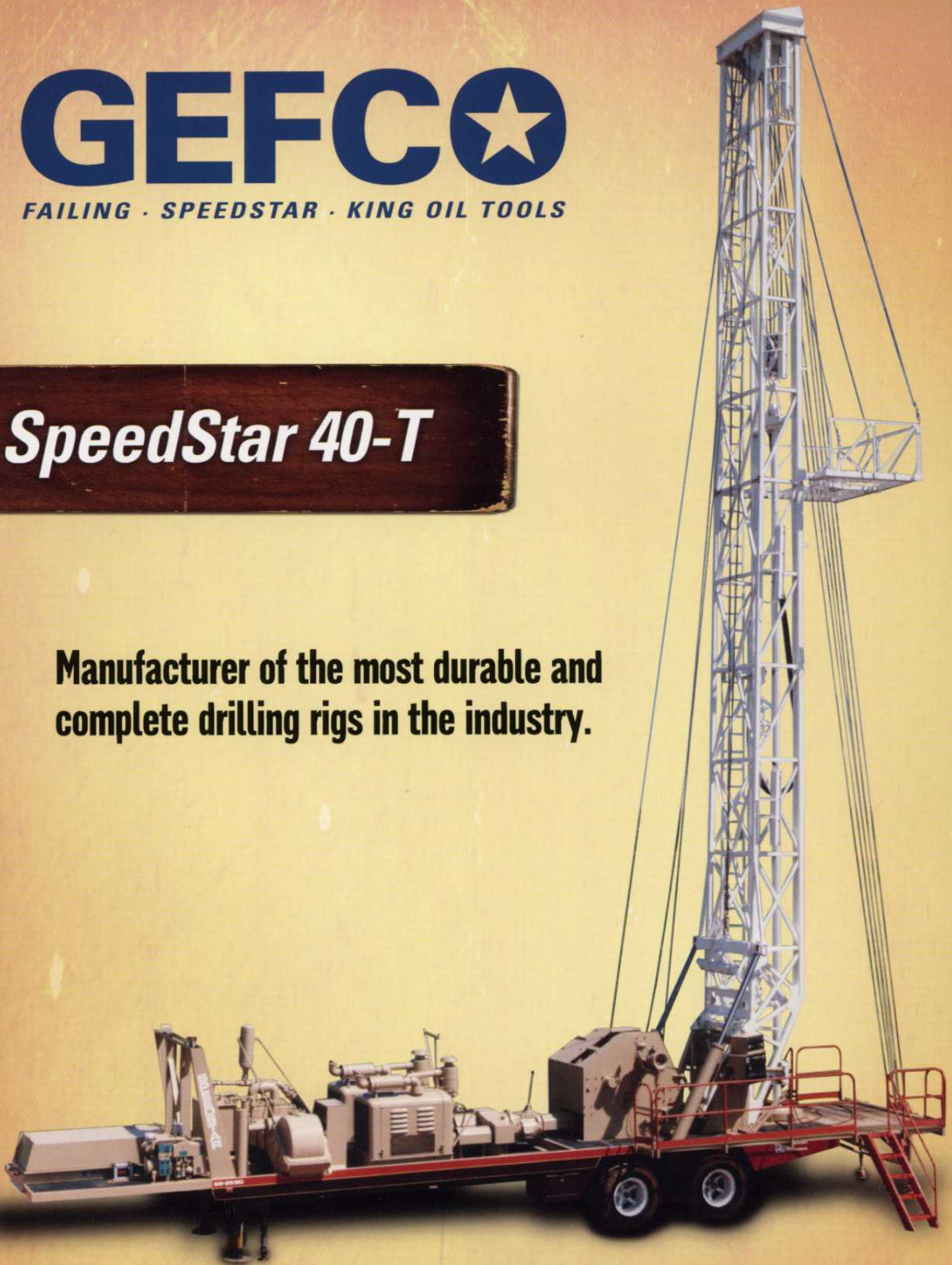


GEFCO

FAILING · SPEEDSTAR · KING OIL TOOLS

SpeedStar 40-T

Manufacturer of the most durable and complete drilling rigs in the industry.



SpeedStar 40-T

SPECIFICATIONS

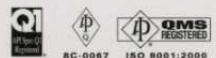
RATINGS (6-LINES)	22,000 lbs bare drum single line pull. 116,000 lbs maximum hook load with traveling block at rotary table. 92,250 lbs working hook load with traveling block at top of mast. 176,000 lbs gross mast capacity. 50 ton 3-sheave blocks (2).
POWER UNITS	One deck-mounted diesel engines. 230 HP continuous duty @ 2,200 RPM, each engine.
ENGINE TRANSMISSIONS (2)	Two heavy-duty torque converters with 5-speed power shift transmissions direct coupled to each power unit.
CHAIN DRIVE CASE	Pressure lube case, high speed roller chains and sprockets, divided output shafts.
MAIN DRIVE CASE	Gear case transfers power to drawworks chain drive and rotary table. Oil-bath construction, heat-treated gears mounted on ball and roller bearings.
DRAWWORKS	Heavy-duty triple drum. Each main drum equipped with Lebus spooler and replaceable brake drum flanges.

	KELLY DRUM & HOISTING DRUM: (TWIN)	AUXILIARY DRUM:
Drum dia. & length	15" dia. x 15 1/4" long	7 1/2" dia x 23 1/2" long
Max. single line pull, bare drum	22,000 lbs	7,000 lbs
Brakes	8" wide x 26" dia	6" wide x 22" dia. single band
Net braking area	1,137 sq. in	360 sq. in
Clutch	18" 2-plate, air	14" single plate, air
Spooling Capacity	795' of 3/4" line 2,850' / 7/16" line	4,000' / 3/8" line 2,262' / 1/2" line

CATHEADS	Two air-operated units for breakout and makeup spinning.
ROTARY TABLE – 150 TON	Enclosed oil-bath gears; powered torque tube and clutch. 11" opening with API master bushing removed. Can be hinged forward to provide 36" square opening.
MAST	60' working height above rotary table. 176,000 lbs gross mast capacity. Hydraulically raised and lowered. Ladder and channel guide tracks for swivel. Fitted seven (7) 120-Volt night lights for auxiliary genset.
CROWN BLOCK	Heavy structural steel frame, electrically welded, sheaves accommodate two (2) 6-line triple sheave traveling blocks, auxiliary line sheaves and catline rope sheaves.
SWIVEL	3" fluid course
FRAME	Drill frame integral with semi-trailer frame. Structural steel, reinforced and electrically welded. Walkway platforms and ladders provide access to all rig components.
PIPE PLATFORM	Hinged or removable platform, equipped with screw jacks, mounted at rear of drill. Covered with heavy timbers for standing drill pipe.
CONTROLS	Grouped in pedestal-type console at left rear of machine. Complete with instrument panel for convenient operation.
LEVELING JACKS	Four (4) hydraulic leveling jacks, two (2) front 48" stroke; two (2) rear 18" stroke.
TOOL STORAGE BOX	Two (2) large steel boxes, one (1) each side, lockable.
MOUNTING CHASSIS	Mobile 2-axle semi-trailer with air brakes, highway lighting.
TRAILER CAPACITIES	Rear axles (3) – 25,000 lbs each
HYDROMATIC BRAKE	Connected to drawworks through 1 1/4" pitch triple chain and high torque air clutch.
MUD PUMP	7 1/2" x 10" mud pump equipped for slush service. Output of 487 GPM @ 255 PSI @ 65 strokes / min.
KELLY	4 1/4" square x 40' long with roller bushing and fluid swivel adapter sub.
CATWORK	Hydraulic makeup and breakout cylinder with cable.
PIPE RACKING BOARD	Folding type with capacities for double 20' or single 30' lengths. Capacity 4,000' of 3 1/2" pipe, 3,500' of 4 1/2" pipe
WEIGHT INDICATOR	English dial
BACKUP/BREAKOUT TONGS	Manually operated, torque rating of 25,000 ft / lbs for gripping pipe from 2 3/8" through 8 5/8" O.D. Set of two (2).

OPTIONAL EQUIPMENT

KELLY	5 1/4" dia. round fluted x 38' long with bushing and fluid swivel adapter sub.
HYDRAULICALLY POWERED PULLDOWN	Chain-feed type. Provides infinite variable pulldown speed and pressure. Equipped with disconnect jaw clutch for hoisting or gravity feeding. Feed rate variable from 0-10 FPM. Pulldown weight adjustable from 0-30,000 lbs.
WATER INJECTION SYSTEM	Maximum output of 18 GPM 8.2 GPM.
LIGHTING GENERATOR	Diesel driven 4,500 Watt electric generator. Drill is equipped with seven (7) 48" length florescent lights, each having two (2) 60-watt lamps, plus three (3) 500 Watt quartz flood lights.
MUD PUMP ROD OILER SYSTEM	For 7 1/2" x 10".



GEFCO reserves the right to amend these specifications at any time without notice. GEFCO makes no warranties, expressed or implied, other than our standard written warranty.

08/06



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