

# Model LM180T150: 1.5 HP 180VDC Electrical Specifications

Information shown is for current motor's design

## Engineering Data

|           |                  |                  |
|-----------|------------------|------------------|
| RPM 1750  | HP 1.5           | Serv. Factor 1.0 |
| KW        | Form Factor 1.38 | Amps 7.6         |
| KW2       | Form Factor 2    | FLA2             |
| Volts 180 | Frame 56C        |                  |

|                                 |                  |                        |
|---------------------------------|------------------|------------------------|
| Max Amb 40                      | Duty CONT        | TYPE DF                |
| Insul Class H                   | Enclosure TEFC   | Bearing OPE 6203       |
| Protection NOT                  | Protector        | Bearing PE 6203        |
| EFF 86.5%                       | Torque 54 LB-IN  |                        |
| UL Yes                          | CSA Yes          | CE No                  |
| Motor Wt. 56 LB                 | Nameplate 081259 | Lubrication POLYREX EM |
| Carton Label Leeson Gen Purpose |                  |                        |

|                |                       |                        |
|----------------|-----------------------|------------------------|
| Assembly       | Mounting C-Face Rigid | Rotation RECONN        |
| Winding D56275 | Ext. Diag.            | Ext. Diag2             |
| GROUP 1 A      | Shaft Dia. 5/8 IN     | Packaging PG659401.04Z |
| Sub Group A    | Paint 305000.01       |                        |
| Test Card 01   | Outline 031879        | Cust Part No           |

## Performance

|                      |  |
|----------------------|--|
| Torque UOM 775 LB-IN | Inertia (WK <sup>2</sup> ) 20.8 LB-IN <sup>2</sup> |
| Torque 0             | 54 108   |
| CURRENT (amps) .5    | 7.1 13.7   |
| Efficiency (%) 0     | .865 .827  |
| PowerFactor          |  |

## Load Curve Data

| Output Pwr (HP) | RPM  | AMP  | Torque (LB-IN) | Eff  | Watts | Watts Loss | Volts |
|-----------------|------|------|----------------|------|-------|------------|-------|
| 0               | 1853 | .5   | 0              | 0    | 0     | 84         | 180   |
| 1.5             | 1724 | 7.1  | 54             | .865 | 1101  | 173        | 180   |
| 2.7             | 1594 | 13.7 | 108            | .827 | 2038  | 426        | 180   |