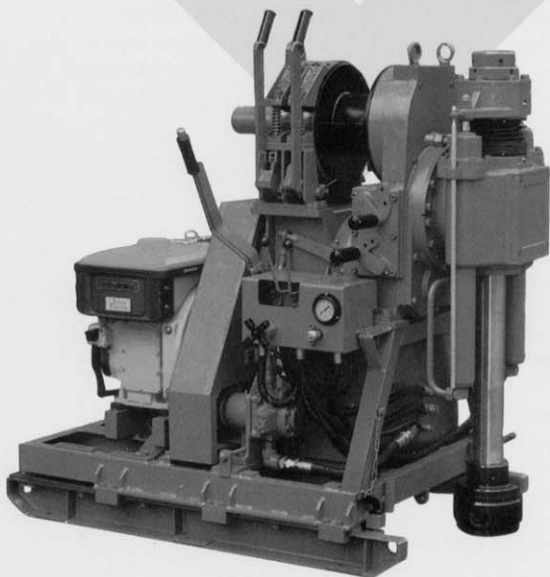


THC-1



LIGHT WEIGHT AND COMPACT MACHINE WITH ENOUGH
CAPACITY OF THRUST/LIFT AND HOISTING. SUITED
FOR SOIL SAMPLING, DIAMOND CORING AND SMALL
DIA. DTH HAMMER DRILLING



TOA-TONE BORING CO., LTD.

SPECIFICATIONS FOR THC-1 DRILLING MACHINE

CAPACITY

Drill rod size	Recommended depth
AQT/AW	330/320 m
BQT/BW	260/250 m
40.5	370 m
50	210 m
60	170 m

POWER UNIT

Electric motor	7.5 kw-4p, 3.7 kw-4p
Diesel engine	Required power: 12-15 ps, 6-9 ps

TRANSMISSION

Type	Sliding gear
No. of speeds	4-forward
Clutch type	Heavy duty, single plate dry disc

HOSIT

Type	Planetary gear
Drum diameter	160 mm
Drum length	135 mm
Spooling capacity	45 m with 12.5 mm cable
Rope speed	10, 23 m/min. (7.5 kw) 5, 12 m/min. (3.7 kw)
Max. single line pull	1 170 daN (1 800 kgf)

SWIVEL HEAD

Type	Twin hydraulic cylinder with screw chuck
Spindle I.D.	63 mm (Option : 93 mm)
Feed length	500 mm
Angle range	360°
Max. thrust	1 770 daN (1 800 kgf) at 6.08 MPa (62 kg/cm ²)
Max. lift	2 350 daN (2 400 kgf) at 6.08 MPa (62 kgf/cm ²)

BIT SPEED

55, 124, 243, 549 min ⁻¹ (7.5 kw)
30, 67, 132, 299 min ⁻¹ (3.7 kw)

HYDRAULIC PUMP

Type	Variable volume, vane
Discharge vol.	0-20 L/min.
Max. pressure	6.86 MPa (70 kgf/cm ²)
Working pressure	0.98-6.08 MPa (10-62 kgf/cm ²)

MOUNTING

Type	Steel skid frame with hydraulic slide base
Slide stroke	300 mm

OVERALL DIMENSIONS

With standard diesel engine	
Length	Approx. 1 361 mm
Width	Approx. 930 mm
Height	Approx. 1 370 mm

WEIGHT

Without power unit	Approx. 700 kg
Max. weight of component	Approx. 220 kg

OPTIONAL EQUIPMENT

- Cathead
- Self-towing device
- Spindle length 610 mm

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