

COUPLING SELECTION - SERVICE FACTORS

| 860 RPM MOTORS | | | | | | |
|----------------|--------------------------------------|----------------|-------|-------|-------|-------|
| HP | COMPUTER HP/100RPM FOR 860 RPM MOTOR | SERVICE FACTOR | | | | |
| | | 1.0 | 1.5 | 2.0 | 2.5 | 3.0 |
| 1/2 | .058 | *50JA | *50JA | *50JA | *50JA | *50JA |
| 3/4 | .087 | *50JA | *50JA | *50JA | *50JA | *50JA |
| 1 | .116 | *50JA | *50JA | *50JA | *50JA | *50JA |
| 1 1/2 | .174 | *50JA | *50JA | *50JA | *50JA | *50JA |
| 2 | .232 | *50JA | *50JA | *50JA | *50JA | *50JA |
| 3 | .349 | *50JA | *50JA | *50JA | *50JA | *50JA |
| 5 | .581 | *50JA | *50JA | *50JA | 60SH | 60SH |
| 7 1/2 | .872 | *50JA | *50JA | 60SH | 60SH | 60SH |
| 10 | 1.16 | *50JA | 60SH | 60SH | 70SDS | 70SDS |
| 15 | 1.74 | 60SH | 60SH | 70SDS | 80SK | 80SK |
| 20 | 2.33 | 60SH | 70SDS | 80SK | 90SK | 100SF |
| 25 | 2.91 | 70SDS | 80SK | 90SK | 100SF | 110SF |
| 30 | 3.49 | 70SDS | 80SK | 100SF | 110SF | 110SF |
| 40 | 4.65 | 80SK | 100SF | 110SF | 110SF | 120E |
| 50 | 5.81 | 90SK | 110SF | 110SF | 120E | 120E |
| 60 | 6.98 | 100SF | 110SF | 120E | 120E | 140F |
| 75 | 8.72 | 110SF | 120E | 120E | 140F | 140F |
| 100 | 11.63 | 110SF | 120E | 140F | 140F | 140F |

| 1160 RPM MOTORS | | | | | | |
|-----------------|---------------------------------------|----------------|-------|-------|-------|-------|
| HP | COMPUTER HP/100RPM FOR 1160 RPM MOTOR | SERVICE FACTOR | | | | |
| | | 1.0 | 1.5 | 2.0 | 2.5 | 3.0 |
| 3/4 | .065 | *50JA | *50JA | *50JA | *50JA | *50JA |
| 1 | .086 | *50JA | *50JA | *50JA | *50JA | *50JA |
| 1 1/2 | .129 | *50JA | *50JA | *50JA | *50JA | *50JA |
| 2 | .172 | *50JA | *50JA | *50JA | *50JA | *50JA |
| 3 | .259 | *50JA | *50JA | *50JA | *50JA | *50JA |
| 5 | .431 | *50JA | *50JA | *60JA | *50JA | *50JA |
| 7 1/2 | .647 | *50JA | *50JA | *50JA | 60SH | 60SH |
| 10 | .862 | *50JA | *50JA | 60SH | 60SH | 60SH |
| 15 | 1.29 | *50JA | 60SH | 60SH | 70SDS | 80SK |
| 20 | 1.72 | 60SH | 60SH | 70SDS | 80SK | 80SK |
| 25 | 2.16 | 60SH | 70SDS | 80SK | 80SK | 90SK |
| 30 | 2.59 | 60SH | 80SK | 80SK | 90SK | 100SF |
| 40 | 3.45 | 70SDS | 80SK | 90SK | 110SF | 110SF |
| 50 | 4.31 | 80SK | 90SK | 110SF | 110SF | 120E |
| 60 | 5.17 | 80SK | 100SF | 110SF | 120E | 120E |
| 75 | 6.47 | 90SK | 110SF | 120E | 120E | 120E |
| 100 | 8.62 | 110SF | 120E | 120E | 140F | 140F |
| 125 | 10.78 | 110SF | 120E | 140F | 140F | 140F |

Bushing sizes shown above may not always have shaft size capacity capabilities.
*50JA MASKAFLEX couplings are outside-outside mount only.

| 1750 RPM MOTORS | | | | | | |
|-----------------|---------------------------------------|----------------|-------|-------|-------|-------|
| HP | COMPUTER HP/100RPM FOR 1750 RPM MOTOR | SERVICE FACTOR | | | | |
| | | 1.0 | 1.5 | 2.0 | 2.5 | 3.0 |
| 1 | .057 | *50JA | *50JA | *50JA | *50JA | *50JA |
| 1 1/2 | .086 | *50JA | *50JA | *50JA | *50JA | *50JA |
| 2 | .114 | *50JA | *50JA | *50JA | *50JA | *50JA |
| 3 | .171 | *50JA | *50JA | *50JA | *50JA | *50JA |
| 5 | .286 | *50JA | *50JA | *50JA | *50JA | *50JA |
| 7 1/2 | .429 | *50JA | *50JA | *50JA | *50JA | *50JA |
| 10 | .571 | *50JA | *50JA | *50JA | *50JA | *50JA |
| 15 | .857 | *50JA | *50JA | 60SH | 60SH | 60SH |
| 20 | 1.14 | *50JA | 60SH | 60SH | 60SH | 70SDS |
| 25 | 1.43 | *50JA | 60SH | 60SH | 80SK | 80SK |
| 30 | 1.71 | 60SH | 60SH | 70SDS | 80SK | 80SK |
| 40 | 2.28 | 60SH | 70SDS | 80SK | 80SK | 90SK |
| 50 | 2.86 | 60SH | 80SK | 80SK | 100SF | 110SF |
| 60 | 3.43 | 70SDS | 80SK | 90SK | 110SF | 110SF |
| 75 | 4.28 | 80SK | 90SK | 110SF | 110SF | 120E |
| 100 | 5.71 | 80SK | 110SF | 110SF | 120E | 120E |
| 125 | 7.14 | 100SF | 110SF | 120E | 120E | 140F |
| 150 | 8.57 | 110SF | 120E | 120E | 140F | 140F |
| 200 | 11.43 | 110SF | 120E | 140F | 140F | 140F |

| 3500 RPM MOTORS | | | | | | |
|-----------------|---------------------------------------|----------------|-------|-------|-------|-------|
| HP | COMPUTER HP/100RPM FOR 3500 RPM MOTOR | SERVICE FACTOR | | | | |
| | | 1.0 | 1.5 | 2.0 | 2.5 | 3.0 |
| 1 1/2 | .044 | *50JA | *50JA | *50JA | *50JA | *50JA |
| 2 | .057 | *50JA | *50JA | *50JA | *50JA | *50JA |
| 3 | .086 | *50JA | *50JA | *50JA | *50JA | *50JA |
| 5 | .143 | *50JA | *50JA | *50JA | *50JA | *50JA |
| 7 1/2 | .214 | *50JA | *50JA | *50JA | *50JA | *50JA |
| 10 | .286 | *50JA | *50JA | *50JA | *50JA | *50JA |
| 15 | .429 | *50JA | *50JA | *50JA | *50JA | *50JA |
| 20 | .571 | *50JA | *50JA | *50JA | *50JA | 60SH |
| 25 | .714 | *50JA | *50JA | *50JA | 60SH | 60SH |
| 30 | .857 | *50JA | *50JA | 60SH | 60SH | 60SH |
| 40 | 1.14 | *50JA | 60SH | 60SH | 70SDS | 70SDS |
| 50 | 1.428 | *50JA | 60SH | 60SH | -- | -- |
| 60 | 1.71 | 60SH | 60SH | 70SDS | -- | -- |
| 75 | 2.14 | 60SH | 70SDS | -- | -- | -- |
| 100 | 2.86 | 60SH | -- | -- | -- | -- |
| 125 | | -- | -- | -- | -- | -- |
| 150 | | -- | -- | -- | -- | -- |
| 200 | | -- | -- | -- | -- | -- |
| 250 | | -- | -- | -- | -- | -- |

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