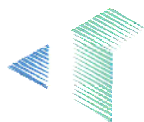


TONE-SONIC "SD-150" **Vibratory Rotary Drill**

**with Innovative and
Advanced Technology**

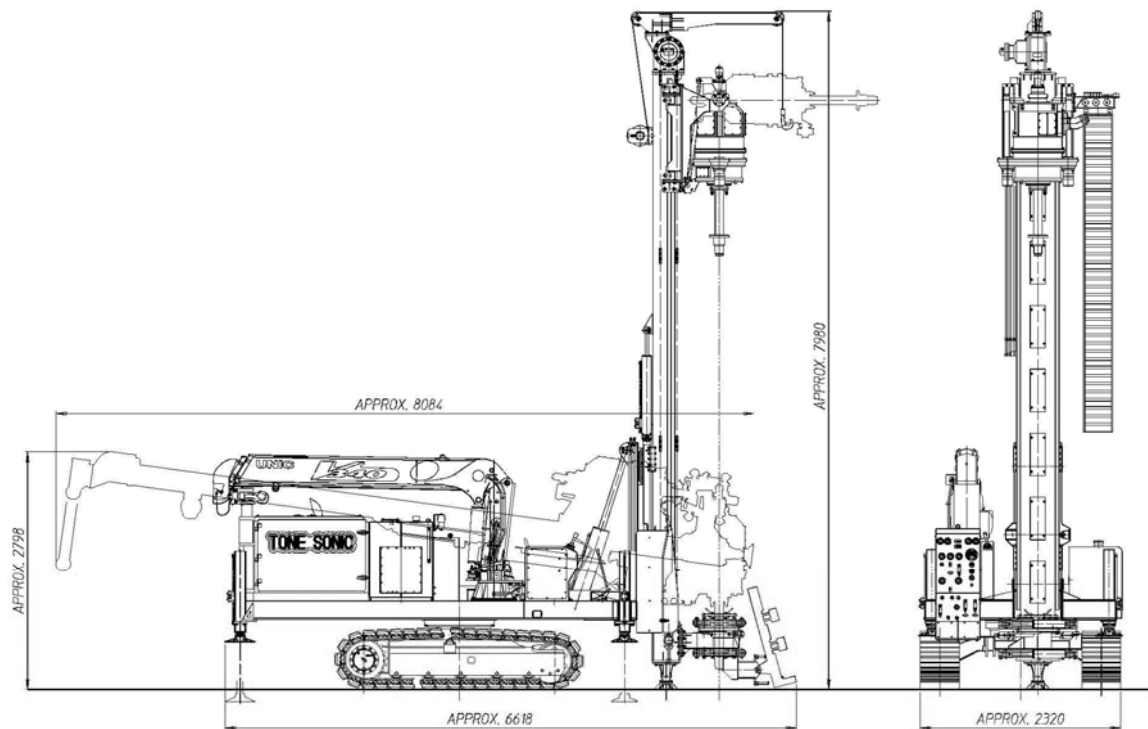
TONE-SONIC DRILL

* Crane is optional



TOA-TONE BORING CO., LTD.

SD-150 DRILL DIMENSIONS & SPECIFICATIONS



Base Machine

Capacity	0.28 m ³
Horse power	146 PS/1,800 min ⁻¹
Travelling speed	5.3/3.5 km/h
Gradeability	15°

Oscillator

Type	Hydraulic motor drive
Vibration force	—
Tilting angle	0 - 90°

Rotation Head

Type	Hydraulic motor drive
Rotation speed	0 - 105 min ⁻¹
Rotating torque	Forward : 4.9 kN·m Reverse : 5.9 kN·m

Feed System

Type	Hydraulic motor chain feed
Pull-up	78.5 kN
Pull-down	78.5 kN
Feed speed	14.5 m/min.
Feed stroke	4850 mm

Guide cell

Leader swing angle	7° to right and left
Leader slide stroke	750 mm.

Stroke for rear leveling jack 750 mm.

Weight of drill rig Approx. 12.5 ton

Geothermal hole drilling



Water well drilling



Environmental investigation



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