

二刀流

Soil Mixing/Steel Pile

DHJ15-7M/M+



The best of
both functions



NIPPON SHARYO

				DHJ15-7M		DHJ15-7M+
				6 tf-m specification (option)	Standard specification	Increased lifting force specification
Front attachment	Leader model			M08C		M08CE
	Auger model			HA-60S-6	HA-60S-8	HAM-60S-6/8
	Auger rotation torque (High torque) ^{*1}	Normal	kN·m	19.9 ~ 59.4	26.2 ~ 78.5	Refer to specifications on the left
			tf·m	2.0 ~ 6.1	2.7 ~ 8.0	
		Low torque	kN·m	6.6 ~ 19.8	8.8 ~ 26.2	
			tf·m	0.7 ~ 2.0	0.9 ~ 2.7	
	Soil mixing specification ^{*2}	kN·m	19.9 ~ 39.2	26.2 ~ 39.2		
		tf·m	2.0 ~ 4.0	2.7 ~ 4.0		
	Auger rotation speed ^{*1}	1st speed	min ⁻¹	12.0 ~ 35.8	9.7 ~ 28.9	
		2nd speed	min ⁻¹	23.9 ~ 71.6	19.3 ~ 57.9	
Auger crowd/extraction force ^{*3}			kN	91.1	120.3	
			tf	9.3	12.3	
Auger lifting/lowering stroke: Soil mixing [Steel pipe piling]		mm	7,200[7,500]		6,200[6,500]	
Lifting/lowering speed ^{*1}	1st speed	m/min	0.5 ~ 5.8		0.5 ~ 3.7	
	Double speed ^{*4}	m/min	—		0.5 to approx. 12	
Winch lifting capacity			kN	9.8		
			tf	1.0		
Wire rope			IWRC 6×Fi(29) 0/0 Class C ø10mm×30m			
Main unit related	Swing speed		min ⁻¹	Approx. 2.4		
	Travel speed ^{*1}	Normal	km/h	3.0		
		Fine speed	km/h	0.7		
	Climbing ability	Main unit only	%	30		
	Engine			VOLVO PENTA TAD571VE (Compliant with the Act on Regulations for Emissions from Non-road Vehicles 2014 (Tier 4) exhaust emission regulations)		
	Engine rated output		kW	129		
			min ⁻¹	2,000		
			PS	175		
			r.p.m	2,000		
	Fuel tank capacity		L	250		
	DEF tank capacity		L	25		
	Full equipment weight ^{*5}		t	18.5	18.6	
	Transport weight: With C/W [Without C/W] ^{*6}		t	16.7[13.8]	16.8[13.9]	
Average ground pressure (at full equipment weight)		kPa	75.6			
		kgf/cm ²	0.77			

*1. Values vary depending on the load. *2. Rotation torque in soil mixing specification is limited by the rod strength (durability).

*3. Crowd/extraction force is a chain drive calculated value. Crowd force depends on construction conditions, but it is limited to the load at which the main unit lifts off the ground (approx. 58 kN).

Actual lifting/lowering force is reduced by hydraulic circuit pressure loss and guide gip sliding resistance. Furthermore, the weight of the front attachment must be taken into account.

*4. Auger rotation is not possible during double-speed lifting/lowering. *5. Rod 2.0 m + 3.35 m + 7.65 m: 1.1 t (Increased lifting force spec.: 6.35 m + 6.65 m: 1.2 t), head: 0.4 t included

*6. With C/W: Excludes rod: 1.1 t, head: 0.4 t. [Without C/W] Counterweight: 2.9 t, rod: 1.1 t, head: 0.4 t, hydraulic lower guide: 0.3 t excluded.

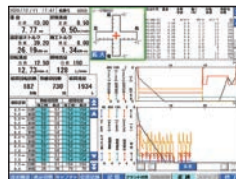
Equipped with new management system "Seko Master III" to support construction through machine control

NEW

Constant speed control	Controls auger lifting/lowering at a user-set value.
Speed reduction processing	Controls (decelerates) auger lifting/lowering when section flow rate or blade-cut count decreases.
Plant coordination control	Sets an arbitrary section flow rate and automatically controls slurry discharge volume according to lifting/lowering speed. *This function requires a plant with coordination capability and installation of a communication modem.



12.1-inch large monitor



Clear design improves visibility and operability



External display monitor is a detachable tablet device

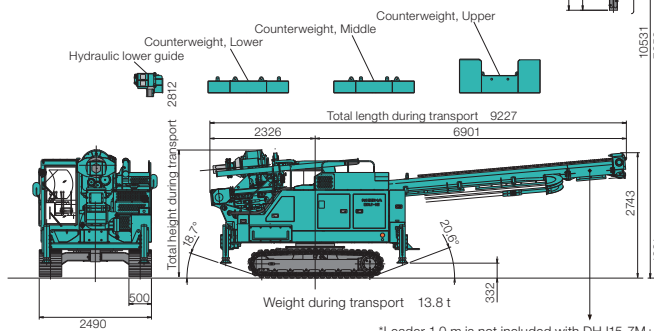
Dimensions

Transport configuration diagram/ External dimensions

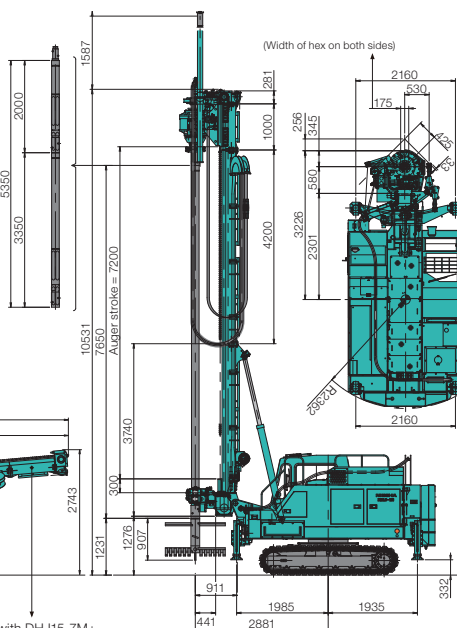
Transport disassembly dimensions and weight

	L(mm)	W(mm)	H(mm)	(t)
Counterweight - Upper	301	1,790	754	0.86
Counterweight - Middle	301	1,790	360	0.94
Counterweight - Lower	301	1,790	360	0.96
Hydraulic lower guide	—	—	—	0.3

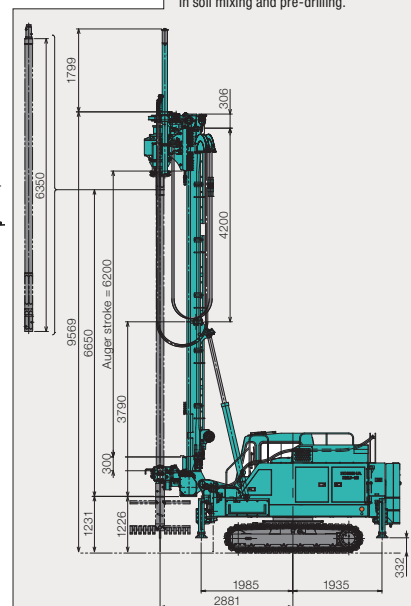
*Counterweight assembly order is from bottom: Lower → Middle → Upper.



*Leader 1.0 m is not included with DHJ15-7M+



DHJ15-7M



DHJ15-7M+

NEW

Newly launched with increased extraction force

Auger crowd/extraction force
9.3 tf → **12.3 tf**



With increased chain drive capacity, auger crowd/extraction force improved by 30%. Useful for extraction operations in soil mixing and pre-drilling.



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- 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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