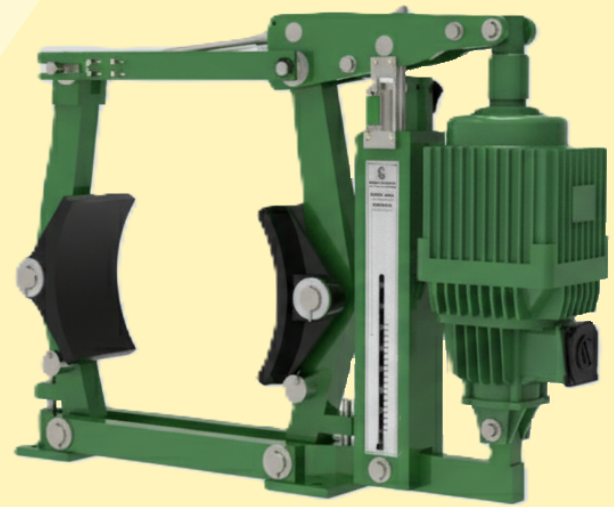


TECHNICAL DATA

ITEM	BRAKE	THRUSTER
MODEL	SMG 500-121/06 STD	ELDY - 121/06
DRUM DIA	500 mm	-----
SHOE WIDTH	180 MM	-----
BRAKE SHOE	Aluminum + Asbestos free Liner	-----
FRICTION COEFFICIENT	μ 0.42	-----
BRAKING TORQUE	350Kg-m - 3500 Nm	-----
THRUST	-----	121Kg / 1210 N
STROKE	-----	60 mm
OIL + CAPACITY	-----	Transformer Oil IS - 335 (10 Liters)
RATED VOLTAGE	-----	415 V $\pm$ 10% 50 Hz 3Ph AC
CURRENT	-----	1.25 Amps ($\pm$ 2%)
INSULATION	-----	F Class
INGRESS PROTECTION	-----	IP - 65 IS/IEC 60529 (2001)
AMBIENT TEMP	-----	50° C
POWER	-----	410 Watt
WEIGHT	133 Kg	33 Kg

* Non-Standard voltages available on enquiry



SELECTION OF BRAKE SIZE

SMG Thruster brakes are steel fabricated frames with Eldy Thruster as per din standard.

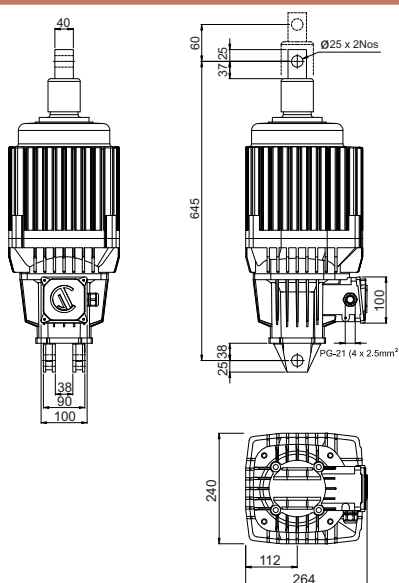
Excellent designs & good manufacturing process ensure a reliable product.

The brake torque must be $\geq$ than motor full load as referred with drum. Formula as below:

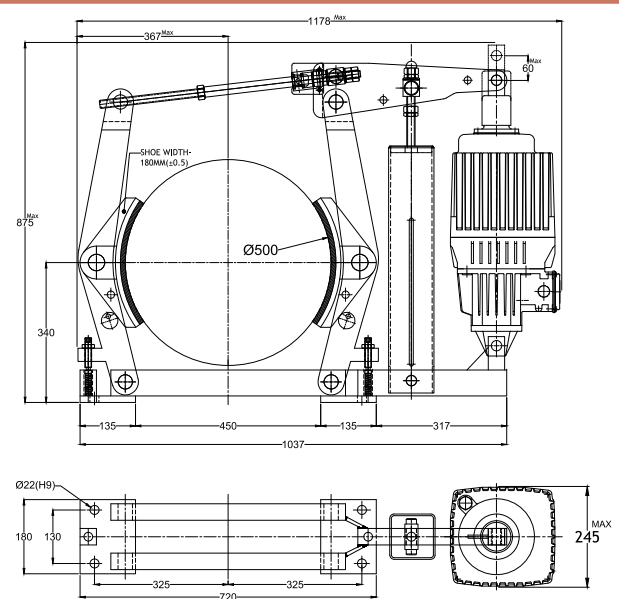
$$T = \text{Torque in Kgm} = \frac{716 \times \text{Hp}}{\text{rpm}}$$

$$T = \text{Torque in Nm} = \frac{9552 \times \text{Kw}}{\text{rpm}}$$

Where Hp/Kw = motor output & rpm = Rev/minute



ELDY 121-06



SMG-500-121/06-STD-GA1