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# Customer information packet

## L3708T

5HP, 1750RPM, 1PH, 60HZ, 213T, 3726LC, TEFC, F1

Class - None

Division - Not Applicable

## Specifications

|                                |                                          |
|--------------------------------|------------------------------------------|
| Enclosure                      | TEFC                                     |
| Frame                          | 213T                                     |
| Frame Material                 | Steel                                    |
| Frequency                      | 60.00 Hz                                 |
| Haz Area Class and Group       | None                                     |
| Haz Area Division              | Not Applicable                           |
| Motor Letter Type              | Cap Start, Cap Run                       |
| Output @ Frequency             | 5.000 HP @ 60 HZ                         |
| Phase                          | 1                                        |
| Synchronous Speed @ Frequency  | 1800 RPM @ 60 HZ                         |
| Voltage @ Frequency            | 230.0 V @ 60 HZ                          |
| Agency Approvals               | CSA<br>UR                                |
| Ambient Temperature            | 40 °C                                    |
| Auxiliary Box                  | NO AUXILLARY BOX                         |
| Auxiliary Box Lead Termination | None                                     |
| Base Indicator                 | Rigid                                    |
| Bearing Grease Type            | Polyrex EM (-20F +300F)                  |
| Blower                         | None                                     |
| Current @ Voltage              | 22.000 A @ 208.0 V<br>20.500 A @ 230.0 V |
| Design Code                    | L                                        |
| Drip Cover                     | No Drip Cover                            |
| Duty Rating                    | CONT                                     |
| Efficiency @ 100% Load         | 84.0 %                                   |
| Electrically Isolated Bearing  | Not Electrically Isolated                |
| Feedback Device                | NO FEEDBACK                              |
| Front Face Code                | Standard                                 |
| Front Shaft Indicator          | None                                     |
| Heater Indicator               | No Heater                                |
| High Voltage Full Load Amps    | 20.5 a                                   |
| Insulation Class               | F                                        |

## Part detail

|              |                     |
|--------------|---------------------|
| Revision     | M                   |
| Type         | AC                  |
| Mech. spec.  | 37M326              |
| Base         |                     |
| Status       | PRD/A               |
| Elec. spec.  | 37WGT877            |
| Layout       | 37LYM326            |
| Eff. date    | 05-13-2024          |
| CD Diagram   | CD0086              |
| Poles        | 04                  |
| Leads        | 2#12 A PH,2#14 B PH |
| Proprietary  | False               |
| Created date | 02-11-2010          |

|                               |                       |
|-------------------------------|-----------------------|
| Inverter Code                 | Not Inverter          |
| KVA Code                      | H                     |
| Lifting Lugs                  | Standard Lifting Lugs |
| Locked Bearing Indicator      | No Locked Bearing     |
| Motor Lead Exit               | Ko Box                |
| Motor Lead Quantity/Wire Size | 2 @ 12 AWG, A PH      |
| Motor Lead Termination        | Flying Leads          |
| Motor Standards               | NEMA                  |
| Motor Type                    | 3726LC                |
| Mounting Arrangement          | F1                    |
| Number of Poles               | 4                     |
| Overall Length                | 19.02 IN              |
| Power Factor                  | 93                    |
| Product Family                | General Purpose       |
| Pulley End Bearing Type       | Ball                  |
| Pulley Face Code              | Standard              |
| Pulley Shaft Indicator        | Standard              |
| Rodent Screen                 | None                  |
| Service Factor                | 1.15                  |
| Shaft Diameter                | 1.375 IN              |
| Shaft Extension Location      | Pulley End            |
| Shaft Ground Indicator        | No Shaft Grounding    |
| Shaft Rotation                | Reversible            |
| Shaft Slinger Indicator       | No Slinger            |
| Speed                         | 1750 rpm              |
| Speed Code                    | Single Speed          |
| Starting Method               | Direct on line        |
| Thermal Device - Bearing      | None                  |
| Thermal Device - Winding      | None                  |
| Vibration Sensor Indicator    | No Vibration Sensor   |
| Winding Thermal 1             | None                  |
| Winding Thermal 2             | None                  |

## Nameplate

| NP1256L      |              |      |     |      |   |       |    |   |  |
|--------------|--------------|------|-----|------|---|-------|----|---|--|
| CAT.NO.      | L3708T       |      |     |      |   |       |    |   |  |
| SPEC.        | 37M326T877   |      |     |      |   |       |    |   |  |
| HP           | 5            |      |     |      |   |       |    |   |  |
| VOLTS        | 230          |      |     |      |   |       |    |   |  |
| AMP          | 20.5         |      |     |      |   |       |    |   |  |
| RPM          | 1750         |      |     |      |   |       |    |   |  |
| FRAME        | 213T         |      | HZ  | 60   |   |       | PH | 1 |  |
| SER.F.       | 1.15         | CODE | H   | DES  | L | CLASS |    | F |  |
| NEMA-NOM-EFF | 84           | PF   | 93  |      |   |       |    |   |  |
| RATING       | 40C AMB-CONT |      |     |      |   |       |    |   |  |
| CC           |              |      |     |      |   |       |    |   |  |
| DE           | 6307         |      | ODE | 6206 |   |       |    |   |  |
| ENCL         | TEFC         | SN   |     |      |   |       |    |   |  |
|              |              |      |     |      |   |       |    |   |  |

**Accessories**

| Part number | Description | Multiplier |
|-------------|-------------|------------|
| 37-3301     | C FACE KIT  | P1         |

## AC Induction Motor Performance Data

Record # 37143

Typical performance - not guaranteed values

| Winding: 37WGT877-R001 |    |              |              | Type: 3726LC                          |                       | Enclosure: TEFC |                            |
|------------------------|----|--------------|--------------|---------------------------------------|-----------------------|-----------------|----------------------------|
| Nameplate Data         |    |              |              | 230 V, 60 Hz:<br>Single Voltage Motor |                       |                 |                            |
| Rated Output (HP)      |    | 5            |              | Full Load Torque                      |                       | 15 LB-FT        |                            |
| Volts                  |    | 230          |              | Start Configuration                   |                       | direct on line  |                            |
| Full Load Amps         |    | 20.5         |              | Breakdown Torque                      |                       | 40.3 LB-FT      |                            |
| R.P.M.                 |    | 1750         |              | Pull-up Torque                        |                       | 32 LB-FT        |                            |
| Hz                     | 60 | Phase        | 1            | Locked-rotor Torque                   |                       | 46.2 LB-FT      |                            |
| NEMA Design Code       |    | L            | KVA Code     | H                                     | Starting Current      |                 | 137 A                      |
| Service Factor (S.F.)  |    | 1.15         |              | No-load Current                       |                       | 6.82 A          |                            |
| NEMA Nom. Eff.         |    | 84           | Power Factor | 93                                    | Line-line Res. @ 25°C |                 | 0.386 Ω A Ph<br>1.1 Ω B Ph |
| Rating - Duty          |    | 40C AMB-CONT |              | Temp. Rise @ Rated Load               |                       | 68°C            |                            |
| S.F. Amps              |    |              |              | Temp. Rise @ S.F. Load                |                       | 79°C            |                            |

## Load Characteristics 230 V, 60 Hz, 5 HP

| % of Rated Load | 25   | 50   | 75   | 100  | 125  | 150  | S.F. |
|-----------------|------|------|------|------|------|------|------|
| Power Factor    | 73   | 86   | 91   | 93   | 93   | 94   | 93   |
| Efficiency      | 67   | 81.1 | 84.3 | 84.8 | 84.1 | 80.7 | 84.4 |
| Speed           | 1788 | 1776 | 1764 | 1749 | 1731 | 1711 | 1738 |
| Line amperes    | 8.48 | 11.7 | 15.8 | 20.5 | 25.9 | 32.2 | 23.7 |

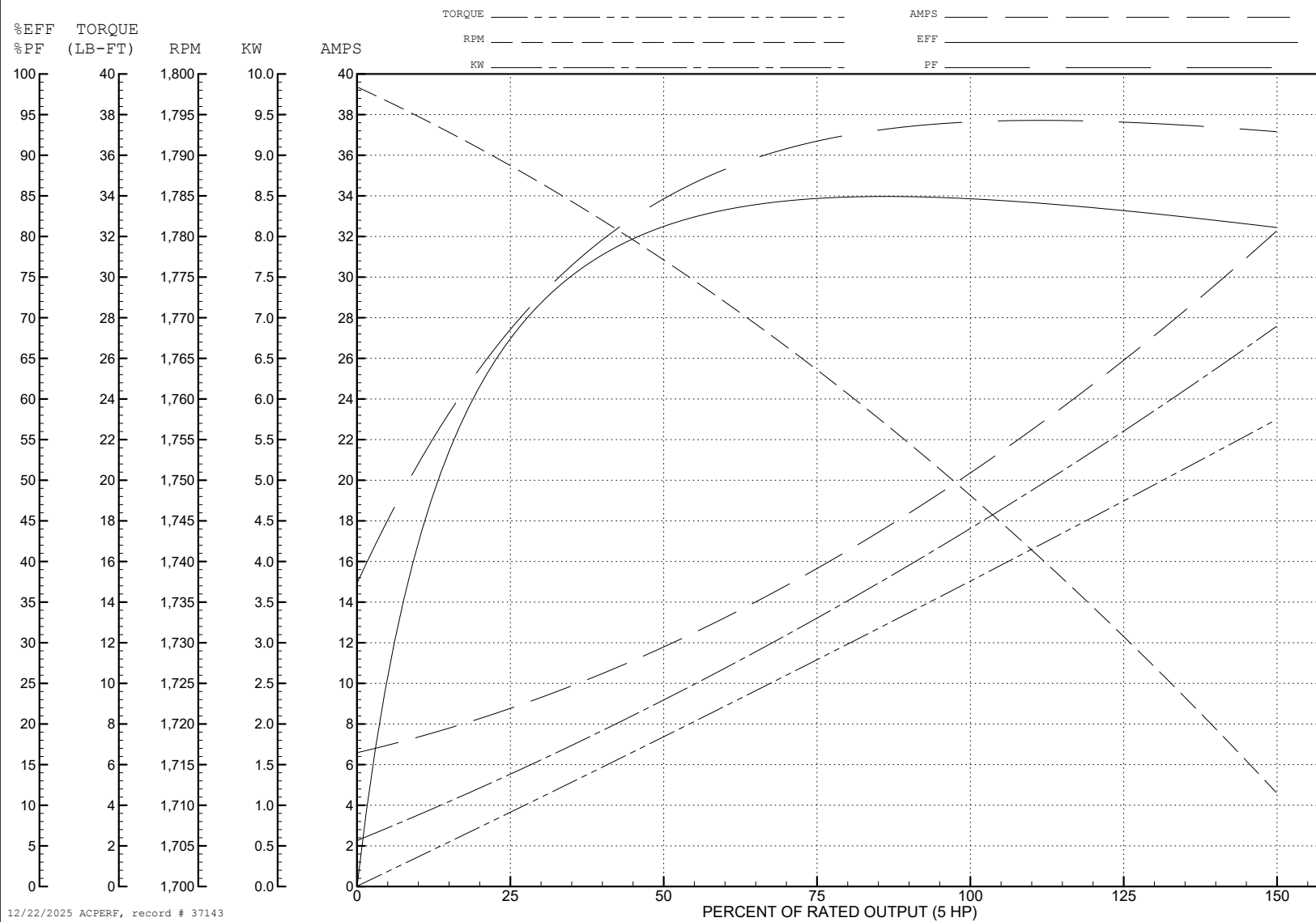
ABB Motors and Mechanical Inc.

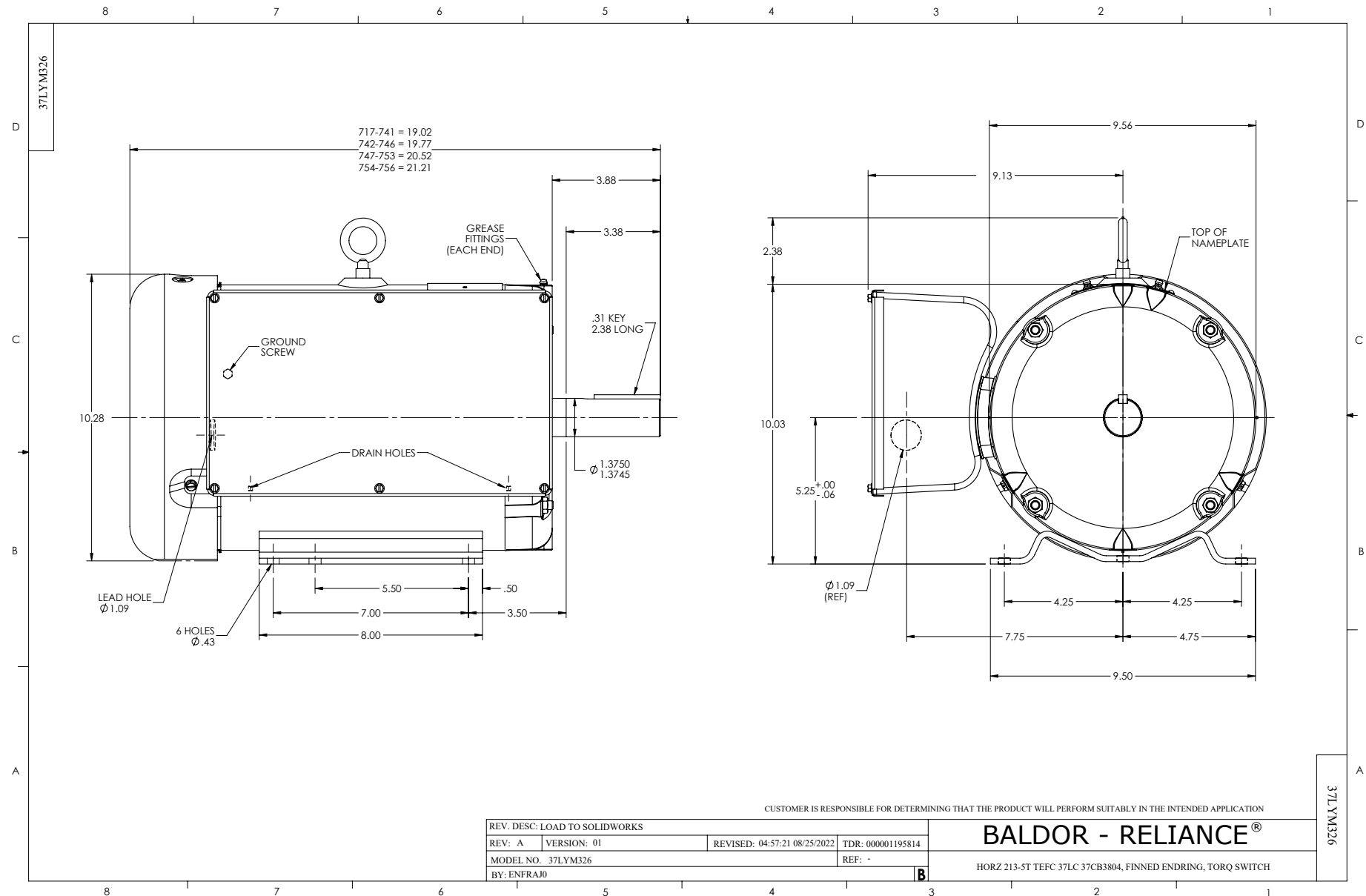
WINDING # 37WGT877

Typical performance - not guaranteed values.

5 HP 1 PH 60 HZ 1750 RPM 230 V 3726LC

TORQUES (LB-FT): PO=40.3 PU=32 LR=46.2 LRA=137





CD0086

