

DELTA



DT-155

TRACK MOUNTED FIRE TRACTOR

ENGINE

Make and Model	Cat® 3116T DITA Turbo
Type of Fuel	No. 2 Diesel
No. of Cylinders	6 cylinders inline
Bore and Stroke	4.13" x 5.0"
Displacement	6.6 liters (403 cu.in.)
Compression Ratio	17:1
Fuel Induction	Direct Injection
Fuel Supply	Indiv. Adjustment Free Injectors
Air Cleaner	Dry Type Elements
Oil Filter	Full Flow, spin on type
Lubrication	Pressure Lubrication
Cooling System, hyd.	Heavy Duty Air to Oil Cooler
Horsepower	194 h.p. @ 2,400 rpm
Max. Torque	480 ft. lbs. @ 1,400 rpm
Operating Weight	23,900 lbs.
Number of Track Rollers	6
Width of Shoe	26"
Length of Track on Ground	7' 4" (88")
Track Gauge	5' 8" (68")
Height Top Posts	9' (108")
Width of Blade	8' 10" (106")

POWERTRAIN

A powerful 6 cylinder Cat® 3116 turbocharged engine drives the DELTA MACHINE closed loop hydrostatic system which provides smooth turns, dynamic breaking and smooth modulation for steering and directional control.

HYDROSTATIC DRIVE SYSTEM

The Cat® engine provides torque to the pumps through the pump drive gearbox. The pump drive is directly coupled to the engine. Four pumps are driven to provide power for the ground drives the winch, the implement cylinders and the break-clutch steering controls. The variable displacement piston pump develops flow pressure through heavy-duty hoses to the variable displacement motor. The motor is coupled to a two-speed gearbox, easy selection of high/low speed. This unique combination, controlled by single lever phasing system, provides precise control for speed and torque. Maximum system pressure is controlled through a pressure limiting valve in combination with the pump.

STEERING AND BRAKING

Hydraulically released multiple disc dry clutches and self-energizing brake band. Two pedal design is standard. Partially depressing left or right pedal slows that track, causing machine turn smoothly in that direction. Mechanically activated parking brake can lock one or both tracks. A toggle switch on dash, in conjunction with depressed foot pedal(s), activates the parking brake.

FINAL DRIVES

Double Reduction final drives of spur and planetary gears minimize transmission of shock to powertrain components. Segmented sprocket rims are bolt-on types for easy replacement in the field.

FILTRATION

Four high capacity 10-micron, full flow spin-on replaceable element filters service the hydraulic system.



Optional equipment shown

TRAVEL SPEED/ DRAWBAR PULL

Gear	Speed	Max. Pull
Low	0 – 2.5 mph	48,000 lbs.
High	0 – 5.8 mph	18,000 lbs.

COOLING SYSTEM

A large diameter fan and full length, water-cooled cylinder combine with excellent thermal efficiency, minimize heat rejection to prevent overheating, and thereby promote long engine life.

UNDERCARRIAGE

Low ground pressure XL undercarriage offers a wider and longer track, increasing ground contact area for optimum flotation and greater stability on sloping terrain. The track is sealed and lubricated. Three ring seals work in combination to retain lubricant, which reduces pin and bushing wear. This reduces maintenance costs in most material conditions. Standard hydraulic track adjusters are protected under roller frame guards. Standard two-piece master link and segmented sprockets reduce maintenance cost and time. Box section roller frame is non-oscillating to resist torsional stress providing stability to the undercarriage, idlers and carrier rollers. The rollers are sealed for excellent wear life.

ROPS

ROPS (Roll over Protection structure) offered by Caterpillar® for this machine meets ROPS criteria SAEJ1040-MAY 94 and ISO 3471-1994. It also meets Falling Object Protective structure (FOPS) criteria SAEJ395a, SAEJ231-JAN81 and ISO 3449-1992. Optional ROPS cab with A/C available.

OPTIONAL ATTACHMENTS

Clearing Rake, V-Blade, Fire Plows, and other attachments available per request.

FOR LOCAL DEALER PLEASE CALL:

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