## MDT 600-114 (MILL DUTY THRUSTER BRAKES)

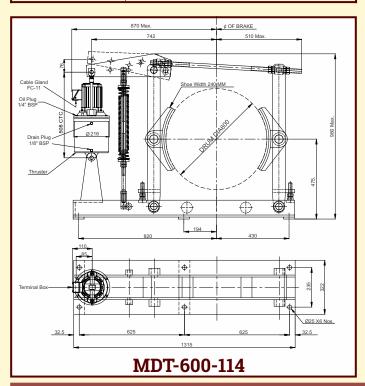


## INTRODUCTION

Thruster Brake is a device to retard the speed of moving machinery and to stop it accurately to the desired position. The breaking force is applied to the brake shoes by a pre-stressed compression spring. The shoes press on the rotating brake drum retarding its speed, and finally stopping it.

## **TECHNICAL DATA**

ITEM	BRAKE	THRUSTER
MODEL	MDT - 600-114	ST 8110
DRUM DIA	600 mm	
BRAKE SHOE	Asbestos free/BA	
BRAKING TORQUE	580 Kg-m	
THRUST		114 Kg
STROKE		76 mm
OIL + CAPACITY		Transformer Oil 5 Litrs
RATED VOLTAGE		415V±10%,3PhAC,50Hz
CURRENT AT 415 V AC		0.8 Amps
POWER		250 Watt
INSULATION		F Class
INGRESS PROTECTION		IP-55 IS/IEC 60529(2001)
SURFACE TEMPERATURE		+50°C
WEIGHT	208 kg	34 kg
POWDER COATING	Colour RAL 7021	
OPTION		
LAF	Asbestos Free Liner	
LWI	Lining Wear Indicator	
OL	Open Brake Limit Switch	
MS	Manual Opening & Locking System	





## **SELECTION OF BRAKE SIZE**

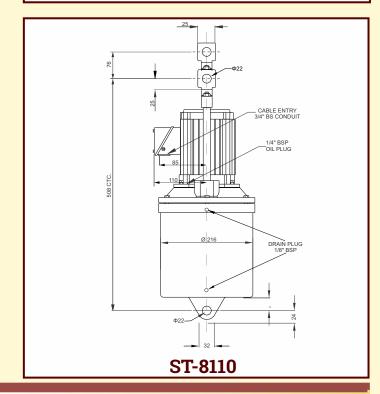
Electo-hydraulic thruster is a device which develops linear thrust (or force) required to operate the required mechanism. The input to the device is three phase supply.

The brake torque must be = >than motor full load as referred with drum. Formula as below:

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

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

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



F H. O. Unit -I: C-15/16, Nand Jyot I Industrial Estate, Andheri-Kurla F Road, Mumbai - 400072, TTel: (022) 42469700/730

FE-mail: sales@socgroup.in

Unit - II: Plot No. 4912, G. I. D. C., Phase IV, Vatva, Ahmedabad - 382445

Ahmedabad - 382445
Tel.: (079) 68169700/702/712
E-mail : enquiry2@socgroup.in

Visit us at : www.speedocontrols.com www.socremote.com

