

RPM III DC shunt wound SCR drive motors, 180V armature, power code K 1.5 thru 5 Hp



Features:

- Unique laminated square frame for improved commutation
- Square configuration allows for increased rating per frame size
- Class F insulation system
- Service line brushes with convenient wear indicating reference lines
- PLS™ for longer bearing and motor life
- F3 mounting
- Tachometer adaptable with thermostat

Applications:

- Metals
- Paper
- Web processes
- Extruders and packaging
- Machine tools

| Hp | Base Speed | NEMA Frame | Voltage D.C. | | Full Load Amperage | | Enclosure | Catalog Number | List Price | Disc. Sym. | Ap'x. Shpg. Wgt. | Reliance M/N | Field Type | XPY Tach MTG Kit |
|-------|------------|-------------------|--------------|---------|--------------------|--------------|-----------|-----------------|------------|------------|------------------|--------------|------------|------------------|
| | | | Arm. | Field | Arm. | Field (a)(b) | | | | | | | | |
| 1 1/2 | 1750 | DC189ATY (c) | 180 | 100/200 | 7.2 | 0.72 | TENV | D1815R | 14,061 | R3B | 169 | T18R1119 | STR | 413336-1R |
| 2 | 1750 | DC189ATY (c) | 180 | 100/200 | 9.5 | 0.72 | TENV | D1802R | 14,534 | R3B | 86 | T18R1117 | STR | 413336-1R |
| | | DC1811ATCZ (d) | 180 | 100/200 | 14.1 | 1.17 | TENV | CD1803R | 15,665 | R3B | 212 | T18R1102 | STR | 413336-1R |
| 3 | 1750 | DC189ATY (c)(e) | 180 | 100/200 | 14.8 | 0.95 | DPG | D1803R | 15,837 | R3B | 165 | T18R1118 | STR | 413336-1R |
| | | DC189ATCZ (d)(e) | 180 | 100/200 | 14.8 | 0.95 | DPG | CDD1803R | 16,117 | R3B | 160 | T18R1120 | STR | 413336-1R |
| 5 | 1750 | DC1810ATCZ (d)(e) | 180 | 100/200 | 24 | 1.68 | DPG | CD1805R | 17,536 | R3B | 175 | T18R1105 | STR | 413336-1R |
| | | DC2112ATCZ (d) | 180 | 100/200 | 23 | 1.34 | TENV | CD2105R | 22,253 | R3B | 355 | T21S1101 | STR | 413336-1R |

Notes: Encoder and tachometer kits available

(a) Field amps at 25°C

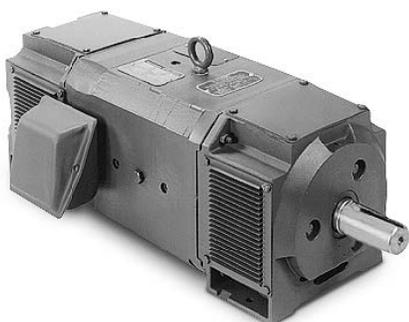
(b) Field amps for high voltage connection

(c) 140TC C-Face

(d) 180TC C-Face

(e) Top mounted conduit box, if blower added, blower must be mounted F-1 or F-2.

RPM III DC shunt wound SCR drive motors, 240V armature, 240V field, power code C 3 thru 10 Hp



Features:

- Superior speed regulation
- Operation down to 25% of base speed at 67% load current
- Excellent load sharing characteristics on common drive
- Tachometer adaptable

Applications:

- Textile equipment
- Metals
- Paper
- Web Processes
- Extruders and packaging
- Machine tools

| Hp | Base Speed | NEMA Frame | Voltage D.C. | | Full Load Amperage | | Enclosure * | Catalog Number | List Price | Disc. Sym. | Ap'x. Shpg. Wgt. | Reliance M/N | Field Type | XPY Tach MTG Kit |
|-------|------------|----------------|--------------|-------|--------------------|-----------|-------------|------------------|------------|------------|------------------|--------------|------------|------------------|
| | | | Arm. | Field | Arm. | Field (a) | | | | | | | | |
| 3 | 1750/2300 | C1811ATCZ (b) | 240 | 240 | 11 | 0.99 | SPG | CD2003R-2 | 18,561 | R3B | 198 | T18R1009 | STAB | 413336-1R |
| 5 | 1750/2300 | C1811ATCZ (b) | 240 | 240 | 18.1 | 1.11 | SPG | CD2005R-2 | 18,759 | R3B | 209 | T18R1010 | STAB | 413336-1R |
| 7 1/2 | 1750/2300 | C1812ATCZ (b) | 240 | 240 | 27 | 1.4 | SPG | CD2007R-2 | 18,947 | R3B | 235 | T18R1011 | STAB | 413336-1R |
| 10 | 1750/2300 | SC2113ATCZ (c) | 240 | 240 | 37 | 2.20 | SPG | D2010R-2 | 23,383 | R3B | 346 | T21S1001 | STAB | 417708-21 |

Notes: Encoder and tachometer kits available.

(a) Field amps at 25°C

(b) 180TC C-Face

(c) 210TC C-Face

* Splash-proof Guarded (SPG) is an open machine in which the ventilating openings are so constructed that successful operation is not interfered with when drops of liquid or solid particles strike or enter the enclosure at any angle not greater than 60 degrees downward from vertical