

# PILE DRIVER (Tilting Type)

## [World Patent Product]

- For excavators range from 14 to 50ton
- 30% better efficiency than the general type
- Excellent driving and extracting thanks to high frequency vibration & powerful centrifugal force
- Innovative 90° tilting & 360° rotation function by a simple joystick contro
- Easy & accurate control of piling process by a single operator with joystick
- 90° degree tilting function makes a whole lot easier and time-efficient, non-stop piling operation since the pile can be picked up from a horizontal to vertical position and driven to the ground directly
- Powerful hydraulic clamp cylinder to ensure safety during operation
- Reduced costs of transportation and operation
- Extended lifetime by using special bearings designed for high frequency vibration
- Patented cushion elastomers absorb vibration and protect the excavator
- Easy installation using hydraulic one way piping line of the excavator
- Double clamp and tube clamp can be fitted for wide pipe and tube (Optional)



## Technical Specification

Model		Units	DPD250T	DPD350T	DPD600T	DPD700T	DPD850T
Applicable Excavator		Ton	14	20-25	28-36	36-42	42-50
Frequency		rpm	2500	3000	2750	2700	2700
		Hz	42	50	45	45	45
Centrifugal Force		lb	36000	67000	112000	128000	155000
		kN	160	300	500	570	690
Eccentric Moment		in.lbs	217	304	530	608	738
		kgm	2.5	3.5	6.1	7	8.5
Setting Oil Pressure		kg/cm <sup>2</sup>	250	250	250	250	250
		psi	3600	3600	3600	3600	3600
Required Oil Flow		l/min	100-120	180	200	300	300
		gpm	26-31	48	53	79	79
Dimension	Height (A)	in	76.4	82.6	82.6	93.6	93.7
		mm	1940	2100	2100	2380	2380
	Length (B)	in	46.6	52	53.7	57.5	58.4
		mm	1185	1320	1363	1460	1484
	Width (C)	in	28	30	29.8	30.7	30.7
		mm	714	762	757	780	780
Upper Pin (D)	in	10.4	13.5	13.5	13.5	13.5	
Clamping Jaw (E)	mm	265	345	345	345	345	
	in	1.8	1.2	1.6	1.6	1.6	
Rotation / Tilt Angle		degree	360 / 90	360 / 90	360 / 90	360 / 90	360 / 90
Weight	Main Body	lb	2866	3740	4189	4850	5512
		kg	1300	1700	1900	2200	2500
	Extension Boom	lb	-	1298	1386	1452	1452
		kg	-	590	630	660	660

► The above specifications are subject to change without prior notice for quality enhancement.

