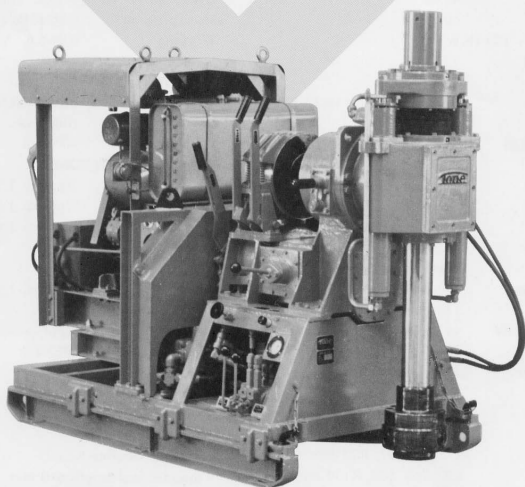


THS-88



VERSATILE LIGHT WEIGHT AND COMPACT UNIT
FOR DIAMOND CORING, SOIL SAMPLING,
SHALLOW WELL AND CAST-IN-PLACE CONCRETE
PILING.



TOA-TONE BORING CO., LTD.

SPECIFICATIONS FOR THS-88 DRILLING MACHINE

CAPACITY

For Exploration Drilling

Drill rod size	Recommended depth
JIS 50 mm	450-500 m
AQT	700-750 m
BQT	550-600 m
NQT	400-450 m

For Water Well Drilling

Drill rod size	Recommended depth
T73 (Flush joint)	150 m

For Large Hole Drilling for Foundation

Hole size	Recommended depth
1 000 mm	40 m
500 mm	60 m

*Rod size is T73 (KWY).

POWER UNIT

Electric motor	11 kw-4p
Diesel engine	Required power; 18-20 PS at 1 800 min ⁻¹

TRANSMISSION

Type	Sliding gear
No. of speeds	3-forward & 1-reverse
Clutch type	Heavy duty, single plate dry disc

HOIST

Type	Planetary gear
Drum diameter	160 mm
Drum length	135 mm
Spooling capacity	45 m with 12.5 mm cable
Rope speed	11, 22, 41 m/min. (Bare drum)
Max. single line pull	1 760 daN(1 800 kgf)

BIT SPEED

A series	36, 74, 138, R36 min ⁻¹
B series	77, 159, 297, R77 min ⁻¹
C series	130, 268, 500, R130 min ⁻¹

SWIVEL HEAD

Type	Twin hydraulic cylinder with screw chuck
Spindle I.D.	80 mm
Feed length	500 mm
Angle range	360°
Max. thrust	3 730 daN (3 800 kgf) at 6.67 MPa (68 kgf/cm ²)
Max. lift	4 410 daN (4 500 kgf) at 6.67 MPa (68 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	0.98-6.67 MPa(10-68 kgf/cm ²)

MOUNTING

Type	Steet skid frame with hydraulic slide base
Slide stroke	400 mm

OVERALL DIMENSIONS

Length	Approx. 1 980 mm
Width	Approx. 1 020 mm
Height	Approx. 1 630 mm

WEIGHT

Without power unit	Approx. 1 050 kg
Max. weight of component	Approx. 350 kg

OPTIONAL EQUIPMENT

- Hydraulic chuck
- Spindle I. D. of 92 mm.
- Self-towing device
- Cathead
- Built-in wireline hoist
- Spindle feed length 610 mm



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