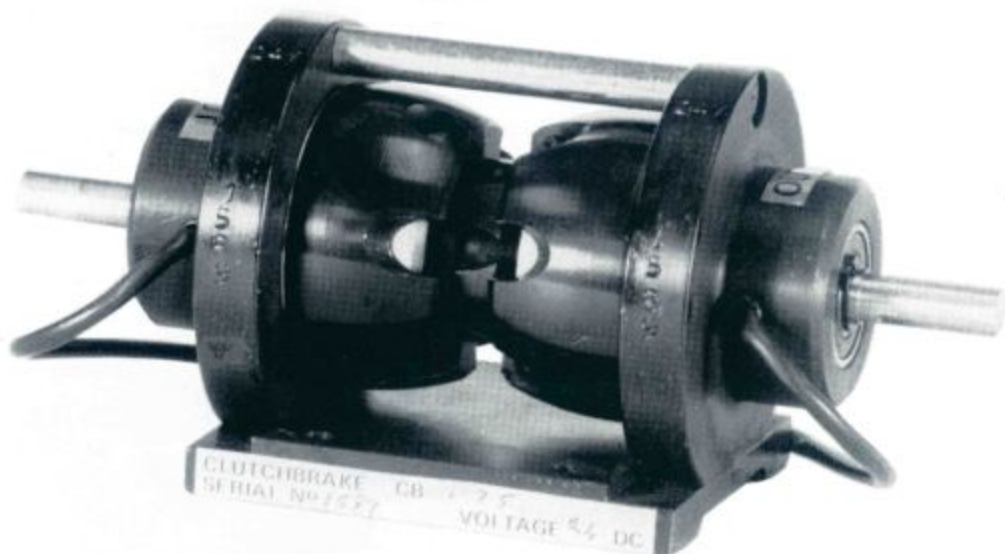


ALL
BRITISH
COMPANY

COMPOSITE
ELECTROMAGNETIC
CLUTCHBRAKE

DATA
SHEET
MODEL
CB 175

- TORQUE 1.1 Nm. (10 lb.ins.) MAXIMUM
- UP TO $\frac{1}{8}$ H.P. AT 1440 R.P.M.
- CYCLE RATES CAN EXCEED 10,000 STARTS/STOPS PER HOUR WHERE LOAD INERTIA PERMITS
- FULLY SELF-ADJUSTING NO MAINTENANCE REQUIRED
- CHOICE OF SHAFT DIAMETERS $\frac{5}{16}$ " or 8mm.



The **Clark Composite Clutchbrake** unit is a combination assembly of the well proven Clark model 175 **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 1024/2R** incorporates an inexpensive "**Silkstart**" electronic control which raises the **clutch** voltage from zero to 24V over a period which can be preset between $\frac{1}{4}$ second and 10 seconds. "**Boost**" circuits can provide very high acceleration and stopping rates i.e. for high cycle rate indexing drives.

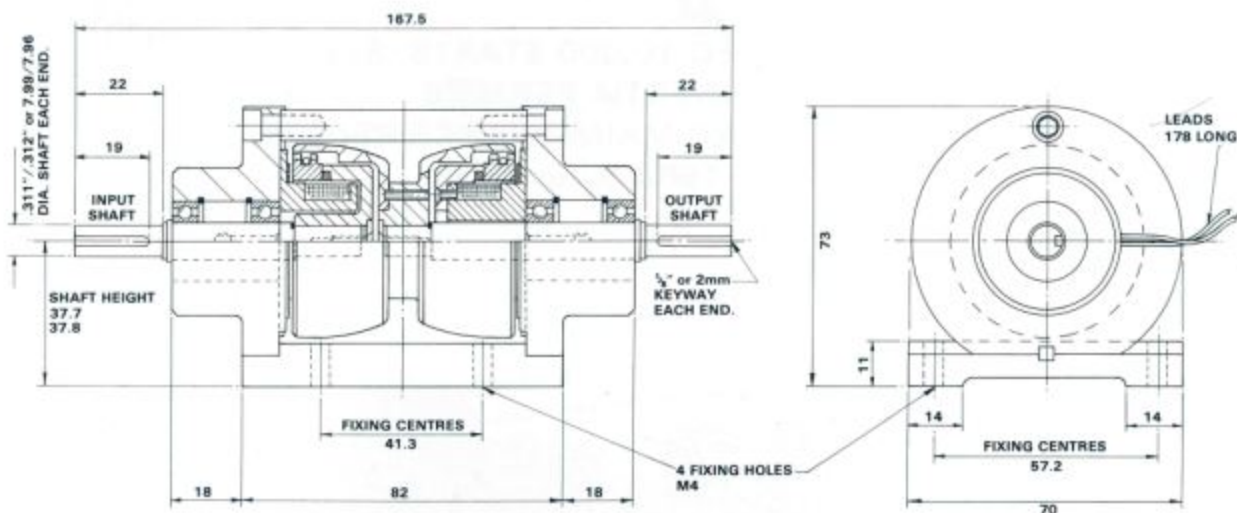
Comprehensive applications advice from address overleaf.

DATA
SHEET

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General Specification

Maximum Static Torque	:	1.1 Nm (10 lb. ins.).
Maximum Speed	:	8,000 r.p.m.
Standard Coil Windings	:	24 volts D.C. 0.25 Amp. 97 Ohms. Continuously rated.
Other Voltages available	:	6, 12, 50, 90 Volts D.C.
Weight	:	0.9 Kg (2 lb)

Maximum Heat
Dissipation (Slipping)

Input Speed	0-500 r.p.m.	:	870 Nm/min (640 ft.lb/min)
	1000 r.p.m.	:	1333 Nm/min (980 ft.lb/min)
	1500 r.p.m.	:	1500 Nm/min (1100 ft.lb/min)
	3000 r.p.m.	:	1800 Nm/min (1325 ft.lb/min)



CLARK ELECTRIC CLUTCH AND CONTROLS Ltd

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