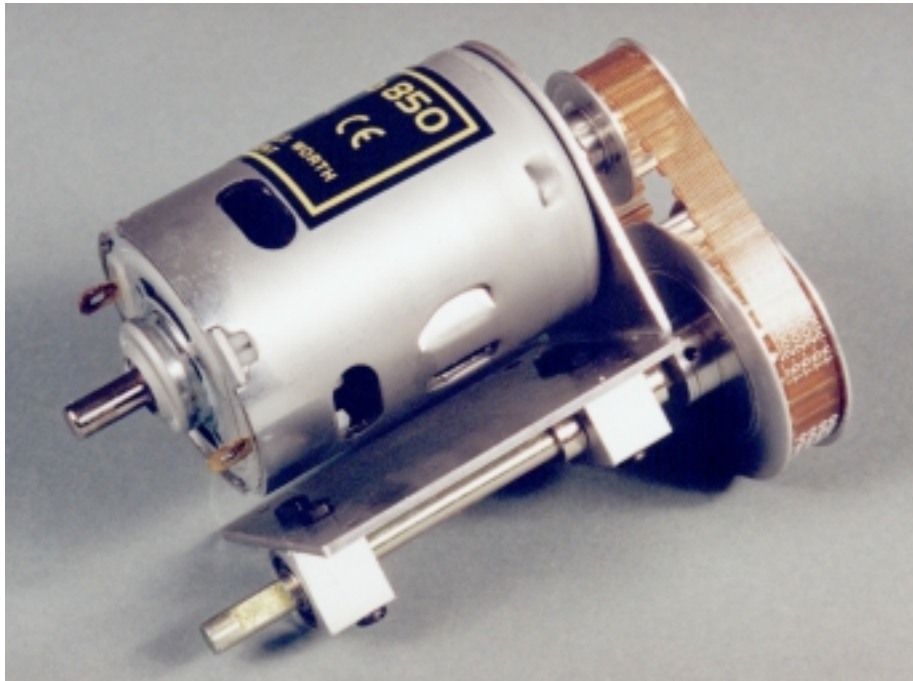


960D & 965D SERIES BELT DRIVE REDUCTION UNITS



- Part No. 960D2.11 (RE 800 Motor)
- Part No. 965D2.11 (RE 850 Motor)
- Part No. 966D2.11 (Without motor)

This unit has been developed to meet a requirement for heavy duty high torque applications combined with relatively low power consumption.

The unit is powered by MFA/Como Drills 800 or MFA/Como Drills 850 series 12v d.c. 3 pole motors, with heavy duty carbon brush gear and double ended 6mm drive shaft. The motor is mounted on a rugged 1.5mm steel right angle bracket. The 2.1:1 reduction is achieved via two precision aluminium timing pulleys utilising a high quality toothed timing belt. The final drive is delivered through two block mounted precision ballraces with a 6mm keyed steel output shaft.

The RE800 motor version will deliver around 1229 g.cm torque (0.12 Nm) running at maximum efficiency. The RE850 motor version will deliver around 1380 g.cm torque (0.14 Nm) running at maximum efficiency.

MOTOR DATA. (RE 800)

| MODEL | VOLTAGE | | NO LOAD | | AT MAXIMUM EFFICIENCY | | | | | STALL TORQUE | | |
|----------|-----------------|----------------|---------|---------|-----------------------|---------|---------|-------|--------|--------------|--------------|-------|
| | OPERATING RANGE | NOMINAL | SPEED | CURRENT | SPEED | CURRENT | TORQUE | | OUTPUT | EFF | STALL TORQUE | |
| | | | R.P.M. | A | R.P.M. | A | oz - in | mN-m | W | % | oz - in | mN-m |
| RE - 800 | 12.0v | 12.0v CONSTANT | 5167 | 1.058 | 4289 | 5.28 | | 82.08 | 36.84 | 58.2 | | 482.8 |

Stall Current RE800 at 12v = 25.86A

MOTOR DATA. (RE 850)

| MODEL | VOLTAGE | | NO LOAD | | AT MAXIMUM EFFICIENCY | | | | | STALL TORQUE | | |
|----------|-----------------|----------------|---------|---------|-----------------------|---------|---------|-------|--------|--------------|--------------|------|
| | OPERATING RANGE | NOMINAL | SPEED | CURRENT | SPEED | CURRENT | TORQUE | | OUTPUT | EFF | STALL TORQUE | |
| | | | R.P.M. | A | R.P.M. | A | oz - in | mN-m | W | % | oz - in | mN-m |
| RE - 850 | 12.0v | 12.0v CONSTANT | 9778 | 1.90 | 8311 | 10.82 | | 92.13 | 157 | 61.74 | | 614 |

Stall Current RE850 at 12v = 61.34A