

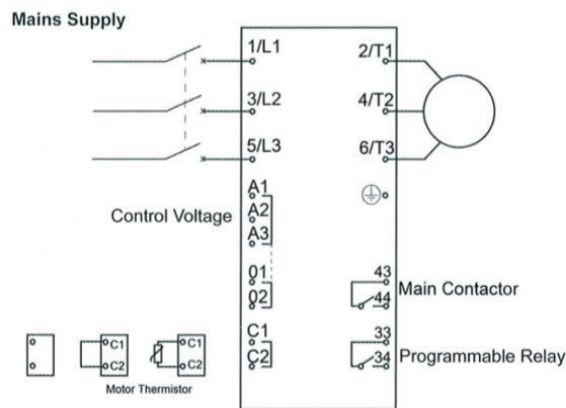
TOSHIBA

Leading Innovation >>>

TMC7 Series

Digital soft starter

ELECTRICAL SCHEMATIC



RANGE

Model	kW @400V	Maximum Motor FLC at 40°C	
		4xFLC for 6sec AC53b 4-6:354	4xFLC for 20sec AC53b 4-20:340
TMC7- 4007 - C1	7.5	18 A	17 A
TMC7- 4015 - C1	15	34 A	30 A
TMC7- 4018 - C1	18.5	42 A	36 A
TMC7- 4022 - C1	22	48 A	40 A
TMC7- 4030 - C1	30	60 A	49 A
		(AC53b 4-6:594)	(AC53b 4-20:580)
TMC7- 4037 - C1	37	75 A	65 A
TMC7- 4045 - C1	45	85 A	73 A
TMC7- 4055 - C1	55	100 A	96 A
TMC7- 4075 - C1	75	140 A	120 A
TMC7- 4090 - C1	90	170 A	142 A
TMC7- 4110 - C1	110	200 A	165 A

TECHNICAL SPECIFICATIONS:

- Supply Voltage: 200-440 V AC (+10%, -15%), 3 Ph
- Supply Frequency: 45 - 66 Hz
- Control Voltage: 110-240 V AC & 380 - 440V AC
- Number of Starts: =<30kW: 10 starts /hour
=>37kW: 6 starts /hour
- Output Relay Contacts: 2A, 400V AC, AC11
- Degree of Protection: =< 55kW: IP20
> 55kW: IP00
- Max. Ambient Temperature: 60 Deg C
- Relative Humidity: 5 % to 95 %

DIMENSIONS

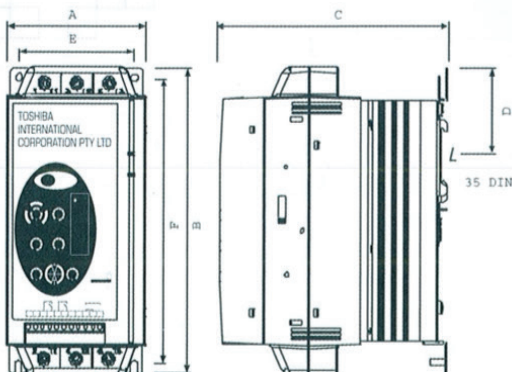
mm (inch)

MODEL	A	B	C	D	E	F
TMC7- 4007 - C1						
TMC7- 4015 - C1						
TMC7- 4018 - C1	98	203	165	55	82	188
TMC7- 4022 - C1	(3.86)	(7.99)	(6.50)	(2.17)	(3.23)	(7.40)
TMC7- 4030 - C1						
TMC7- 4037 - C1						
TMC7- 4045 - C1	145	215	193	-	124	196
TMC7- 4055 - C1	(5.71)	(8.46)	(7.60)		(4.88)	(7.72)
TMC7- 4075 - C1						
TMC7- 4090 - C1	202	240	214	-	160	204
TMC7- 4110 - C1	(7.95)	(9.45)	(8.40)		(6.30)	(8.03)



ADJUSTMENTS

1. Motor Full Load Current	$x\% = \frac{\text{Motor FLC}}{\text{TMC7 FLC}}$										
2. Current Ramp											
3. Current Limits											
4. Motor Trip Class											
5. Local Reset Push Button											
6. Soft Stop Time											
7. Excess Start Time											
8. Phase Rotation Protection	<table border="1"> <thead> <tr> <th></th> <th>FWD</th> <th>ANY</th> </tr> </thead> <tbody> <tr> <td>L1 L2 L3</td> <td>✓</td> <td>✓</td> </tr> <tr> <td>L1 L2 L3 TMC7</td> <td>X</td> <td>✓</td> </tr> </tbody> </table>		FWD	ANY	L1 L2 L3	✓	✓	L1 L2 L3 TMC7	X	✓	
	FWD	ANY									
L1 L2 L3	✓	✓									
L1 L2 L3 TMC7	X	✓									
9. Auxiliary Relay Function											



Above information is subject to change without notice.