



# KIRLOSKAR ELECTRIC

Committed to Innovation and Excellence



## ROLLER TABLE 3 PHASE INDUCTION MOTORS



### Product Line of Kirloskar Electric

AC & DC Motors | Generators | Transformers | Switchgear | Drives | DG Sets | Projects | Engineering

ISO 9001:2008



**BUREAU  
VERITAS**

## ROLLER TABLE 3 PHASE INDUCTION MOTORS

### "ROLLER TABLE MOTORS - RTS"

They are squirrel cage induction motors with a special design and construction. These are normally totally enclosed, non-ventilated surface cooled motors meant for operating under stringent conditions especially in steel plants.

Roller Table Motors are meant to convey the load to different areas at a very high speed. They have high starting torque, high stall times.

### STANDARDS

• DEGREE OF PROTECTION	: To IS 4691/BS 4999 PART 20 and IEC 60034-5
• METHOD OF COOLING	: To IS 6362/BS 4999 PART 21 and IEC 60034-6
• MOUNTING ARRANGEMENT	: To IS 1231/BS 4999 PART 22 and IEC 60034-7
• GENERAL	: The "RT" motors complies with IPSS specifications.

### OPTIONAL FEATURES

The following optional features can be incorporated and executed against specific requirements.

- Suitability for very high number of starts per hour and different duty cycles
- Compliance with specific plant requirements
- Nonstandard supply voltage from 250V to 650V and nonstandard frequency
- Special type shaft extension and hollow shaft
- Thermistors
- Space heater for frame 180 and above
- Motors suitable for VFD applications.

### When you order please furnish

• Application	• Ambient temperature
• Rating	• Mounting
• Starting torque	• Degree of protection
• Stall time	• Input supply conditions & % variation
• Duty & no. of starts/stops	• Load GD2
• Insulation	• Method of starting



### APPLICATIONS

The RTS Motors are used in

- Roller table drives
- Pinch roll drives
- Catcher table tilt drives
- Valve actuator motors for blast furnace gas line
- Cable reeling drum drives
- Special conveyors

### SPECIFICATION OF MOTORS SUPPLIED

• Full Load Torque (KGM)	: 1.0 to 36
• Input 3- Ph Volt (V)	: 250/300/400/415 ± 6% V
• Frequency (Hz)	: 50 Hz ± 5%
• Combined variations	: ± 6%
• Ambient Temp	: 50°C to 65°C
• Duty	: S1, S3, S4, S5 & S7.
• No. of Starts/stops	: 150 to 300
• Insulation	: Class F & Class H
• Protection	: IP 55, IP 56, IP 65
• Cooling	: IC 410
• Stall Time	: Up to 10 Min

### FRAMES SUPPLIED

- RTS132, RTS160, RTS180, RTS200, RTS225, RTS250
- RTH180, RTH200,
- BRTS132, BRTS160, BRTS180, BRTS200

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