


| | | | | | | | | |
|---|-------------|-------------------|-----------------------|--|--|-------|------------|----------|
| REL. S.O. | FRAME | HP | TYPE | PHASE/ HERTZ | RPM | VOLTS | | |
| | 405T | 75 | P | 3/60 | 1185 | 460 | | |
| AMPS | DUTY | AMB °C/ INSUL. | S.F. | NEMA DESIGN | CODE LETTER | ENCL. | | |
| 86.5 | CONT | 40/F | 1.15 | B | G | FCXE | | |
| E/S | ROTOR | TEST S.O. | TEST DATE | STATOR RES. @25 °C OHMS (BETWEEN LINES) | | | | |
| - | 418142073FE | --- | --- | .0899 | | | | |
| PERFORMANCE | | | | | | | | |
| LOAD | HP | AMPERES | RPM | % POWER FACTOR | % EFFICIENCY | | | |
| NO LOAD | 0 | 25.9 | 1200 | 5.51 | 0 | | | |
| 1/4 | 18.8 | 33.3 | 1197 | 57.6 | 91.7 | | | |
| 2/4 | 37.5 | 48.0 | 1194 | 77.5 | 94.4 | | | |
| 3/4 | 56.2 | 66.2 | 1190 | 83.8 | 94.8 | | | |
| 4/4 | 75.0 | 86.5 | 1186 | 86.0 | 94.5 | | | |
| 5/4 | 93.8 | 108 | 1182 | 86.9 | 93.8 | | | |
| SPEED TORQUE | | | | | | | | |
| | | RPM | TORQUE % FULL LOAD | TORQUE LB.-FT. | AMPERES | | | |
| LOCKED ROTOR | | 0 | 168 | 557 | 542 | | | |
| PULL UP | | 240 | 157 | 520 | 515 | | | |
| BREAKDOWN | | 1134 | 246 | 818 | 291 | | | |
| FULL LOAD | | 1186 | 100 | 332 | 86.5 | | | |
| <p>AMPERES SHOWN FOR 460. VOLT CONNECTION. IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE</p> <p>REMARKS: CALCULATED DATA XE MOTOR-NEMA NOM. EFF. 94.5 PCT.</p> | | | | | | | | |
|  | | DR. BY | W. L. SMITH | | A-C MOTOR PERFORMANCE A40WG1239-R001 DATA | | | |
| | | CK. BY | C. E. JAMISON | | | | ISSUE DATE | 12/10/13 |
| | | APP. BY | W. L. SMITH | | | | | |
| | | DATE | 12/10/13 | | | | | |

REL S.O.

FRAME 405T

HP 75

TYPE P

PHASE/HERTZ 3/60

RPM 1185

VOLTS 460

AMPS 86.5

DUTY CONT

AMB °C/INSUL 40/F

S.F. 1.15

NEMA DESIGN B

CODE LETTER G

ENCLOSURE FCXE

E/S -

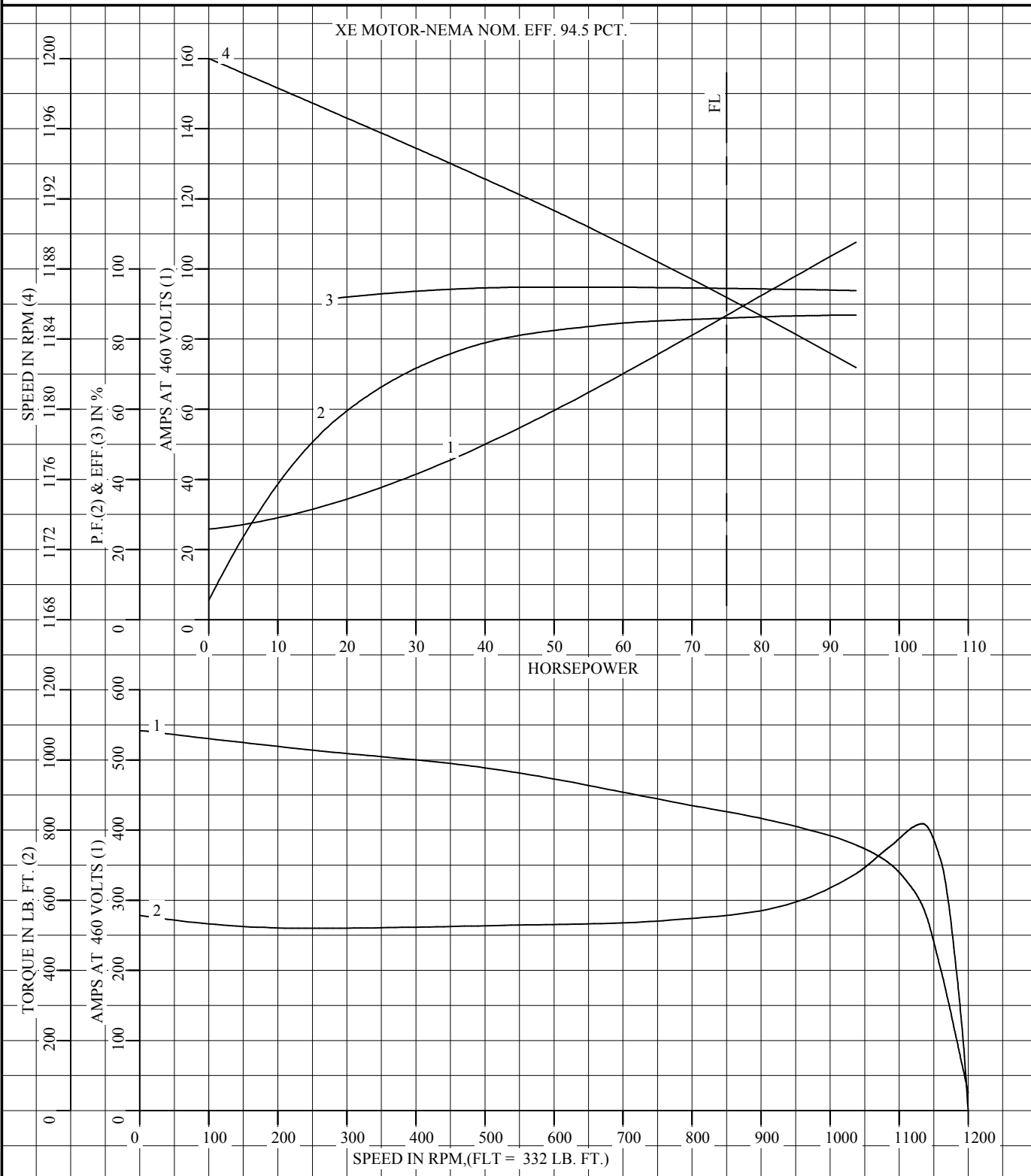
ROTOR 418142073FE

TEST S.O. CALCULATED DATA

TEST DATE ---

STATOR RES. @ 25 °C .0899

OHMS (BETWEEN LINES)



AMPERES SHOWN FOR 460 VOLT CONNECTION, IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.



DR. BY W. L. SMITH
 CK. BY C.E.JAMISON
 APP. BY W. L. SMITH
 DATE 12/10/13

A-C MOTOR PERFORMANCE CURVES
A40WG1239-R001
 ISSUE DATE 12/10/13