



EXCAVATOR FLOW CHART



DEEP FOUNDATION SOLUTIONS

VIBRATORY HAMMER • POWER UNIT • AUGER SYSTEMS • DIESEL & HYDRAULIC HAMMERS
• DRILL RIGS • HYDRAULIC PILING RIGS • WICK DRAIN INSTALLERS • LEAD SYSTEMS

Please see below table for APE specification of Pressure & Flow of Excavator Mounted Vibros.

Formula: $VPM \times Motor\ CIN \times Gear\ Ratio / 231$

Model	Motor Type	Max Pressure (PSI)	Speed (VPM) Vibrations per Minute	Motor Size (CID) Cubic IN Displacement	Gear Ratio	GPM Gallons Per Minute	Excavator Model (GPM)
Model 33X		4500					
Model 64X	RR FM125	4500	1650	7.628	1.36	74	CAT Model 323 (113)
Model 15E	RR FM80	4500	1650	4.882	1	35	CAT Model 323 (113)
Model 20E	MA125 Hydro Leduc	4500	1650	7.628	1	54	CAT Model 323 (113)
Model 50E	MA125 Hydro Leduc	4500	1650	7.628	1.36	74	CAT Model 323 (113)
Model 50E	Rexroth 90FM0	4500	1550	5.492	1.36	50	CAT Model 323 (113)
Model 100E	MA125 Hydro Leduc	4500	1650	7.628	1.36	74	CAT Model 323 (113)
APE RoboVibe	White Motor	4500	1950	4.5	1	38	CAT Model 323 (113)
APE 60E	MA125	4500	1850	7.628	1.3	79	CAT Model 323 (113)
60	MA125	4500	1650	7.628	1.3	71	CAT Model 323 (113)
60	MA125	4500	1850	7.628	1.3	79	CAT Model 323 (113)
216E	Eaton 35M115A11C20	4500	1600	7.44	1.87	96	CAT Model 323 (113)
100	MA125 Hydro Leduc	4500	1650	7.628	1.36	74	CAT Model 323 (113)
150	FM125	4500	1650	7.628	1.28	70	CAT Model 323 (113)
70AT	FM80	4061	2800	4.882	1	59	CAT Model 323 (113)
70SG	FM80	4061	2800	4.882	1	59	CAT Model 323 (113)

Formula: $VPM \times Motor\ CIN \times Gear\ Ratio / 231$

Table for Motor Displacement

APE PN	MOTOR DESCRIPTION	Motor Size (CID) Cubic IN Displacement
112001B	FM80	4.882
130785	MA108	6.59
1004931-SN	FM125	7.628
1005193-SN	FM160	9.764
1006683-SN	FM180	10.984
150437	White Motor	4.975
130025	Eaton Motor	7.44
142001A-SN	FM250	15.2559



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