

ELECTRO-MECHANICAL SPECIFICATIONS

RAPIDLY DEPLOYABLE TYPE 6 WILDLAND FIRE SKID



MECHANICAL FEATURES & COMPONENTS

- Converts regular pick-up truck to Type 6 Brush Truck and back again by one person in 10 minutes or less with the optional MDR System™ (pictured above). Patent pending.
- Fully operational with truck tailgate in the up position.
 - No need to remove truck tail gate and maintaining all functionality.
- 120 wall 1.75 inch tube steel welded frame construction – durable enough to be dropped from the air by airplane or helicopter.
- 300, 200 or 150 gallon ply water tank (dependent on truck bed length and GVWR)
- Davey Firefighter 5 Two Stage Fire Pump w/10 hp Yanmar Diesel Electric Start Engine - High Pressure, Low Volume, Engine Mounted.



-ENGINE:

- Yanmar Diesel 10 HP with electric start and recoil rope start (Honda gasoline engine option available)
- Low oil protection
- Spark arrestor/exhaust diverter

-PERFORMANCE:

- 120 gpm (454 L/M) @ 36 psi (2.5 bar)
- 95 gpm (378 L/M) @ 83 psi (5.7 bar)
- 60 gpm (227 L/M) @ 118 psi (8.1 bar)
- 20 gpm (76 L/M) @ 144 psi (9.9 bar)

-FEATURES:

- Marine-grade aluminum casing
 - 3-way discharge port with One 1½" NPTM, Two 1" NPTM
 - 1½" NPTM suction
 - Zinc-plated casing bolts
 - Mechanical shaft seal
 - Nitrile rubber seal and casing "o" rings
 - Self-priming up to 19'
- Hale fluidless priming pump assures drafting performance.
 - Dual 2.5" Hale pressure gauges.

- Panel mounted push/pull valve handles operate 1.5" Akron Brass stainless steel ball valves.
- Side swing handle 2.5" Akron Brass stainless steel ball inlet valve.
- Hanney F32-19-21 Steel Hose Reel.
 - Gear-driven crank rewind is standard. Electric powered chain and sprocket drive.
 - Pinion brake standard.
 - Standard inlet: 1" 90° ball bearing swivel joint with 1" female NPT threads.
 - Standard outlet: 1" male NST threads (1.375" x 8 threads per inch.)
 - Standard inlet, outlet riser, and hub assembly are steel.
 - Front and rear rollers.
 - Standard pressures to 1000 psi (69 bar).
 - Standard fluid temperatures from -40° F to +250 °F (-40° C to +121° C).
- 1" Forestry Discharge Booster Fire Hose Reel-Lite 100' NPSH (NFPA Rated) RED & Nozzle
 - Single jacket construction with abrasion resistant cover.
 - Rigid helical reinforcement w/EPDM Rubber Lining.
 - Field replaceable fittings.
 - Lightweight and kink resistant.
 - Rated 400/800/1200 Service/Proof/Burst.
- Side mounted 1.5" MNHT discharge.
- Top mounted 2.5" FNHT 90° elbow inlet for drafting or hydrant connection.
- 2 Top mounted hose/equipment racks.
- 2 Side mounted, single box over two drawer utility compartments.

ELECTRICAL COMPONENTS

- Self-contained 12 VDC marine grade electrical system.
 - 12 VDC deep cycle battery.
 - AC/DC shoreline charger.
 - DC/DC charger connected through 7 blade trailer pig tail.
 - Solar trickle charger for extended off bed use.
 - Pump alternator also charges battery while pumping.
- Control panel, pump-house, and compartment LED lighting.
- 320° rear facing, remote controlled spotlight.
- Whelen traffic director.

OPTIONS

- Hose package of 1 x 2.5" 50' forestry hose, 3 x 1.5" 100' forestry hose and 3 x 1" 100' forestry hose.
- Foam cartridge nozzle system for full foam capability without a foam tank.
- MDR System™ for mounting, demounting and remounting skids without heavy equipment and rapid field deployment for use with all HEAT utility skids – one system for all your trucks and our skids.
- GPS tracking system to locate and retrieve field deployed skids.
- Other options available for custom orders.

AVAILABILITY AND TERMS

HEAT utility skids are custom made to order. Routine lead times currently range from 6 to 18 months depending on customer specifications and component availability. Quotes are based on one-on-one discussions with customers. Terms are either 50% of the quoted price due within five business days of order acceptance by HEAT with the balance due upon delivery to customer or 100% within five business of order acceptance by HEAT with a 10% discount off the quoted price.

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