

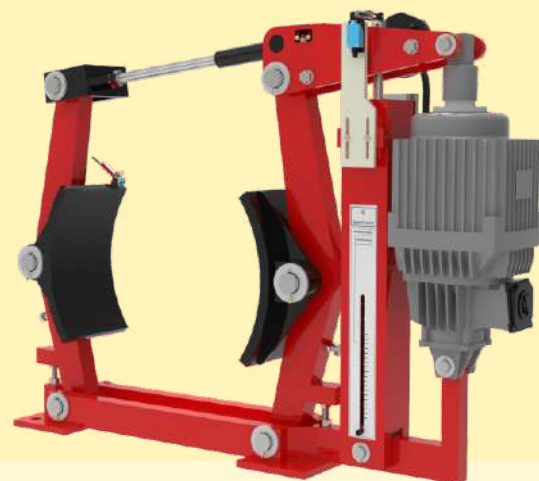


# INDUSTRIAL BRAKES SDM 710-301/06

## TECHNICAL DATA

| ITEM                 | BRAKE                          | THRUSTER                             |
|----------------------|--------------------------------|--------------------------------------|
| MODEL                | SDM 710-301/06                 | ELDY - 301/06                        |
| DRUM DIA             | 710 mm                         | -----                                |
| SHOE WIDTH           | 255 MM                         | -----                                |
| BRAKE SHOE           | Aluminum + Asbestos free Liner | -----                                |
| FRICTION COEFFICIENT | $\mu$ 0.42                     | -----                                |
| BRAKING TORQUE       | 940 Kg-m - 9400 Nm             | -----                                |
| THRUST               | -----                          | 300 Kg                               |
| STROKE               | -----                          | 60 mm                                |
| OIL + CAPACITY       | -----                          | Transformer Oil IS - 335 (10 Liters) |
| RATED VOLTAGE        | -----                          | 415 V $\pm$ 10%<br>50 Hz 3Ph AC      |
| CURRENT              | -----                          | 1.52 Amps ( $\pm$ 10%)               |
| INSULATION           | -----                          | F Class                              |
| INGRESS PROTECTION   | -----                          | IP - 65<br>IS/IEC 60529 (2001)       |
| AMBIENT TEMP         | -----                          | 50° C                                |
| POWER                | -----                          | 610 Watt                             |
| WEIGHT               | 236 Kg                         | 37 Kg                                |

|      |                                           |
|------|-------------------------------------------|
| LWC  | LINING WEAR COMPENSATOR                   |
| LWI  | LINING WEAR INDICATOR                     |
| HRL  | HAND RELEASE LEVER                        |
| LWLS | LINING WEAR LIMIT SWITCH                  |
| BRLS | BRAKE RELEASE LIMIT SWITCH                |
| BELS | BRAKE ENGAGING LIMIT SWITCH               |
| SS   | STAINLESS STEEL PINS                      |
| LUB  | LUBRICATORS ON MAIN PINS                  |
| SV   | SPECIAL VOLTAGE                           |
| SPA  | PAINT ACCORDING TO CUSTOMER SPECIFICATION |



## SELECTION OF BRAKE SIZE

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

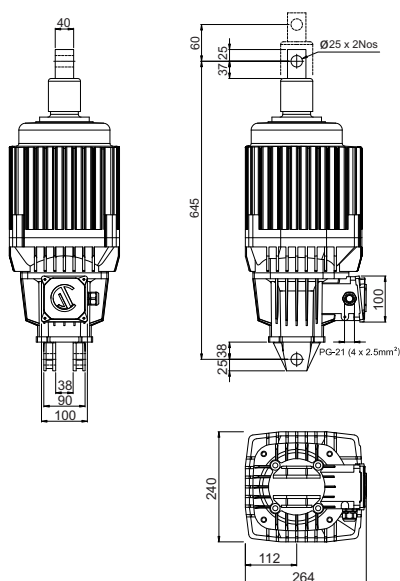
Excellent designs & good manufacturing process ensure a reliable product.

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

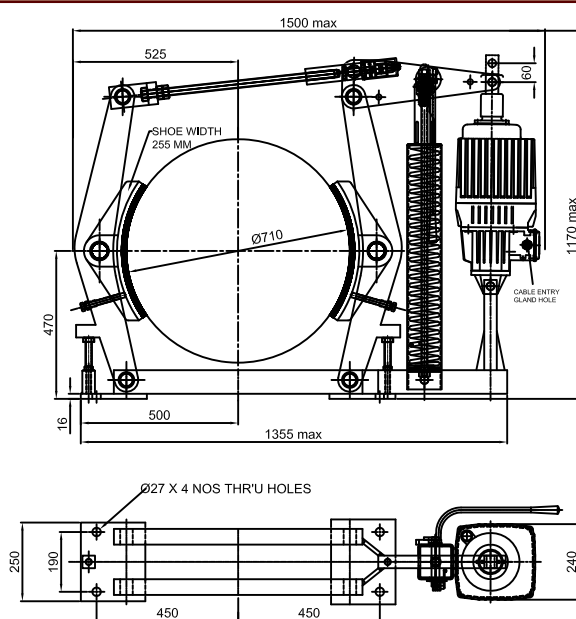
$$T = \text{Torque in Kgm} = \frac{716 \times \text{Hp}}{\text{rpm}}$$

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

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



**ELDY 301-06**



**SDM-710-301/06**

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