

**BALDOR • RELIANCE**

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# Customer information packet

## P14X3968

1.5HP, 1755RPM, 3PH, 60HZ, 145T, 3521M, XPFC, F

**Part detail**

|                     |            |
|---------------------|------------|
| <b>Revision</b>     | G          |
| <b>Type</b>         | AC         |
| <b>Mech. spec.</b>  | 35W448     |
| <b>Base</b>         |            |
| <b>Status</b>       | NLA/A      |
| <b>Elec. spec.</b>  | 35WGZ541   |
| <b>Layout</b>       | 35LYW448   |
| <b>Eff. date</b>    | 12-02-2020 |
| <b>CD Diagram</b>   | CD0005     |
| <b>Poles</b>        | 04         |
| <b>Leads</b>        | 9#18       |
| <b>Proprietary</b>  | True       |
| <b>Created date</b> | 06-29-2007 |

**Nameplate**

| <b>NP1263E</b>      |              |                       |      |            |   |           |   |     |  |  |
|---------------------|--------------|-----------------------|------|------------|---|-----------|---|-----|--|--|
| <b>CAT.NO.</b>      | P14X3968     |                       |      |            |   |           |   |     |  |  |
| <b>SPEC.</b>        | 35W448Z541H2 |                       |      |            |   |           |   |     |  |  |
| <b>HP</b>           | 1.5          |                       |      |            |   |           |   |     |  |  |
| <b>VOLTS</b>        | 208-230/460  |                       |      |            |   |           |   |     |  |  |
| <b>AMP</b>          | 5.1-4.8/2.4  |                       |      |            |   |           |   |     |  |  |
| <b>RPM</b>          | 1755         |                       |      |            |   |           |   |     |  |  |
| <b>FRAME</b>        | 145T         | <b>HZ</b>             | 60   | <b>PH</b>  | 3 |           |   |     |  |  |
| <b>SER.F.</b>       | 1.00         | <b>CODE</b>           | M    | <b>DES</b> | B | <b>CL</b> | F |     |  |  |
| <b>NEMA-NOM-EFF</b> | 84           | <b>PF</b>             | 70   |            |   |           |   |     |  |  |
| <b>RATING</b>       | 40C AMB-CONT |                       |      |            |   |           |   |     |  |  |
| <b>CC</b>           | 010A         | <b>USABLE AT 208V</b> |      |            |   |           |   | N/A |  |  |
| <b>DE</b>           | 6205         | <b>ODE</b>            | 6203 |            |   |           |   |     |  |  |
| <b>ENCL</b>         | XPFC         | <b>SN</b>             |      |            |   |           |   |     |  |  |

| <b>NP1763XP</b> |              |                |     |
|-----------------|--------------|----------------|-----|
| <b>XPNPCL1</b>  | I            | <b>XPNPGR1</b> | D   |
| <b>XPNPCL2</b>  | II           | <b>XPNPGR2</b> | F&G |
| <b>XPNPCL3</b>  | I            | <b>XPNPZN3</b> | I   |
| <b>XPNPGR3</b>  | IIA          |                |     |
| <b>BLANK</b>    | 75C RISE     |                |     |
| <b>XPNPTEMP</b> | T3C          |                |     |
| <b>NO.</b>      |              |                |     |
| <b>SPEC.</b>    | 35W448Z541H2 |                |     |

**AC Induction Motor Performance Data**

Record # 33318

Typical performance - not guaranteed values

| <b>Winding:</b> 35WGZ541-R013 |              | <b>Type:</b> 3522M         |  | <b>Enclosure:</b> XPFC       |          |
|-------------------------------|--------------|----------------------------|--|------------------------------|----------|
| <b>Nameplate Data</b>         |              |                            | <b>460 V, 60 Hz:<br/>High Voltage Connection</b> |                              |          |
| <b>Rated Output (HP)</b>      | 1.5          | <b>Full Load Torque</b>    | 4.42 LB-FT                                       |                              |          |
| <b>Volts</b>                  | 208-230/460  | <b>Start Configuration</b> | direct on line                                   |                              |          |
| <b>Full Load Amps</b>         | 5.1-4.8/2.4  | <b>Breakdown Torque</b>    | 19.8 LB-FT                                       |                              |          |
| <b>R.P.M.</b>                 | 1755         | <b>Pull-up Torque</b>      | 10.65 LB-FT                                      |                              |          |
| <b>Hz</b>                     | 60           | <b>Phase</b>               | 3  | <b>Locked-rotor Torque</b>   | 14 LB-FT |
| <b>NEMA Design Code</b>       | B            | <b>KVA Code</b>            | M  | <b>Starting Current</b>      | 19.38 A  |
| <b>Service Factor (S.F.)</b>  | 1            | <b>No-load Current</b>     | 1.59 A   |                              |          |
| <b>NEMA Nom. Eff.</b>         | 84           | <b>Power Factor</b>        | 70   | <b>Line-line Res. @ 25°C</b> | 9.72 Ω   |
| <b>Rating - Duty</b>          | 40C AMB-CONT |                            | <b>Temp. Rise @ Rated Load</b>                   | 55°C                         |          |
|                               |              |                            | <b>Locked-rotor Power Factor</b>                 | 53.6                         |          |
|                               |              |                            | <b>Rotor inertia</b>                             | 0.13 LB-FT <sup>2</sup>      |          |

**Load Characteristics 460 V, 60 Hz, 1.5 HP**

| <b>% of Rated Load</b> | <b>25</b> | <b>50</b> | <b>75</b> | <b>100</b> | <b>125</b> | <b>150</b> |
|------------------------|-----------|-----------|-----------|------------|------------|------------|
| <b>Power Factor</b>    | 30        | 48        | 62        | 70         | 77         | 80         |
| <b>Efficiency</b>      | 68.5      | 79.3      | 83.4      | 84.3       | 84.2       | 83.1       |
| <b>Speed</b>           | 1792      | 1783      | 1773      | 1762       | 1751       | 1737       |
| <b>Line amperes</b>    | 1.64      | 1.8       | 2.04      | 2.35       | 2.7        | 3.11       |

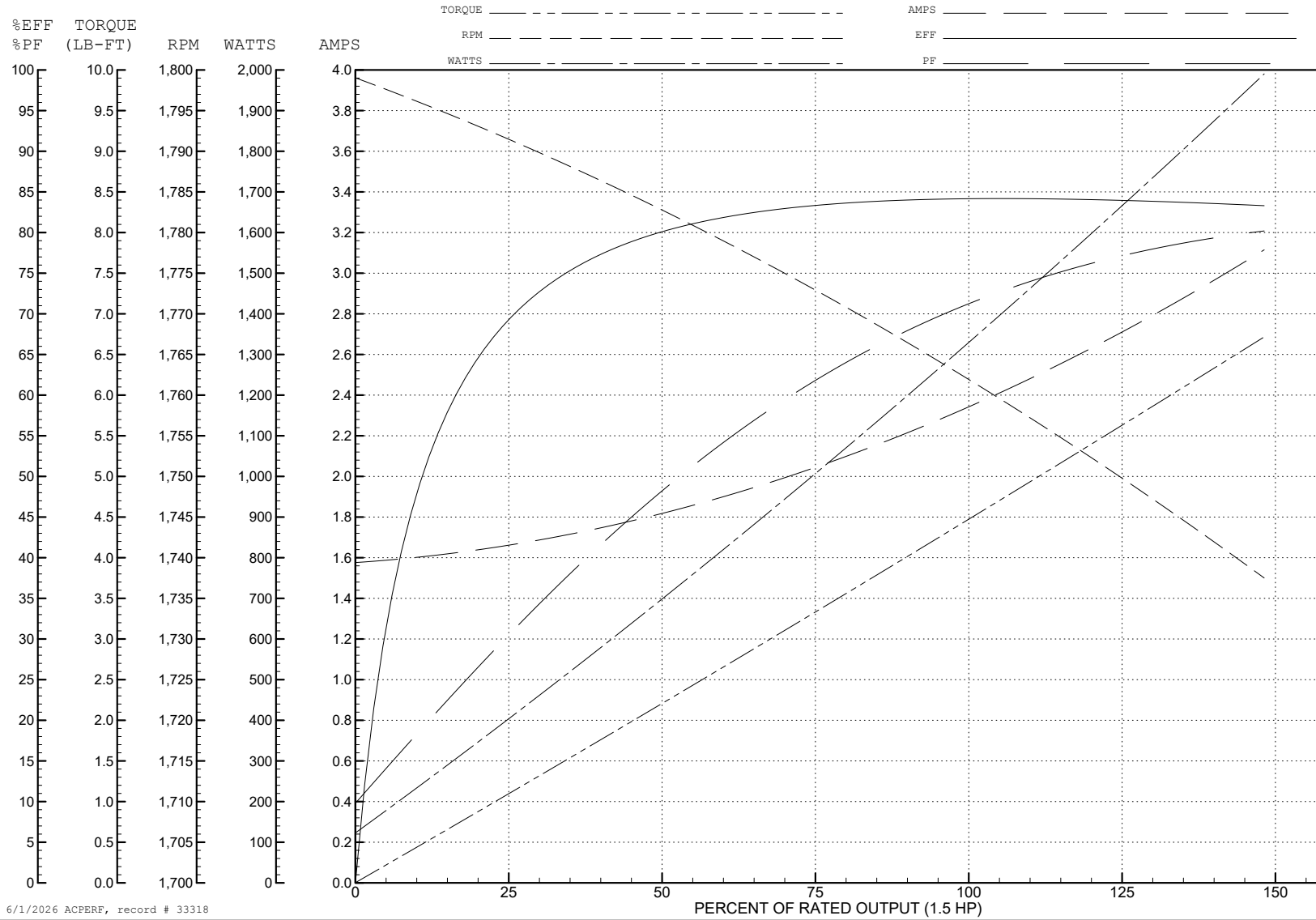
ABB Motors and Mechanical Inc.

WINDING # 35WGZ541

Typical performance - not guaranteed values.

1.5 HP 3 PH 60 HZ 1755 RPM 460 V 3522M

TORQUES (LB-FT): PO=19.8 PU=10.65 LR=14 LRA=19.38



6/1/2026 ACPERF, record # 33318