

# Permanent-Magnet DC Motor + Dual Encoder



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Edition: 23/04/2014

## Type: T03L-DP11-Minertia

Model: 245-711-001

Disc: 801992-001

OEM: 1214659-0-0



12345-wizard.com

### General Data

**Type:** T03L-DP11-Minertia

**Brand:** Minertia (Yaskawa - Japan)

**OEM #:** 326833-2; 801977-001 (typical)

**Frame:** Round/Circular (see makers data)

**Volts:** 22.5Vdc (nominal)

**Current:** 4.5 Amp

**Output:** 100 Watts (nominal)

**RPM:** 1840 rpm @ 22.5V (no-load)

**Torque:** \_\_\_ Nm @ \_\_\_A ( \_\_\_ oz.in.)

**Rating:** continuous (forced air recommended)

**Resistance:** \_\_\_ Ohms / phase (nominal)

**Wires:** 2 wire (2 x 1/4" QC terminals)

**Shaft:** 10.0 mm dia x 21mm long

**Shaft-Detail:** Plain + 2 flats @ 90 deg.

**Size:** 70 x 140mm (nominal)

**Weight:** 1.33kg

**Encoder :** 3240 + 1920 lines

(32000 x 60/1000 = 1920 lines)

(54000 x 60/1000 = 3240 lines)

**Wires:** 6 wire (100mm + nominal)

**Condition:** Used (refurbished / tested)

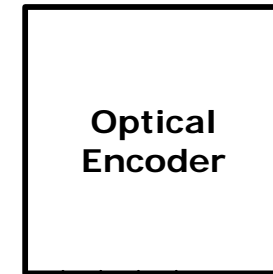
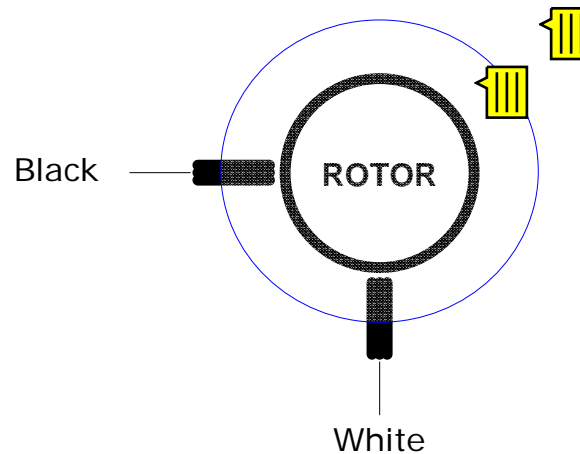
**Comments:** choose the encoder resolution to suit application needs (32000/54000 pps = 1000rpm)

**Stall-Current (test-only):**

1.2 A @ 2 V

1.8 A @ 3V

3.2 A @ 4V



Black = 0V

Red = + 5Vdc

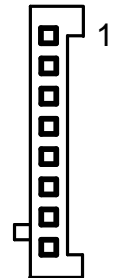
Blue = "A" phase

White = "B" phase

Slate/Green = "A1" phase

Orange = "B1" phase

**Note:** from a Gecko-320 this motor delivers 1000rpm when 'speed' set to 32000pps (low) set to 54000pps (high)



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