

|             |        |              |      |                                       |           |                                |       |    |      |
|-------------|--------|--------------|------|---------------------------------------|-----------|--------------------------------|-------|----|------|
| REL S.O.    | -      | VOLTS        | 460  | ENCLOSURE                             | TEFC      | WYE CONN EQ CKT OHMS PER PHASE |       |    |      |
| FRAME       | FL2882 | AMPS         | 64   | MAX SAFE RPM                          | 4800      | (AT BASE RATING, 25 °C)        |       |    |      |
| HP          | 50     | DUTY         | CONT | IM (AMPS)                             | 31        | R1                             | .0515 | X1 | .353 |
| BASE SPEED  | 1785   | S.F.         | 1.0  | P.F.@NL/FL                            | .044/.796 | R2                             | .0316 | X2 | .492 |
| PHASE/HERTZ | 3/60   | AMB °C/INSUL | 40/H | WK <sup>2</sup> (Lb-Ft <sup>2</sup> ) | 8.3       |                                |       | XM | 8.43 |

**RATED FULL LOAD DATA**

|            | RPM  | HP   | TORQUE<br>LB-FT | FUND<br>VOLTS | FREQ-HZ | AMPS |
|------------|------|------|-----------------|---------------|---------|------|
| BASE SPEED | 1784 | 50.0 | 147             | 460           | 60      | 63.5 |
| MAX SPEED  | 3562 | 50.0 | 74              | 460           | 120     | 62.6 |
| MIN SPEED  | 0    | 0    | 147             | 9.42          | .549    | 63.5 |

**LOAD PERFORMANCE AT BASE SPEED**

|           | RPM  | HP   | TORQUE<br>LB-FT | FUND<br>VOLTS | FREQ-HZ | AMPS |
|-----------|------|------|-----------------|---------------|---------|------|
| NO LOAD   | 1800 | 0    | 0               | 460           | 60      | 30.5 |
| 1/4       | 1796 | 12.5 | 37              | 460           | 60      | 34.2 |
| 1/2       | 1792 | 25.0 | 73              | 460           | 60      | 41.8 |
| 3/4       | 1788 | 37.5 | 110             | 460           | 60      | 51.9 |
| FULL LOAD | 1784 | 50.0 | 147             | 460           | 60      | 63.5 |
| O/L       | 1764 | 98.9 | 295             | 460           | 60      | 117  |

| BLOWER<br>DATA | VOLTS | PH/HZ | FL AMPS | LR AMPS | FRAME | CFM |
|----------------|-------|-------|---------|---------|-------|-----|
|                |       |       |         |         |       |     |

REMARKS: TYPICAL DATA

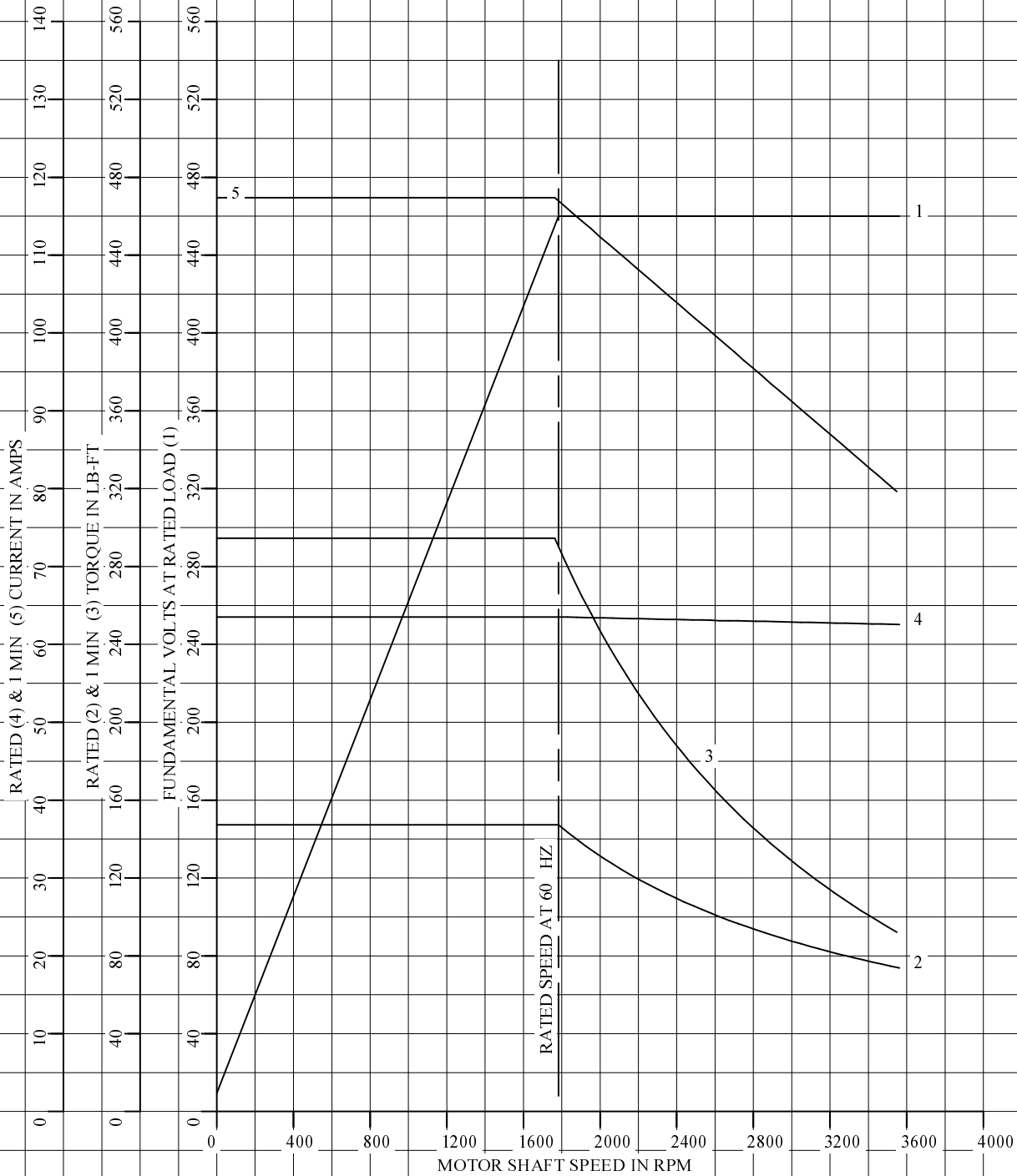


DR. BY R. SMITH  
 CK. BY R. SMITH  
 APP. BY S. EVON  
 DATE 6-27-08

**A-C MOTOR**  
**PERFORMANCE DATA** L4049A  
 ISSUE DATE 6-27-08

|             |        |              |      |                                       |           |                                |         |
|-------------|--------|--------------|------|---------------------------------------|-----------|--------------------------------|---------|
| REL S.O.    | -      | VOLTS        | 460  | ENCLOSURE                             | TEFC      | WYE CONN EQ CKT OHMS PER PHASE |         |
| FRAME       | FL2882 | AMPS         | 64   | MAX SAFE RPM                          | 4800      | (AT BASE RATING, 25 °C)        |         |
| HP          | 50     | DUTY         | CONT | IM (AMPS)                             | 31        | R1 .0515                       | X1 .353 |
| BASE SPEED  | 1785   | S.F.         | 1.0  | P.F.@NL/FL                            | .044/.796 | R2 .0316                       | X2 .492 |
| PHASE/HERTZ | 3/60   | AMB °C/INSUL | 40/H | WK <sup>2</sup> (Lb-Ft <sup>2</sup> ) | 8.3       |                                | XM 8.43 |

VARIABLE SPEED AC MOTOR CURVES



REMARKS: TYPICAL DATA  
DATA VALID FOR NAMEPLATE SPEED RANGE ONLY



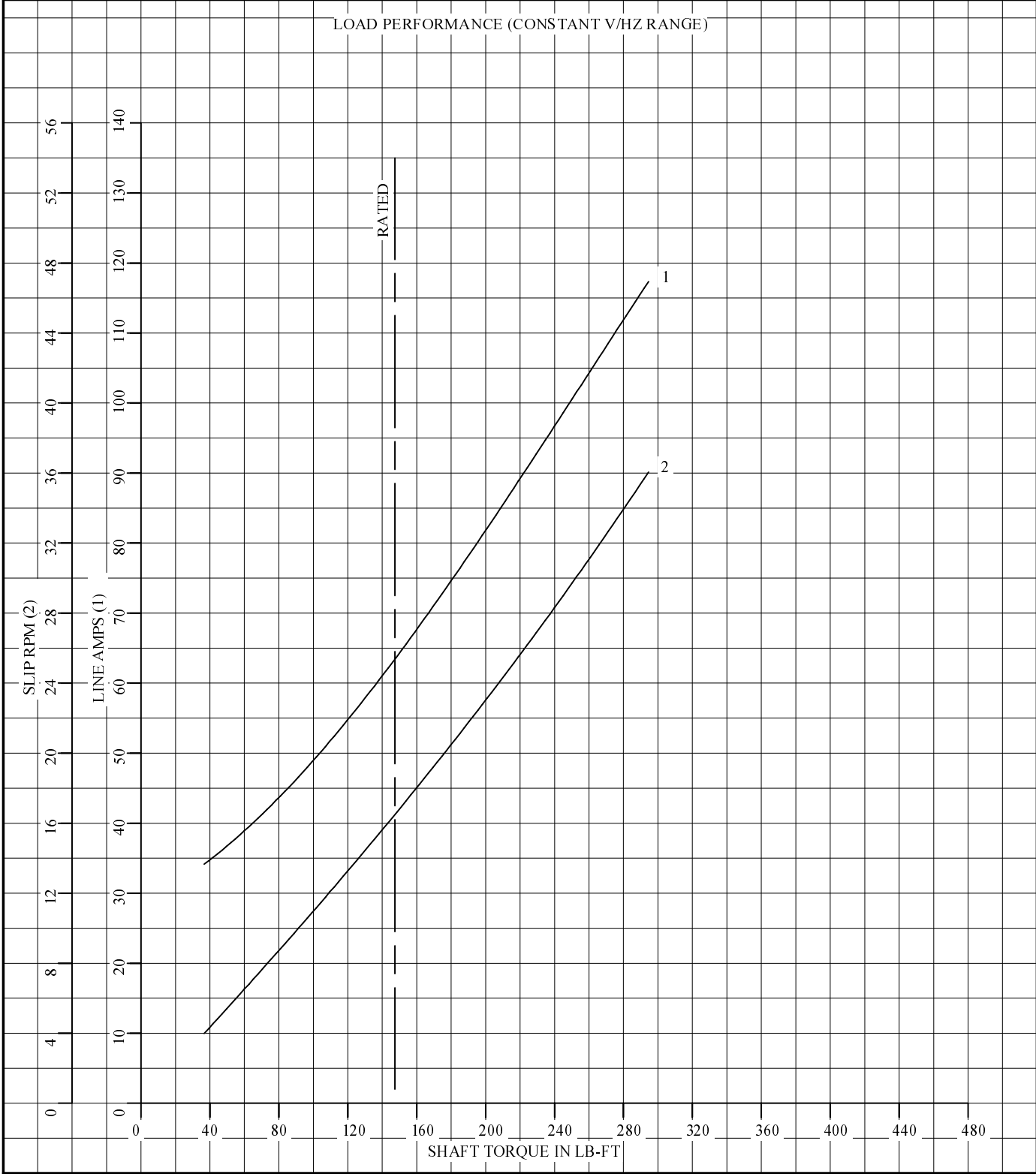
DR. BY R. SMITH  
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APP. BY S. EVON  
DATE 6-27-08

A-C MOTOR  
PERFORMANCE  
CURVES

L4049A  
SH 1 OF 2  
ISSUE DATE 6-27-08

|             |        |              |      |                                       |           |                                |         |
|-------------|--------|--------------|------|---------------------------------------|-----------|--------------------------------|---------|
| REL S.O.    | -      | VOLTS        | 460  | ENCLOSURE                             | TEFC      | WYE CONN EQ CKT OHMS PER PHASE |         |
| FRAME       | FL2882 | AMPS         | 64   | MAX SAFE RPM                          | 4800      | (AT BASE RATING, 25 °C)        |         |
| HP          | 50     | DUTY         | CONT | IM (AMPS)                             | 31        | R1 .0515                       | X1 .353 |
| BASE SPEED  | 1785   | S.F.         | 1.0  | P.F.@NL/FL                            | .044/.796 | R2 .0316                       | X2 .492 |
| PHASE/HERTZ | 3/60   | AMB °C/INSUL | 40/H | WK <sup>2</sup> (Lb-Ft <sup>2</sup> ) | 8.3       |                                | XM 8.43 |

LOAD PERFORMANCE (CONSTANT V/Hz RANGE)



REMARKS: TYPICAL DATA  
DATA VALID FOR NAMEPLATE SPEED RANGE ONLY



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 CK. BY R. SMITH  
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 DATE 6-27-08

**A-C MOTOR PERFORMANCE CURVES**  
**L4049A**  
 SH 2 OF 2  
 ISSUE DATE 6-27-08