



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

HOIST

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.
Feed length	500 mm.
Angle range	360°
Max. thrush	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.