

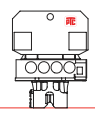
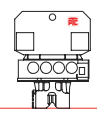
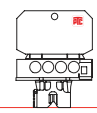
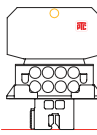
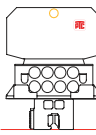


HF High Frequency Vibrodrivers

High frequency vibration of PTC vibrators primarily reduces the friction between the soil and the pile because this sort of machines vibrates at frequencies higher than 30 Hz. Thus, high-frequency vibrators have been employed to avoid resonance which may damage neighbouring structures. The vibration also allows easy extraction of the pile by pulling on the excavator arm.



HF Vibrodrivers (High Frequency Vibrators)

								
		3HF5	7HF4	13HF3	15HF3	20HF3	23HF3A	30HF3A
Vibrator								
Power of vibrator	kW/hp	44/60	92/125	153/206	210/285	222/302	230/312	292/397
Eccentric moment	m.kg	3	6.5	13.5	15	18	23	27
Maximum frequency	Hz/rpm	38/2 300	38/2 300	38/2 300	38/2 300	38/2 300	38/2 300	38/2 300
Max. centrifugal force	kN	175	385	798	887	1 060	1 360	1 596
Max. line pull capacity	kN	120	120	300	300	300	400	400
Vibrating weight	kg	305	650	1 200	1 300	1 900	2 270	2 400
Total weight	kg	560	980	2 500	2 600	3 050	3 870	4 000
Max. amplitude	mm	19.6	20	22.5	23	19	20	22.5
Cooler*		-	-	-	-	-	-	-
Length	m	0.616	0.865	1.745	1.745	1.745	2.200	2.200
Max. width	m	0.485	0.590	0.700	0.700	0.765	0.765	0.765
Centre width	m	0.290	0.330	0.340	0.340	0.415	0.330	0.330
Height without clamp	m	1.025	1.075	1.510	1.510	1.647	2.030	2.030
Power Pack								
Type		85	180	260	350	350	350	600
Intermittent rating of engine DIN6271 or ISO3046	kW/hp	60/81	127/173	205/279	242/329	242/329	242/329	403/548
Engine model		J.DEERE 4045D	J.DEERE 6068 TF275	CAT C7 ACERT	CAT C9 ACERT	CAT C9 ACERT	CAT C9 ACERT	CAT C15 ACERT
Max. rotation speed	r.p.m	2 500	2 500	2 300	2 300	2 300	2 300	2 300
Max. oil flow	l/mn	85	180	280	380	380	380	600
Max. working pressure	bar	385	385	385	385	385	385	385
Hydraulic oil capacity	l	125	270	310	310	310	310	690
Fuel capacity	l	150	260	560	560	560	560	1 080
Length	m	2.400	3.150	4.000	4.000	4.000	4.000	4.680
Width	m	0.950	1.270	1.600	1.600	1.600	1.600	1.800
Height	m	1.650	1.865	2.040	2.040	2.040	2.040	2.390
Weight without fuel	kg	1 500	3 200	4 000	4 200	4 200	4 200	7 000
Connecting Hoses								
Standard length	m	15	30	30	30	30	30	30
Weight	kg	110	220	350	350	350	350	570
Clamping Head								
Single sheet piles not Z, straight web, double Z shaped sheet piles and H profiles		Agriplex 40 t 220 kg	Agriplex 40 t 220 kg	Agriplex 85 t 430 kg	Agriplex 120 t 750 kg	Agriplex 120 t 750 kg	Agriplex 170 t 1 250 kg	Agriplex 240 t 2 150 kg
Double sheet piles		-	-	Multiplex 2x42 t 980 kg	Multiplex 2x55 t 1 300 kg	Multiplex 2x55 t 1 300 kg	Multiplex 2x85 t 1 650 kg	Multiplex 2x120 t 2 200 kg
Casings and most box piles		-	-	Duplex 2 x 42 t 590 kg	Duplex 2 x 55 t 950 kg	Duplex 2 x 55 t 950 kg	Duplex 2 x 85 t 1 250 kg	Duplex 2 x 120 t 1 660 kg

* Noticeably for continuous running