

| | | | | | | | | | |
|-------------|--------|--------------|------|---------------------------------------|-----------|--------------------------------|-------|----|------|
| REL S.O. | - | VOLTS | 460 | ENCLOSURE | TEBC | WYE CONN EQ CKT OHMS PER PHASE | | | |
| FRAME | FL2890 | AMPS | 124 | MAX SAFE RPM | 4800 | (AT BASE RATING, 25 °C) | | | |
| HP | 100 | DUTY | CONT | IM (AMPS) | 59 | R1 | .0288 | X1 | .200 |
| BASE SPEED | 1780 | S.F. | 1.0 | P.F. @NL/FL | .035/.805 | R2 | .0185 | X2 | .254 |
| PHASE/HERTZ | 3/60 | AMB °C/INSUL | 45/H | WK ² (Lb-Ft ²) | 9.7 | | | XM | 4.49 |

RATED FULL LOAD DATA

| | RPM | HP | TORQUE LB-FT | FUND VOLTS | FREQ-HZ | AMPS |
|------------|------|-----|-----------------|---------------|---------|------|
| BASE SPEED | 1781 | 100 | 295 | 460 | 60 | 125 |
| MAX SPEED | 3556 | 100 | 148 | 460 | 120 | 120 |
| MIN SPEED | 0 | 0 | 295 | 10.5 | .648 | 125 |

LOAD PERFORMANCE AT BASE SPEED

| | RPM | HP | TORQUE LB-FT | FUND VOLTS | FREQ-HZ | AMPS |
|-----------|------|------|-----------------|---------------|---------|------|
| NO LOAD | 1800 | 0 | 0 | 460 | 60 | 58.3 |
| 1/4 | 1795 | 25.0 | 73 | 460 | 60 | 65.8 |
| 1/2 | 1791 | 50.1 | 147 | 460 | 60 | 81.0 |
| 3/4 | 1786 | 74.9 | 220 | 460 | 60 | 101 |
| FULL LOAD | 1781 | 100 | 295 | 460 | 60 | 125 |
| O/L | 1756 | 197 | 590 | 460 | 60 | 237 |

REMARKS: TYPICAL DATA

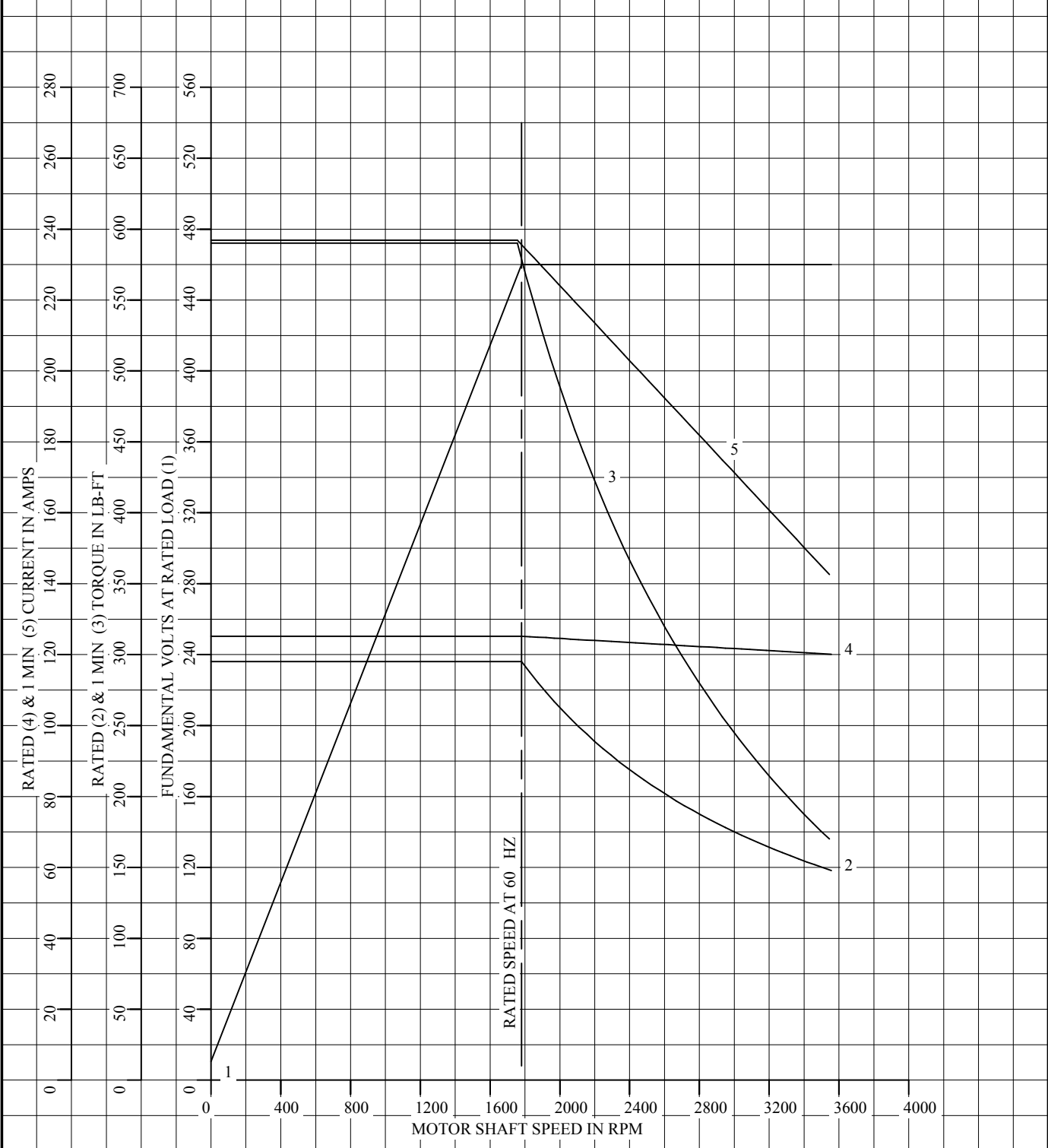


DR. BY R. SMITH
 CK. BY R. SMITH
 APP. BY S. EVON
 DATE 6-27-08

**A-C MOTOR
 PERFORMANCE DATA** L4052A
 ISSUE DATE 6-27-08

| | | | | | | | |
|-------------|--------|--------------|------|---------------------------------------|-----------|--------------------------------|---------------|
| REL S.O. | - | VOLTS | 460 | ENCLOSURE | TEBC | WYE CONN EQ CKT OHMS PER PHASE | |
| FRAME | FL2890 | AMPS | 124 | MAX SAFE RPM | 4800 | (AT BASE RATING, 25 °C) | |
| HP | 100 | DUTY | CONT | IM (AMPS) | 59 | R1 | .0288 X1 .200 |
| BASE SPEED | 1780 | S.F. | 1.0 | P.F. @NL/FL | .035/.805 | R2 | .0185 X2 .254 |
| PHASE/HERTZ | 3/60 | AMB °C/INSUL | 45/H | WK ² (Lb-Ft ²) | 9.7 | | XM 4.49 |

VARIABLE SPEED AC MOTOR CURVES



REMARKS: TYPICAL DATA
DATA VALID FOR NAMEPLATE SPEED RANGE ONLY



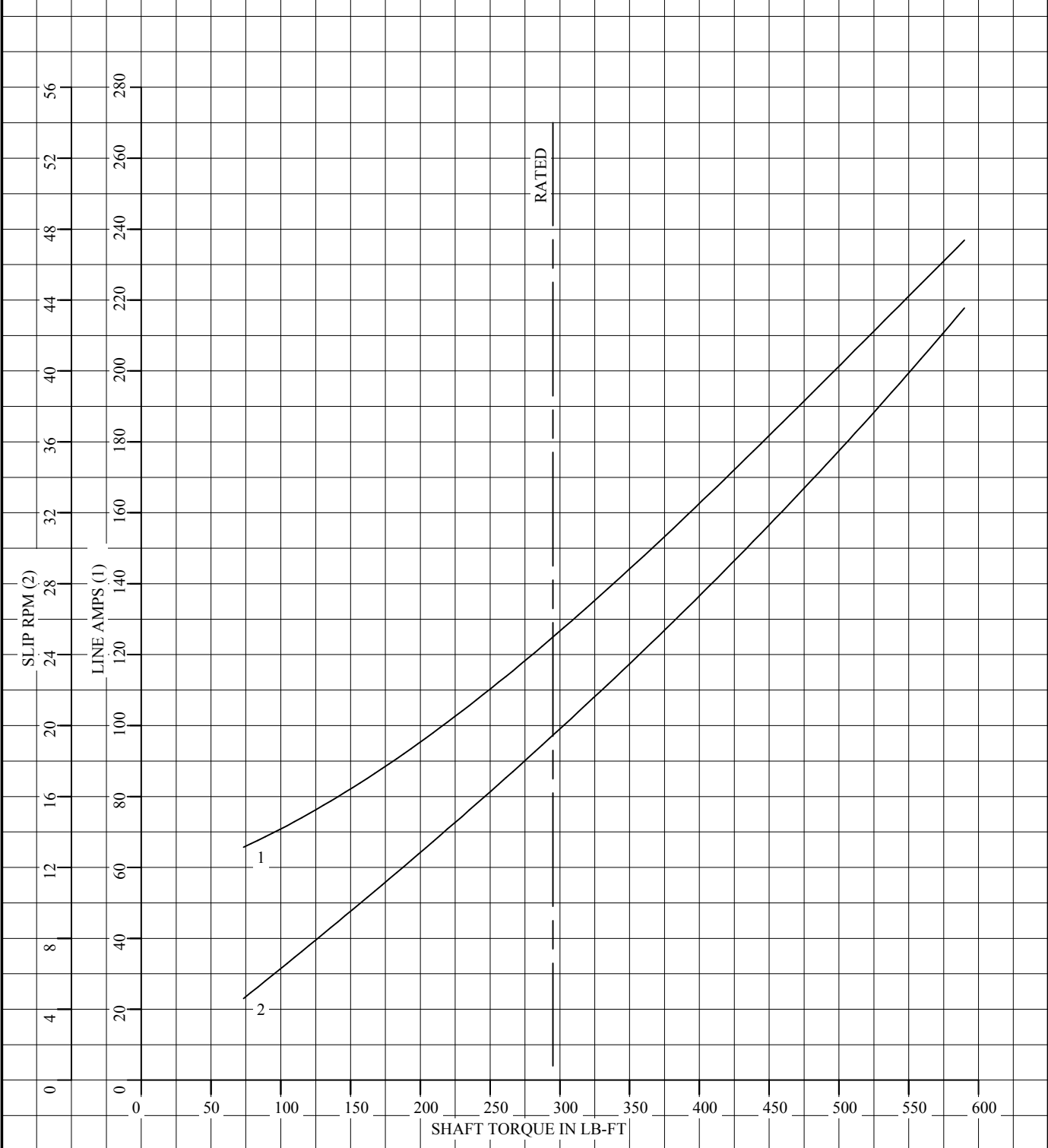
DR. BY R. SMITH
CK. BY R. SMITH
APP. BY S. EVON
DATE 6-27-08

A-C MOTOR
PERFORMANCE
CURVES

L4052A
SH 1 OF 2
ISSUE DATE 6-27-08

| | | | | | | | |
|-------------|--------|--------------|------|---------------------------------------|-----------|--------------------------------|---------|
| REL S.O. | - | VOLTS | 460 | ENCLOSURE | TEBC | WYE CONN EQ CKT OHMS PER PHASE | |
| FRAME | FL2890 | AMPS | 124 | MAX SAFE RPM | 4800 | (AT BASE RATING, 25 °C) | |
| HP | 100 | DUTY | CONT | IM (AMPS) | 59 | R1 .0288 | X1 .200 |
| BASE SPEED | 1780 | S.F. | 1.0 | P.F. @NL/FL | .035/.805 | R2 .0185 | X2 .254 |
| PHASE/HERTZ | 3/60 | AMB °C/INSUL | 45/H | WK ² (Lb-Ft ²) | 9.7 | | XM 4.49 |

LOAD PERFORMANCE (CONSTANT V/HZ RANGE)



REMARKS: TYPICAL DATA
DATA VALID FOR NAMEPLATE SPEED RANGE ONLY



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 CK. BY R. SMITH
 APP. BY S. EVON
 DATE 6-27-08

**A-C MOTOR
 PERFORMANCE
 CURVES**

L4052A
 SH 2 OF 2
 ISSUE DATE 6-27-08