

|            |        |                |      |                                       |           |                                                          |          |
|------------|--------|----------------|------|---------------------------------------|-----------|----------------------------------------------------------|----------|
| S/O        | -      | VOLTS          | 460  | ENCLOSURE                             | TEBC      | WYE CONN EQ CKT OHMS PER PHASE<br>(AT BASE RATING, 25°C) |          |
| FRAME      | FL5832 | AMPS           | 1151 | MAX SAFE SPEED                        | 2250      |                                                          |          |
| HP         | 1000   | DUTY           | CONT | IM (AMPS)                             | 404       | R1 .00077                                                | X1 .0241 |
| BASE SPEED | 1794   | S.F.           | 1.0  | P.F. @NL / FL                         | .022/.853 | R2 .00063                                                | X2 .0256 |
| PHASE/HZ   | 3/90   | AMB.°C / INSUL | 40/H | WK <sup>2</sup> (Lb-Ft <sup>2</sup> ) | 750       |                                                          | XM .634  |

#### RATED FULL LOAD DATA

|            | RPM  | HP   | TORQUE<br>LB-FT | FUND<br>VOLTS | FREQ-HZ | AMPS |
|------------|------|------|-----------------|---------------|---------|------|
| BASE SPEED | 1793 | 1000 | 2927            | 460           | 90      | 1151 |
| MAX SPEED  | 2100 | 1000 | 2500            | 460           | 105.4   | 1135 |
| MIN SPEED  | 0    | 0    | 2927            | 2.68          | .3270   | 1151 |

#### LOAD PERFORMANCE AT BASE SPEED

|           | RPM  | HP   | TORQUE<br>LB-FT | FUND<br>VOLTS | FREQ-HZ | AMPS |
|-----------|------|------|-----------------|---------------|---------|------|
| NO LOAD   | 1800 | 0    | 0               | 460           | 90      | 404  |
| 1/4       | 1798 | 250  | 730             | 460           | 90      | 493  |
| 1/2       | 1797 | 501  | 1464            | 460           | 90      | 678  |
| 3/4       | 1795 | 750  | 2193            | 460           | 90      | 902  |
| FULL LOAD | 1793 | 999  | 2927            | 460           | 90      | 1151 |
| 0/L       | 1785 | 1990 | 5853            | 460           | 90      | 2283 |

REMARKS:  
CALCULATED DATA

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APPROVED BY: J. MARTIN  
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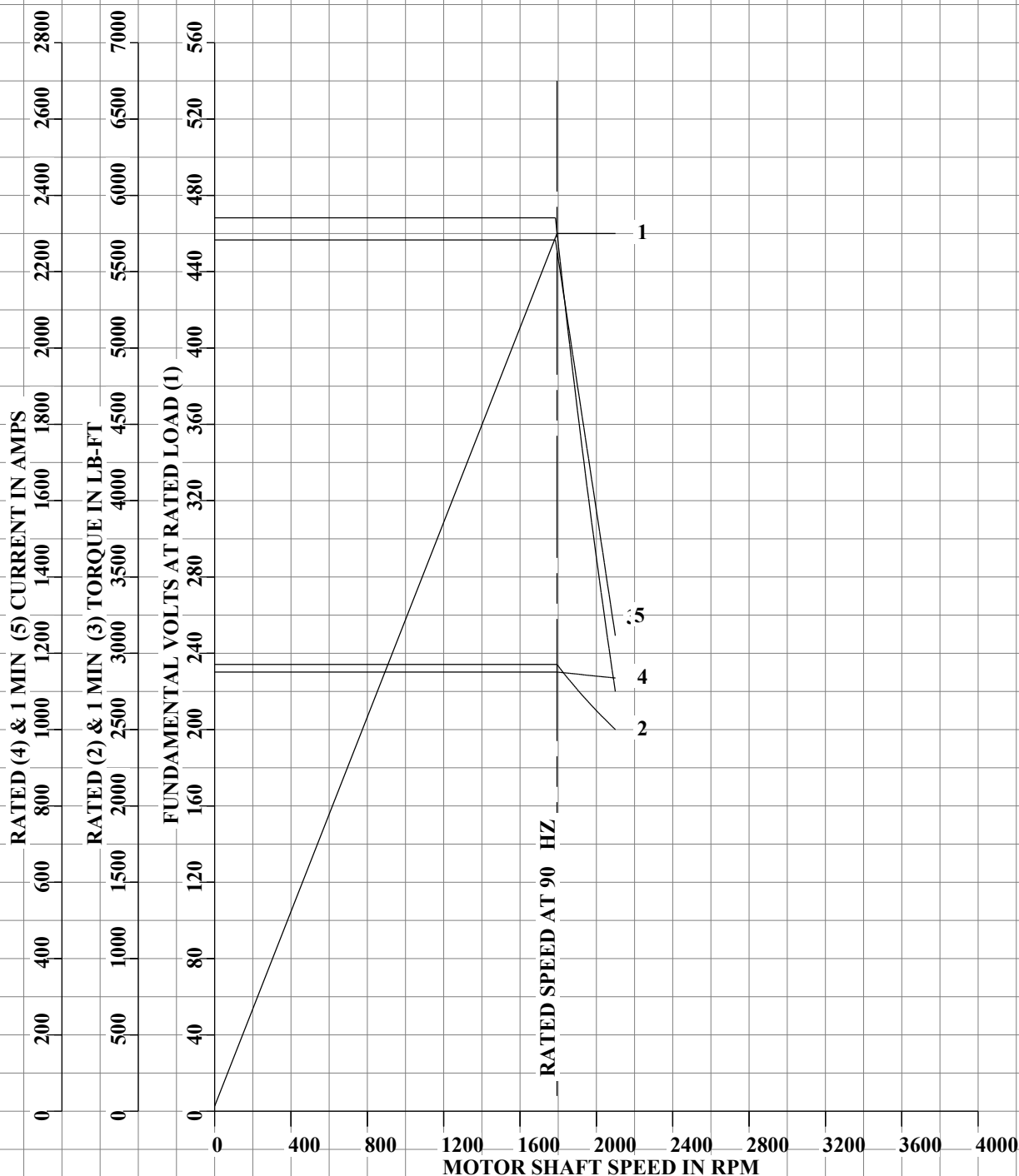
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|            |        |                |      |                |           |                                                          |        |          |
|------------|--------|----------------|------|----------------|-----------|----------------------------------------------------------|--------|----------|
| S/O        | -      | VOLTS          | 460  | ENCLOSURE      | TEBC      | WYE CONN EQ CKT OHMS PER PHASE<br>(AT BASE RATING, 25°C) |        |          |
| FRAME      | FL5832 | AMPS           | 1151 | MAX SAFE SPEED | 2250      |                                                          |        |          |
| HP         | 1000   | DUTY           | CONT | IM (AMPS)      | 404       | R1                                                       | .00077 | X1 .0241 |
| BASE SPEED | 1794   | S.F.           | 1.0  | P.F. @NL / FL  | .022/.853 | R2                                                       | .00063 | X2 .0256 |
| PHASE/HZ   | 3/90   | AMB.°C / INSUL | 40/H | WK² (Lb-Ft²)   | 750       |                                                          |        | XM .634  |

### VARIABLE SPEED AC MOTOR CURVES



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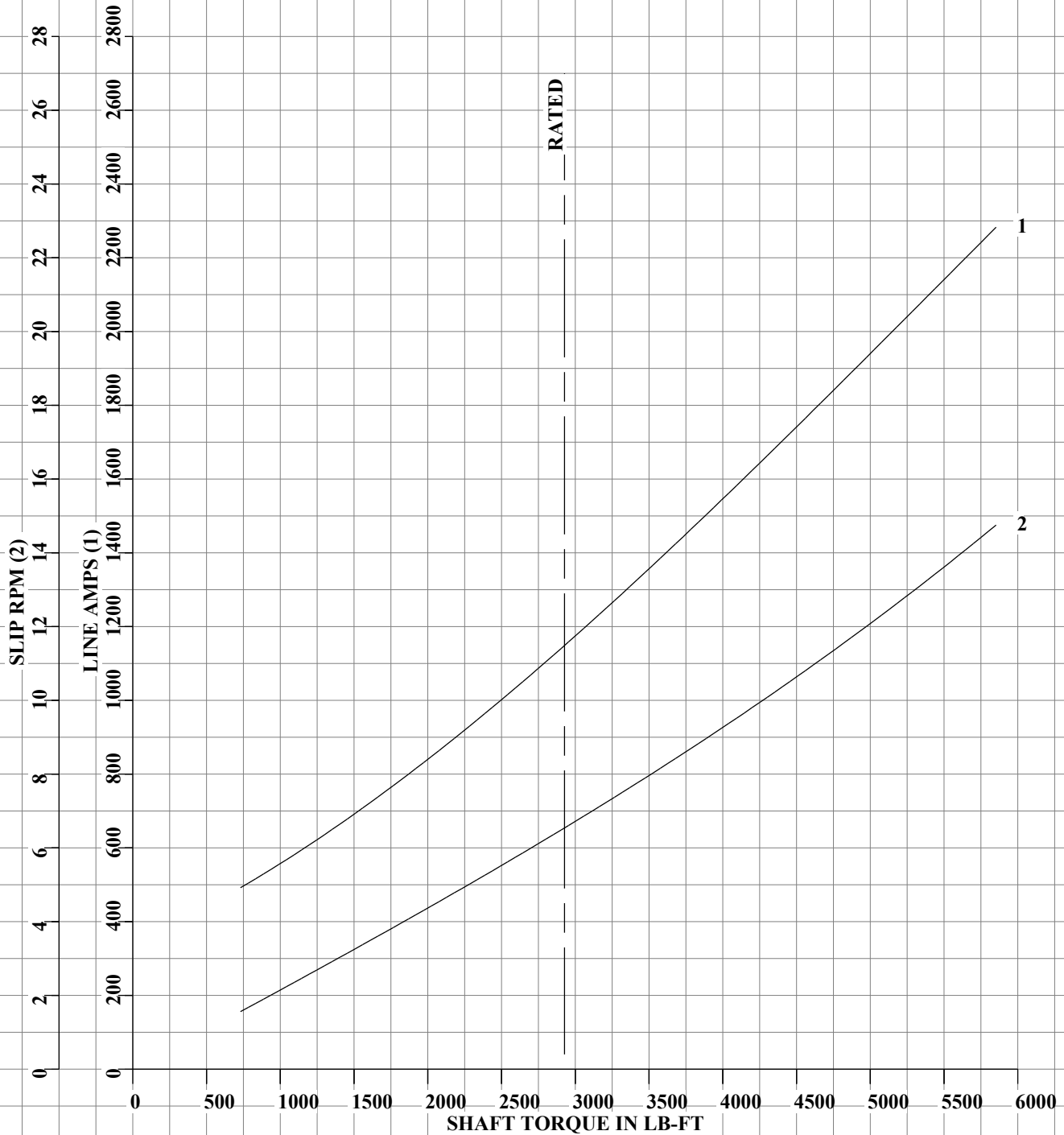
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|            |        |                |      |                |           |                                |        |          |
|------------|--------|----------------|------|----------------|-----------|--------------------------------|--------|----------|
| S/O        | -      | VOLTS          | 460  | ENCLOSURE      | TEBC      | WYE CONN EQ CKT OHMS PER PHASE |        |          |
| FRAME      | FL5832 | AMPS           | 1151 | MAX SAFE SPEED | 2250      | (AT BASE RATING, 25°C)         |        |          |
| HP         | 1000   | DUTY           | CONT | IM (AMPS)      | 404       | R1                             | .00077 | X1 .0241 |
| BASE SPEED | 1794   | S.F.           | 1.0  | P.F. @NL / FL  | .022/.853 | R2                             | .00063 | X2 .0256 |
| PHASE/HZ   | 3/90   | AMB.°C / INSUL | 40/H | WK² (Lb-Ft²)   | 750       |                                |        | XM .634  |

# LOAD PERFORMANCE (CONSTANT V/HZ RANGE)



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