

KOKEN®

HIGH PERFORMANCE
SPINDLE TYPE COMPACT DRILL

MODEL **KT-100**

KT-100 is a high-powered small boring machine with a wide range of speed transmissions.
It is used for various construction works.

KOKEN® KOKEN BORING MACHINE CO., LTD.

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ISO 9001

Electric motor type with safety cover for



KOKEN BORING MACHINE CO., LTD.

High Performance Compact Drill with a Wide Range of Speed Transmissions

HIGH PERFORMANCE
SPINDLE TYPE COMPACT DRILL
MODEL KT-100

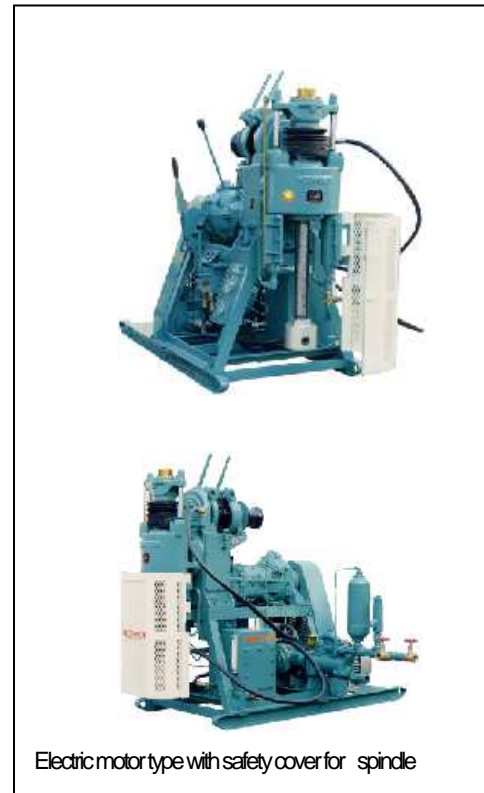
KT-100 has a lot of distinctive features compared to other machines from the same category, including its design for urban civil engineering. It has a wide range of speed control and is used for various construction works.

APPLICATIONS

- Chemical injection works
- General geological survey
- Grout Hole Drilling

ADVANTAGES

1. Eight types of rotation speed ranging 25 ~ 505 rpm are available under the standard specifications of the drilling machine. You can choose the rotation speed according to whatever rotation speed you require for your drilling application.
2. Light alloy metal is used for the main body case and covers. It is compact in size and light in weight and can also be quickly dismantled into several compact parts for convenient transportation. The heaviest dismantled part being the Swivel Head at 80 kg.
3. The hydraulic pipe uses a hose to allow easy disassembling.
4. A spindle operation at high return speed is possible through an exclusive combination line. A changeover switch controls the rotations of the spindle and drum. When the drum is running the spindle stops for safe and easy operation.
5. Operational handles and measuring instruments in number are on the same side of the machine for easy control by a single operator.
6. Either a motor or an engine can drive the power unit.
7. KT-100 is equipped with a built-in drilling pump KP-2C.



Electric motor type with safety cover for spindle

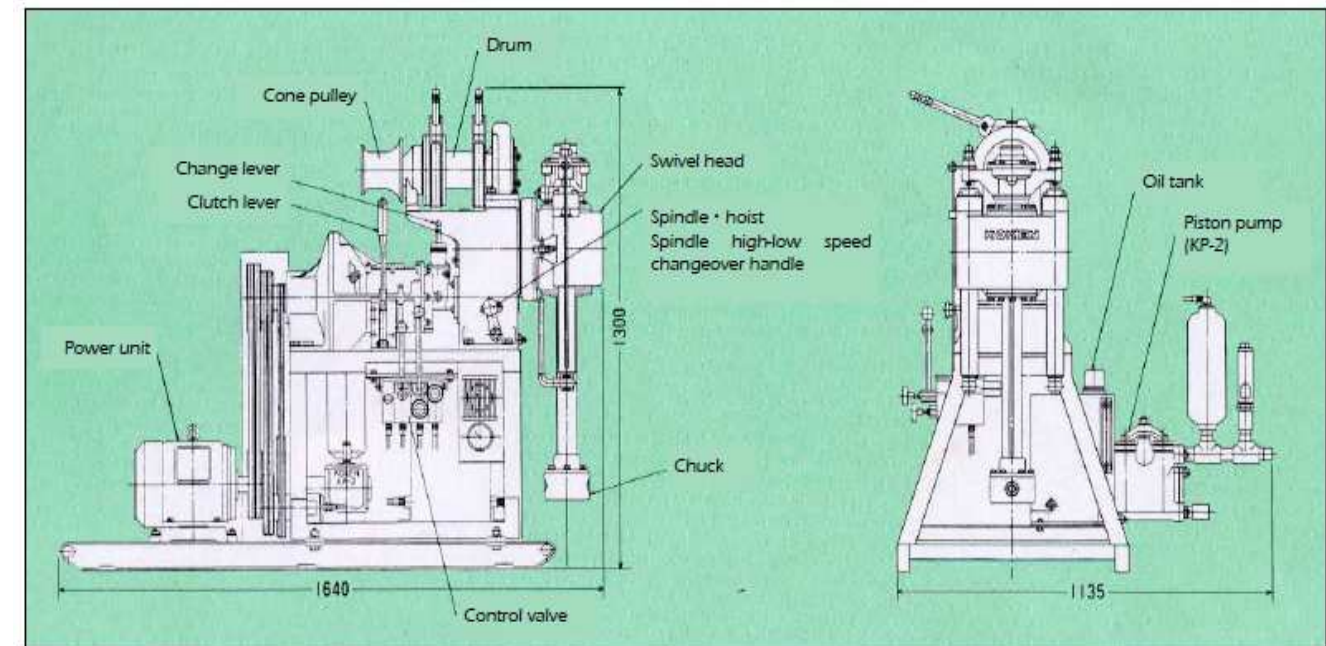


Engine type



Drilling pump KP-2C

PARTS NAME



SPECIFICATIONS

Drill	Model		KT-100
	Drilling capacity	m	50 ~ 150
	Spindle rotation	rpm	(L): 25-42-60-98 (H): 132-215-308-505
	Spindle I.D.	mm	46
	Spindle stroke	mm	400
	Thrust (max)	kg	900 (forward) 1,500 (backward)
	Angle range	°	360
	Hoist		Planetary gear system
	Hoisting capacity	kg	1,000 by single line winding
	Hoisting speed	m/min	5.3-9.0-12.9-21.1
	Rope capacity	mm φ x m	9 x 20
	Clutch		Single plate dry disc.
Pump	Oil pump	kg/cm ²	Gear pump
	Model		KP-2 (Piston pump)
	Stroke Length	mm	56
	Number of stroke	spm	235
	Piston dia.	mm	52.5
	Discharge capacity	l/min	40
Power unit	Pressure	Kg/cm ²	15
	Inlet dia.	mm (inch)	32 (1.1/ 4)
	Outlet dia.	mm (inch)	25 (1)
	Power unit	kW-P	Motor 3.7-4
Weight		PS	Engine 5.0
	Weight	kg	340 (without prime mover)
	Dimension (L x W x H)	mm	1,640 x 1,135 x 1,300 (with KP-2C)
Weight of heaviest disassembled part	kg		80 (Swivel head)

Specifications described herein are subject to change for better improvement without prior notice.