168 gallons	
Weight Combat Loaded: 69,600 pounds *			Engine Oil:	32 quarts	
Weight Unstowed: 63,100 pounds *					
Power to Weight I		12.9 hp/ton	POWER TRAIN		
Gross 14.4 hp/ton		Clutch: Dry disc, 2 plate  Transmission: Synchromesh 5 speeds forward 1 reverse			
Ground Pressure: Zero penetration 14.3 psi *all weights based on T48 or T51 tracks			Transmission: Synchromesh, 5 speeds forward, 1 reverse Gear Ratios: 1 <sup>st</sup> 7.56:1 4 <sup>th</sup> 1.11:1		
· ·	on the or ter much		2 <sup>nd</sup> 3.11	5 <sup>th</sup> 0.73:1	
ARMOR	hamaaanaana ataali II	all malled and east	3 <sup>rd</sup> 1.78	Reverse 5.65:1	
	homogeneous steel; Hu el; Welded assembly	iii, rolled and cast	Steering: Controlled differential		
Hull Thickness:	Actual	Angled w/Vertical	Bevel Gear Ratio: 3.53:1	Steer Ratio: 1.5515:1	
Front, Upper	2.5 inches	47 degrees	Brakes: Mechanical, external contracting		
Lower	4.25 to 2 inches	0 to 56 degrees	2 2	Gear ratio: 2.84:1	
Sides	1.5 inches	0 degrees	Drive Sprocket: At front of vehicle with 13	teeth	
Rear	1.5 inches	0 to 22 degrees	Pitch Diameter: 25.038 inches		
Top	0.75 inches	83 to 90 degrees	RUNNING GEAR		
Floor, Front	1.0 inches	0 degrees	Suspension: Vertical volute Spring		
Rear	0.5 inches	90 degrees	12 wheels in 6 bogies (3 bogies/track)		
Turret Thickness Gun Shield	3.5 inches	O doomoo	Tire Size: 20 X 9 inches		
Rotor Shield	2.0 inches	0 degrees 0 degrees	6 track return rollers (1 at rear of each 1	bogie)	
Front	3.0 inches	30 degrees	Adjustable idler at rear of each track		
Sides	2.0 inches	5 degrees	Idler Size: 22 X 9 inches		
Rear	2.0 inches	0 degrees	Tracks: Outside guide: T48, T49, T51, and T		
Тор	1.0 inches	90 degrees	Type: (T48) Double pin, 16.56 inch wi		
•			(T49) Double pin, 16.56 inch wi		
ARMAMENT			(T51) Double pin, 16.56 inch wi		
Primary: 75mm Gun M3 in Mount M34A1 in Turret			(T54E1) Double pin, 16.56 inch width, chevron, steel Pitch: 6 inches		
Traverse: Hydra		360 degrees	Shoes per Vehicle: 158 (79/track)		
Traverse Rate: (	,	15 seconds/360 degrees	Ground Contact Length: 147 inches		
Elevation: Manu		-25 to -12 degrees	Ground Contact Dengan 117 menes		
Tiring Rate: (ma Loading System		20 rounds/minute Manual	ELECTRICAL SYSTEM		
Stabilizer System		Elevation only	Nominal Voltage: 24 volts DC		
Secondary:		Elevation only	Main Generator: (1) 24 volts, 50 amperes,	driven by power take-off from	
	HB M2 flexible AA n	nount on turret	main engine		
	6 M1919A4 coaxial w/7		Auxiliary Generator: (1) 30 volts, 50 amperes, driven by the auxiliary		
(1) .30 caliber MG	6 M1919A4 in bow mo	unt	engine		
	Mortar (smoke) fixed in	turret	Battery: (2) 12 volts in series		
	45 caliber SMG M3	_	COMMUNICATIONS		
*Mount M34	4A1 in later production	tanks	Radio: SCR 508, 528 or 538 in rear of turret; SCR 506* (command tank		
AMMUNITION			only) in right front sponson	, (	
104 round	s of 75mm	12 hand grenades	Interphone: (part of radio) 5 stations		
		18 rounds 2 inch smoke	Flag Set M238, Panel Set AP50A, Spotlig	ht, Siren	
	s .45 caliber		Flares: 3 each, M17, M18, M19, and m21		
6/50 roun	ds .30 caliber		Ground Signals Projector M4 (command t		
FIRE CONTROL	L AND VISION EQU	IPMENT	*early vehicles may be equipped with S	SCR 245	
Primary Weapon:		Indirect	FIRE AND GAS PROTECTION		
	Telescope M70F	Azimuth Indicator M19	(2) 10 carbon dioxide, fixed		
	Periscope M4A1 with	Gunner's Quadrant M1	(2) 4 pound carbon dioxide, portable		
Vision Devices:	Telescope M38A2 Direct	Elevation Quadrant M9 Indirect	(2) 1 ½ Quart decontaminating apparatus		
Driver	Hatch	Periscope M6 (2)	5 11		
Asst. Driver	Hatch	Periscope M6 (2)	PERFORMANCE		
	Vision cupola and Hatel		Maximum Speed: Sustained, level road	26 miles/hour	
Gunner	None	Periscope M4A1 (1)	Short periods, level	26 miles/hour	
Loader	Pistol Port	Periscope M6 (1)	Maximum Grade:	60 percent	
Total Periscopes: M4A1(1), M6 (6)			Maximum Trench:	7.5 feet 24 inches	
Total Pistol Ports: Hull (0), Turret (1)			Maximum Vertical Wall: 24 incl Maximum Fording Depth: 36 incl		
			Minimum Turning Circle: (diameter)	62 feet	
			Cruising Range: Roads	approx. 100 miles	
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