



(800) 248-8498

Ram Weight(lbs): 27,563

Diesel Hammer Energy Output and Pile Bearing Chart APE Model D125-13

The energy output is based on the identical Piston/Travel calculations utilized in the *Pile Driving Analyzer* and the *Saximeter*.

The pile bearing chart is based on the Engineering News formula for pile bearing and is provided for the user's convenience only.

Pile Bearing (tons) = $2E/(S+.1)/2000$, where E = Hammer energy (ft-lbs) and S = Pile set (inches per blow)

APE has no preference for these particular formulas and calculations over any other.

Blows per Minute	Stroke (feet)	Energy (ft-lbs)	Pile Set (Blows per inch)																		
			<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>	<u>10</u>	<u>11</u>	<u>12</u>	<u>13</u>	<u>14</u>	<u>15</u>	<u>16</u>	<u>17</u>	<u>18</u>	<u>19</u>	<u>20</u>
46	6.8	188,509	314	435	539	628	707	776	838	893	943	987	1028	1065	1100	1131	1160	1187	1212	1235	1257
45	7.1	196,980	328	455	563	657	739	811	875	933	985	1032	1074	1113	1149	1182	1212	1240	1266	1291	1313
44	7.5	206,035	343	475	589	687	773	848	916	976	1030	1079	1124	1165	1202	1236	1268	1297	1325	1350	1374
43	7.8	215,730	360	498	616	719	809	888	959	1022	1079	1130	1177	1219	1258	1294	1328	1358	1387	1413	1438
42	8.2	226,125	377	522	646	754	848	931	1005	1071	1131	1184	1233	1278	1319	1357	1392	1424	1454	1482	1508
41	8.6	237,290	395	548	678	791	890	977	1055	1124	1186	1243	1294	1341	1384	1424	1460	1494	1525	1555	1582
40	9.0	249,303	416	575	712	831	935	1027	1108	1181	1247	1306	1360	1409	1454	1496	1534	1570	1603	1633	1662
39	9.5	262,251	437	605	749	874	983	1080	1166	1242	1311	1374	1430	1482	1530	1574	1614	1651	1686	1718	1748
38	10.0	276,236	460	637	789	921	1036	1137	1228	1308	1381	1447	1507	1561	1611	1657	1700	1739	1776	1810	1842
37	10.6	291,369	486	672	832	971	1093	1200	1295	1380	1457	1526	1589	1647	1700	1748	1793	1835	1873	1909	1942
36	11.2	307,781	513	710	879	1026	1154	1267	1368	1458	1539	1612	1679	1740	1795	1847	1894	1938	1979	2016	2052
35	11.8	325,620	543	751	930	1085	1221	1341	1447	1542	1628	1706	1776	1840	1899	1954	2004	2050	2093	2133	2171