

Uncased bored pile machines

(Kelly Bar Type Earth Drilling Rigs)

Points of Equipment Selection

NIPPON SHARYO

Fleet of NISSHA kelly bar type

EARTH DRILLING RIGS

Telescopic boom type

TE4000-2



Lattice boom type

ED5500

ED6200H

ED6500



Leader type

PDH-90



SPECIFICATIONS : *EARTH DRILLING RIGS*

SPECIFICATIONS	TE4000-2	ED5500	ED6200H	ED6500	PDH-90
Maximum bore (m)					
Shaft drilling	2.0	2.0	3.0	3.0	2.5
Belling bucket	-	3.1	4.1	4.1	3.1
Maximum depth (m)	43	58*(68)	62	71	45.5
Maximum torque (ton-m)	6.0	6.0	10.7	13.4	20**(30)
Bucket speed (rpm)	30/15	30/15	2010	33/18/10	4.6~18.5
Crane capacity (with kelly bar)	6t x 7.7m	7.5t x 8m	15t	4.9 x 14m	6t
Engine output (kW/PS)	117.6/160	114/155	184/250	147/200	184/250
Operating weight (ton) with ϕ 1800 bucket	46.4	57.8	*83.5	*116.6	*93
			(* without bucket)		
Average ground pressure (kg/cm ²)	0.77	0.80	1.10	1.40	1.37

Applicable working conditions

EARTH DRILLING RIGS (● :Suitable)

Model	TE4000-2	ED5500	ED6500 ED6200H	PDH-90
Working conditions				
Shaft boring	●	●	●	●
Bell pile applications	-	●	●	●
Deep drilling(>50m)	-	●	●	-
Cased bored pile (Soil conditions)	-	-	-	●
Maximum N-value	50	50	50	Bedrock
Cobbles/boulders	-	-	-	●
Concrete bases/piles	-	-	-	●
Crane lifting work	-	●	●	-