

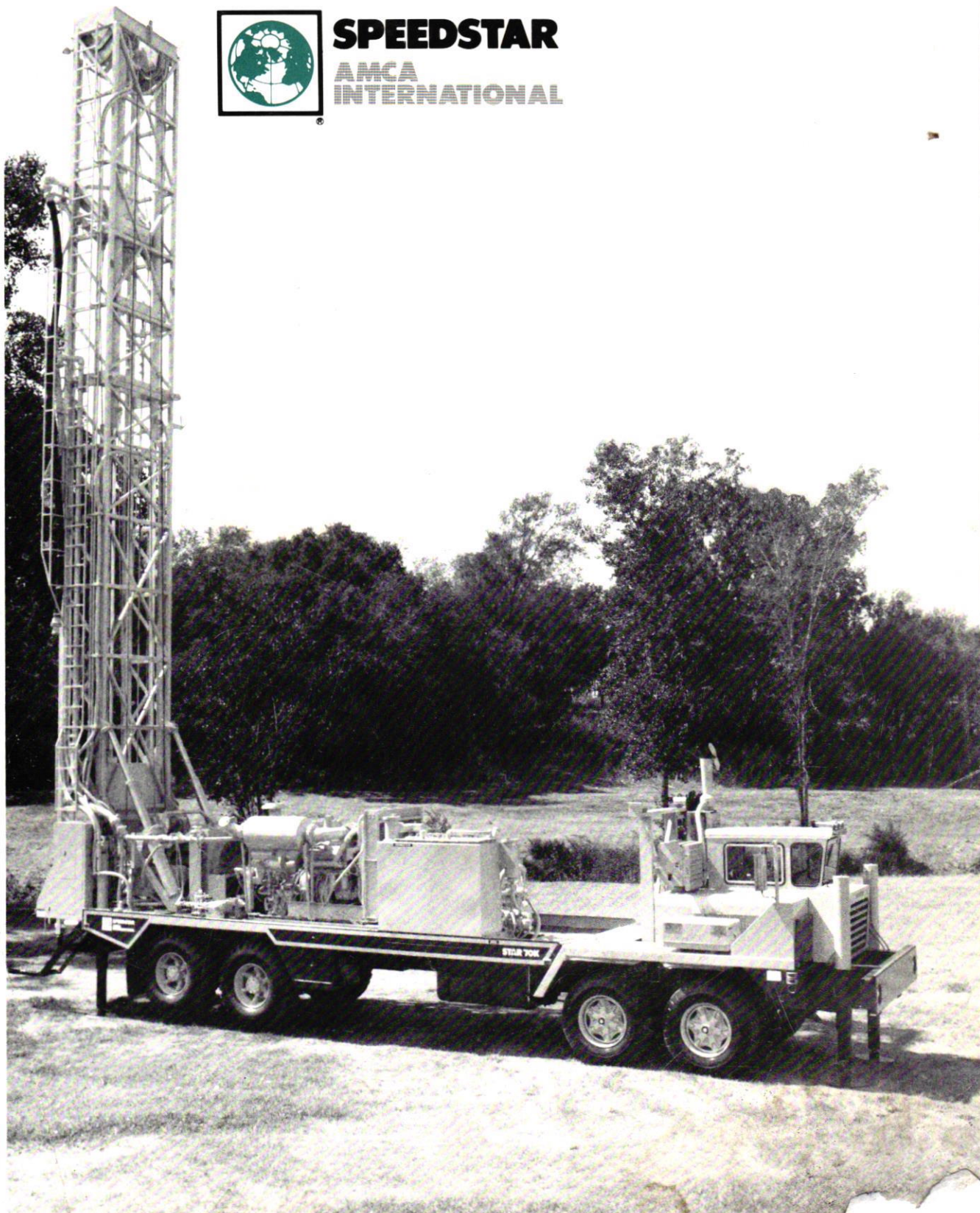
SPEEDSTAR

High Pressure Tophead Drive Rotary Drill

STAR 70K



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SPECIFICATIONS AND FEATURES

POWER UNIT:	Deck mounted 450 hp (336 kW) diesel engine.
POWER GEAR TRANSFER OIL PUMP DRIVE:	Heavy duty gear type with tapered roller bearings, pressure lubrication, and oil cooler.
PULLBACK AND PULLDOWN:	Maximum pullback capacity of 70,000 lbs. (31,752 kg) with a standard pull out rate of 65 fpm (20 m/min) and rapid rate of 120 fpm (37 m/min). Pulldown capacity of 30,000 lbs. (13,608 kg) and feed rate up to 130 fpm (40 m/min).
TOPHEAD DRIVE:	100,000 in./lbs. (571 n-m) of drilling and breakout torque. Rotation speeds of 1-100 rpm. Equipped with heavy-duty packing-type swivel, 3" water course and floating sub. Retracts to back of mast for casing clearance. 30 ft. (9.14 m) travel.
MAST:	34 ft. (10 m) working height above breakout table. Rated working capacity of 100,000 lbs. (45,360 kg). Raised and lowered by two double acting cylinders. 24" (610 mm) diameter opening in breakout table.
HYDRAULIC LEVELING JACKS:	Four 48" (1,219 mm) stroke. Two at front and two at rear.
AIR COMPRESSOR:	Twin rotary screw type rated at a volume of 900 CFM (25 m ³ /min) at 350 psig (2413 kPa). Directly coupled to power unit and equipped with clutch.
MOUNTING:	Heavy-duty 4-axle carrier with H-beam type frame and 300 hp (224 kW) to 400 hp (298 kW) diesel engine depending on customer requirements.

OPTIONAL EQUIPMENT

MAST/STROKE:	42 ft. (13 m) working height, 38 ft. (12 m) head travel in lieu of standard.
MUD PUMPS:	Hydrostatically driven 3"x4" (76x102 mm) centrifugal, 5"x6" (127x152 mm), 5 1/2"x8" (140x203 mm) or 7 1/2"x8" (191x203 mm) duplex.
PIPE HANDLER:	Single joint loader or six pod carousel with choice of 20' (6.1 m) or 25' (7.6 m) drill pipe length.
WATER/FOAM INJECTION:	8 gpm (30.3 l/min) or 18 gpm (68.1 l/min) maximum output pumps and foam injection. Hydraulically driven.
HAMMER LUBRICATOR:	7 gal. (26.5 l) capacity, electrically controlled.
AUXILIARY WINCH:	Hydraulically powered, 10,000 lb. (4,545 kg) capacity.
DRAWWORKS:	Hydrostatically powered with failsafe brake, 4-line traveling block and 70,000 lbs. (31,752 kg) working capacity.
PIPE SPINNER:	Hydraulic-powered tool for efficient spin-up or spin-out of drill pipe.
OPERATOR'S PLATFORM:	Full width of rig, hinged for travel.

WE RESERVE THE RIGHT TO AMEND THESE SPECIFICATIONS AT ANY TIME WITHOUT NOTICE. THE ONLY WARRANTY APPLICABLE IS OUR STANDARD WRITTEN WARRANTY APPLICABLE TO THE PARTICULAR PRODUCT AND SALE. WE MAKE NO OTHER WARRANTY, EXPRESSED OR IMPLIED.



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