ALL
BRITISH
COMPANY

COMPOSITE
ELECTROMAGNETIC

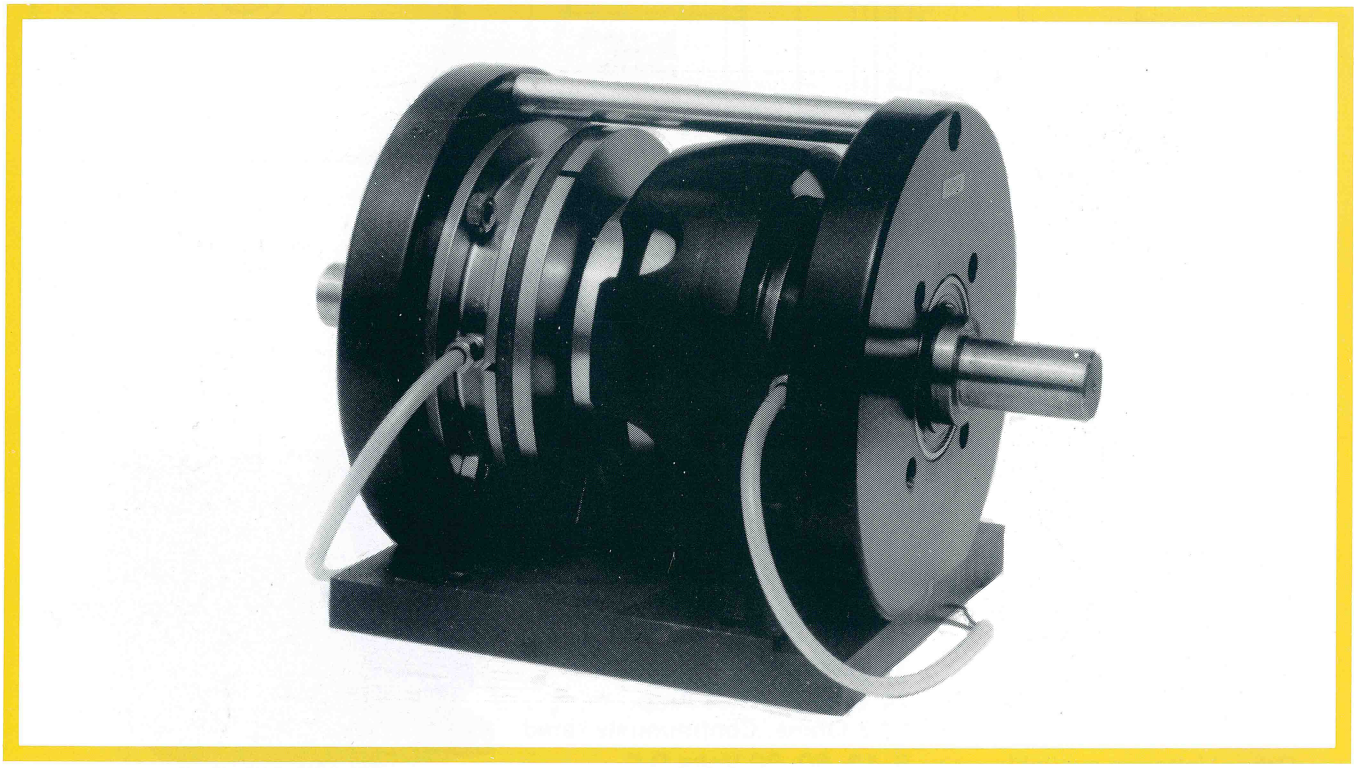
CLUTCHBRAKE

DATA SHEET

MODEL CB 800

This Clutchbrake unit should be used with a Clark Power Unit type 6824/2 or 6824/2R or equivalent circuit.

- **TORQUE 122 Nm. 90lb.ft. MAXIMUM**
- **UP TO 12 H.P. AT 1440 R.P.M.**
- **CYCLE RATES CAN EXCEED 1500 STARTS/STOPS PER HOUR WHERE LOAD INERTIA PERMITS**
- **FULLY SELF-ADJUSTING NO MAINTENANCE REQUIRED**
- **CHOISE OF SHAFT DIAMETERS $1^{5}/_{8}$" or 40 mm**



The **Clark Composite Clutchbrake** unit is a combination assembly of the well proven **Clark** model 800 **Clutch and Brake.** Integral **input** and **output** shafts running in substantial sealed bearings reduce fitting to the ultimate in simplicity and low cost.

The Clutch and Brake torque may be fixed at maximum or preset to a reduced value. For exceptionally smooth starting, the Clark **Power Unit type 6824/2R** incorporates an inexpensive **"Silkstart"** electronic control which raises the **clutch** voltage from zero to 24V over a period which can be preset between ¼ second and 10 seconds. **"Boost"** circuits can provide very high acceleration and stopping rates i.e. for high cycle rate indexing drives.

Comprehensive applications advice from address overleaf.

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COMPOSITE ELECTROMAGNETIC CLUTCHBRAKE

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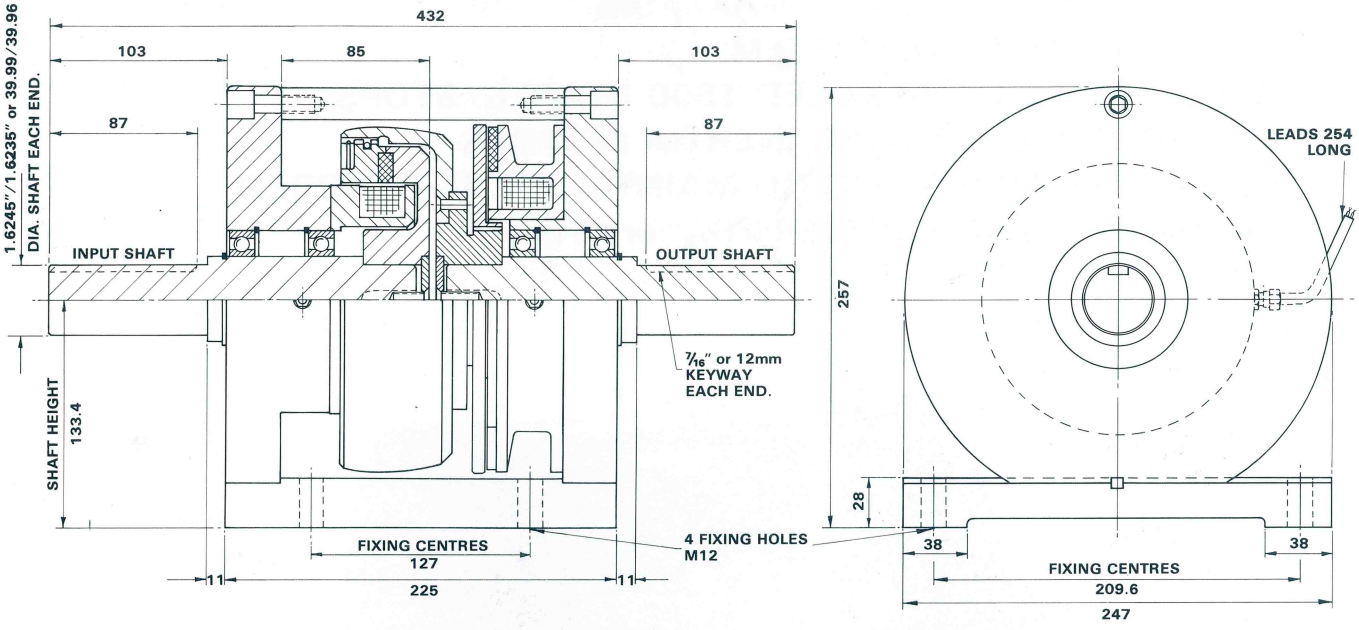
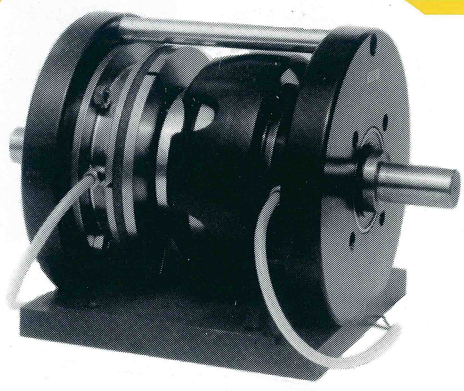


General Specification



Maximum Static Torque	:	122 Nm (90lb. ft).
Maximum Speed	:	3,000 r.p.m.
Standard Coil Windings	:	24 volts D.C. 1.4 Amp. 17.2 Ohms. Continuously rated.
Other Voltages available	:	6, 12, 50, 90 Volts D.C.
Weight	:	33.5 Kg (74lb)
Maximum Heat Dissipation (Slipping)		
Input Speed 0-500 r.p.m.	:	20,000 Nm/min (14,700 ft.lb/min)
1000 r.p.m.	:	30,600 Nm/min (22,500 ft.lb/min)
1500 r.p.m.	:	41,100 Nm/min (30,200 ft.lb/min)
3000 r.p.m.	:	71,700 Nm/min (52,700 ft.lb/min)

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