



---

# Customer information packet

## EM2333T-8

15HP, 1765RPM, 3PH, 60HZ, 254T, 0944M, TEFC, F1

Class - None

Division - Not Applicable

## Specifications

|                                |                                          |
|--------------------------------|------------------------------------------|
| Enclosure                      | TEFC                                     |
| Frame                          | 254T                                     |
| Frame Material                 | Iron                                     |
| Frequency                      | 60.00 Hz                                 |
| Haz Area Class and Group       | None                                     |
| Haz Area Division              | Not Applicable                           |
| Motor Letter Type              | Three Phase                              |
| Output @ Frequency             | 15.000 HP @ 60 HZ                        |
| Phase                          | 3                                        |
| Synchronous Speed @ Frequency  | 1800 RPM @ 60 HZ                         |
| Voltage @ Frequency            | 200.0 V @ 60 HZ                          |
| Agency Approvals               | CURUSEEV<br>NEMA PREMIUM                 |
| Ambient Temperature            | 40 °C                                    |
| Auxillary Box                  | No Auxillary Box                         |
| Auxillary Box Lead Termination | None                                     |
| Base Indicator                 | Rigid                                    |
| Bearing Grease Type            | Polyrex EM (-20F +300F)                  |
| Blower                         | None                                     |
| Current @ Voltage              | 42.000 A @ 200.0 V<br>41.000 A @ 208.0 V |
| Design Code                    | A                                        |
| Drip Cover                     | No Drip Cover                            |
| Duty Rating                    | CONT                                     |
| Efficiency @ 100% Load         | 92.4 %                                   |
| 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    | 42.0 a                                   |
| Insulation Class               | F                                        |

## Part detail

|              |            |
|--------------|------------|
| Revision     | AC         |
| Type         | AC         |
| Mech. spec.  | 09P11      |
| Base         |            |
| Status       | PRD/A      |
| Elec. spec.  | 09WGT040   |
| Layout       | 09LYP011   |
| Eff. date    | 11-14-2023 |
| CD Diagram   | CD0006     |
| Poles        | 04         |
| Leads        | 3#8        |
| Proprietary  | False      |
| Created date | 04-22-2016 |

|                                      |                              |
|--------------------------------------|------------------------------|
| <b>Inverter Code</b>                 | <b>Inverter Ready</b>        |
| <b>KVA Code</b>                      | <b>H</b>                     |
| <b>Lifting Lugs</b>                  | <b>Standard Lifting Lugs</b> |
| <b>Locked Bearing Indicator</b>      | <b>Locked Bearing</b>        |
| <b>Motor Lead Exit</b>               | <b>Ko Box</b>                |
| <b>Motor Lead Quantity/Wire Size</b> | <b>3 @ 8 AWG</b>             |
| <b>Motor Lead Termination</b>        | <b>Flying Leads</b>          |
| <b>Motor Standards</b>               | <b>NEMA</b>                  |
| <b>Motor Type</b>                    | <b>0944M</b>                 |
| <b>Mounting Arrangement</b>          | <b>F1</b>                    |
| <b>Number of Poles</b>               | <b>4</b>                     |
| <b>Overall Length</b>                | <b>23.36 IN</b>              |
| <b>Power Factor</b>                  | <b>83</b>                    |
| <b>Product Family</b>                | <b>General Purpose</b>       |
| <b>Pulley End Bearing Type</b>       | <b>Ball</b>                  |
| <b>Pulley Face Code</b>              | <b>Standard</b>              |
| <b>Pulley Shaft Indicator</b>        | <b>Standard</b>              |
| <b>Rodent Screen</b>                 | <b>None</b>                  |
| <b>Service Factor</b>                | <b>1.15</b>                  |
| <b>Shaft Diameter</b>                | <b>1.625 IN</b>              |
| <b>Shaft Extension Location</b>      | <b>Pulley End</b>            |
| <b>Shaft Ground Indicator</b>        | <b>No Shaft Grounding</b>    |
| <b>Shaft Rotation</b>                | <b>Reversible</b>            |
| <b>Shaft Slinger Indicator</b>       | <b>Shaft Slinger</b>         |
| <b>Speed</b>                         | <b>1765 rpm</b>              |
| <b>Speed Code</b>                    | <b>Single Speed</b>          |
| <b>Starting Method</b>               | <b>Direct on line</b>        |
| <b>Thermal Device - Bearing</b>      | <b>None</b>                  |
| <b>Thermal Device - Winding</b>      | <b>None</b>                  |
| <b>Vibration Sensor Indicator</b>    | <b>No Vibration Sensor</b>   |
| <b>Winding Thermal 1</b>             | <b>None</b>                  |
| <b>Winding Thermal 2</b>             | <b>None</b>                  |

## Nameplate

| NP1259L      |              |      |     |      |   |    |    |   |  |  |  |
|--------------|--------------|------|-----|------|---|----|----|---|--|--|--|
| CAT.NO.      | EM2333T-8    |      |     |      |   |    |    |   |  |  |  |
| SPEC.        | 09P011T040   |      |     |      |   |    |    |   |  |  |  |
| HP           | 15           |      |     |      |   |    |    |   |  |  |  |
| VOLTS        | 200          |      |     |      |   |    |    |   |  |  |  |
| AMP          | 42           |      |     |      |   |    |    |   |  |  |  |
| RPM          | 1765         |      |     |      |   |    |    |   |  |  |  |
| FRAME        | 254T         |      | HZ  | 60   |   |    | PH | 3 |  |  |  |
| SER.F.       | 1.15         | CODE | H   | DES  | A | CL | F  |   |  |  |  |
| NEMA-NOM-EFF | 92.4         | PF   | 83  |      |   |    |    |   |  |  |  |
| RATING       | 40C AMB-CONT |      |     |      |   |    |    |   |  |  |  |
| CC           | 010A         |      |     |      |   |    |    |   |  |  |  |
| DE           | 6309         |      | ODE | 6208 |   |    |    |   |  |  |  |
| ENCL         | TEFC         | SN   |     |      |   |    |    |   |  |  |  |
|              |              |      |     |      |   |    |    |   |  |  |  |

**Accessories**

| Part number | Description | Multiplier |
|-------------|-------------|------------|
| 09-1309     | C FACE KIT  | A8         |

**AC Induction Motor Performance Data**

Record # 44482

Typical performance - not guaranteed values

| Winding: 09WGT040-R001 |  |              |  | Type: 0944M                           |  | Enclosure: TEFC |  |
|------------------------|--|--------------|--|---------------------------------------|--|-----------------|--|
| Nameplate Data         |  |              |  | 200 V, 60 Hz:<br>Single Voltage Motor |  |                 |  |
| Rated Output (HP)      |  | 15           |  | Full Load Torque                      |  | 44.5 LB-FT      |  |
| Volts                  |  | 200          |  | Start Configuration                   |  | direct on line  |  |
| Full Load Amps         |  | 42           |  | Breakdown Torque                      |  | 151 LB-FT       |  |
| R.P.M.                 |  | 1765         |  | Pull-up Torque                        |  | 68.4 LB-FT      |  |
| Hz                     |  | 60           |  | Phase                                 |  | 3               |  |
| NEMA Design Code       |  | A            |  | KVA Code                              |  | H               |  |
| Service Factor (S.F.)  |  | 1.15         |  | No-load Current                       |  | 288 A           |  |
| NEMA Nom. Eff.         |  | 92.4         |  | Power Factor                          |  | 83              |  |
| Rating - Duty          |  | 40C AMB-CONT |  | Temp. Rise @ Rated Load               |  | 55°C            |  |
| S.F. Amps              |  |              |  | Temp. Rise @ S.F. Load                |  | 66°C            |  |
|                        |  |              |  | Locked-rotor Power Factor             |  | 33              |  |
|                        |  |              |  | Rotor inertia                         |  | 1.92 LB-FT2     |  |

**Load Characteristics 200 V, 60 Hz, 15 HP**

| % of Rated Load | 25   | 50   | 75   | 100  | 125  | 150  | S.F. |
|-----------------|------|------|------|------|------|------|------|
| Power Factor    | 46   | 70   | 79   | 84   | 85   | 87   | 85   |
| Efficiency      | 88.2 | 92.3 | 92.6 | 92.4 | 91.4 | 90.3 | 91.8 |
| Speed           | 1791 | 1783 | 1774 | 1765 | 1754 | 1742 | 1758 |
| Line amperes    | 19.5 | 25.1 | 33.2 | 41.7 | 51.9 | 61.9 | 47.8 |

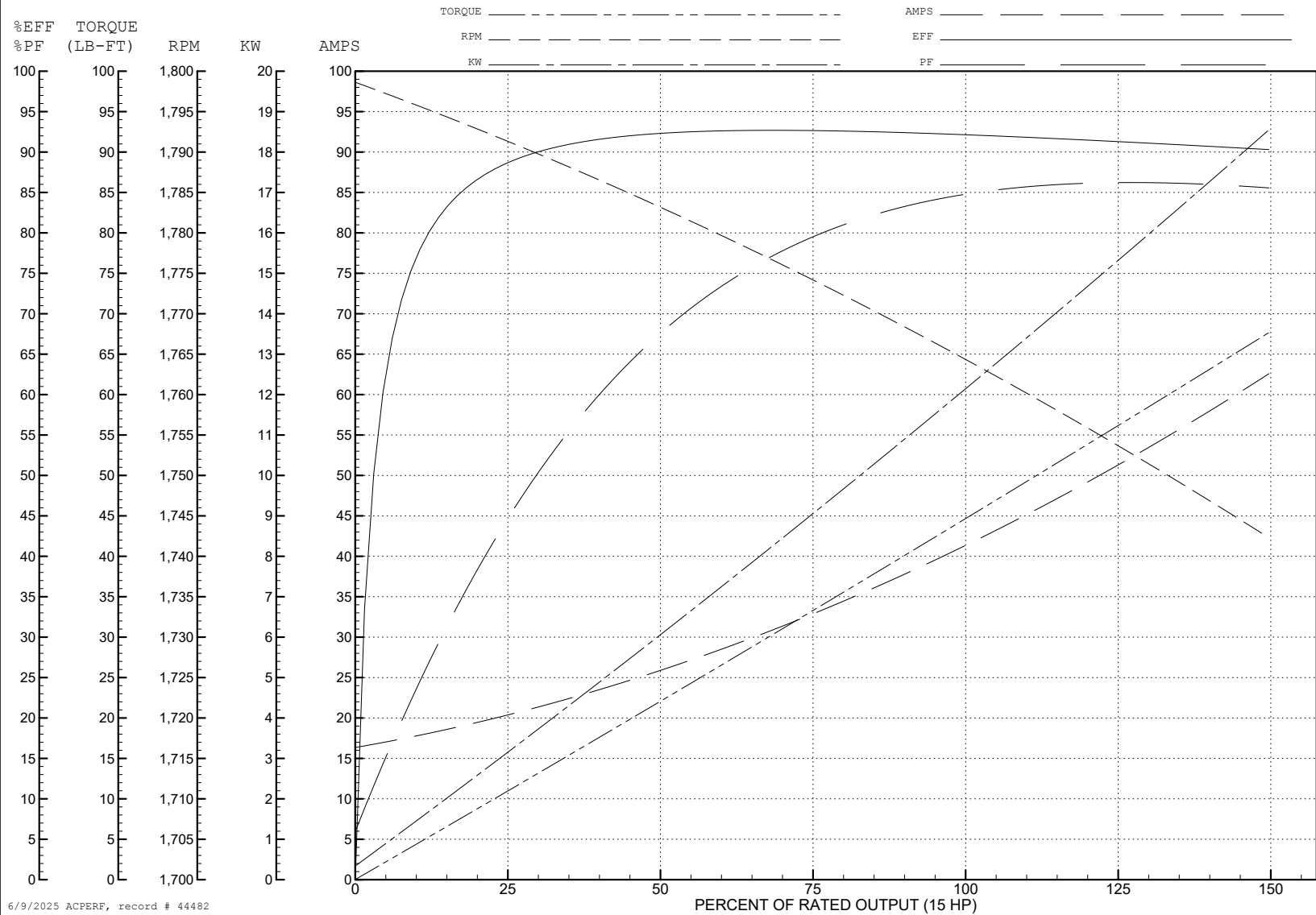
ABB Motors and Mechanical Inc.

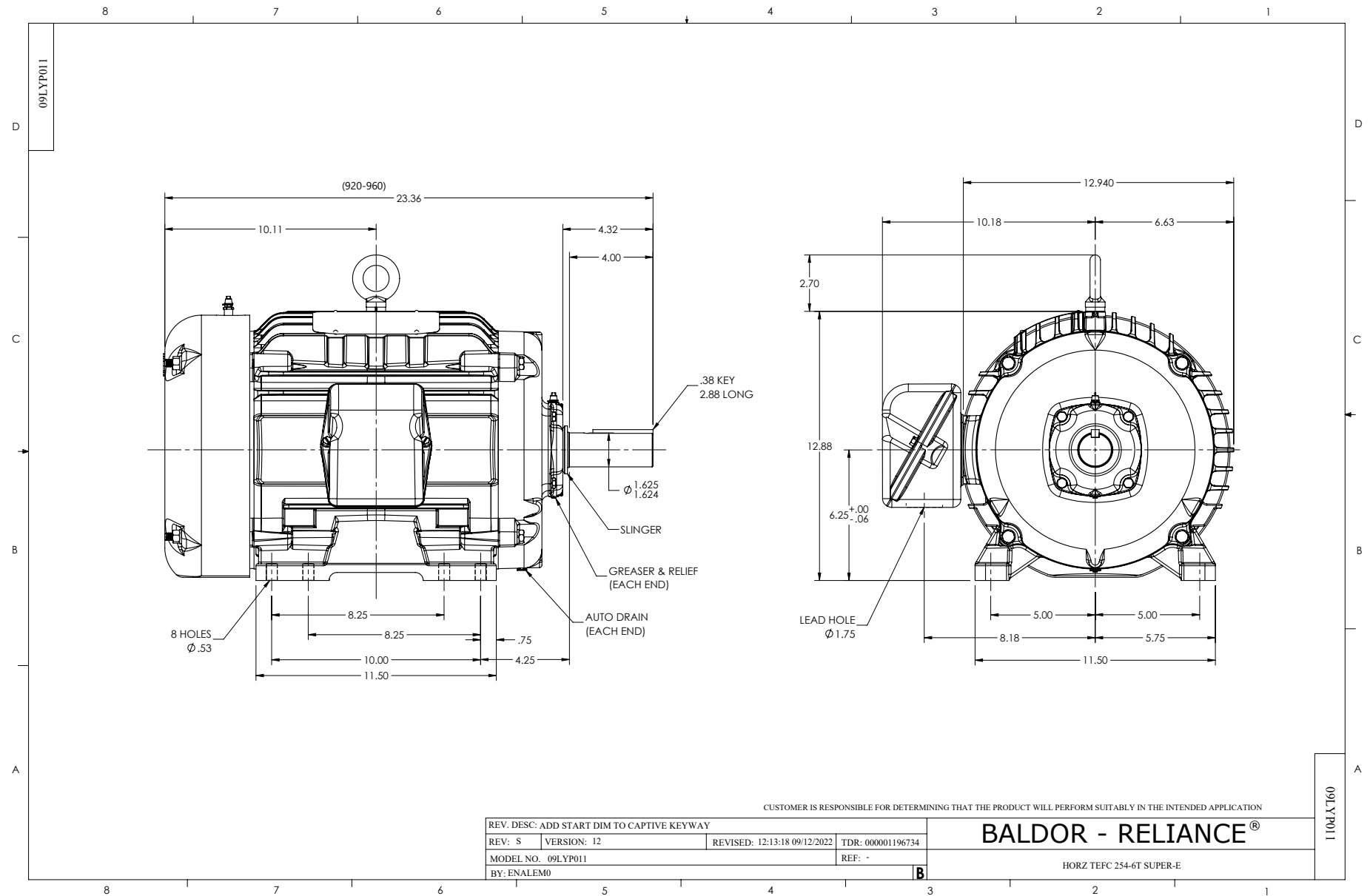
WINDING # 09WGT040

Typical performance - not guaranteed values.

15 HP 3 PH 60 HZ 1765 RPM 200 V 0944M

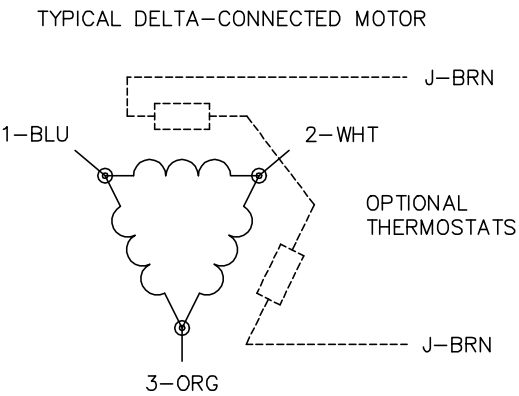
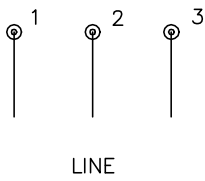
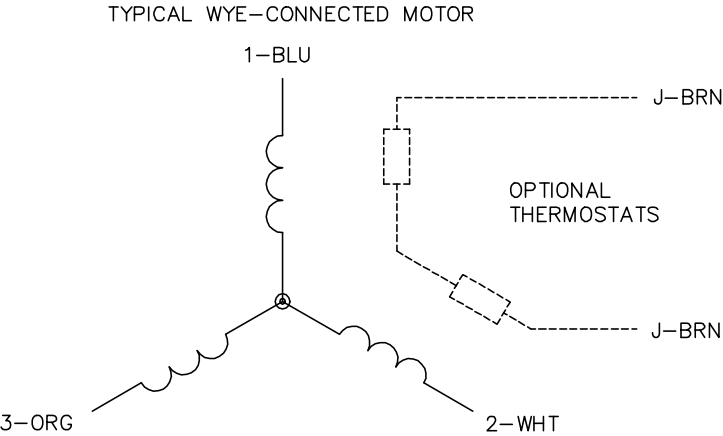
TORQUES (LB-FT): PO=151 PU=68.4 LR=85.2 LRA=288







CD0006



- NOTES:
- 1. THREE LEAD MOTOR MAY BE EITHER WYE CONNECTED OR DELTA CONNECTED.
  - 2. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
  - 3. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
  - 4. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY VARY.
  - 5. LEAD COLORS ARE OPTIONAL. LEADS MUST BE NUMBERED AS SHOWN.

CD0006

|                                   |                                |                   |
|-----------------------------------|--------------------------------|-------------------|
| REV. DESC: ADD CLASS CONN00000007 |                                |                   |
| REV. LTR: E                       | VERSION: 01                    | TDR: 000001099922 |
| FILE: \AAA\00005\141              | REVISED: 10: 24: 49 02/19/2019 | BY: ENBRIRO       |
| MTL: —                            |                                |                   |

BALDOR - RELIANCE®

3PH, SV, 3 LEADS, WYE OR DELTA CONNECTED

SH 1 of 1