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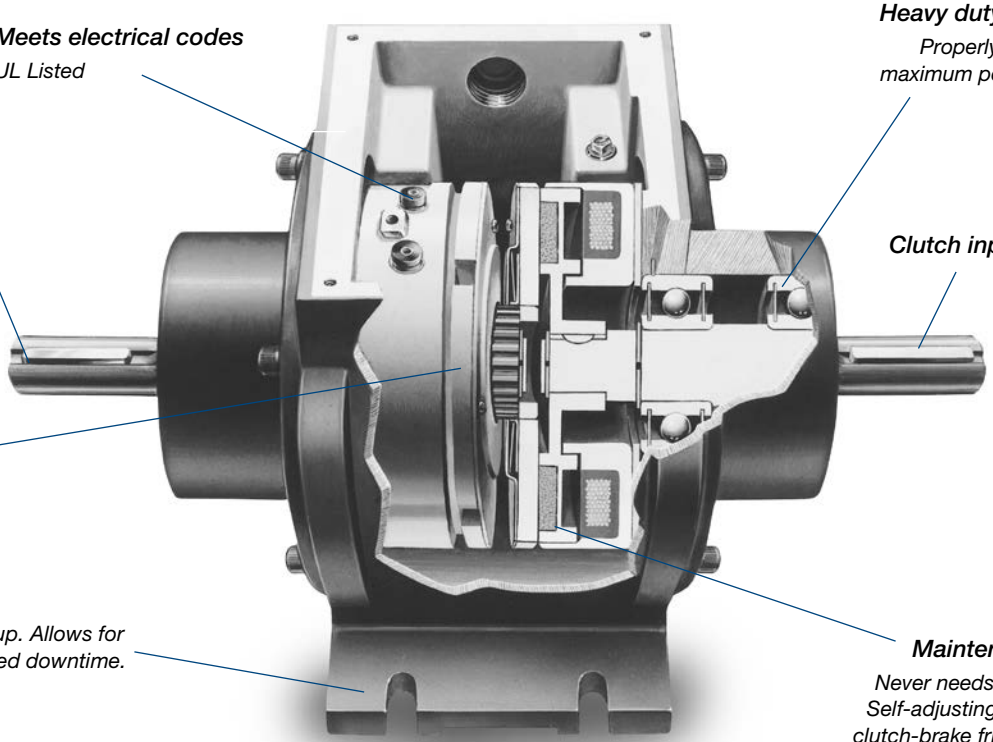
# EP Series Electro Pack

## Base Mounted Clutch/Brake Combinations in a Rugged Housing



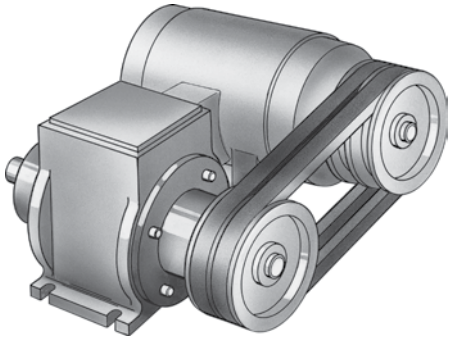

Electro Packs are rugged, pre-assembled clutch and brake combinations in an enclosed, foot mounted housing.

They are factory aligned and pre-assembled and have been designed to mate easily with industry standard motors and reducers with v-belts, pulleys, chain and sprockets, in line couplings and timing belt drives.

## Features

- Bolt-it-down and wire-it-up . . . it's ready to go!
- Maintenance free
- A wide torque range from 15 lb. in. to 1350 lb. ft.

## Typical Application



A foot mounted Electro Pack combines with a motor in a parallel shaft drive application.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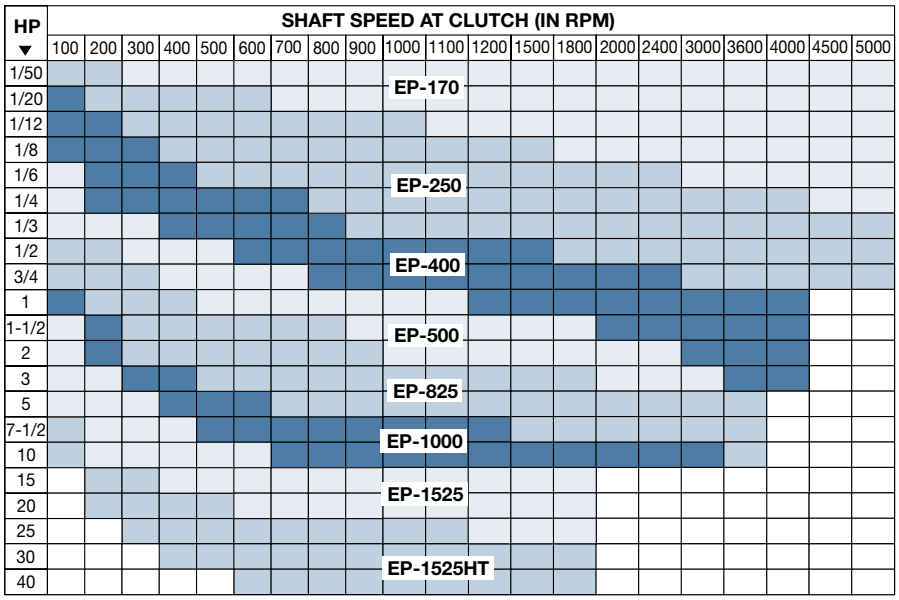
# Selection/Ordering Information

## Horsepower vs. Shaft Speed




*For applications with speeds below 100RPM, please contact Warner Electric Application Support.

## Selection Procedure

Determine the shaft speed at the Electro Pack location. The number listed at the intersection of horsepower and speed is the size Electro Pack you require.

## Part Numbers

| Model No. | Voltage DC | Part No. |
|---|---|---|
| EP-170 | 6 | 5633-273-002 |
| | 24 | 5633-273-003 |
| | 90 | 5633-273-005 |
| EP-250 | 6 | 5130-273-031 |
| | 24 | 5130-273-032 |
| | 90 | 5130-273-034 |
| EP-400 | 6 | 5131-273-009 |
| | 24 | 5131-273-010 |
| | 90 | 5131-273-011 |
| EP-500 | 6 | 5230-273-003 |
| | 24 | 5230-273-011 |
| | 90 | 5230-273-002 |
| EP-825 | 6 | 5231-273-003 |
| | 24 | 5231-273-004 |
| | 90 | 5231-273-002 |
| EP-1000 | 6 | 5232-273-003 |
| | 24 | 5232-273-005 |
| | 90 | 5232-273-002 |
| EP-1525 | 6 | 5234-273-003 |
| | 90 | 5234-273-002 |
| EP-1525HT | 24 | 5234-273-017 |
| | 90 | 5234-273-012 |

When ordering, specify size, voltage, and part numbers.

## Specifications

| Electro-Pack Size | Horsepower @ 1800 RPM | Static Torque | Max. RPM | Voltage DC |
|---|---|---|---|---|
| EP-170 | 1/8 | 15 lb. in. | 10,000 | 6, 24 or 90 |
| EP-250 | 1/2 | 70 lb. in. | 7,500 | 6, 24 or 90 |
| EP-400 | 1 | 270 lb. in. | 4.500 | 6, 24 or 90 |
| EP-500 | 2 | 50/40 lb. ft. | 4,000 | 6, 24 or 90 |
| EP-825 | 7-1/2 | 125 lb. ft. | 3,600 | 6, 24 or 90 |
| EP-1000 | 10 | 240 lb. ft. | 3,000 | 6, 24 or 90 |
| EP-1525 | 25 | 700 lb. ft. | 1,800 | 6 or 90 |
| EP-1525HT | 40 | 1350 lb. ft. clutch<br>700 lb. ft. brake | 1,800 | 24, 90 |



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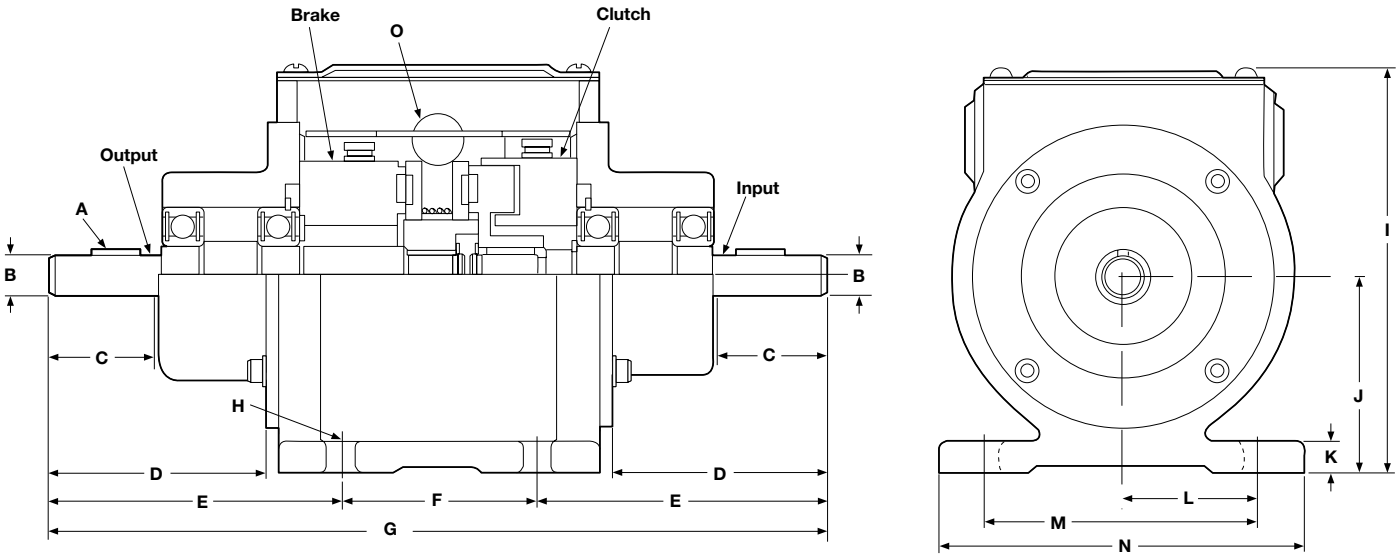
# EP Series Electro Pack

## EP-170, EP-250, EP-400




### Dimensions

All dimensions are nominal, unless otherwise noted.

| Size | A | B | C Min. | D | E | F | G Max. | H | I | J | K | L | M | N | O |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 170 | 3/32 x 3/64 | .3745 / .3735 Dia. | .750 | 1.406 | 2.203 | 1.500 | 6.000 | .250 Wide (4 slots) | 3.437 | 1.662 / 1.652 | .312 | 1.110 | 2.220 | 3.250 | 1/2 14 NPT Conduit x 2 |
| 250 | 1/8 x 1/16 | .4995 / .4985 Dia. | 1.250 | 2.468 | 3.312 | 2.250 | 8.968 | .312 Wide (4 slots) | 5.281 | 2.318 / 2.308 | .375 | 1.625 | 3.250 | 4.250 | 1/2 14 NPT Conduit x 2 |
| 400 | 3/16 x 3/16 x 1-1/2 | .7495 / .7485 Dia. | 1.875 | 3.515 | 4.593 | 2.500 | 11.781 | .312 Wide (4 slots) | 6.937 | 3.474 / 3.464 | .500 | 2.578 | 5.156 | 6.000 | 1/2 14 NPT Conduit x 2 |

### Specifications

| Model Size | Voltage DC | Static Torque lb. in. | Inertia*–WR² (lb-in²) Output | Inertia*–WR² (lb-in²) Input | Max. RPM | Weight lbs. |
|---|---|---|---|---|---|---|
| EP-170 | 6 | 15 | .031 | .036 | 10,000 | 2.5 |
| | 24 | 15 | .031 | .036 | 10,000 | 2.5 |
| | 90 | 15 | .031 | .036 | 10,000 | 2.5 |
| EP-250 | 6 | 70 | .331 | .293 | 7,500 | 7.1 |
| | 24 | 70 | .331 | .293 | 7,500 | 7.1 |
| | 90 | 70 | .331 | .293 | 7,500 | 7.1 |
| EP-400 | 6 | 270 | 2.566 | 2.222 | 4,500 | 19.7 |
| | 24 | 270 | 2.566 | 2.222 | 4,500 | 19.7 |
| | 90 | 270 | 2.566 | 2.222 | 4,500 | 19.7 |

For Information on Coil Data see page G-10, SF/PB units of the appropriate size.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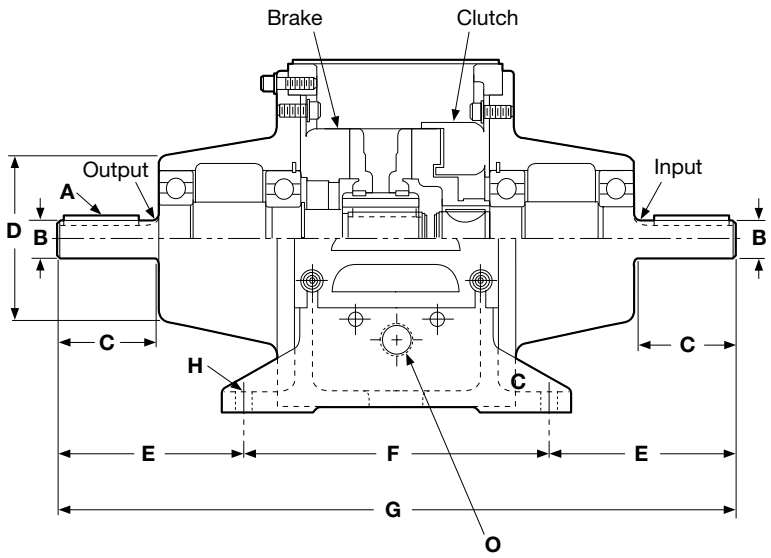
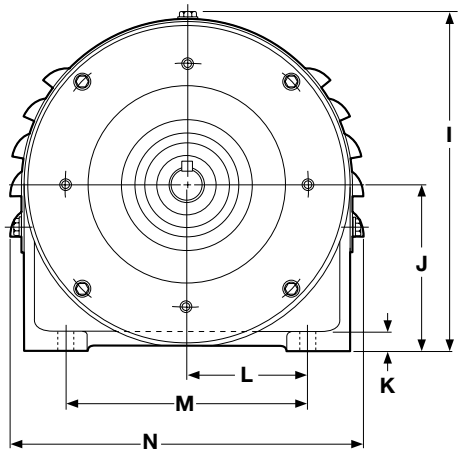
# EP-500




## Dimensions

All dimensions are nominal, unless otherwise noted.

| Size | A | B Dia. | C Min. | D Max. Dia. | E | F | G Max. | H Dia. | I | J | K | L | M | N Max. | O |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 500 | 3/16 x 3/16 x 1-3/4 | .8750 / .8745 | 2.218 | 3.796 | 4.234 | 7.000 | 15.515 | .406 (4 holes) | 8.218 | 4.004 / 3.992 | .500 | 2.937 | 5.875 | 8.734 | 1/2 NPT Conduit x 2 |

## Specifications

| Model Size | Voltage DC | Unit | Static Torque | Inertia*–WR² lb.ft.² | Max. RPM | Weight lbs. |
|---|---|---|---|---|---|---|
| EP-500 | 6, 24 and 90 | Clutch | 50 | .039 | 4000 | 56 |
| | | Brake | 40 | .063 | | |

For Information on Coil Data see page G-10, SF/PB units of the appropriate size.



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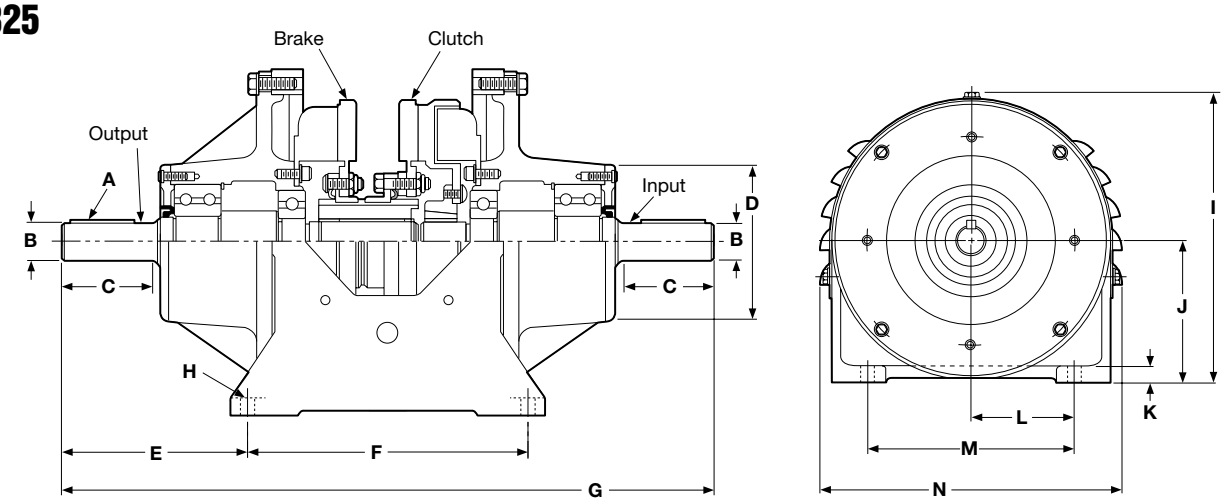
# EP Series Electro Pack

## EP-825




### Dimensions

All dimensions are nominal, unless otherwise noted.

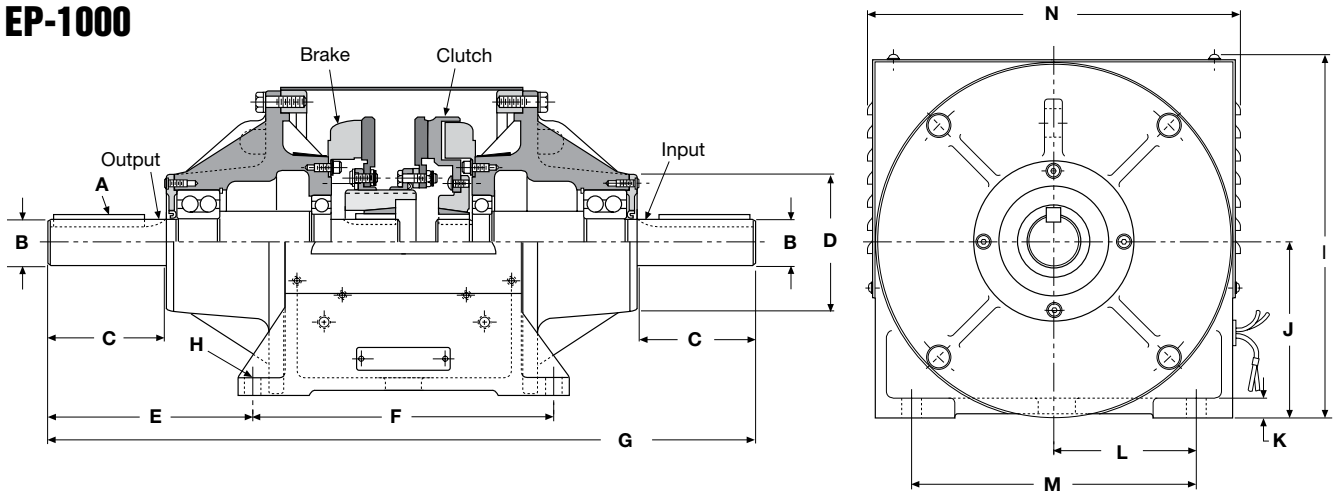
| Size | A | B Dia. | C Min. | D Max. Dia. | E | F | G Max. | H | I | J | K | L | M | N Max. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 825 | 1/4 x<br>1/4 x 2 | 1.1250<br>1.1245 | 2.875 | 5.000 | 5.734 | 8.500 | 20.031 | .406 Dia.<br>(4 holes) | 10.812 | 5.254<br>5.252 | .562 | 4.250 | 8.500 | 11.609 |

### Specifications EP-825

| Model Size | Voltage DC | Unit | Static Torque | Inertia*–WR² (lb.ft.²) | Max. RPM | Weight lbs. |
|---|---|---|---|---|---|---|
| EP-825 | 6, 24 & 90 | Clutch<br>Brake | 125<br>125 | .651<br>.242 | 3600 | 123 |

For Information on Coil Data see page G-10, SF/PB units of the appropriate size.

## EP-1000




### Dimensions

All dimensions are nominal, unless otherwise noted.

| Size | A | B Dia. | C Min. | D Dia. | E | F | G Max. | H | I | J | K | L | M | N Max. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1000 | 1/2 x<br>1/2 x<br>3-3/4 | 1.875<br>1.874 | 4.750 | 5.687 | 8.250 | 12.250 | 28.750 | .656 Dia.<br>(4 holes) | 12.500 | 6.255<br>6.241 | .718 | 5.000 | 10.000 | 12.875 |

### Specifications EP-1000

| Model Size | Voltage DC | Static Torque | Inertia*–WR² (lb.ft.²) | | Max. RPM | Weight lbs. |
|---|---|---|---|---|---|---|
| | | | Output Side | Input Side | | |
| EP-1000 | 6 | 240 lb.ft. | 1.45 | 1.01 | 3000 | 288 |
| | 24 | 240 lb.ft. | 1.45 | 1.01 | 3000 | 288 |
| | 90 | 240 lb.ft. | 1.45 | 1.01 | 3000 | 288 |

For Information on Coil Data see page G-10, SF/PB units of the appropriate size.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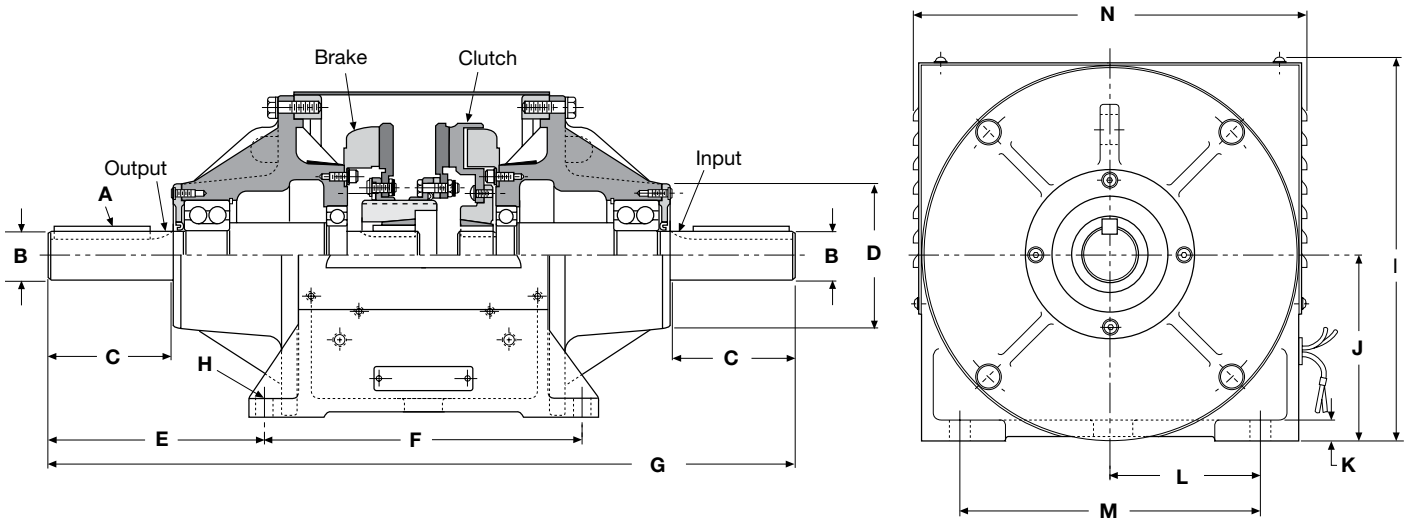
# EP-1525, EP-1525HT




## Dimensions

All dimensions are nominal, unless otherwise noted.

| Size | A | B Dia. | C Min. | D Max. Dia. | E | F | G Max. | H | I | J | K | L | M | N Max. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1525 | 5/8 x 5/8 x 4-1/4 | 2.375 / 2.374 | 5.750 | 7.500 | 8.468 | 16.500 | 33.500 | .796 Dia. (4 holes) | 18.250 | 9.005 / 8.991 | 1.000 | 7.000 | 14.000 | 18.875 |
| 1525HT | 5/8 x 5/8 x 4-1/4 | 2.375 / 2.374 | 5.750 | 7.500 | 8.468 | 16.500 | 33.500 | .796 Dia. (4 holes) | 18.250 | 9.005 / 8.991 | 1.000 | 7.000 | 14.000 | 18.875 |

## Specifications

| Model Size | Voltage DC | Unit | Static Torque lb.ft. | Inertia*–WR² (lb.ft.²) Output Side | Inertia*–WR² (lb.ft.²) Input Side | Max. RPM | Weight lbs. |
|---|---|---|---|---|---|---|---|
| EP-1525 | 6, 90 | Clutch<br>Brake | 700<br>700 | 7.89 | 5.68 | 1800 | 655 |
| EP-1525HT | 24, 90 | Clutch<br>Brake | 1350<br>700 | 7.89 | 6.41 | 1800 | 656 |

For Information on Coil Data see page G-10, SF/PB units of the appropriate size.



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