

# Piranha Ironworkers Capacities & Specifications



IRONWORKERS • IRONWORKER TOOLING

Rated on Mild Steel (60,000) PSI Tensile Strength

All machines subject to changes in specification

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|   | P-40   | P-50   | P-70  | P-90   | P-120  | PII-88  | PII-140  | SEP-120                              |
|---|--|--|---|--|--|---|--|--------------------------------------|
| Throat Depth  | 5"   | 8"   | 10"   | 12"  | 12"  | 9"  | 20.5"  | 21.5"                                |
| Open Height   | 11-1/2"  | 13-1/2"  | 15"   | 15-1/2"  | 15-1/2"  | 14"   | 14"  | 12-1/4"                              |
| Closed Height w/o Die Block   | 7-1/2"   | 9-1/4"   | 10-1/8"   | 10-1/4"  | 10-1/4"  | 7-3/4"  | 7-3/4"   | 10-1/4"                              |
| Stroke Length   | 4"   | 4-1/4"   | 4-7/8"  | 5-1/4"   | 5-1/4"   | 7"  | 7"   | 2"                                   |
| Platen Table Size (D-W)   | 8" x 10"   | 10" x 17"  | 12" x 21"                                       | 14-1/2" x 21"  | 14-1/2" x 21"  | 11" x 38"   | 16" x 36"  | 20" x 10"                            |
| Punch<br>Hole Size (Max. Material)<br>Max. Hole Size (Material)           | 40 Tons<br>1" (1/2")<br>1-1/2" (3/16")           | 50 Tons<br>13/16" (3/4")<br>5" (1/8")                | 70 Tons<br>1-3/16" (3/4")<br>4-1/2" (3/16")     | 90 Tons<br>1-1/8" (1")<br>5" (3/16")                 | 120 Tons<br>1-1/2" (1")<br>5" (1/4")                 | 88 Tons<br>1-1/16" (1")<br>5" (3/16")             | 140 Tons<br>1-3/8" (1-1/4")<br>5" (5/16")            | 120 Tons<br>1-1/2" (1")<br>5" (1/4") |
| Plate Shear<br><br>*w/ fixed hold down                                    | 13" Long<br>5/8" x 6"<br>1/2" x 8"<br>1/4" x 13" | 15-1/2" Long<br>*1" x 4"<br>3/4" x 10"<br>5/8" x 15" | 18" Long<br>1" x 6"<br>3/4" x 12"<br>1/2" x 18" | 20-1/2" Long<br>1" x 12"<br>3/4" x 18"<br>1/2" x 20" | 20-1/2" Long<br>1" x 12"<br>3/4" x 18"<br>1/2" x 20" | 24" Long<br>3/4" x 8"<br>5/8" x 12"<br>1/4" x 24" | 20-1/2" Long<br>1" x 14"<br>3/4" x 18"<br>1/2" x 20" | N/A                                  |
| Angle Shear<br>**w/ special blade   | 3-1/2" x 3-1/2"<br>x 5/16"                       | 5" x 5" x 3/8"<br>4" x 4" x 1/2"                     | 5" x 5" x 1/2"                                  | 6" x 6" x 5/8"                                       | 6" x 6" x 5/8"                                       | 5" x 5" x 3/8"<br>**4" x 4" x 1/2"                | 6" x 6" x 5/8"                                       | N/A                                  |
| Bar Shear<br>Round (min. to max.)<br>Square (min. to max.)                | Optional<br>1/4" to 1-3/8"<br>1/2" to 1"         | 1/4" to 1-1/2"<br>1/2" to 1"                         | 1/2" to 2"<br>1/2" to 1-3/8"                    | 1/2" to 2"<br>1/2" to 1-3/8"                         | 1/2" to 2"<br>1/2" to 1-3/8"                         | 1/4" to 1-1/2"<br>1/2" to 1"                      | 1/2" to 2"<br>1/2" to 1-3/8"                         | N/A                                  |
| Coper-Notcher (Tons)<br>(Max.)  | 40<br>2-1/4" x 3 x 1/4"                          | 56<br>2-3/4" x 4" x 1/4"                             | 75<br>3-1/2" x 5" x 3/8"                        | 95<br>4" x 6" x 3/8"                                 | 95<br>4" x 6" x 3/8"                                 | 56<br>2-3/4" x 4" x 1/4"                          | 95<br>4" x 6" x 3/8"                                 | N/A                                  |
| Bending Attach. (std.)<br>(Optional Length)                               | 6"<br>12"  | 8"<br>12", 14", 24"                                  | 12"<br>24"                                      | 12"<br>24"   | 12"<br>24"   | Optional<br>24", 36", 48"                         | Optional<br>18", 24", 36", 48"                       | Optional<br>18"                      |
| Punch End<br>Strokes Per Minute<br>Optional Speed-Up Kit                  | 50 @ 1/2"  | 60 @ 1/2"<br>N/A                                     | 30 @ 3/4"<br>N/A                                | 40 @ 3/4"<br>N/A                                     | 40 @ 3/4"  | 19 @ 1"<br>N/A                                    | 24 @ 1"  | 16 @ 1"<br>N/A                       |
| Work Station Height<br>(Approx.)  | 42"  | 42"  | 42"   | 44"  | 44"  | 41"   | 44"  | 42"                                  |
| Hydraulics<br>Pump GPM<br>System R/V PSI                                  | 7.6<br>2000                                      | 10.5<br>2600   | 15<br>2600                                      | 15<br>2650   | 15<br>3500   | 7.5<br>3500                                       | 15<br>3500   | 10.5<br>2850                         |
| Fluid Capacity (gal.)   | 12   | 20   | 25  | 25   | 25   | 20  | 40   | 30                                   |
| Motor Std. 230/460 3 Ph.<br>1800 RPM<br>Opt. Phase & Voltage<br>Available | 5 HP 3 Ph.                                       | 10 HP 3 Ph.  | 15 HP 3 Ph.                                     | 15 HP 3 Ph.  | 20 HP 3 Ph.  | 10 HP 3 Ph.                                       | 20 HP 3 Ph.  | 10 HP 3 Ph.                          |
| Dimensions (Net)<br>W-L-H Approx.   | 24" x 55" x 58"                                  | 24" x 66" x 60"                                      | 31" x 79" x 64"                                 | 35" x 90" x 66-1/2"                                  | 35" x 90" x 68-1/2"                                  | 38" x 90" x 72"                                   | 38" x 120" x 85"                                     | 48" x 60" x 72"                      |
| Weight (Net)<br>Lbs. Approx.  | 1700   | 2600   | 4250  | 5800   | 6200   | 4700  | 11,930   | 4100                                 |