

|                                                                                                                                               |             |                       |                       |                                                                     |                 |       |
|-----------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------------------|-----------------------|---------------------------------------------------------------------|-----------------|-------|
| REL.<br>S.O.                                                                                                                                  | FRAME       | HP                    | TYPE                  | PHASE/<br>HERTZ                                                     | RPM             | VOLTS |
|                                                                                                                                               | 405T        | 75                    | P                     | 3/60                                                                | 1185            | 460   |
|                                                                                                                                               |             |                       |                       |                                                                     |                 |       |
| AMPS                                                                                                                                          | DUTY        | AMB °C/<br>INSUL.     | S.F.                  | NEMA<br>DESIGN                                                      | CODE<br>LETTER  | ENCL. |
| 91                                                                                                                                            | CONT        | 40/F                  | 1.25                  | A                                                                   | H               | TEFC  |
|                                                                                                                                               |             |                       |                       |                                                                     |                 |       |
| E/S                                                                                                                                           | ROTOR       | TEST<br>S.O.          | TEST<br>DATE          | STATOR RES. @25 °C<br>OHMS (BETWEEN LINES)                          |                 |       |
| 495019                                                                                                                                        | 418142071GE | ---                   | ---                   | .0799                                                               |                 |       |
| PERFORMANCE                                                                                                                                   |             |                       |                       |                                                                     |                 |       |
| LOAD                                                                                                                                          | HP          | AMPERES               | RPM                   | %<br>POWER FACTOR                                                   | %<br>EFFICIENCY |       |
| NO LOAD                                                                                                                                       | 0           | 39.4                  | 1200                  | 4.15                                                                | 0               |       |
| 1/4                                                                                                                                           | 18.8        | 44.6                  | 1197                  | 43.4                                                                | 90.8            |       |
| 2/4                                                                                                                                           | 37.5        | 56.7                  | 1193                  | 65.8                                                                | 94.1            |       |
| 3/4                                                                                                                                           | 56.2        | 72.7                  | 1189                  | 76.5                                                                | 94.7            |       |
| 4/4                                                                                                                                           | 74.9        | 90.9                  | 1186                  | 81.6                                                                | 94.6            |       |
| 5/4                                                                                                                                           | 93.7        | 111                   | 1181                  | 83.9                                                                | 94.1            |       |
|                                                                                                                                               |             |                       |                       |                                                                     |                 |       |
| SPEED TORQUE                                                                                                                                  |             |                       |                       |                                                                     |                 |       |
|                                                                                                                                               |             | RPM                   | TORQUE<br>% FULL LOAD | TORQUE<br>LB.-FT.                                                   | AMPERES         |       |
| LOCKED ROTOR                                                                                                                                  |             | 0                     | 276                   | 917                                                                 | 615             |       |
| PULL UP                                                                                                                                       |             | 780                   | 213                   | 707                                                                 | 513             |       |
| BREAKDOWN                                                                                                                                     |             | 1110                  | 287                   | 952                                                                 | 341             |       |
| FULL LOAD                                                                                                                                     |             | 1186                  | 100                   | 332                                                                 | 90.9            |       |
| AMPERES SHOWN FOR 460. VOLT CONNECTION. IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE<br>AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE |             |                       |                       |                                                                     |                 |       |
| REMARKS: TYPICAL DATA                                                                                                                         |             |                       |                       |                                                                     |                 |       |
|                                                            |             | DR. BY W. L. SMITH    |                       | A-C MOTOR<br>PERFORMANCE A40WG0453-R002<br>DATA ISSUE DATE 01/28/20 |                 |       |
|                                                                                                                                               |             | CK. BY J. J. HARRISON |                       |                                                                     |                 |       |
|                                                                                                                                               |             | APP. BY W. L. SMITH   |                       |                                                                     |                 |       |
|                                                                                                                                               |             | DATE 06/15/10         |                       |                                                                     |                 |       |

REL S.O.

FRAME 405T

HP 75

TYPE P

PHASE/HERTZ 3/60

RPM 1185

VOLTS 460

AMPS 91

DUTY CONT

AMB °C/INSUL 40/F

S.F. 1.25

NEMA DESIGN A

CODE LETTER H

ENCLOSURE TEFC

E/S 495019

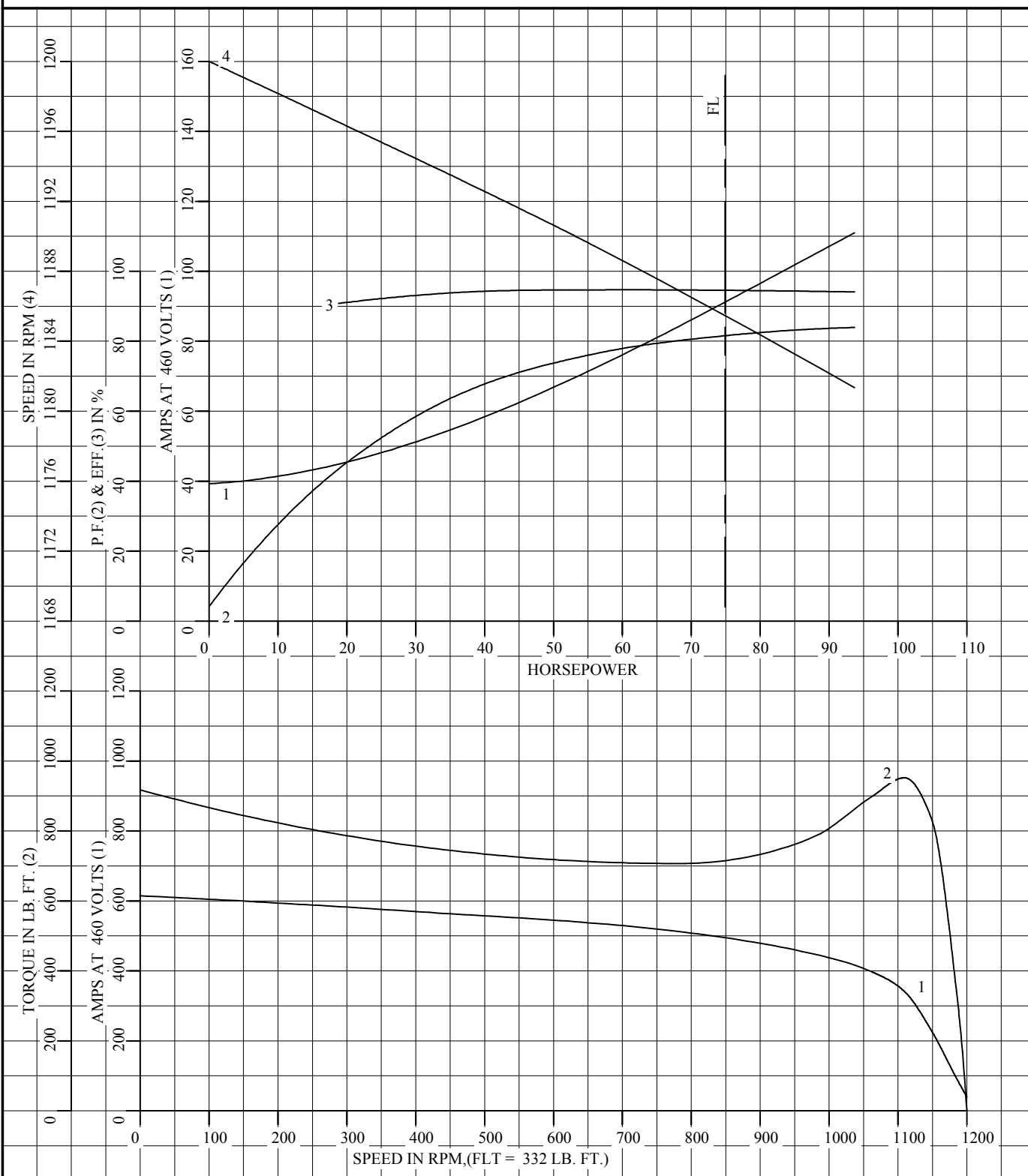
ROTOR 418142071GE

TEST S.O. TYPICAL DATA

TEST DATE ---

STATOR RES. @ 25 °C .0799

OHMS (BETWEEN LINES)



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

**BALDOR**  
A MEMBER OF THE ABB GROUP

DR. BY W. L. SMITH  
CK. BY J. J. HARRISON  
APP. BY W. L. SMITH  
DATE 06/15/10

**A-C MOTOR  
PERFORMANCE  
CURVES**

A40WG0453-R002  
ISSUE DATE 01/28/20

REL. S.O.

FRAME 405T

HP 75

TYPE P

PHASE/HERTZ 3/60

RPM 1185

VOLTS 460

AMPS 91

DUTY CONT

AMB °C/INSUL 40/F

S.F. 1.25

NEMA DESIGN A

CODE LETTER H

ENCLOSURE TEFC

E/S 495019

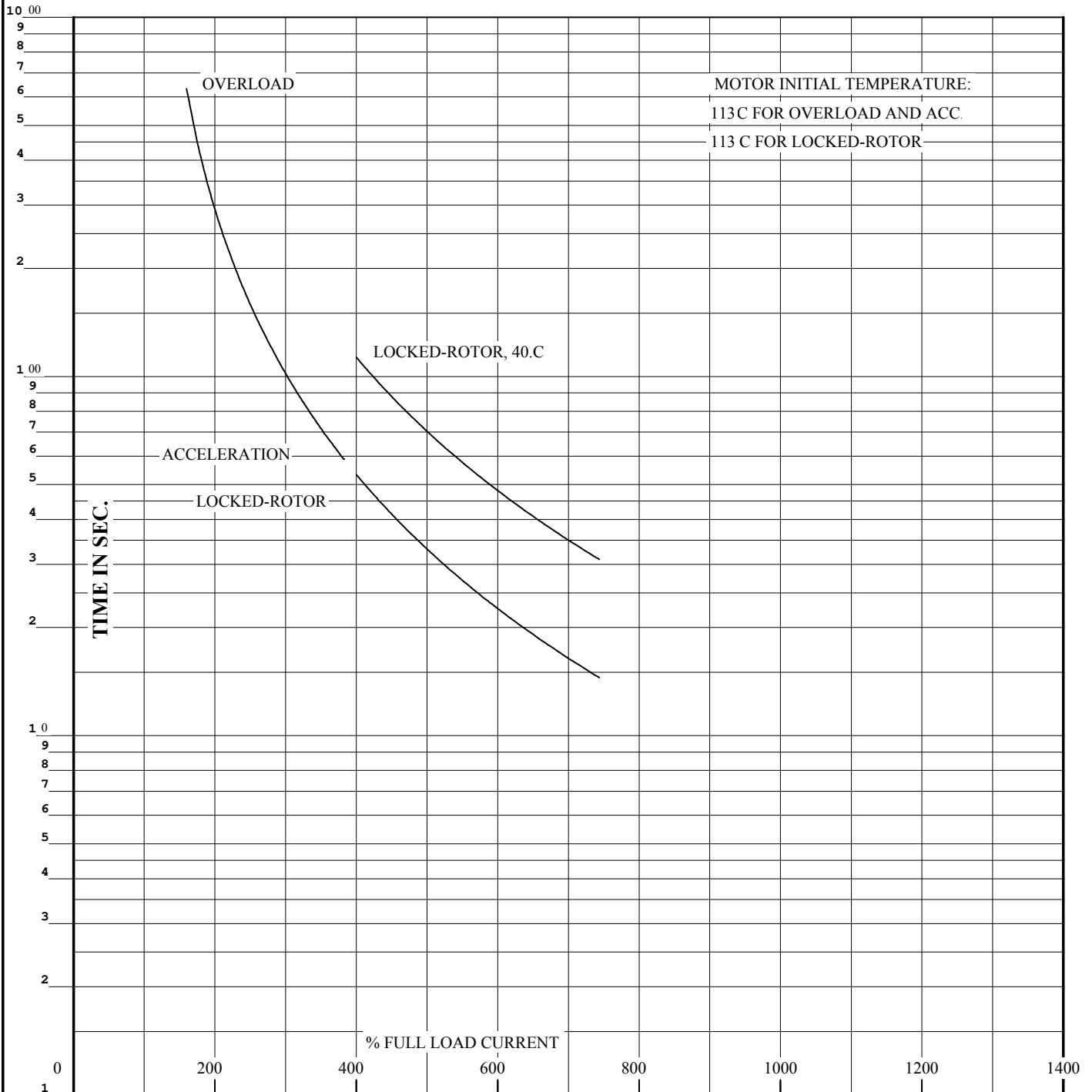
ROTOR 418142071GE

TEST S.O. TYPICAL DATA

TEST DATE ---

STATOR RES. @ 25 °C. 0.0799

OHMS (BETWEEN LINES)



THERMAL LIMIT CURVE

REMARKS:

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

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PERFORMANCE  
CURVES**

**A40WG0453-R002**  
ISSUE DATE 01/28/20