| S.O. | FRAME | HP | TYPE | PHASE | HERTZ | RPM |
|---|---|---|---|---|---|---|
| -- | FL1838 | 10 | PSM | 3 | 60 | 1800 |

| VOLTS | AMPS | DUTY | AMB°C | INSUL | S.F. | NEMA DESIGN |
|---|---|---|---|---|---|---|
| 460 | 10.1 | CONT | 40 | H | 1.15 | B |

| CODE LETTER | ENCL | ROTOR INERTIA ($lb\text{-}ft^2$) | STATOR RES.@ 25°C OHMS (BETWEEN LINES) | |
|---|---|---|---|---|
| H | TEFC | .60 | 1.113 | TYPICAL DATA |

**PERFORMANCE**

| LOAD | HP | AMPERES | RPM | % POWER FACTOR | % EFFICIENCY |
|---|---|---|---|---|---|
| NO LOAD | 0 | 5.6 | 1800 | 4.90 | N/A |
| 1/4 | 2.50 | 4.4 | 1800 | 59.6 | 89.9 |
| 2/4 | 4.99 | 5.6 | 1800 | 89.4 | 93.7 |
| 3/4 | 7.49 | 7.7 | 1800 | 96.5 | 94.5 |
| 4/4 | 9.99 | 10.1 | 1800 | 98.1 | 94.6 |
| 5/4 | 12.5 | 12.6 | 1800 | 98.3 | 94.4 |

**SPEED TORQUE**

| | RPM | TORQUE (% FULL LOAD) | TORQUE (lb-ft) | AMPERES |
|---|---|---|---|---|
| LOCKED ROTOR | 0 | 169 | 49.4 | 75.0 |
| PULL OUT | 1800 | 299 | 87.2 | 39.5 |
| FULL LOAD | 1800 | 100 | 29.1 | 10.1 |

THIS IS A PERMANENT MAGNET MOTOR

GENERATED OPEN CIRCUIT LINE-LINE VOLTAGE at 25°C = 20.3 VOLTS PER 100 RPM

REMARKS:

BALDOR
A MEMBER OF THE ABB GROUP

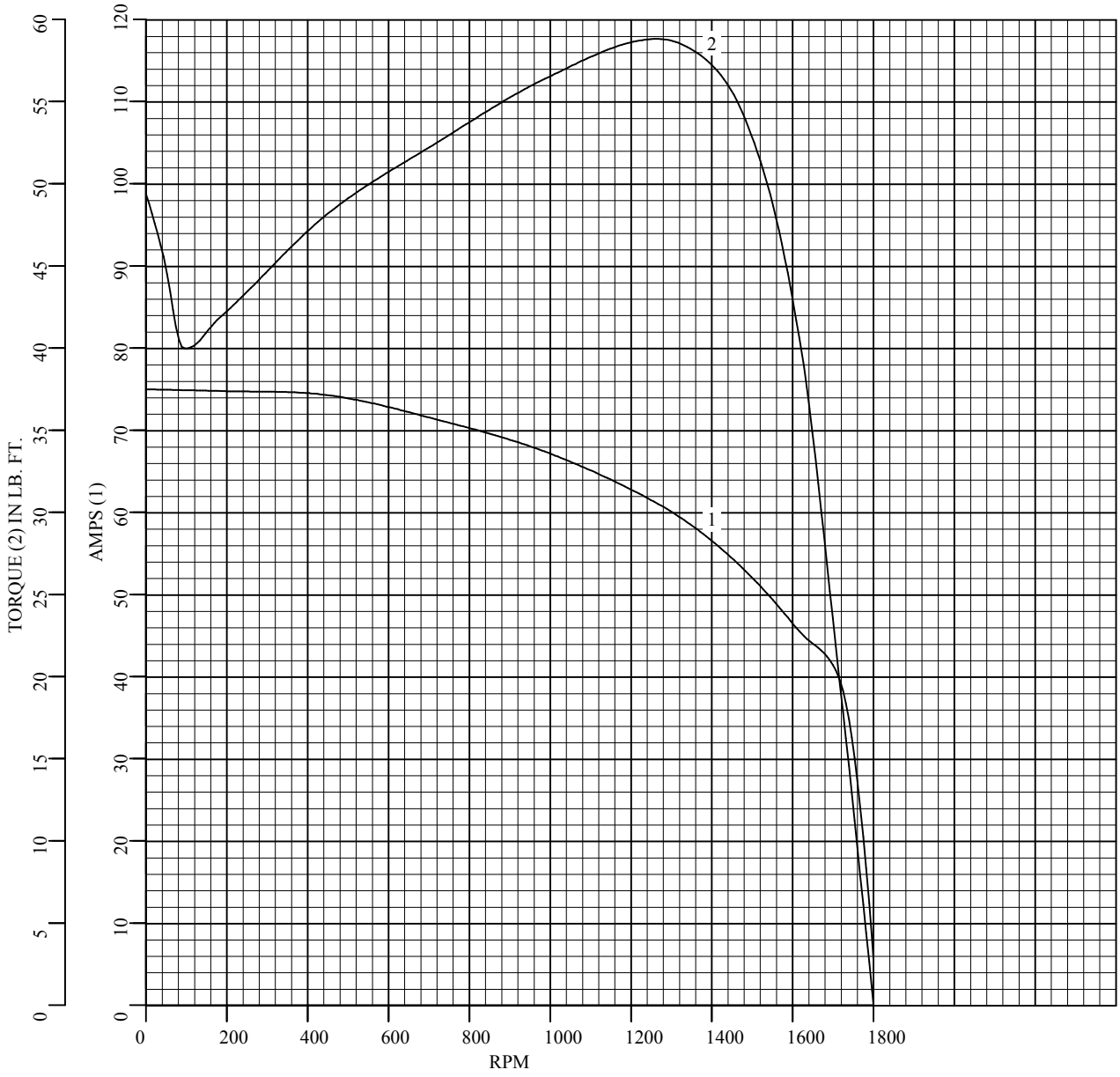
DR. BY CAD
CK. BY RFM
APP. BY RFM
DATE 05/25/2016

**LSPM MOTOR PERFORMANCE DATA** LS6940A

ISSUE DATE 05/25/2016

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| S.O. | -- | HERTZ | 60 | AMB°C | 40 | CODE LETTER | H |
| FRAME | FL1838 | RPM | 1800 | INSUL | H | WK$^2$ (lb-ft$^2$) | .60 |
| HP | 10 | VOLTS | 460 | S.F. | 1.15 | NEMA DESIGN | B |
| TYPE | PSM | AMPS | 10.1 | ENCL | TEFC | STATOR RES.@ 25°C | 1.113 |
| PHASE | 3 | DUTY | CONT | | | OHMS (BETWEEN LINES) | |

# Amps & Torque vs. RPM
# During Acceleration




TYPICAL DATA

BALDOR
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|---|---|
| DR. BY | CAD |
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| APP. BY | RFM |
| DATE | 05/25/2016 |

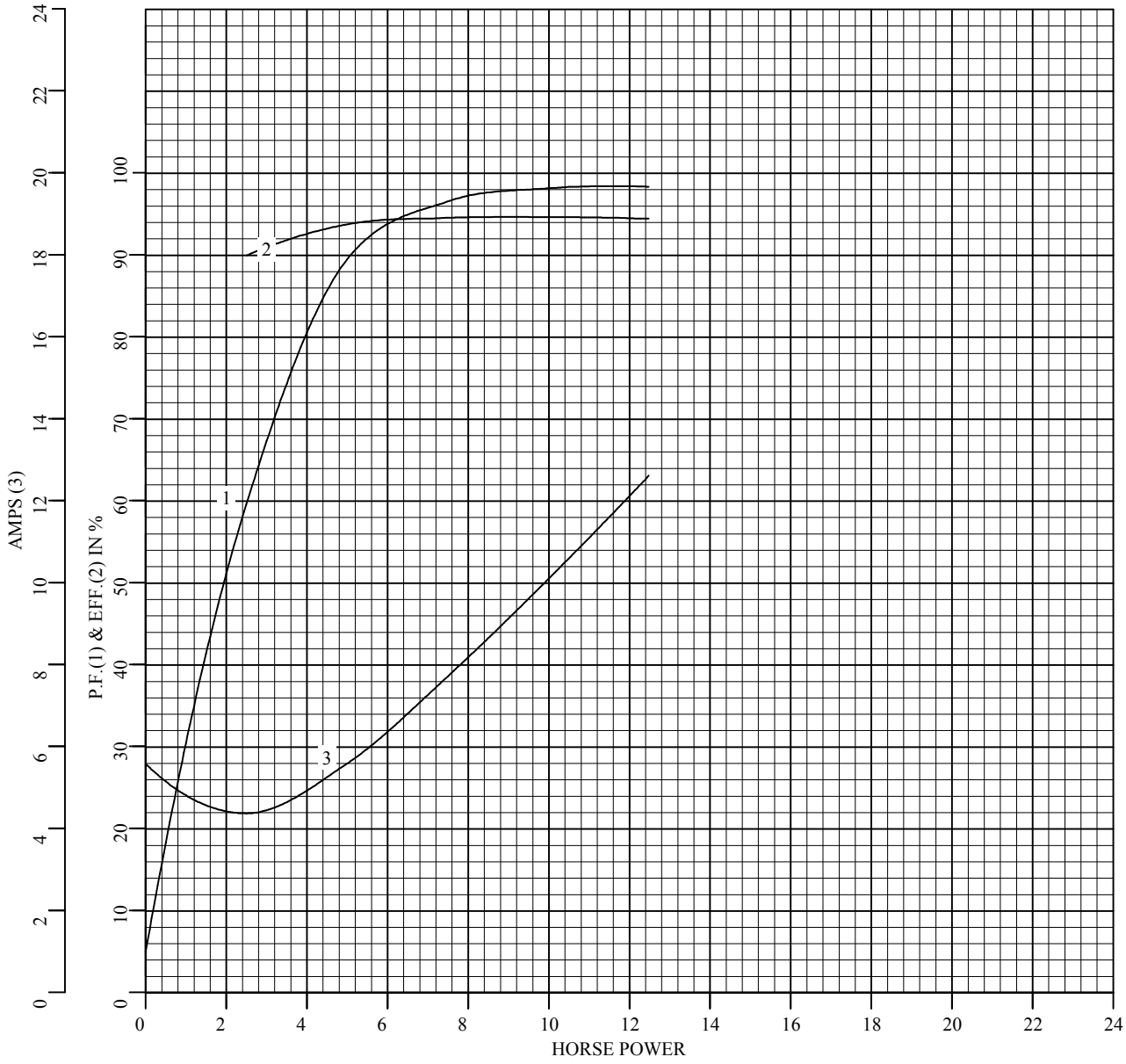
**LSPM MOTOR PERFORMANCE CURVES**

**LS6940A**

ISSUE DATE 05/25/2016

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| S.O. | -- | HERTZ | 60 | AMB°C | 40 | CODE LETTER | H |
| FRAME | FL1838 | RPM | 1800 | INSUL | H | WK$^2$ (lb-ft$^2$) | .60 |
| HP | 10 | VOLTS | 460 | S.F. | 1.15 | NEMA DESIGN | B |
| TYPE | PSM | AMPS | 10.1 | ENCL | TEFC | STATOR RES.@ 25°C | 1.113 |
| PHASE | 3 | DUTY | CONT | | | OHMS (BETWEEN LINES) | |

# Performance Data vs. HP
# At Synchronous Speed




TYPICAL DATA

BALDOR
A MEMBER OF THE ABB GROUP

| | |
|---|---|
| DR. BY | CAD |
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| APP. BY | RFM |
| DATE | 05/25/2016 |

**LSPM MOTOR PERFORMANCE CURVES**

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