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# Customer information packet

## ECS101M5H5DB4

5HP, 1800RPM, 3PH, 60HZ, 145TC, 3548B, TEFC, F1

Class - None

Division - Not Applicable

## Specifications

|                                |                                |
|--------------------------------|--------------------------------|
| Enclosure                      | TEFC                           |
| Frame                          | 145TC                          |
| Frame Material                 | Steel                          |
| Frequency                      | 60.00 Hz                       |
| Haz Area Class and Group       | None                           |
| Haz Area Division              | Not Applicable                 |
| Motor Letter Type              | Brushless Wound Field PM Rotor |
| Output @ Frequency             | 5.000 HP @ 60 HZ               |
| Phase                          | 3                              |
| Synchronous Speed @ Frequency  | 1800 RPM @ 60 HZ               |
| Voltage @ Frequency            | 575.0 V @ 60 HZ                |
| Agency Approvals               | WEEE<br>CULUS                  |
| 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                           |
| Constant Torque Speed Range    | 6                              |
| Current @ Voltage              | 4.090 A @ 575.0 V              |
| Design Code                    | -                              |
| Drip Cover                     | No Drip Cover                  |
| Duty Rating                    | CONT                           |
| Efficiency @ 100% Load         | 91.7 %                         |
| Electrically Isolated Bearing  | Not Electrically Isolated      |
| Feedback Device                | NO FEEDBACK                    |
| Heater Indicator               | No Heater                      |
| High Voltage Full Load Amps    | 4.1 a                          |
| Insulation Class               | H                              |
| Inverter Code                  | Inverter Duty                  |
| KVA Code                       | -                              |

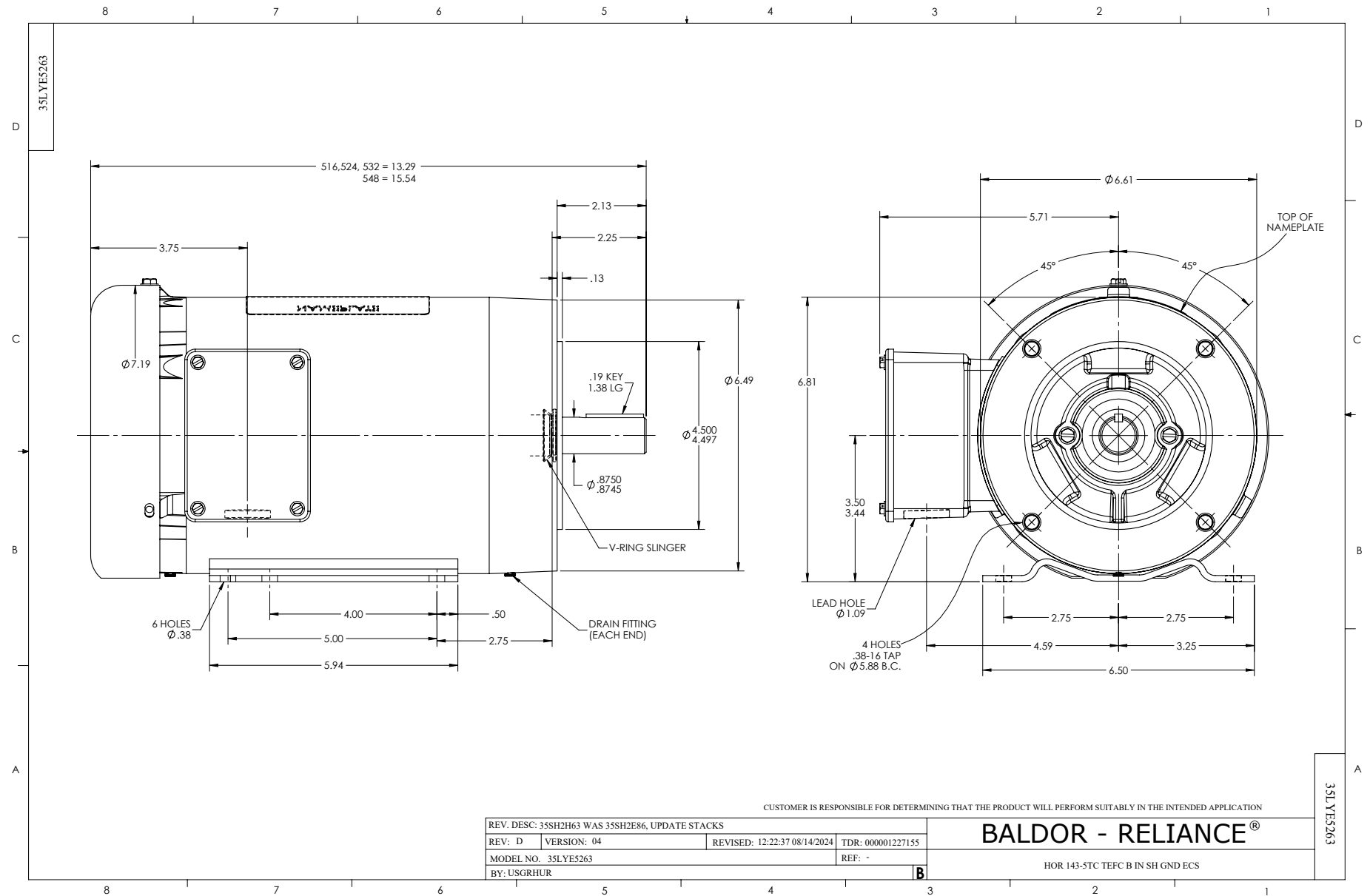
## Part detail

|              |            |
|--------------|------------|
| Revision     | C          |
| Type         | AC         |
| Mech. spec.  | 35E5263    |
| Base         |            |
| Status       | PRD/A      |
| Elec. spec.  | 35WGG985   |
| Layout       | 35LYE5263  |
| Eff. date    | 11-27-2024 |
| CD Diagram   | CD0006B03  |
| Poles        | 04         |
| Leads        | 3#14       |
| Proprietary  | False      |
| Created date | 03-15-2024 |

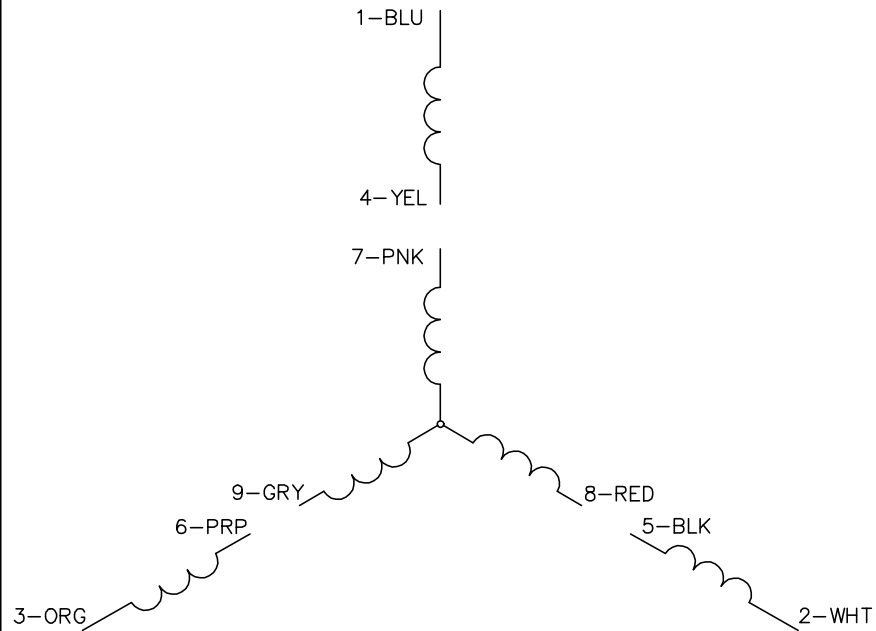
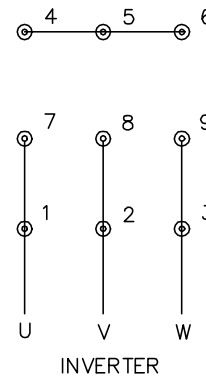
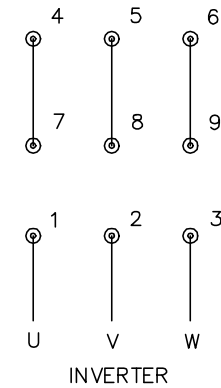
|                               |                     |
|-------------------------------|---------------------|
| Lifting Lugs                  | No Lifting Lugs     |
| Locked Bearing Indicator      | Locked Bearing      |
| Motor Lead Quantity/Wire Size | 3 @ 14 AWG          |
| Motor Lead Termination        | Flying Leads        |
| Motor Standards               | NEMA                |
| Motor Type                    | 3548B               |
| Mounting Arrangement          | F1                  |
| Number of Poles               | 4                   |
| Overall Length                | 14.17 IN            |
| Power Factor                  | 97                  |
| Product Family                | General Purpose     |
| Pulley Face Code              | C-Face              |
| Rodent Screen                 | None                |
| RoHS Status                   | Y                   |
| Service Factor                | 1.15                |
| Shaft Diameter                | 0.875 IN            |
| Shaft Ground Indicator        | Shaft Grounding     |
| Shaft Rotation                | Reversible          |
| Speed                         | 1800 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

| NP3968A01A01 |                  |    |         |           |       |      |      |     |      |
|--------------|------------------|----|---------|-----------|-------|------|------|-----|------|
| CAT.NO.      | ECS101M5H5DB4    |    |         |           |       |      |      |     |      |
| SPEC.        | 35E5263G985      |    |         |           |       |      |      |     |      |
| FRAME        | 145TC            |    |         | ENCL.     |       | TEFC |      | IP  | 54   |
| HP           | 5                |    | 40      | C AMB     |       |      | CONT |     |      |
| NOM. EFF.    | 93.0             |    | PF      | 97        |       | SF   |      | 1.4 |      |
| VOLTS        | 575              |    |         | FLA       |       | 4.2  |      |     |      |
| RPM          | 1800             |    | RPM-MAX |           |       | 4000 |      |     |      |
| HZ           | 60               |    | PH.     | 3         | CLASS |      | H    |     |      |
| BEMF (V)     | 312              |    |         | RS (OHMS) |       |      |      |     | 3.64 |
| LD (MH)      | 51               |    |         | LQ (MH)   |       |      |      |     | 141  |
| VPWM         | CHP              | 60 | TO      |           | 133.3 |      |      |     |      |
| CT           | 6                | TO | 60      |           | VT    | 6    | TO   | 60  |      |
| MATCHED INV  | ACS580-01-06A1-6 |    |         |           |       |      |      |     |      |
| DE           | 6205             |    |         | ODE       |       | 6203 |      |     |      |
| SERIAL #     |                  |    |         |           |       |      |      |     |      |



CD0005A25

LOW VOLTAGE  
(2Y)HIGH VOLTAGE  
(1Y)

## NOTES:

1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
2. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY BE A MULTIPLE OF THOSE SHOWN ABOVE.
3. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

|                      |                              |                   |
|----------------------|------------------------------|-------------------|
| REV. DESC: NEW       |                              |                   |
| REV. LTR: -          | VERSION: 00                  | TDR: 000001135746 |
| FILE: \AAA\00253\082 | REVISED: 01:10:57 03/30/2020 | BY: ENMARSO       |
| MTL: -               | © □                          |                   |

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3PH, DV, 9 LEADS, ECS  
SH 1 of 1

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