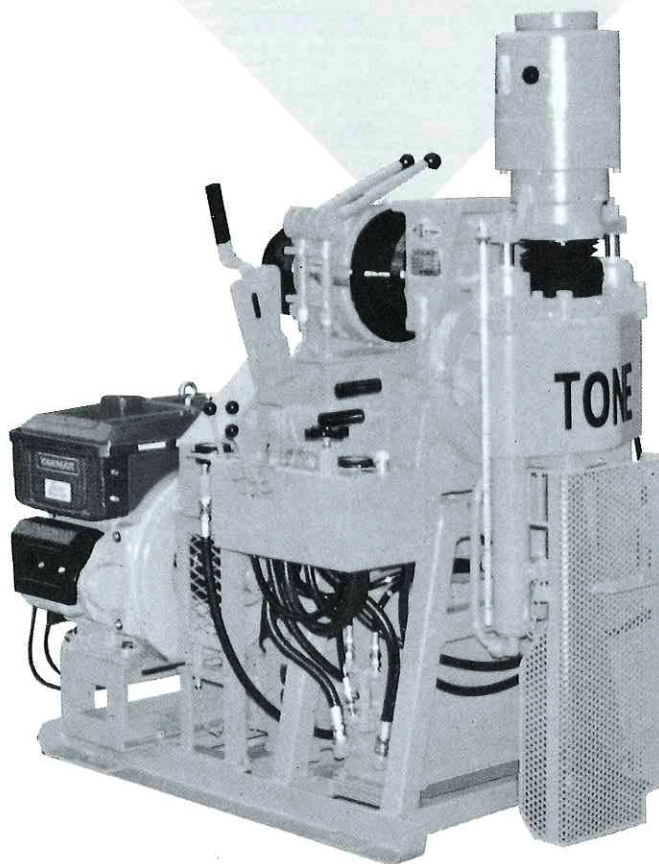


TEC-1



LIGHT WEIGHT AND COMPACT MACHINE WITH BIG ENOUGH
CAPACITY OF THRUST/LIFT SUITED
FOR SOIL SAMPLING AND DIAMOND CORING.



TOA-TONE BORING CO., LTD.

SPECIFICATIONS FOR TEC-1 DRILLING MACHINE

CAPACITY

Drill rod size	Recommended depth
AQT/AW	190/180 m
40.5	200 m
50	120 m

POWER UNIT

Electric motor	5.5 kw-4p.
Diesel engine	Required power; 10-11 ps

TRANSMISSION

Type	Sliding gear
No. of speeds	3-forward
Clutch type	Heavy duty, single plate dry disc

HOIST

Type	Planetary gear
Drum diameter	120 mm
Drum length	92 mm
Spooling capacity	30 m with 9 mm cable
Rope speed	13, 27, 52 m/min
Max. single line pull	980 daN (1,000 kgf)

SWIVEL HEAD

Type	Twin hydraulic cylinder with screw chuck
Spindle I.D.	52 mm
Feed length	500 mm
Angle range	360°
Max. thrust	2,020 daN (2,060 kgf)
Max. lift	2,696 daN (2,750 kgf)

BIT SPEED

A series	67, 139, 265 min ⁻¹
B series	128, 265, 505 min ⁻¹

MUD PUMP

Type	Single cylinder double acting piston
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Max. discharge vol.	40 ℓ/min
Max. pressure	1.47 MPa (15 kgf/cm ²)

HYDRAULIC PUMP

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

MOUNTING

Type	Steel skid frame
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OVERALL DIMENSIONS

Without diesel engine and slide base	
Length	Approx. 1,200 mm
Width	Approx. 1,200 mm
Height	Approx. 1,450 mm

WEIGHT

Without power unit	Approx. 535 kg
Max. weight of component	Approx. 150 kg

OPTIONAL EQUIPMENT

- Cathead
- Hydraulic slide base, stroke 300 mm
- Hydraulic chuck



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