

Geomate Series

Steel pipe DHJ15-7SP



**14 t.m
specification**

**Rack & pinion
lifting/lowering
specification**

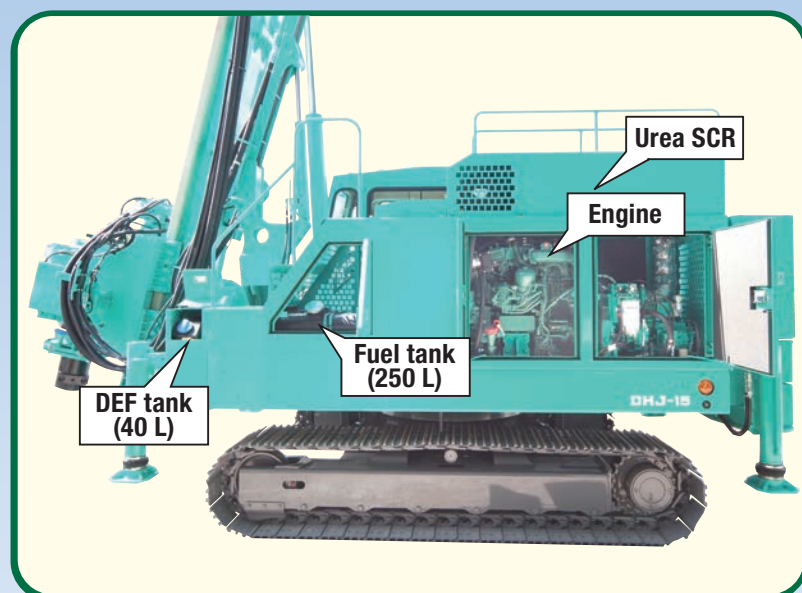
Upgraded power unit

**Compliant with the Act on Regulations for Emissions
from Non-road Vehicles Tier 4 exhaust emission regulations**

The urea SCR system injects urea into the muffler to break down increasing NOx into nitrogen and water, significantly reducing NOx in exhaust emissions, successfully achieving both clean performance and improved combustion efficiency.



Compliant with the Act on Regulations for Emissions from Non-road Vehicles 2014
Certified as super-low-noise type based on 1997 standards





Geomate Series DHJ15-7SP

DHJ15-7SP (rack & pinion lifting/lowering specification)	
Auger rotation torque (normal)	46 ~ 139 kN-m
Auger rotation torque (low torque)	15 ~ 46 kN-m
Auger rotation speed ^{*1}	5 ~ 30 min ⁻¹
Auger crowd/extraction force ^{*2}	98 kN
Auger lifting/lowering stroke	7,305 mm
Lifting/lowering speed	Normal: Approx. 5.5 m/min; increased speed: Approx. 13.0 m/min
Winch lifting capacity	1,000 kgf
Swing speed	Approx. 2.4 min ⁻¹
Travel speed	Fine speed 0.7 km/h; Normal 3.0 km/h
Climbing ability	30 %
Engine	VOLVO PENTA TAD571EV (compliant with the Act on Regulations for Emissions from Non-road Vehicles Tier 4 exhaust emission regulations)
Engine rated output	129 kW/2,000, min ⁻¹
Fuel consumption	205 g/kWh
Fuel tank capacity	250 L
Full equipment weight	18,500 kg (including cap, rod, and steel pipe pile)
Weight during transport	13,500 kg (excluding C/W, upper leader, lower guide, cap, rod, etc.)
Ground pressure(at full equipment weight)	76.0 kpa

*1. Values marked with * vary depending on the load.

*2. Auger crowd/extraction force is the maximum value generated at the lifting/lowering motor. Therefore, crowd/extraction force at the auger rod center is reduced from this value (due to own weight, frictional resistance, etc.).

Standard equipment

- Front and rear jacks
- Jack plates
- Detachable rubber pads (92 pieces)
- Drive rod (standard use)
- Swing optional lock
- Winch (wire rope ø10), hook
- Piling work management machine
- USB memory device

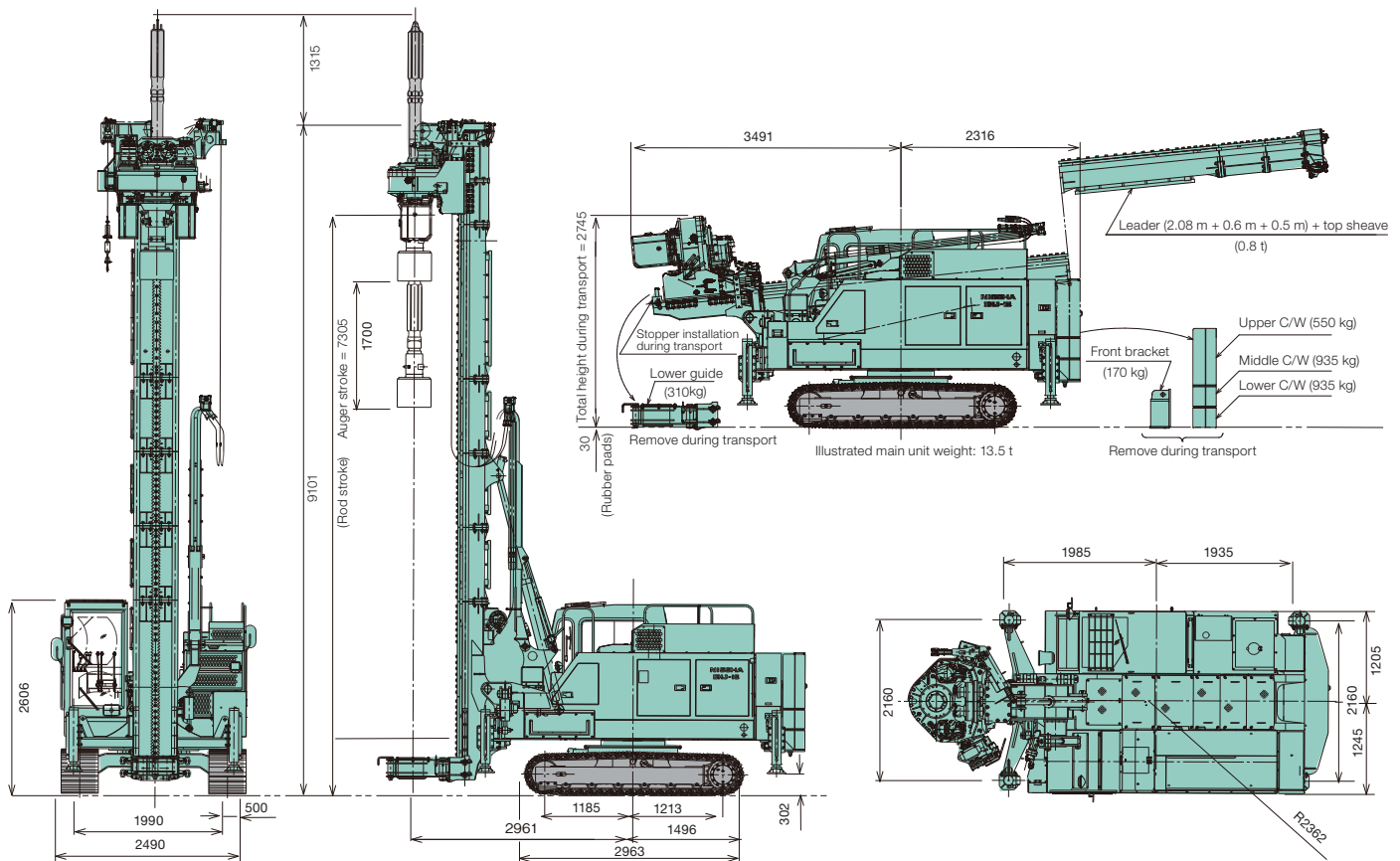
***Equipment and data connected to management systems other than Nippon Sharyo's products are outside our scope of responsibility.**

- Electric leader inclinometer (integrated with construction management system)
- Auger free mechanism
- Auger rotation detection
- Brake valve
- Main unit full-body lifting lug
- Air conditioner

Optional items (examples)

- Steel pipe lower guide & collar set
- Steel pipe caps
- Pin-type extension rod
- External display monitor
- Heater

External dimensions



NIPPON SHARYO, LTD.

<https://www.n-sharyo.co.jp/>

Construction Equipment Division/ Overseas sales department
Tel: +81-52-623-3529

- Specifications in this catalog are subject to change without notice.
- Please be sure to observe the precautions in the operation manual when operating this machine.
- Modifications to this machine or addition of other equipment/materials by the customer are outside our warranty scope. Please contact Nippon Sharyo.

Distributor

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