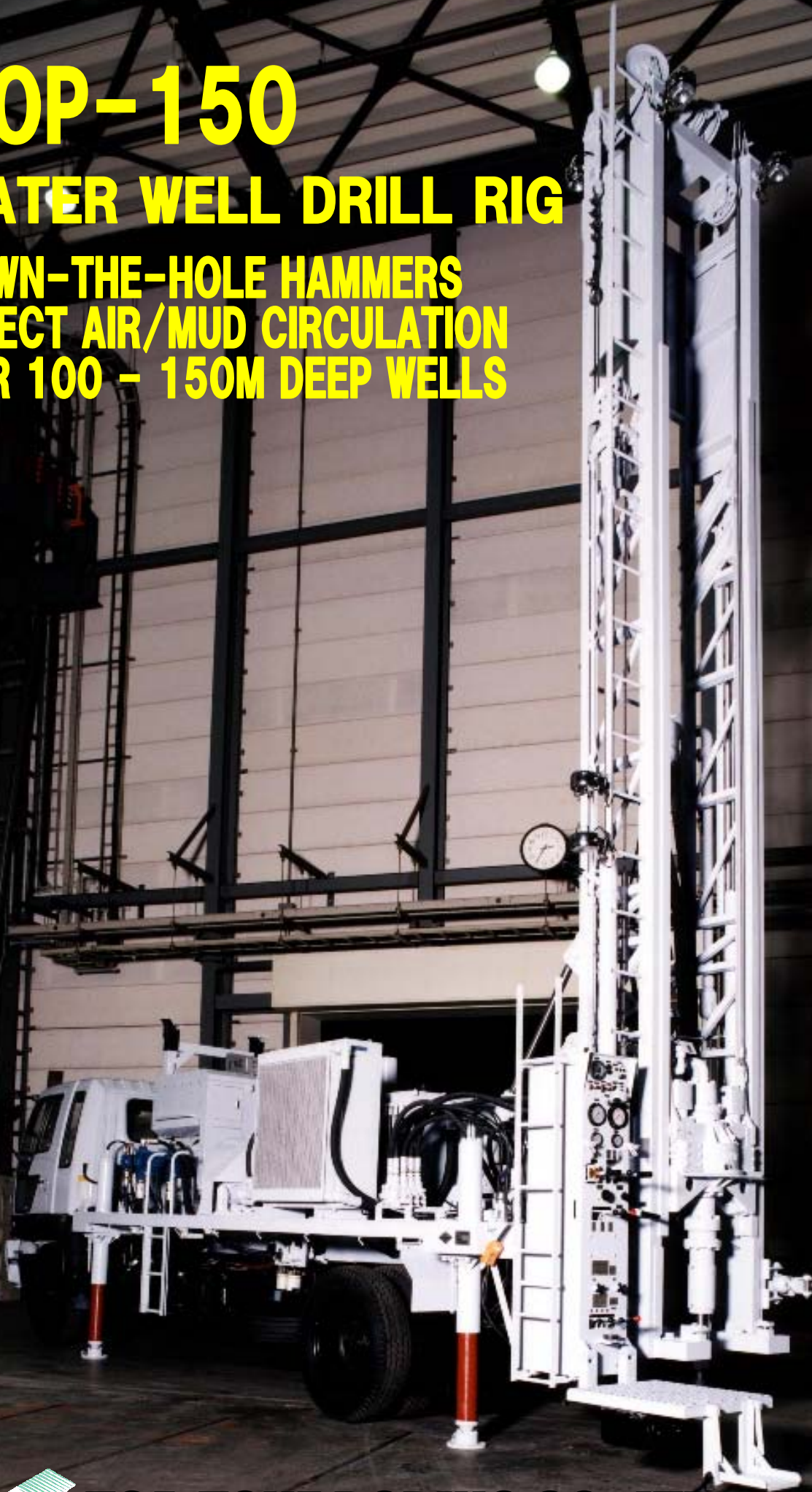


TOP-150

WATER WELL DRILL RIG

DOWN-THE-HOLE HAMMERS
DIRECT AIR/MUD CIRCULATION
FOR 100 - 150M DEEP WELLS



TOA-TONE BORING CO., LTD.

TOP-150 WATER WELL DRILL RIG

DECK ENGINE MOUNTED MODEL SHOWN IN
RIGHT PICTURE IS OPTIONAL



RATED CAPACITY

Drill Pipe Size **Recommended Depth**

3-1/2" (89 mm) 150 m
4-3/4" (120 mm) 100 m

POWER SWIVEL

Type; Hydraulic motor driven power swivel
with retract-back system
Speed range; 0 - 45 rpm.(low) 0 - 90 rpm. (high)
Max. torque; 3724 Nm (380 kgm) at low

PULLDOWN

Type; Hydraulic cylinders combined with
wire rope.
Max. lift; 53.9 kN (5,500 kg)
Feed stroke; 4.5 m.

MAST

Type; Rectangular steel electrically welded mast
raised and lowered by twin hydraulic
cylinder
Hook load; 43.1 kN (4,400 kg)
Gross capacity; 78.4 kN (8,000 kg)
Height; Approx. 8.2 m above ground

HOIST

Type; Hydraulic motor driven single drum
Single line pull; 21.5 kN (2,200 kg)
Spooling capacity; 40 m with 12.5 mm wire rope

LEVELLING JACK

Two each hydraulic levelling jacks, individually operated,
are provided at front and rear of the truck

NIGHT LIGHTS

Sealed beam flood lights, located to give good vision
of all operation for drilling at the night.

BREAKOUT SYSTEM

Hydraulically actuated pipe breakout system is mounted
for easy decoupling of tool joints.

CONTROLS

All controls and gauges necessary for drilling operation are
grouped and fitted at driller's control panel

MUD PUMP

Model name; "NP-400"
Type; Duplex double acting piston type
Max. discharge; 395 L/min
Max. pressure; 2.16 Mpa (22 kg/cm²)
(Option)
Model name; "NP-700"
Type; Duplex double acting piston type
Max. discharge; 730 L/min
Max. pressure; 1.86 Mpa (19 kg/cm²)

INJECTION PUMP

Max. discharge volume; 30 L/min
Max. pressure; 1.96 Mpa (20 kg/cm²)

POWER SUPPLY

Truck engine through PTO or deck mounted engine
Minimum power required 58 kW (80 PS)

TRUCK REQUIREMENT

Min. GVW rating; 13,000 kg
Min. wheel base; 4,200 mm

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