

BD ELECTRICAL SPECIFICATION 35WGT345 001
 DATE: 01/03/2005 BALDOR ELECTRIC CO., FORT SMITH, AR TIME: 08:12:19
 ELEC SPEC # REV PS STAT EFF DATE ENGR REL DATE TDR # P/R HOLD
 35WGT345 G P PRD/L 05/24/2004 04/29/2004 0331359 N N
 RATING # 001 D P PRD/L 06/21/2001 06/18/2001 0242534 N N
 APPLICATION REF: 35WGT206 ENCL: TENV
 AC STATOR MANUFACTURED IN FT. SMITH WITH
 PERMANENT MAGNET ROTOR FROM ST. LOUIS INDUSTRIAL NAMEPLATE

MODEL STK LEN LTR TYPE POLES HP : 3 HP
 35 6.000 B 3548B 08 VOLTS : 320 VDC
 AMPS : 21.2
 RPM : 4000
 STATOR LAM : 35SL4360 CLASS : F
 MAGNETS : 35PM0001A02 QTY: 16 SER.F. : 1
 : QTY: AMB, C: 40
 OTHER PARTS: MW1007A17 QTY: 3.36 DUTY : CONT
 : QTY:
 CD DIAG : CD0006

LEADS CT AWG ID DESC SERVOMOTOR NAMEPLATE
 3 12

----- PROD TESTS----- TORQUE CONT. STALL :8.8 NM
 KE: 40.63 - 44.82 VAC RMS/KRPM CURRENT CONT. STALL:15 A RMS
 KE: 53.68 - 59.33 VDC/KRPM RATED SPEED :4000 RPM
 RATED BUS VOLTAGE :320 VOLTS
 MAXIMUM SPEED :5000 RPM
 PEAK CURRENT :40 A RMS
 MAXIMUM POWER :2.24 KW
 TORQUE PEAK STALL :30.8 NM
 TORQUE CONSTANT :.77 NM/A
 CLASS F INSULATION 40C AMB

WINDING TYPE: DIAMOND
 CS DIAGRAM | CS0002A | 1 | | | | | | | |
 COIL SET | 8P 1Y ADJ | | | | | | | | | |
 GRPS/INDU | 12 | | | | | | | | | |
 WIRE | 2 # 17.0 3.36 | # | LB | # | LB | # | LB |
 | # | # | # |
 RES @25C | .5339-.5901OHM | | | | | | | | | |
 1ST TURN | IN LONG | IN LONG | IN LONG | IN LONG |
 | SPAN | TURNS | SPAN | TURNS | SPAN | TURNS | SPAN | TURNS |
 (SPAN | 4 | 6 | | | | | | | |
 IS
 TEETH
 ENCLOSED)
 SLOTT LOC
 COIL GRPNG | 3,3,3,ETC |

TYPE ** REVISION DESCRIPTION **
 REV INITIALS: JLP REV DESC: CHANGE FROM CS0002 TO CS0002A
 ER REV INITIALS: TF REV DESC: ADD WS FOR 35B, 37B, 36P MOVE TO WESTVILLE
 *** END OF REPORT ***