

ALL  
BRITISH  
COMPANY

COMPOSITE  
ELECTROMAGNETIC  
**CLUTCHBRAKE**

DATA  
SHEET  
MODEL  
CB 400

- TORQUE 23 Nm. (200lb.ins.) MAXIMUM.
- UP TO 2 H.P. AT 1440 R.P.M.
- CYCLE RATES CAN EXCEED 3,600 STARTS/STOPS PER HOUR WHERE LOAD INERTIA PERMITS.
- FULLY SELF-ADJUSTING NO MAINTENANCE REQUIRED.
- CHOICE OF SHAFT DIAMETER  $\frac{3}{4}$ " OR 20mm.



The **Clark Composite Clutchbrake** unit is a combination assembly of the well proven **Clark** model 400 **Clutch and Brake**. Integral **input** and **output** shafts running in substantial sealed bearings reduce fitting to the ultimate in simplicity and low cost.

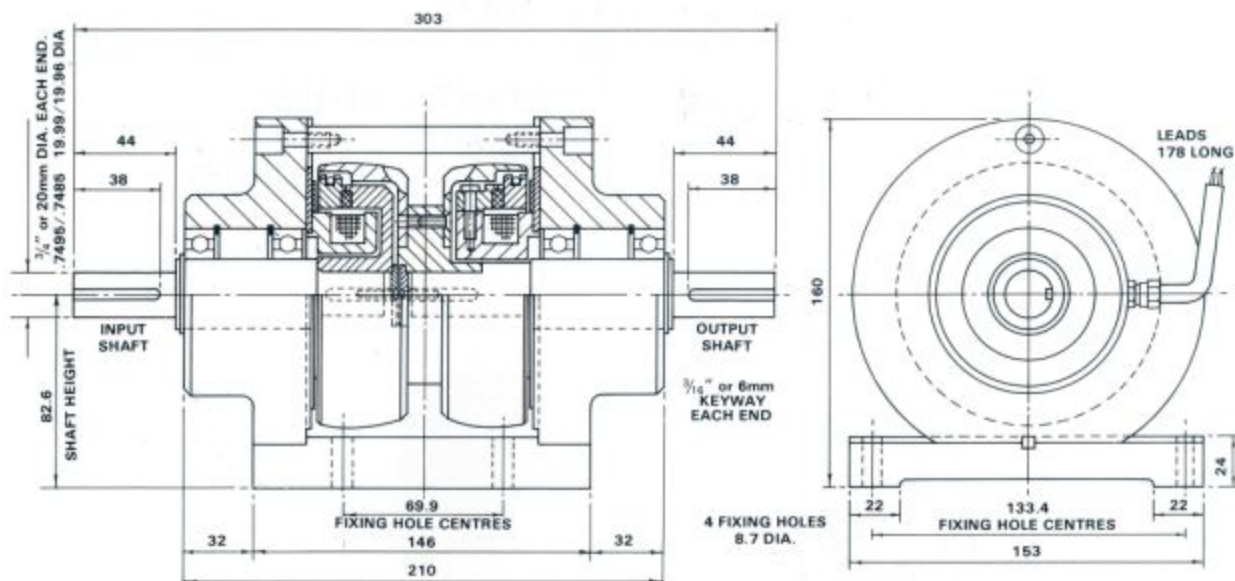
The Clutch and Brake torque may be fixed at maximum or preset to a reduced value. For exceptionally smooth starting, the **Clark Power Unit type 1024/2R** incorporates an inexpensive "**Silkstart**" electronic control which raises the **clutch** voltage from zero to 24V over a period which can be preset at 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.

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**General Specification**

Maximum Static Torque	:	23 Nm (200lb. ins.).
Maximum Speed	:	6,250 r.p.m.
Standard Coil Windings	:	24 Volts D.C. 0.7 Amp. 34 Ohms. Continuously rated.
Other Voltages available	:	6, 12, 50, 90 Volts D.C.
Weight	:	10.5 Kg. (23lb)
Maximum Heat Dissipation (Slipping)	:	
Input Speed	0-500 r.p.m. :	2788 Nm/min (2050 ft.lb/min)
	1000 r.p.m. :	4250 Nm/min (3125 ft.lb/min)
	1500 r.p.m. :	5508 Nm/min (4050 ft.lb/min)
	3000 r.p.m. :	7923 Nm/min (5826 ft.lb/min)



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