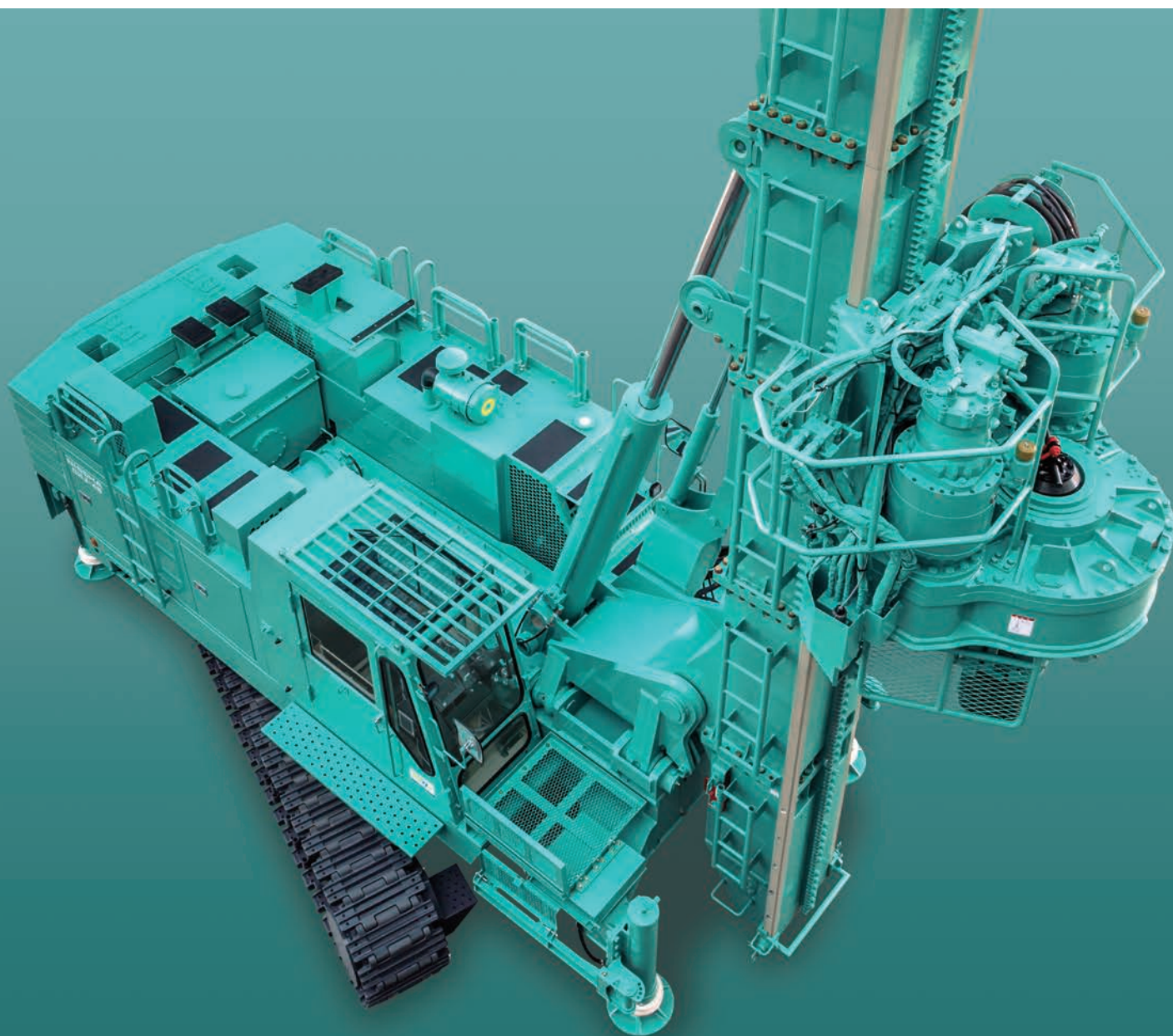


Steel Pile

DHJ45-5SP70



NIPPON SHARYO

DHJ45-5SP70			
Front attachment	Leader model		M70C(R)
	Auger model		HA-700SK – 70W
	Auger rotation torque (high torque)	kN-m	167 ~ 694
		tf-m	17.0 ~ 70.8
	Auger rotation torque (low torque)	kN-m	57 ~ 239
		tf-m	5.8 ~ 24.3
	Auger rotation speed (1st speed) ^{*1}		min ⁻¹ 1.7 ~ 6.7
	Auger rotation speed (2nd speed) ^{*2}		min ⁻¹ 3.3 ~ 13.4
	Auger crowd/ extraction force ^{*2}	1st speed/ 3rd speed	kN 295
		tf	30
		2nd speed/ 4th speed	kN 197
		tf	20
	Auger lifting/lowering stroke	At holder lower end	mm 9,435
		1st speed	m/min 4.5
		2nd speed	m/min 6.5
		3rd speed	m/min 7.0
Main unit related	Lifting/lowering speed ^{*1}	4th speed	m/min 9.5
		kN	29.4
		tf	3.0
		Winch lifting capacity	
	Wire rope		IWRC 6×F(29) Class C ø16mm×60m
	Swing speed	min ⁻¹	1.2
		km/h	1.6
	Travel speed ^{*1}	Normal	km/h 0.1
		Fine speed	km/h 40
	Climbing ability		%
	Engine		Hino Motors, Ltd. JO8E-TM type diesel engine 4-cycle water-cooled overhead valve inline direct injection type
	Engine rated output	kW	209
		min ⁻¹	2,100
		PS	284
		r.p.m.	2,100
	Fuel tank capacity (+ sub fuel tank, optional)		L 250(+500P)
	Full equipment weight ^{*3}		t 59.9
	Weight during transport ^{*4}		t 31.4
	Average ground pressure (at full equipment weight)		kPa 133
			kgf/cm ² 1.36

*1. Values vary depending on the load.

*2. Crowd force and extraction force are rack drive calculated values. Crowd force depends on construction conditions, but it is limited to the load at which the main unit lifts off the ground (force applied to rack: approx. 116 kN). Actual crowd and extraction forces are reduced by hydraulic circuit pressure loss and guide gib sliding resistance.

*3. Including steel pipe pile ø600 × 9 m, 1.8 t

*4. Excluding auger and counterweight.

Standard equipment	Main unit related	Safety devices
	Counterweight (13.8 t)	OK display
	Front jack (with bellows)	Swing warning lamp & buzzer
	Rear jack (with bellows)	
	Jack plates (4 pieces)	Front attachment
	Rubber pads	12.1 m standard leader
	Undercover	Short front attachment
	Upper house handrail (retractable)	Top sheave
	Folding step on operator's side	Winch (wire rope ø16 × 60 m, with hook)
	Front wiper (front and skylight)	Auger (694 kN·m)
	Non-slip sheet (upper house surface)	Chuck
	Headlights (LED × 2 locations)	Auger free mechanism
	Rear-view mirrors (1 each, left and right)	Auger rotation detection
	Window washer (front)	Brake valve
	Wireless external display	Lower guide stopper
	Analog inclinometer	Chuck buzzer alarm
	Optional equipment	Air conditioner
Interior light (LED)		Steel pipe drive rod (300S × 3000 stroke)
AM/FM radio with clock		Steel pipe drive rod (300S, no stroke)
Cigarette lighter		Piling work management machine (Seko Master II)
Spirit level		
Floor mat		
Included tools		
Optional equipment		Main unit related
	Counterweight subdivision	Rear-view camera (up to 2 monitors, up to 4 cameras)
	Side frame access step	Leader fall protection device pole
	Oil cooler	
	Emergency escape hydraulic source outlet	Front attachment
	Sub fuel tank (50 L)	Steel pipe drive rod (for top drive)
	Folding steps (left and right)	Swivel setting
	Tool holder	Lower guide (ø600, ø609.6, ø800, ø812.8, ø1000)
	Steel plate storage box	Steel pipe lower guide collar (various types)
	Welding arm	Screw guide (ø1000 base)
	Foot heater	Screw guide collar (various types)
	Microphone & speaker	Hydraulic hose cover (Velcro/reversible cover)
	Muffler exhaust direction change	Soil mixing hydraulic auger (HA-280SK-20WS)
	Auxiliary LED lights (C/W × 2 + cab right side × 1)	*Details of the above auger require separate consultation.
		Contra-rotational mixing hydraulic auger (HAM-150S-15/15)
	Management system	
	Backup device	*Please refer to the separate catalog for details of the above auger.

Dual auger specification supports soil mixing methods. Rack & pinion mechanism allows easy changeover.

OPTIONAL

*Dual auger specifications require separate consultation.



Soil mixing hydraulic auger HA-280SK-20WS

Maximum rotation torque	Maximum rotation speed	Auger crowd/ extraction force
196 kN-f (20 tf-m)	48.2 min ⁻¹	295 kN (30 tf)



Contra-rotational mixing hydraulic auger HAM-150S-15/15

Maximum rotation torque	Maximum rotation speed	Auger crowd/ extraction force
Inner: 148 kN-m (15 tf-m) Outer: 147 kN-m (15 tf-m)	Inner: 45.3 min ⁻¹ Outer: 44.7 min ⁻¹	295 kN (30 tf)



Compliant with the Act on Regulations for Emissions from Non-road Vehicles (Small-lot special exception)



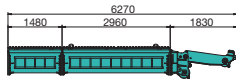
1997 standards
Certified as low-noise type

Dimensions

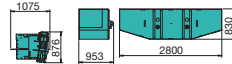
Transport configuration diagram/External dimensions

C/W subdivision **OPTIONAL**

	Number of pieces	(t)	L(mm)	W(mm)	H(mm)
Upper	1	1.7	775	2,800	145
Middle	6	1.7	775	2,800	188
Lower	1	1.8	765	2,800	721



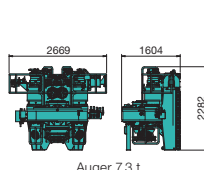
Leader 2.2 t



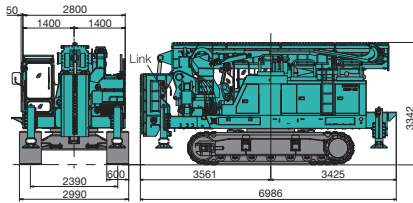
Lower counterweight 6.7 t



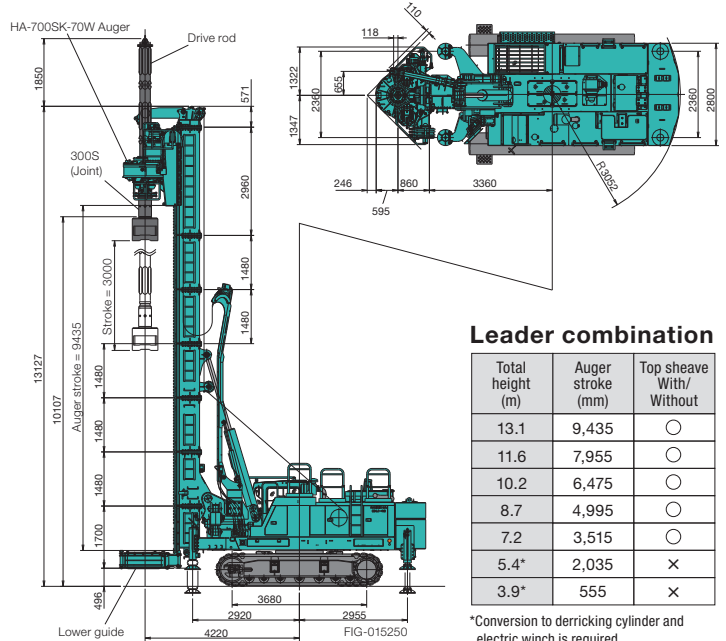
Upper counterweight 7.1 t



Auger 7.3 t



Weight: approx. 31.4 t



Leader combination

Total height (m)	Auger stroke (mm)	Top sheave With/ Without
13.1	9,435	○
11.6	7,955	○
10.2	6,475	○
8.7	4,995	○
7.2	3,515	○
5.4*	2,035	×
3.9*	555	×

*Conversion to derricking cylinder and electric winch is required.



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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

CAT.No.195B (Contents of this catalog are current as of April 2024)