

|                                     | PowerTIG<br>200DV                                                                                                                                                    | SQUAREWAVE<br>200                                                                                                 | DYNASTY<br>210                                                                                                                 | EZ TIG<br>165i                                                                      | PROTIG<br>200                                                                       | PRECISION<br>TIG 225                                                                | INVERTIG<br>221DV                                                                   | DIVERSION<br>185                                                                                                   | ESAB<br>186i                                                                        | DYNASTY<br>200                                                                      |
|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                                     |                                                                                     |                                  |                                              |  |  |  |  |                                 |  |  |
| Manufacturer                        | EVERLAST                                                                                                                                                             | LINCOLN ELECTRIC                                                                                                  | MILLER                                                                                                                         | HOBART                                                                              | VULCAN                                                                              | LINCOLN ELECTRIC                                                                    | HTP                                                                                 | MILLER                                                                                                             | ESAB                                                                                | MILLER                                                                              |
| Inverter Type                       | Digital IGBT                                                                                                                                                         | Digital IGBT                                                                                                      | Digital IGBT                                                                                                                   | Digital IGBT                                                                        | Digital IGBT                                                                        | Transformer                                                                         | Digital IGBT                                                                        | Digital IGBT                                                                                                       | Digital IGBT                                                                        | Digital IGBT                                                                        |
| Output Type                         | AC/DC TIG, Stick                                                                                                                                                     | AC/DC TIG, Stick                                                                                                  | AC/DC TIG, Stick                                                                                                               | AC/DC TIG, Stick                                                                    | AC/DC TIG                                                                           | AC/DC TIG, Stick                                                                    | AC/DC TIG, Stick                                                                    | AC/DC TIG                                                                                                          | AC/DC TIG                                                                           | AC/DC TIG, Stick                                                                    |
| Voltage/Phase/Hz                    | 120/240/1/60                                                                                                                                                         | 120/230/1/60                                                                                                      | 120/220/380/480<br>1/3/50/60                                                                                                   | 230/1/60                                                                            | 120/240/1/60                                                                        | 208/230/1/60                                                                        | 115/230/1/60                                                                        | 115/230/1/60                                                                                                       | 208/230/1/50/60                                                                     | 120-480/1/3/50/60                                                                   |
| Max Rated TIG Amps                  | 120V: 125 A<br>240V: 200 A                                                                                                                                           | 120V: 125 A<br>230V: 200 A                                                                                        | 120V: 210 Amps<br>220V: 210 Amps                                                                                               | 230V:165 Amps                                                                       | 120V: 130 Amps<br>240V: 200 Amps                                                    | 208/230V: 5-230 Amps                                                                | 115V: 155 Amps<br>230V: 220 Amps                                                    | 115V: 10-125 Amps<br>230V: 10-180 Amps                                                                             | 208/230V: 10-200 Amps                                                               | 115V: 1-105Amps<br>230/480V: 1-200 Amps                                             |
| Max Rated Stick Amps                | 120V: 100A<br>240V: 160A                                                                                                                                             | 120V: 75 A<br>230V: 170 A                                                                                         | 120V: 100 Amps<br>230V: 160 Amps                                                                                               | No Stick Function                                                                   | 120V: 80 Amps<br>240V: 170 Amps                                                     | 208/230V: 230 Amps                                                                  | 115V: 140 Amps<br>230V: 200 Amps                                                    | No Stick Function                                                                                                  | 208/230V: 170 Amps                                                                  | 115V: 1-150 Amps<br>230/480V: 1-200 Amps                                            |
| TIG Amps @<br>Rated Duty Cycle      | 120V:<br>125A @ 60% Duty Cycle<br>100A @ 100% Duty Cycle<br>230V:<br>200A @ 60% Duty Cycle<br>160A @ 100% Duty Cycle                                                 | 120V:<br>125A @ 25% Duty Cycle<br>100A @ 40% Duty Cycle<br>230V:<br>200A @ 25%Duty Cycle<br>160A @ 40% Duty Cycle | 120V:<br>125A @ 60% Duty Cycle<br>100A @ 100% Duty<br>Cycle<br>208-480V:<br>210A @ 60% Duty Cycle<br>175A @ 100% Duty<br>Cycle | 230V:<br>150A @ 20% Duty Cycle                                                      | 120V:<br>130A @ 25% Duty Cycle<br>240V:<br>200A @ 25% Duty Cycle                    | 208/230V:<br>225A @ 10% Duty Cycle<br>90A @ 100% Duty Cycle                         | 120V:<br>155A @ 20% Duty Cycle<br>110A @ 100% Duty Cycle<br>240V                    | 115V:<br>125A @ 35% Duty Cycle<br>60A @ 100% Duty Cycle<br>230V:<br>180A @ 10% Duty Cycle<br>60A @ 100% Duty Cycle | 208/230V:<br>200A @ 20% Duty Cycle<br>90A @ 100% Duty Cycle                         | 115V: 140A @ 40% Duty<br>Cycle<br>230/480V: 200A @ 20%<br>Duty Cycle                |
| Stick Amps @ Rated<br>Duty Cycle    | 120V:<br>100A @ 35% Duty Cycle<br>80A @ 60% Duty Cycle<br>60A @ 100% Duty Cycle<br>240V:<br>160A @ 35% Duty Cycle<br>130A @ 60% Duty Cycle<br>100A @ 100% Duty Cycle | 120V:<br>75A @ 20% Duty Cycle<br>65A @ 60% Duty Cycle<br>230V:<br>170A @ 20%Duty Cycle<br>100A @ 60% Duty Cycle   | 120V:<br>90A @ 60% Duty Cycle<br>208-480V:<br>160A @<br>60% Duty Cycle                                                         | None                                                                                | 120V:<br>80A @ 20% Duty Cycle<br>240V:<br>170A @ 20% Duty Cycle                     | 208/230V:<br>225A @ 10% Duty Cycle<br>90A @ 100% Duty Cycle                         | N/A                                                                                 | None                                                                                                               | 208/230V:<br>117A @ 15% Duty Cycle<br>80A @ 100% Duty Cycle                         | 115V: 100A @ 60% Duty<br>Cycle<br>230/480V: 200A @ 20%<br>Duty Cycle                |
| Max Inrush (I1MAX)<br>Amps)         | 120V: 35A<br>240V: 31A                                                                                                                                               | 120V: 25A                                                                                                         | 120V: 33A<br>240V: 29A                                                                                                         | N/A                                                                                 | N/A                                                                                 | 208V: 42A<br>230V: 39A                                                              | 26A                                                                                 | N/A                                                                                                                | 35.6A                                                                               | N/A                                                                                 |
| Maximum Rated<br>(I1EFF) Input Amps | 120V: 24A<br>240V: 23A                                                                                                                                               | 230V: 14.7A                                                                                                       | 120V: 26A<br>240V: 24A                                                                                                         | 230V: 23A                                                                           | 120V: 24.5A<br>240V: 21A                                                            | 208/230V:                                                                           | 120V: 30A<br>230V:26A                                                               | 115V:26.5A<br>230V: 20.5A                                                                                          | 16.5A                                                                               | 1 Phase: 15.8A<br>3 Phase: 13.7A                                                    |
| OCV                                 | TIG: 68V<br>Stick: 68V                                                                                                                                               | 62V                                                                                                               | 80 V                                                                                                                           | 80V                                                                                 | 13.5V (with VRD)                                                                    | 75V                                                                                 | 65V                                                                                 | 80V                                                                                                                | 70.3V                                                                               | 80V                                                                                 |
| TIG Output Range DC                 | 120V: 5A-125A/10.2V-15V<br>240V: 5A-200A/10.2V-18V                                                                                                                   | 120V: 10A-125A<br>230V: 10-200A                                                                                   | 120V: 1-210A<br>208-480: 1-210A                                                                                                | 230V: 10-165A                                                                       | 120V: 10A-130A<br>240V: 10A-200A                                                    | 208/230V: 5A-230A                                                                   | 120V: 4A-155A<br>240V: 4A-220A                                                      | 115V: 10-125 Amps<br>230V: 10-180 Amps                                                                             | 208/230V: 10-200 Amps                                                               | 115V: 1-150 Amps<br>230/480V: 1-200 Amps                                            |
| TIG Output Range AC                 | 120V: 20A-125A/ 10.8V-15V<br>240V: 20A-200A/10.8V-18V                                                                                                                | 120V: 10A-110A<br>230V: 10-200 A                                                                                  | 120V: 2-210A<br>208-480: 2-210A                                                                                                | 230V: 10-165A                                                                       | 120V: 10A-120A<br>240V: 10A-200A                                                    | 208/230V: 5A-230A                                                                   | N/A                                                                                 | 115V: 10-125 Amps<br>230V: 10-180 Amps                                                                             | 208/230V: 10-200 Amps                                                               | 115V: 5-150 Amps<br>230/480V: 5-200 Amps                                            |
| Stick Output Range DC               | 120V: 5A-100A/ 20.2V-24V<br>240V: 5A-160A/20.2V-26.4V                                                                                                                | 120V: 0-90 A<br>230V: 10-170 A                                                                                    | 120V: 5-100A<br>208-480: 5-210A                                                                                                | None                                                                                | 120V: 10-80A<br>240V: 10-170A                                                       | 208/230V: 5A-230A                                                                   | 120V: 140A<br>240V:200A                                                             | None                                                                                                               | 208/230V: 10-170 Amps                                                               | 115V: 1-105 Amps<br>230/480V: 1-200                                                 |
| Stick Function                      | Adjustable Arc Force Control                                                                                                                                         | None                                                                                                              | N/A                                                                                                                            | None                                                                                | Adjustable Arc Force                                                                | N/A                                                                                 | N/A                                                                                 | None                                                                                                               | N/A                                                                                 | Adjustable Arc Force                                                                |
| Stick Hot Start Type                | Auto Adaptive Hot Start                                                                                                                                              | None                                                                                                              | N/A                                                                                                                            | None                                                                                | N/A                                                                                 | N/A                                                                                 | N/A                                                                                 | None                                                                                                               | N/A                                                                                 | N/A                                                                                 |
| 6010/Cellulose Capable              | Limited to 6011                                                                                                                                                      | Limited to 6011                                                                                                   | 6010/6011                                                                                                                      | No                                                                                  | 6010/6011                                                                           | 6010/6011                                                                           | None                                                                                | None                                                                                                               | Limited to 6011                                                                     | 6010/6011                                                                           |
| Minimum Amp DC TIG<br>Start         | 5A                                                                                                                                                                   | 10A                                                                                                               | 1A                                                                                                                             | 10A                                                                                 | 10A                                                                                 | 5A                                                                                  | 4A                                                                                  | 10A                                                                                                                | 10A                                                                                 | 1A                                                                                  |
| Minimum Amp AC TIG<br>Start         | 20A                                                                                                                                                                  | 10A                                                                                                               | 2A                                                                                                                             | 10A                                                                                 | 10A                                                                                 | 5A                                                                                  | 4A                                                                                  | 10A                                                                                                                | 10A                                                                                 | 5A                                                                                  |
| TIG Start Type                      | HF<br>Lift TIG                                                                                                                                                       | HF<br>Lift TIG                                                                                                    | HF<br>Lift TIG                                                                                                                 | HF<br>Lift TIG                                                                      | HF<br>Lift TIG                                                                      | HF                                                                                  | HF<br>Lift TIG                                                                      | HF                                                                                                                 | HF<br>Lift TIG                                                                      | HF<br>Lift TIG                                                                      |
| Memory                              | No                                                                                                                                                                   | No                                                                                                                | Yes                                                                                                                            | No                                                                                  | No                                                                                  | No                                                                                  | Yes                                                                                 | No                                                                                                                 | No                                                                                  | No                                                                                  |
| Start Amp Range                     | 5-200A                                                                                                                                                               | 10-200A                                                                                                           | 2-210A                                                                                                                         | 10-165A                                                                             | 10-200A                                                                             | 5-225A                                                                              | 4-220A                                                                              | 10-180A                                                                                                            | 10-200A                                                                             | 1-200A                                                                              |
| End Amp Range                       | 5-200A                                                                                                                                                               | 10-200A                                                                                                           | 2-210A                                                                                                                         | 10-165A                                                                             | 10-200A                                                                             | 5-225A                                                                              | 4-220A                                                                              | 10-180A                                                                                                            | 10-200A                                                                             | 1-200A                                                                              |
| Upslope                             | Fixed, Minimum                                                                                                                                                       | N/A                                                                                                               | 0-50 Seconds                                                                                                                   | None                                                                                | N/A                                                                                 | None                                                                                | N/A                                                                                 | None                                                                                                               | Yes                                                                                 | 0-25 Seconds                                                                        |
| Down Slope                          | 0-25 Seconds                                                                                                                                                         | N/A                                                                                                               | 0-50 Seconds                                                                                                                   | None                                                                                | N/A                                                                                 | None                                                                                | .1-10 Seconds                                                                       | None                                                                                                               | Yes                                                                                 | 0-25 Seconds                                                                        |
| Preflow                             | 0-10 Seconds                                                                                                                                                         | N/A                                                                                                               | 0-25 Seconds                                                                                                                   | .2 Seconds                                                                          | N/A                                                                                 | .5 Seconds                                                                          | .1-2 Seconds                                                                        | .4 seconds                                                                                                         | Yes                                                                                 | 0-25 Seconds                                                                        |
| Post Flow                           | 0-25 Seconds                                                                                                                                                         | Auto                                                                                                              | Auto/Off-50 Seconds                                                                                                            | Auto (1 second / 10 Amps)                                                           | Auto                                                                                | 1-30 Seconds                                                                        | .1-30 Seconds                                                                       | Auto (1 sec / 10 amps)                                                                                             | Yes                                                                                 | 0-50 Seconds                                                                        |
| TIG Pulse                           | Yes                                                                                                                                                                  | Yes                                                                                                               | Yes                                                                                                                            | No                                                                                  | Yes                                                                                 | Yes                                                                                 | Yes                                                                                 | No                                                                                                                 | Yes                                                                                 | Yes                                                                                 |
| Standard DC Pulse<br>Frequency      | .5-150Hz                                                                                                                                                             | .1-20Hz                                                                                                           | 0-250Hz                                                                                                                        | None                                                                                | 0-300Hz                                                                             | .1-20Hz                                                                             | .1-999Hz                                                                            | None                                                                                                               | .5-200Hz                                                                            | .1-500Hz                                                                            |
| Standard AC Pulse<br>Frequency      | .5-150Hz                                                                                                                                                             | .1-20Hz                                                                                                           | 0-250Hz                                                                                                                        | None                                                                                | 0-300Hz                                                                             | .1-20Hz                                                                             | .1-999Hz                                                                            | None                                                                                                               | .5-200Hz                                                                            | .1-500Hz                                                                            |
| Pulse Time On (Duty<br>Cycle)       | 10-90%                                                                                                                                                               | Fixed                                                                                                             | 40%                                                                                                                            | None                                                                                | N/A                                                                                 | 50%                                                                                 | 10%-90%                                                                             | None                                                                                                               | 15%-80%                                                                             | 5-95%                                                                               |
| Pulse Amp Range                     | 5-95% of welding amps                                                                                                                                                | Fixed @ 50%                                                                                                       | Fixed @ 25%                                                                                                                    | None                                                                                | N/A                                                                                 | 50%                                                                                 | 10%-90%                                                                             | None                                                                                                               | DC: 5-200A<br>AC:10-200A                                                            | 5-95%                                                                               |
| AC Frequency (Hz)                   | 20-250Hz                                                                                                                                                             | 60-150Hz                                                                                                          | 70-150Hz                                                                                                                       | 60Hz                                                                                | 5-150Hz                                                                             | 60Hz                                                                                | 20-200Hz                                                                            | 60H                                                                                                                | 15 - 150Hz                                                                          | 20-250Hz                                                                            |
| AC Balance Range                    | 30-70% of Electrode Positive                                                                                                                                         | 60-90% of Electrode Negative                                                                                      | 60%-80% Electrode<br>Negative                                                                                                  | Auto                                                                                | 50-90% of Electrode<br>Negative                                                     | Auto                                                                                | 10%-90% Electrode<br>Negative                                                       | 72% Electrode Negatove                                                                                             | 10-65% Electrode<br>Negative                                                        | 30-99%                                                                              |
| AC Wave Forms                       | Advanced Square Wave                                                                                                                                                 | Square Wave                                                                                                       | Soft Square Wave                                                                                                               | N/A                                                                                 | Square Wave                                                                         | Square Wave                                                                         | Square Wave                                                                         | Advanced Square Wave                                                                                               | Squarewave                                                                          | Advance Squarewave,<br>Soft Squarewave, Sine<br>Wave, Triangular wave               |
| Remote Control                      | 2T/4T                                                                                                                                                                | 2T/4T                                                                                                             | 2T/4T                                                                                                                          | 2T                                                                                  | 2T/4T                                                                               | 2T/4T                                                                               | 2T/4T                                                                               | 2T/4T                                                                                                              | 2T/4T                                                                               | 2T/4T                                                                               |
| Foot Pedal                          | Standard                                                                                                                                                             | Yes                                                                                                               | No                                                                                                                             | Yes                                                                                 | Yes                                                                                 | Yes                                                                                 | Yes                                                                                 | Yes                                                                                                                | Yes                                                                                 | No                                                                                  |
| Price                               | \$1,349                                                                                                                                                              | \$1,661                                                                                                           | \$4,744                                                                                                                        | \$1,749                                                                             | \$899                                                                               | \$2,704                                                                             | \$3,020                                                                             | \$2,817                                                                                                            | \$2,599                                                                             | No Longer<br>Available                                                              |

\*Based upon advertised numbers at the time of publication.

\*N/A - Not Available at time of publication

\*NLA - No Longer Available