

Dapco Inc.

ST-12100T, 100 Ton Supply Tractor



The DAPCO ST-12100T 100 Ton Tractor is an absolute beast, the big brother to the ST-12 is capable of a 200,000 lb. gross load and the 5th wheel hitch (which has 19" of vertical travel) can support a vertical load of 70,000 lbs. Designed with heavy hauling in mind, this piece of equipment is a must for long wall moves, providing excellent visibility and versatility.

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Dimensions:

OAH.....65"
 OAL.....29'
 OAW.....10'
 Machine weight.....78,000 lbs
 Gross Vehicle Weight.....200,000 lbs

Specifications:

EngineCummins QSL9.0-C280, 280 H.P. @
 2000 rpm. with M.S.H.A. tags attached. MSHA Approval
 # 07-ENA060006, Vent Rate: 13000 CFM; w/ auto shut
 down for water temp, oil pressure, fire suppression
 activation

Cooling package.....Mesabi, heavy duty package with
 swing away (for maintenance/cleaning of radiator and
 fan) hydraulically driven 32" cooling fan

Exhaust particulate trap.....Engine Control Systems (unless
 otherwise requested), with exhaust compartment
 isolation system to prevent the need for exhaust wrap.

Intake air.....dual element, Donaldson-Powercore
 dry air cleaner with restriction indicator.

Fuel capacity.....75 gallon fuel tank with guarded
 self-closing fuel cap.

Axles..... 4 wheel drive with Kessler 101 Series
 Outboard Planetary drive axles with enclosed, oil
 immersed, spring applied-hydraulically released park
 brake and manually activated hydraulic differential
 locks.

Brake cooling.....Dedicated-forced oil system with 15
 gallon capacity, suction strainer and pressure filtration

Tires.....17.5 x 25(32 PLY) Goodyear Unisteel
 Radial mine service RL-5K, L-5 lug tires with Trojan Tire
 Softcore® layered ,reusable fill and fender clearance for tire
 chains.

Independent front and rear braking system:

Powered hydraulic wet disc service and park brake-each
 axle. When park brake is set, transmission is
 declutched.

Automatic secondary brake application upon loss of; hydraulic
 accumulator psi, engine oil psi, transmission psi,
 electrical power or activation of fire suppression
 system.

Hand pump park brake tow release package.

Powershift transmission:

DANA/Spicer 6000 Series, 4-speed electric shift transmission
 with declutch.

DANA/Spicer C5000 series torque converter.
 Shell and tube (liquid to liquid) transmission oil cooler

Hydraulic system:

Open center main hydraulic circuit. Fixed displacement gear
 type hydraulic pumps

Closed center steering circuit. Variable volume piston pump
 with pressure filtration.

Hydraulic pilot operated Steering, PTO and Dovetail controls

Fifty-five gallon hydraulic reservoir with 100 mesh suction
 strainers.

Hydraulic tank fill cap cover and drain box.

O-Ring Sealed Hydraulic Tank Cleanouts.

Return filter, high volume, 10 micron rating.

Tube and Fin (air to liquid) hydraulic oil cooler

All primary hydraulic hose to be Megatuff® Gates brand and
 fittings are to be 37° JIC.

Stick controlled articulated steering:

Heavy duty articulation joint with cap and bolt construction,
 hardened 5" pins and Tough Met®, Hinge Bushings

Hinge pins are secured by B-LOC® taperlock Bushings

Oscillation bearing is 41.5" diameter, double row 1-3/4" ball, 8
 point contact, zero tolerance

Two, double acting, 5" bore steering cylinders with 2.5" rod and
 replaceable bearings in cylinders.

Cap and bolt and B-LOC® taperlock pin retention.

Operator station:

6" outboard for extra leg room

KAB 301 suspension seat with seat belt for operator.

Tag in compartment: engine s.n./model, h.p., vent rate.

Instruments and electrical:

24 Volt Electrical System

Engine: Temperature, Oil pressure, Volts and Tachometer
Displayed Via Murphy Power View

Transmission: clutch pressure and converter temperature
gauges.

Electrical master switch on battery positive/alternator charging
circuit.

Hour meter.

Four, LED headlights: two front lights, two rear lights, all
with reinforced light guards.

Wiring: Over-current protection on all circuits

Instruments, switches and indicator lights mounted in sealed
electrical box.

Brake accumulator pressure gauges, low pressure warning light,
park brake "applied" warning light, engine shut down
by Murphy system warning light.

Batteries, (2) cat 12 volt, 4 d, zero maintenance 1365 cold
cranking amps.

Standard Equipment

Vertical pin style hitch, constructed of AR-400 plate, include 3
hitch pins

Holland fifth wheel hitch, FW2080 Series, fully oscillating,
70,000lbs. Maximum vertical load, 200,000lbs.
Maximum draw bar pull.

Hydraulic rear hitch mount (dovetail) with 19" vertical travel
adjustment.

Tramming hydraulic p.t.o, 24 g.p.m at 1800 psi, bi-directional
control valve plumbed to customer specified location.

Split screen dual camera system, 1 opposite operator toward
front, 1 opposite operator toward rear. Monitor and
cameras heavily guarded.

8 nozzle dry chemical Ansul Checkfire SC-N Automatic fire sup
pression system (1-50# tank), auto actuation, tied to
engine shutdown.

Current fire analysis provided upon delivery of machine

Epoxy paint White with red & silver reflective tape on all sides,
standard. Color is optional.

Parts/Maintenance Manuals:

One hard copy and digital manual, provided.

Optional:

Canopy

Tire Chains