

DISCOVER THE POWER OF THE

FRASTE FS250

WITH REPUBLIC

SAFETY FOCUSED

PERFORMANCE DRIVEN

RELIABILITY PROVEN

DRILLREPUBLIC.COM



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TRANSFORM YOUR DRILLING OPERATIONS

FRASTE FS250

SAFETY • PERFORMANCE • RELIABILITY

The FS250 is a purpose-built geothermal rig engineered for real-world drillers who demand performance, speed, and reliability. It's the rig of choice for owner-operators and contractors with multiple rigs who want to maximize productivity, reduce downtime, and drill smarter — not harder.

DRILL FRAME	
TOWER STROKE	22.9 FT (303.15")
PULL BACK (ACTUAL)	31,500 LBS
PULL DOWN	18,000 LBS
MAST CAPACITY	40,000 LBS
WORKING HEAD TRAVEL (DRILL)	1.6 FT/SEC
HANDLING HEAD TRAVEL (FAST)	3.5 FT/SEC (5.7 SEC FULL STROKE)
MAST DUMP / VERTICAL TRAVEL	3.2 FT (39.37")
DRILL TABLE	
DOUBLE CLAMPS	12" DIAM (31,479 LBS FORCE)
ROTATING HYD BREAKOUT	3,249 LBS-FT FORCE
HYDRAULIC PIPE GUIDE ROLLERS	3"-12"
RUBBER DUST SKIRT AND WIPER	
CONTROLS	
SWING OUT CONSOLE	ROTATION RPM GAUGE
RADIO REMOTE TRAMMING	MUD FLOW GPM GAUGE
ENGINE	
CAT C7 T4F	275 HP 2200 RPM (OPERATING 1700 RPM)
SOUNDPROOFING CANOPY	TBD
DEF CAPACITY	6.34 GAL
FUEL CAPACITY	55 GAL
DRILL PIPE	
PIPE DIAMETER	3.5"
PIPE LENGTH	20 FT
PIPE THREAD (HIGH FLOW)	BR52 (2" ID TOOL JOINTS)
PIPE HANDLING	
QUANTITY	40
HANDS FREE LOADER ARM	
AUTO DRIFT THREAD SAVER	
HEAD	
FRASTE R16D055 2-SPEED	
SPEED 1	130 RPM 5,900 FTLBS
SPEED 2	200 RPM 3,915 FTLBS
SIDE SHIFTING 2 WAY	
TILT OUT	45 DEGREES
SPRING FLOATING SUB	
SWIVEL ID	2.36"
HYD DRIVE CHUCK	

“DAY 1 AND IT’S OUT DRILLING OUR OTHER RIGS!”

BRIGHTCORE ENERGY



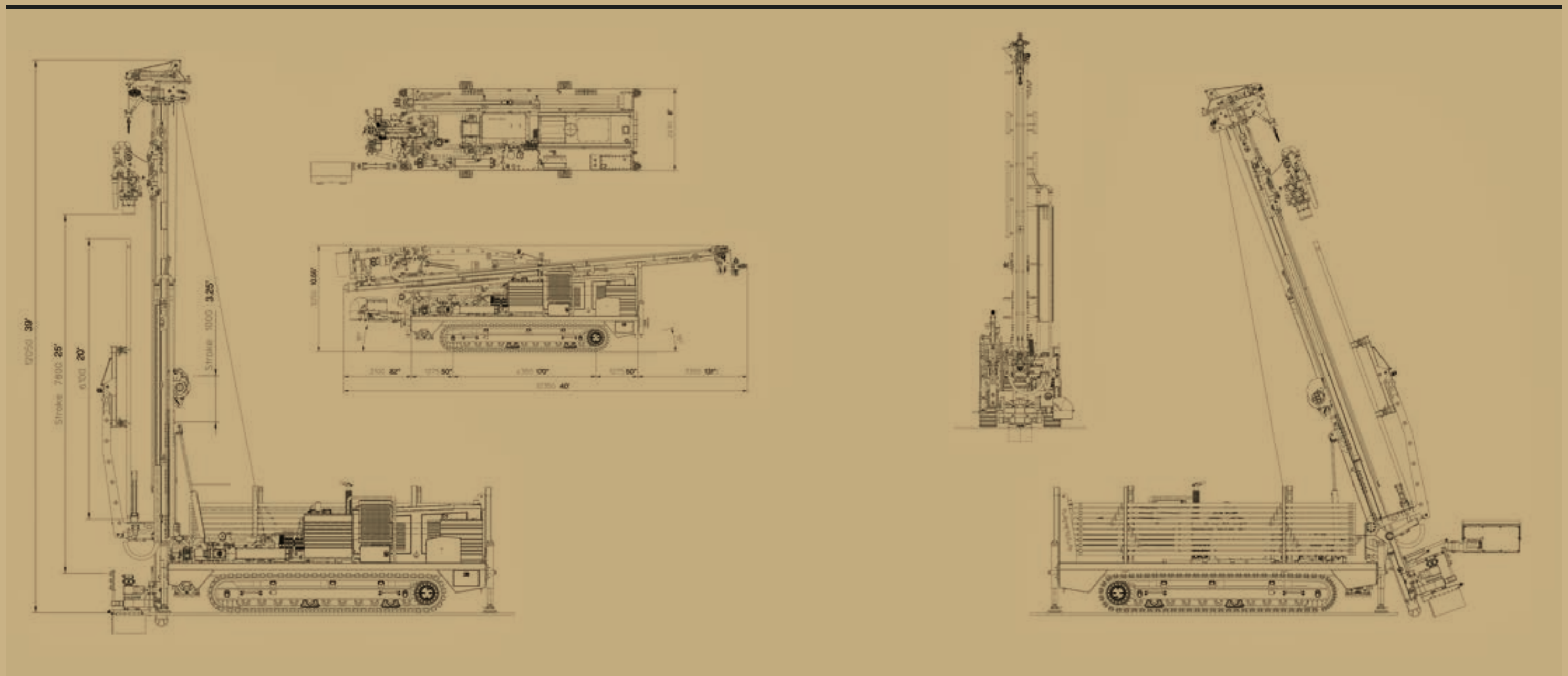
SHIPPING DIMENSIONS	
WIDTH	8'2" (98.42")
DRILL FRAME	24' (263.8")
LENGTH OVERALL	43.64' (523.6")
WEIGHT W/O RODS	60,062 LBS
HEIGHT	10.5' (126")
APPROACH ANGLE	20 DEGREES
WINCH	
MAIN WINCH	12,823 LB HOIST (115 FT/MIN) .63" DIAMETER CABLE (165' OF CABLE)
SAND LINE	1,780 LBS HOIST (328 FT/MIN) 1/4" CABLE (1,300' OF CABLE)
HYDRAULIC JIB ON MAIN WINCH	90 DEG ROTATION, 27.7" EXTENDING
TRACKS	
STEEL WITH RUBBER PADS	
2 SPEED TRAVEL	LOW 1.2 MPH, HIGH 2 MPH
WIDTH	19.6"
RATING	58,500 LBS
SAFETY	
EMERGENCY STOPS	2 STOPS ON TABLE AREA
LIGHTING	
LED SYSTEM	5 TOTAL - 12,400 LUMEN
DTH LUBRICATOR	
VENTURI TYPE	6.3 GAL
PSI MAX	500 PSI
AIR COMPRESSOR	
CAT ENGINE DRIVEN	125 PSI (8 GALLON TANK)
WATER PUMP	
PISTON PUMP	21 GPM (580 PSI)
ONBOARD WASH HOSE AND GUN	
MUD OPTION	
TIBAN CENTRIFUGAL 3X4X13	400 GPM @ 150 PSI (2,700 RPM)
AIR VALVE	
HYD CONTROLLED	2"
AUX HYD CONNECTIONS	
PIT PUMP / AUX CONNECTIONS	10.5 GPM (2600 PSI)

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Backed by Fraste's legacy of quality since 1964, and supported across the U.S. by Republic Drill Co.'s extensive service network and local parts availability, the FS250 delivers more than just performance on paper — it keeps your operation drilling, day after day. For contractors who demand reliability in the field and a partner they can count on, the FS250 — backed by Republic — is built to deliver, job after job.





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