

SCR Drive Motors Shunt 5 thru 250 Hp and Stabilized Shunt Wound - DPF, Self Ventilated, Rigid Base

NEMA L186AT thru 506AT

Applications: Conveyors, plastic extruders, packaging machinery and other constant torque applications for DC SCR motors.

Features: Includes thermostat on interpole. Class F insulation system resistant to dirt, carbon, dust and moisture. High dielectric stability. Low moment of inertia armature for fast response. Constant pressure brush springs and longer brushes for reduced maintenance. Includes grease fittings and reliefs for bearing maintenance. Power code C and D or M-G sets. Maximum RPM by field weakening. Provisions for tach mounting. (See tach mounting kits on page 300). May be converted to blower ventilated (DPBV) for extended constant torque speed range.



| Hp | Base/Max Speed (a) | NEMA Frame | Voltage D.C. | | Full Load Amperage | | Catalog Number | List Price Motors Only (c) | Mult. Sym. | Ap'x. Shpg. Wgt. (d) | XPY Tach Kit | Blower Catalog Number | Notes (e) |
|-------|--------------------|------------|--------------|---------|--------------------|-----------|----------------|----------------------------|------------|----------------------|--------------|-----------------------|-----------|
| | | | Arm. | Field | Arm. | Field (b) | | | | | | | |
| 5 | 1750/2300 | L186AT | 240 | 150/300 | 17.7 | .68 | D2005P | 4330 | N2 | 178 | TKP1836XP | FVB3180 | 2,20 |
| | | | 500 | 150/300 | 8.5 | .6 | D5005P | 4330 | N2 | 179 | TKP1836XP | FVB3180 | 2,20 |
| 7 1/2 | 1750/2300 | 1810AT | 240 | 150/300 | 28.1 | .8 | D2007P | 5223 | N2 | 239 | TKP1836XP | FVB3180 | 2,20 |
| | | 218AT | 500 | 150/300 | 13.2 | .69 | D5007P | 5223 | N2 | 239 | TKP1836XP | FVB3210 | 2,20 |
| 10 | 1750/2300 | 219AT | 240 | 150/300 | 36.6 | 2.16 | D2010P | 5952 | N2 | 259 | TKP1836XP | FVB3210 | 2,20 |
| | | | 500 | 150/300 | 17.2 | 1.17 | D5010P | 5952 | N2 | 269 | TKP1836XP | FVB3210 | 2,20 |
| 15 | 1750/2300 | 258AT | 240 | 150/300 | 55 | 2.58 | D2015P | 7161 | N2 | 379 | TKP1836XP | FVB3250 | 2,20 |
| | | | 500 | 150/300 | 25.2 | 1.4 | D5015P | 7161 | N2 | 379 | TKP1836XP | FVB3250 | 2,20 |
| 20 | 1750/2300 | 259AT | 240 | 150/300 | 70.5 | 2.48 | D2020P | 8210 | N2 | 429 | TKP1836XP | FVB3250 | 2,20 |
| | | | 500 | 150/300 | 35.1 | 1.24 | D5020P | 8210 | N2 | 429 | TKP1836XP | FVB3250 | 2,20 |
| 25 | 1750/2300 | 288AT | 240 | 150/300 | 89.2 | 2.99 | D2025P | 9690 | N2 | 589 | TKP1836XP | FVB4280 | 2,20 |
| | | 287-8AT | 500 | 150/300 | 43.4 | 1.64 | D5025P | 9690 | N2 | 529 | TKP1836XP | FVB4280 | 2,20 |
| 30 | 1750/2300 | 288AT | 240 | 150/300 | 106 | 4.52 | D2030P | 10662 | N2 | 589 | TKP1836XP | FVB4280 | 2,20 |
| | | | 500 | 150/300 | 50 | 2 | D5030P | 10662 | N2 | 579 | TKP1836XP | FVB4280 | 2,20 |
| 40 | 1750/2100 | 328AT | 500 | 150/300 | 67.9 | 2.17 | D5040P | 13156 | N2 | 819 | TKP1836XP | FVB6320 | 2,20 |
| 50 | 1750/2100 | 328AT | 500 | 150/300 | 83.7 | 2 | D5050P | 14992 | N2 | 822 | TKP1836XP | FVB6320 | 2,20 |
| 60 | 1750/2100 | 365-6AT | 500 | 150/300 | 98.6 | 1.75 | D5060P | 17161 | N2 | 815 | TKP1836XP | FVB6400 | 2,20 |
| 75 | 1750/2100 | 366AT | 500 | 150/300 | 123 | 1.48 | D5075P | 20160 | N2 | 959 | TKP1836XP | FVB6400 | 2,20 |
| 100 | 1750/2000 | 368AT | 500 | 150/300 | 158 | 3 | D50100P | 25291 | N2 | 1118 | TKP1836XP | FVB6400 | 2,20 |
| 125 | 1750/2000 | 407AT | 500 | 150/300 | 200 | 3 | D50125P | 29950 | N2 | 1459 | TKP400XP | FVB6400 | 2,20 |
| 150 | 1750/2000 | 409AT | 500 | 150/300 | 237 | 3.7 | D50150P | 36034 | N2 | 1139 | TKP400XP | FVB6400 | 2,20 |
| 200 | 1750/1900 | 504AT | 500 | 150/300 | 320 | 3.9 | D50200P | 45701 | N2 | 2149 | TKP500XP | FVB8500 | 2,20 |
| 250 | 1750/1900 | 506AT | 500 | 150/300 | 392 | 5 | D50250P | 56195 | N2 | 2569 | TKP500XP | FVB8500 | 2,20 |

NOTES:

- (a) DPF enclosure is self-ventilated. Speed can be reduced to approximately 60% of base speed with constant torque. See performance data in CA608 catalog for specific speed-torque curves. Separate blower can be used to increase operating range below 60% of base speed.
- (b) Field amps are for 150V connection on 240VDC motors; 300V connection on 500VDC motors. 360, 400 & 500 frames are 4 pole stabilized shunt until 3rd quarter 2006 when they became shunt. Others are 2 pole shunt.
- (c) Does not include price of blower. See page 300 for pricing.
- (d) Does not include weight of blower. See page 300 for weights.
- (e) See notes on inside back flap and pages 5-6.

180 frame motors are supplied without external conduit box, see online layout drawing for details.

HVAC Motors

Farm Duty Motors

Definite Purpose Motors

Brake Motors

200 & 575 Volt Motors

IEC Frame Motors

50 Hertz Motors

Inverter/Vector Motors & Controls

DC Motors and Controls

Soft Start & Dynamic Brakes