

# **BALDOR® • RELIANCE**

## **Product Information Packet**

### **CDP3326**

**.5HP,1750RPM,DC,56C,3336P,TENV,F1**

| Part Detail |      |             |       |                |          |               |            |
|-------------|------|-------------|-------|----------------|----------|---------------|------------|
| Revision:   | Z    | Status:     | PRD/A | Change #:      |          | Proprietary:  | No         |
| Type:       | DC   | Prod. Type: | 3336P | Elec. Spec:    | 33WGZ139 | CD Diagram:   | CD0194     |
| Enclosure:  | TENV | Mfg Plant:  |       | Mech. Spec:    | 33-2051  | Layout:       | 33LY2051   |
| Frame:      | 56C  | Mounting:   | F1    | Poles:         | 00       | Created Date: |            |
| Base:       | RG   | Rotation:   | R     | Insulation:    | F        | Eff. Date:    | 11-21-2016 |
| Field Type: |      | Literature: |       | Elec. Diagram: |          | Replaced By:  |            |

| Specs                          |                         |  |  |
|--------------------------------|-------------------------|--|--|
| Enclosure:                     | TENV                    |  |  |
| Frame:                         | 56C                     |  |  |
| Frame Material:                | Steel                   |  |  |
| Agency Approvals:              | CE                      |  |  |
|                                | CSA                     |  |  |
|                                | UR                      |  |  |
| Base Indicator:                | Rigid                   |  |  |
| Bearing Grease Type:           | Polyrex EM (-20F +300F) |  |  |
| Drip Cover:                    | No Drip Cover           |  |  |
| Duty Rating:                   | CONT                    |  |  |
| Feedback Device:               | NO FEEDBACK             |  |  |
| Heater Indicator:              | No Heater               |  |  |
| Insulation Class:              | F                       |  |  |
| Lifting Lugs:                  | No Lifting Lugs         |  |  |
| Motor Lead Quantity/Wire Size: | 2 @ 18 AWG, A           |  |  |
| Motor Lead Exit:               | Ko Box                  |  |  |

|                                  |                    |  |  |
|----------------------------------|--------------------|--|--|
| <b>Motor Lead Termination:</b>   | Flying Leads       |  |  |
| <b>Mounting Arrangement:</b>     | F1                 |  |  |
| <b>Product Family:</b>           | General Purpose    |  |  |
| <b>Pulley End Bearing Type:</b>  | Sealed Bearing     |  |  |
| <b>RoHS Status:</b>              | ROHS COMPLIANT     |  |  |
| <b>Shaft Extension Location:</b> | Pulley End         |  |  |
| <b>Shaft Ground Indicator:</b>   | No Shaft Grounding |  |  |
| <b>Shaft Rotation:</b>           | Reversible         |  |  |
| <b>Shaft Slinger Indicator:</b>  | No Slinger         |  |  |
| <b>Motor Standards:</b>          | NEMA               |  |  |

## Nameplate NP0891L

|         |              |          |       |
|---------|--------------|----------|-------|
| CAT.NO. | CDP3326      |          |       |
| SPEC.   | 33-2051Z139  |          |       |
| HP      | .5           | ENCL     | TENV  |
| RPM     | 1750         |          |       |
| FRAME   | 56C          | TYPE     | 3336P |
| ARM V   | 180          | ARM A    | 2.5   |
| FLD V   |              | FLD A    |       |
| INSUL   | F            | AMB.     | 40    |
| DUTY    | CONT         | SUPPLY   | 1.3   |
| BRG/DE  | 6203         | BRG/ODE  | 6203  |
| BRUSHES | 2/BP5011CV01 |          |       |
|         |              | BLANK    |       |
| SER.    |              |          |       |
| BLANK   | IP44         |          |       |
| APRV-CE | Y            | APRV-CSA | Y     |
|         |              | APRV-UL  | Y     |

**DC Motor Performance Data**

Record # 2018 - Typical performance - not guaranteed values

|                               |                    |                        |
|-------------------------------|--------------------|------------------------|
| <b>Winding:</b> 33WGZ139-R010 | <b>Type:</b> 3336P | <b>Enclosure:</b> TENV |
|-------------------------------|--------------------|------------------------|

| Nameplate Data    |              | General Characteristics       |                        |
|-------------------|--------------|-------------------------------|------------------------|
| Rated Output (HP) | 0.5          | Armature Resistance<br>@ 25°C | 3.08 Ω                 |
| R.P.M.            | 1750         |                               |                        |
| Armature Volts    | 180          | Voltage Constant              | 95.88 v/krpm           |
| Armature Amps     | 2.5          |                               |                        |
| Field Volts       |              | Armature Inductance           | 28.39697 mH            |
| Field Amps        |              | Armature Inertia              | 8.4241 LI <sup>2</sup> |
| Rating - Duty     | 40C AMB-CONT |                               |                        |
| Form Factor       | 1.3          |                               |                        |
|                   |              |                               |                        |

**Load Characteristics at 180 Armature Volts**

| Load Point       | 1    | 2     | 3     | 4     | 5     | 6     | 7     |
|------------------|------|-------|-------|-------|-------|-------|-------|
| Armature Amps    | 0.15 | 0.65  | 1.2   | 1.7   | 2.2   | 2.7   | 3.2   |
| R.P.M.           | 1880 | 1848  | 1831  | 1803  | 1781  | 1762  | 1745  |
| Torque ( LB-FT ) | 0    | 0.365 | 0.752 | 1.117 | 1.504 | 1.869 | 2.234 |

Performance Graph at 180.0 Arm V, 0.5HP Typical performance - Not guaranteed values





