

## Calculating Amperage for ACER Machines

| Model                                    | HP   | 220V 1PH | 220V Amp | 440V Amp |
|--|------|----------|----------|----------|
| <b>Machining Centers</b>                 |      |          |          |          |
| VMC-1824                                 | 10   |          | 38       | 19       |
| VMC-1832                                 | 10   |          | 38       | 19       |
| VMC-2040L w/ Fagor CNC Control           | 10   |          | 38       | 19       |
| VMC-2240XL w/ Fagor CNC Control          | 10   |          | 38       | 19       |
| VMC-2240XL w/ Fanuc CNC Control          | 10   |          | 38       | 19       |
| VMC-2443 w/ Fagor CNC Control            | 10   |          | 38       | 19       |
| VMC-2443XL w/ Fanuc CNC Control          | 10   |          | 38       | 19       |
| VMC-2451 w/ Fagor CNC Control            | 10   |          | 38       | 19       |
| EMC-2240A w/ Fagor CNC Control           | 10   |          | 38       | 19       |
| EMC-2250 w/ Fagor CNC Control            | 10   |          | 38       | 19       |
| EMC-3060 w/ Fagor CNC Control            | 10   |          | 38       | 19       |
| EMC-3580 w/ Fagor CNC Control            | 13.3 |          | 50       | 25       |
| EMC-35100 w/ Fagor CNC Control           | 13.3 |          | 50       | 25       |
| <b>Turning Centers</b>                   |      |          |          |          |
| JG-100                                   |      |          | 0        | 0        |
| JG-200                                   |      |          | 0        | 0        |
| JG-300                                   |      |          | 0        | 0        |
| <b>Milling Machines &amp; Bed-mills</b>  |      |          |          |          |
| E-mill 3VS/3VK/3VKH                      | 3    | 20       | 12       | 6        |
| E-mill 5VK                               | 5    | 33       | 19       | 10       |
| E-mill 6VK                               | 7    | 46       | 27       | 14       |
| E-mill 3VS/3VK/3VKH w/ Fagor CNC Control |      |          | 0        | 0        |
| E-mill 5VK w/ Fagor CNC Control          |      |          | 0        | 0        |
| Bed-mill 1454 w/ Fagor CNC Control       | 5    |          | 19       | 10       |
| ATC-1054 w/ ATC                          | 7.5  |          | 29       | 15       |
| ATM-1050/54 w/ Fagor CNC Control         | 5    | 33       | 19       | 10       |
| ATM-1454 w/ Fagor CNC Control            | 5    | 33       | 19       | 10       |
| <b>Surface Grinders</b>                  |      |          |          |          |
| AGS-1020AH/AHD                           | 4    |          | 15       | 8        |
| AGS-1224/30AHD                           | 7    |          | 27       | 14       |
| AGS-1632/40AHD                           | 10.5 |          | 40       | 20       |
| AGS-2040/2060/2448AHD                    | 5    |          | 19       | 10       |
| AGS-2480AHD                              | 7.5  |          | 29       | 15       |
| AGS-2040SD                               |      |          | 0        | 0        |
| AGS-2040/2060/S2460AH/AHD/SD             | 15   |          | 57       | 29       |
| AGS-2448AH/AHD                           | 5    |          | 19       | 10       |
| AGS-2460/80/100AH/AHD                    | 7.5  |          | 29       | 15       |
| AGS-24120/140AH/AHD                      | 10   |          | 38       | 19       |
| AGS-24160/180AH/AHD                      | 15   |          | 57       | 29       |
| AGS-3468/88AHD                           | 25   |          | 94       | 47       |
| AGS-34128AHD                             | 30   |          | 113      | 57       |
| Supra-818AHD                             | 4    |          | 15       | 8        |
| Supra-1020AHD                            | 4    |          | 15       | 8        |
| Supra-1428AHD                            | 7.5  |          | 29       | 15       |
| Supra-1632/40AHD                         | 10   |          | 38       | 19       |
| Supra-1640AHD                            | 12.5 |          | 47       | 24       |
| Supra-818PD                              | 3    |          | 12       | 6        |
| Supra-1020/1224PD                        | 5    |          | 19       | 10       |
| Supra-1224PD                             | 8.25 |          | 31       | 16       |

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|--|-----|----------|----------------|------------|
| Supra-1428/1432/1632/1640/2040PD               | 11  |          | 42             | 21         |
| Supra-618II                                    | 2   |          | 8              | 4          |
| Supra-618AHII                                  | 4.5 |          | 17             | 9          |
| eGrinder                                       | 3   |          | 12             | 6          |
| AGS-4860/80/100AHD                             | 10  |          | 38             | 19         |
| AGS-48120/160/200AHD                           | 15  |          | 57             | 29         |
| AGS-48240AHD                                   | 25  |          | 94             | 47         |
| AGS-1512A/2012/2512AHD/PNC                     | 35  |          | 132            | 66         |
| AGS-3012/4012AHD/PNC                           | 40  |          | 150            | 75         |
| AGS-T20120AHD/PNC                              | 45  |          | 169            | 85         |
| AGS-T30120/T40120AHD/PNC                       | 50  |          | 188            | 94         |
| AGS-T50120AHD/PNC                              | 60  |          | 225            | 113        |
| AGS-T30120/T40120PNCII                         | 50  |          | 188            | 94         |
| AGS-T50120/T60120/T70120PNCII                  | 60  |          | 225            | 113        |
| AGS-T4018/T5018/T6018PNC                       | 70  |          | 263            | 132        |
| AGS-T70180/T8018/T9018/T10018/T11018/T12018    | 90  |          | 338            | 169        |
| AGS-ST6030PNC                                  | 120 |          | 450            | 225        |
| AGS-ST7030/ST8030/ST9030/ST10030/ST11030PNC    | 125 |          | 469            | 235        |
| AGS-ST12030/ST13030/ST14030/ST15030/ST16030PNC | 150 |          | 563            | 282        |
| <b>Engine Lathes</b>                           |     |          |                |            |
| Dynamic- 1340G                                 | 3   |          | 12             | 6          |
| Dynamic- 1440G                                 | 3   |          | 12             | 6          |
| Dynamic-17" SeriesG                            | 7.5 |          | 29             | 15         |
| Dynamic-21" SeriesGH                           | 10  |          | 38             | 19         |
| Dynamic-21" SeriesS                            | 7.5 |          | 29             | 15         |
| Dynamic-22" SeriesL                            | 10  |          | 38             | 19         |
| Dynamic-24" SeriesL                            | 15  |          | 57             | 29         |
| Dynamic-26" SeriesL                            | 10  |          | 38             | 19         |
| Dynamic-29" Series                             | 15  |          | 57             | 29         |
| Dynamic-30" Series L                           | 15  |          | 57             | 29         |
| Dynamic-32" Series L                           | 15  |          | 57             | 29         |
| Dynamic-33" Series L                           | 15  |          | 57             | 29         |
| E-Lathe 1440V                                  | 3   | 20       | 12             | 6          |
| E-Lathe 17" SeriesG                            | 7.5 | 49       | 29             | 15         |
| E-Lathe 21" SeriesV                            | 7.5 | 49       | 29             | 15         |
| E-Lathe 22" SeriesV                            | 10  | 65       | 38             | 19         |
| E-Lathe 26" SeriesV                            | 15  | 98       | 57             | 29         |
| E-Lathe 30" SeriesV                            | 15  | 98       | 57             | 29         |
| E-Lathe 32" SeriesV                            | 10  | 65       | 38             | 19         |
| <b>Teaching Lathes</b>                         |     |          |                |            |
| ATL-18" SeriesE/ 21" Series                    | 10  |          | 38             | 19         |
| ATL-25" Series                                 | 15  |          | 57             | 29         |
| ATL-30"/33" Series                             | 20  |          | 75             | 38         |
| ATL-51" Series                                 |     |          | 0              | 0          |
| <b>CNC Controls</b>                            |     |          | <b>Voltage</b> | <b>Amp</b> |
| Fagor CNC Control                              |     |          | 1PH 110V       | 15         |
| Acu-Rite MillPwr CNC Control                   |     |          | 1PH 110V       |            |
| Acu-Rite MillPwr G2 CNC Control                |     |          | 1PH 110V       | 30         |