

# ABB BALDOR RELIANCE III

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## Customer information packet

### FPM2562T-4

200/150HP, 60//50HZ, 2PL, 3PH, 444TS, OPEN

Class - None

Division - Not Applicable

**Specifications**

|                                      |                                            |
|--------------------------------------|--------------------------------------------|
| <b>Enclosure</b>                     | DP                                         |
| <b>Frame</b>                         | 444TS                                      |
| <b>Frame Material</b>                | Iron                                       |
| <b>Frequency</b>                     | 50.00 Hz<br>60.00 Hz                       |
| <b>Haz Area Class and Group</b>      | None                                       |
| <b>Haz Area Division</b>             | Not Applicable                             |
| <b>Motor Letter Type</b>             | Three Phase                                |
| <b>Output @ Frequency</b>            | 200.000 HP @ 60 HZ<br>150.000 HP @ 50 HZ   |
| <b>Phase</b>                         | 3                                          |
| <b>Synchronous Speed @ Frequency</b> | 3600 RPM @ 60 HZ                           |
| <b>Voltage @ Frequency</b>           | 380.0 V @ 50 HZ<br>460.0 V @ 60 HZ         |
| <b>Agency Approvals</b>              | CSA EEV<br>CCSA US<br>UL                   |
| <b>Ambient Temperature</b>           | 40 °C                                      |
| <b>Auxiliary Box</b>                 | NO AUXILLARY BOX                           |
| <b>Base Indicator</b>                | Rigid                                      |
| <b>Bearing Grease Type</b>           | Polyrex EM (-20F +300F)                    |
| <b>Current @ Voltage</b>             | 212.000 A @ 380.0 V<br>232.000 A @ 460.0 V |
| <b>Design Code</b>                   | B                                          |
| <b>Drip Cover</b>                    | No Drip Cover                              |
| <b>Duty Rating</b>                   | CONT                                       |
| <b>Efficiency @ 100% Load</b>        | 94.5 %                                     |
| <b>Feedback Device</b>               | NO FEEDBACK                                |
| <b>Heater Indicator</b>              | No Heater                                  |
| <b>High Voltage Full Load Amps</b>   | 212.0 a                                    |
| <b>Insulation Class</b>              | B                                          |
| <b>Inverter Code</b>                 | Not Inverter                               |

**Part Detail**

|                     |            |
|---------------------|------------|
| <b>Revision</b>     | G          |
| <b>Type</b>         | AC         |
| <b>Mech. spec.</b>  |            |
| <b>Base</b>         |            |
| <b>Status</b>       | PRD/A      |
| <b>Elec. spec.</b>  | A44WG5441  |
| <b>Layout</b>       | 617428-044 |
| <b>Eff. date</b>    | 09-25-2025 |
| <b>CD Diagram</b>   | 421948-079 |
| <b>Poles</b>        | 02         |
| <b>Leads</b>        | 12#6       |
| <b>Proprietary</b>  | False      |
| <b>Created date</b> | 09-17-2015 |

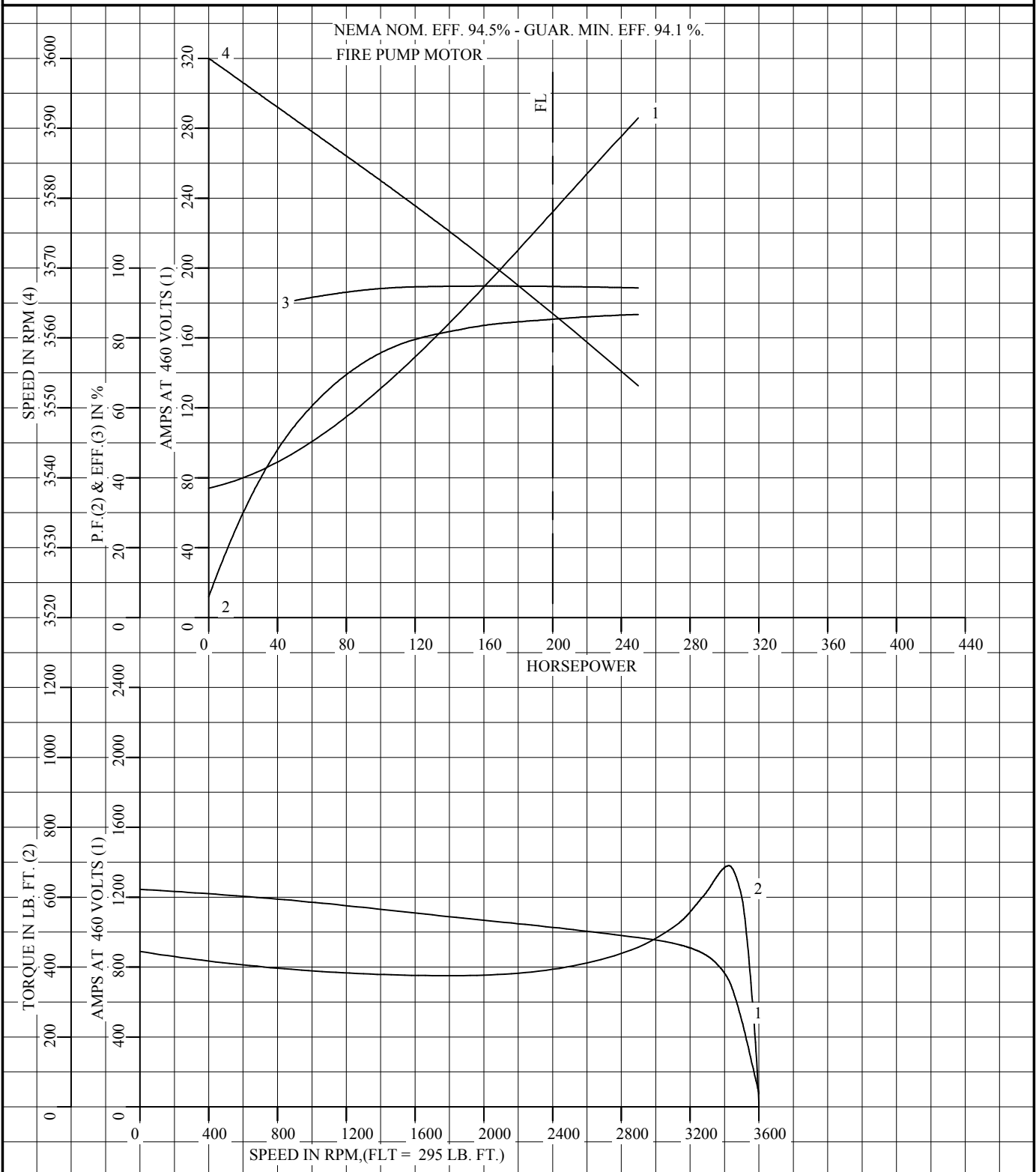
|                                      |                              |
|--------------------------------------|------------------------------|
| <b>KVA Code</b>                      | <b>E</b>                     |
| <b>Lifting Lugs</b>                  | <b>No Lifting Lugs</b>       |
| <b>Motor Lead Quantity/Wire Size</b> | <b>12 @ 6 AWG</b>            |
| <b>Motor Standards</b>               | <b>NEMA</b>                  |
| <b>Motor Type</b>                    | <b>A44048M</b>               |
| <b>Mounting Arrangement</b>          | <b>F1</b>                    |
| <b>Number of Poles</b>               | <b>2</b>                     |
| <b>Overall Length</b>                | <b>35.88 IN</b>              |
| <b>Power Factor</b>                  | <b>85</b>                    |
| <b>Product Family</b>                | <b>Other</b>                 |
| <b>Pulley End Bearing Type</b>       | <b>Ball</b>                  |
| <b>Pulley Face Code</b>              | <b>Standard</b>              |
| <b>Service Factor</b>                | <b>1.15</b>                  |
| <b>Shaft Ground Indicator</b>        | <b>No Shaft Grounding</b>    |
| <b>Shaft Rotation</b>                | <b>Reversible</b>            |
| <b>Shaft Slinger Indicator</b>       | <b>No Slinger</b>            |
| <b>Speed</b>                         | <b>2965 rpm</b>              |
|                                      | <b>3560 rpm</b>              |
| <b>Speed Code</b>                    | <b>Single Speed</b>          |
| <b>Starting Method</b>               | <b>Wye Start - Delta Run</b> |
| <b>Thermal Device - Bearing</b>      | <b>None</b>                  |
| <b>Thermal Device - Winding</b>      | <b>None</b>                  |

**Nameplate**

| NP3488L   |              |        |      |           |          |                         |      |        |             |          |            |  |  |
|-----------|--------------|--------|------|-----------|----------|-------------------------|------|--------|-------------|----------|------------|--|--|
| CAT.NO.   | FPM2562T-4   |        |      |           | CUST P/N |                         |      |        | I.P.        |          |            |  |  |
| SPEC.     | P44G1851     |        |      |           | SER.NO.  |                         |      |        | FRAME 444TS |          |            |  |  |
| HZ        | 60           | HP     | 200  | RPM       | 3560     | HZ                      | 50   | HP     | 150         | RPM      | 2965       |  |  |
| VOLTS     | 460          |        |      | CODE      | E        | VOLTS                   | 380  |        |             | CODE     | F          |  |  |
| AMPS      | 232          |        |      | DES       | B        | AMPS                    | 212  |        |             | DES      | B          |  |  |
| EFF       | 94.5         | SER.F. | 1.15 | PF        | 85       | EFF                     | 94.5 | SER.F. | 1.15        | PF       | 87         |  |  |
| RATING    | 40C AMB-CONT |        |      |           | DE BRG   | 65BC03J30X              |      |        |             | GREASE   | POLYREX EM |  |  |
| BLANK     |              |        |      |           | ODE BRG  | 65BC03J30X              |      |        |             | MTR. WT. |            |  |  |
|           |              |        |      |           | CLASS    | F                       | PH   | 3      |             |          |            |  |  |
|           |              |        |      |           | ENCL     | DP                      | CC   | 010A   |             |          |            |  |  |
| HTR-VOLTS |              |        |      | HTR-WATTS |          | MAX. SPACE HEATER TEMP. |      |        |             |          |            |  |  |
|           | HTR-AMPS     |        |      |           |          |                         |      |        |             |          |            |  |  |

|                                                                                                                                                                                                                                         |             |                   |                       |                                              |                 |       |  |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------------|-----------------------|----------------------------------------------|-----------------|-------|--|--|
| REL.<br>S.O.                                                                                                                                                                                                                            | FRAME       | HP                | TYPE                  | PHASE/<br>HERTZ                              | RPM             | VOLTS |  |  |
|                                                                                                                                                                                                                                         | 444TS       | 200               | P                     | 3/60                                         | 3560            | 460   |  |  |
| AMPS                                                                                                                                                                                                                                    | DUTY        | AMB °C/<br>INSUL. | S.F.                  | NEMA<br>DESIGN                               | CODE<br>LETTER  | ENCL. |  |  |
| 232                                                                                                                                                                                                                                     | CONT        | 40/B              | 1.15                  | B                                            | E               | ODP   |  |  |
| E/S                                                                                                                                                                                                                                     | ROTOR       | TEST<br>S.O.      | TEST<br>DATE          | STATOR RES. @25 °C<br>OHMS (BETWEEN LINES)   |                 |       |  |  |
| -                                                                                                                                                                                                                                       | 418143013PE | ---               | ---                   | .0310                                        |                 |       |  |  |
| PERFORMANCE                                                                                                                                                                                                                             |             |                   |                       |                                              |                 |       |  |  |
| LOAD                                                                                                                                                                                                                                    | HP          | AMPERES           | RPM                   | %<br>POWER FACTOR                            | %<br>EFFICIENCY |       |  |  |
| NO LOAD                                                                                                                                                                                                                                 | 0           | 74.2              | 3600                  | 5.97                                         | 0               |       |  |  |
| 1/4                                                                                                                                                                                                                                     | 50.1        | 94.1              | 3591                  | 54.9                                         | 90.7            |       |  |  |
| 2/4                                                                                                                                                                                                                                     | 100         | 131               | 3583                  | 75.7                                         | 94.1            |       |  |  |
| 3/4                                                                                                                                                                                                                                     | 150         | 179               | 3573                  | 82.8                                         | 94.8            |       |  |  |
| 4/4                                                                                                                                                                                                                                     | 200         | 232               | 3564                  | 85.3                                         | 94.7            |       |  |  |
| 5/4                                                                                                                                                                                                                                     | 250         | 286               | 3553                  | 86.7                                         | 94.3            |       |  |  |
|                                                                                                                                                                                                                                         |             |                   |                       |                                              |                 |       |  |  |
| SPEED TORQUE                                                                                                                                                                                                                            |             |                   |                       |                                              |                 |       |  |  |
|                                                                                                                                                                                                                                         |             | RPM               | TORQUE<br>% FULL LOAD | TORQUE<br>LB.-FT.                            | AMPERES         |       |  |  |
| LOCKED ROTOR                                                                                                                                                                                                                            |             | 0                 | 151                   | 444                                          | 1245            |       |  |  |
| PULL UP                                                                                                                                                                                                                                 |             | 1800              | 127                   | 376                                          | 1088            |       |  |  |
| BREAKDOWN                                                                                                                                                                                                                               |             | 3426              | 234                   | 690                                          | 721             |       |  |  |
| FULL LOAD                                                                                                                                                                                                                               |             | 3564              | 100                   | 295                                          | 232             |       |  |  |
| <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: NEMA NOM. EFF. 94.5% - GUAR. MIN. EFF. 94.1 %.</p> <p>FIRE PUMP MOTOR</p> |             |                   |                       |                                              |                 |       |  |  |
|                                                                                                                                                      |             | DR. BY            | CD                    | <b>A-C MOTOR<br/>PERFORMANCE DATA</b>        |                 |       |  |  |
|                                                                                                                                                                                                                                         |             | CK. BY            | T. KELATI             |                                              |                 |       |  |  |
|                                                                                                                                                                                                                                         |             | APP. BY           | T. KELATI             |                                              |                 |       |  |  |
|                                                                                                                                                                                                                                         |             | DATE              | 09/23/2015            |                                              |                 |       |  |  |
|                                                                                                                                                                                                                                         |             |                   |                       | <b>A44WG5441-R001</b><br>ISSUE DATE 09/23/20 |                 |       |  |  |

|                         |                          |                      |                                  |
|-------------------------|--------------------------|----------------------|----------------------------------|
| REL S.O.                | RPM <b>3560</b>          | S.F. <b>1.15</b>     | ROTOR <b>418143013PE</b>         |
| FRAME <b>444TS</b>      | VOLTS <b>460</b>         | NEMA DESIGN <b>B</b> | TEST S.O. ---                    |
| HP <b>200</b>           | AMPS <b>232</b>          | CODE LETTER <b>E</b> | TEST DATE ---                    |
| TYPE <b>P</b>           | DUTY <b>CONT</b>         | ENCLOSURE <b>ODP</b> | STATOR RES. @ 25 °C <b>.0310</b> |
| PHASE/HERTZ <b>3/60</b> | AMB °C/INSUL <b>40/B</b> | E/S <b>-</b>         | 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 CD  
CK. BY T. KELATI  
APP. BY T. KELATI  
DATE 09/23/2015

**A-C MOTOR  
PERFORMANCE  
CURVES**

A44WG5441-R001  
ISSUE DATE 09/23/2015

