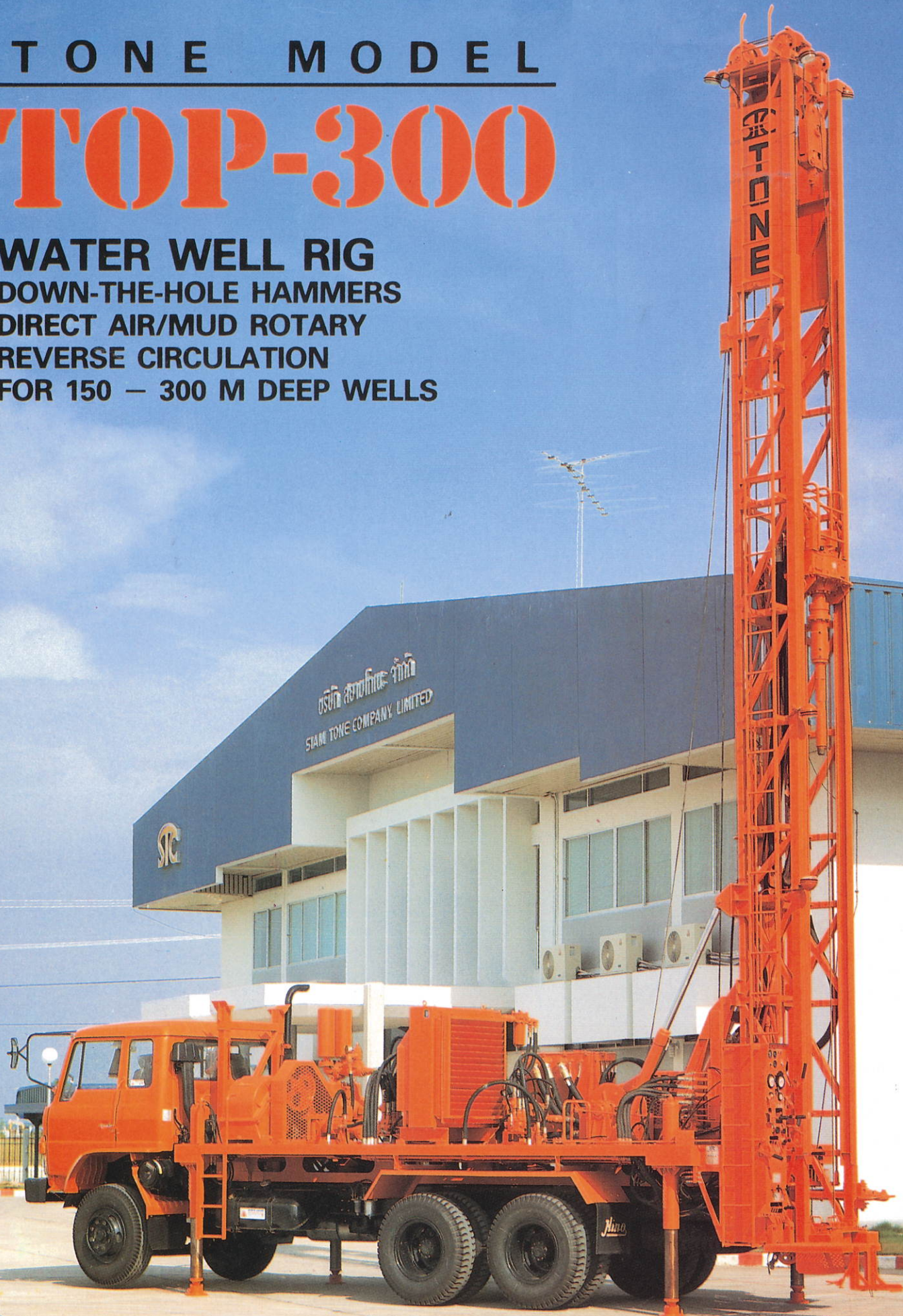


T O N E M O D E L
TOP-300

**WATER WELL RIG
DOWN-THE-HOLE HAMMERS
DIRECT AIR/MUD ROTARY
REVERSE CIRCULATION
FOR 150 – 300 M DEEP WELLS**



SIAM TONE CO., LTD.

RATED CAPACITY

Drill Pipe Size	Recommended Depth
3-1/2" (89 mm)	300 m (984')
4-3/4" (120 mm)	200 m (656')

POWER SWIVEL

Hydraulically driven heavy duty power swivel, with retract-back system in the mast. Hydraulic hoses are arranged properly in the mast.

Rating speed range	(Infinitely variable) Low series : 0 ~ 60 rpm High series : 0 ~ 120 rpm
Max. load capacity	9,000 kg (19,840 lbs)
I. D. of drive shaft	55 mm (2-3/16")

HOLD BACK/PULL DOWN

The mechanism of hold back and pull down is driven by twin hydraulic cylinder.

Max. hold back	9,000 kg (19,840 lbs)
Max. pull down	6,500 kg (14,300 lbs)
Feed stroke	7.5 m (25')

DRAWWORKS

Hydraulically driven, single drum type.

Barrel diameter	250 mm (9-7/8")
Barrel length	200 mm (7-7/8")
Max. single line pull	4,500 kg (9,920 lbs)
Spooling capacity	50 m (164') with 14 mm (23/32") wire rope

SAND REEL (OPTION)

Hydraulically driven, single drum type.

Barrel diameter	140 mm (5-1/2")
Barrel length	220 mm (8-11/16")
Max. single line pull	1,000 kg (2,200 lbs)
Spooling capacity	300 m (984') with 9 mm (3/8") wire rope

MAST

The mast is raised and lowered by twin hydraulic cylinder.

Height	10.7 m (35') clearance from holder base.
Total gross capacity	14,000 kg (30,800 lbs)
Max. hook load capacity	9,000 kg (19,840 lbs)
Sheaves	311 mm (12-1/4") x 2 sheaves



TOP-300 WATER WELL RIG

MUD PUMP

Hydraulically driven mud pump, duplex reciprocating type, model "NP-700"
Bore x stroke
140 mm (5-1/2") x 130 mm (5-1/8")
Max. delivery volume
750 lit/min (198 GPM)
Max. pressure
22 kg/cm² (313 PSI)

LEVELLING JACKS

Four hydraulic levelling jacks, fully equipped with safety devices, controlled individually.

CONTROLS

All controls and gauges required for drilling and rig operation are grouped and fitted at the driller's control panel and platform.

BREAKOUT

Hydraulically actuated pipe breakout system is equipped for easy disconnection of tool joints.

RIG MOUNTING TRUCK (FOR STANDARD UNIT)

Min. GVW rating	14,500 kg (31,900 lbs)
Min. wheel base	4,250 mm (167")

ALTERNATIVE MOUNTING

Full or semi-trailer mounting.

POWER UNIT

Truck engine power take-off.

ALTERNATIVE POWER UNIT

Heavy duty diesel engine for driving drill unit and hydraulic pump.
Min. power required 115 PS at 1,800 rpm.

LIGHTING

Floodlight arrangement for night operation.

OPTIONAL EQUIPMENT

Foam injection pump and dust collector for air percussion drilling.

Specifications are subject to change without notice.



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