

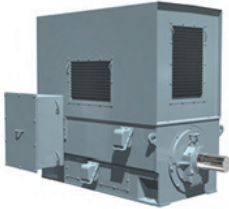








TMEiC Motor Specifications

Product	Induction Motors					Synchronous Motors			
	LV and MV 21-FII	Mill Motors TM-AC	MV Motors 21-L	MV Motors 21-MII	Vertical Motors 21-VL & VLL	High Speed (Custom design)	Main Drive Motor (Custom design)	High Power (Custom design)	High-Speed (Custom design)
Typical View									
Power	37-1,400 kW (50-1,870 hp)	44-370 kW (59-490 hp)	Up to 18,500 kW (25,000 hp)	Up to 3,440 kW (4,750 hp)	300-6,500 kW (8,700 hp)	1,840 kW (2,460 hp)	12,000 kW (16,090 hp)	Up to 80,000 kW (107,240 hp)	Up to 80,000 kW (107,240 hp)
Speed	Up to 3,600 rpm	74 - 1,300 rpm	Up to 3,600 rpm	Up to 3,600 rpm	Up to 28 poles, option > than 30 poles	Up to 11,900 rpm	Up to 1,540 rpm	Up to 3,600 rpm	Up to 6,200 rpm
Voltage	Up to 6,600 V	420 Vac max.	2,300 V – 13.8 kV	2,300 V – 11 kV	2,300 – 13.8 kV	3.3 - 11 kV	Up to 6.6 kV	11 – 13.8 kV	7.0 kV
Type	Totally Enclosed Fan Cooled - TEFC	Totally Enclosed Forced Ventilated – TEFV. Drip Proof Forced Ventilated – DPFV. Totally Enclosed Non Ventilated - TENV	Drip Proof – DP. Weather Protected II- WP. Totally Enclosed Air to Air Cooled – TEAAC. Totally Enclosed Water to Air Cooled - TEWAC	Drip Proof – DP. Weather Protected II- WP. Totally Enclosed Air to Air Cooled – TEAAC. Totally Enclosed Water to Air Cooled - TEWAC	Drip Proof – DP. Weather Protected II-WP. Totally Enclosed Air- Air Cooled – TEAAC. Totally Enclosed Water to Air Cooled - TEWAC	Totally Enclosed Air-Air Cooled – TEAAC. Totally Enclosed Water to Air Cooled – TEWAC (Blower ventilated)	Totally Enclosed Water to Air Cooled – TEWAC	IC8A1W7/IP55 Totally Enclosed Water to Air Cooled - TEWAC	IC8A1W7/IP55 Totally Enclosed Water to Air Cooled - TEWAC
Area use	Exn, Extc, Exd	NA	Exn, Exe, Exp, Exd	Exn, Exe, Exp, Exd	Exn, Exe, Exp	Exn, Exe, Exp	NA	Exp	Exp
Rotor	Aluminum die cast rotor, or Copper rotor bars	Aluminum die cast rotor, or Copper rotor bars	Copper rotor bars	Aluminum die cast rotor	Copper rotor bars	Aluminum alloy rotor bars	Copper rotor bars	Cylindrical solid rotor, Two-pole	Cylindrical solid rotor, Two-pole
Bearings	Ball and Roller bearings, grease lubrication	Ball and Roller bearings, grease lubrication	Ball and Roller bearings, grease lubrication. Sleeve bearings.	Ball and Roller bearings, grease lubrication. Sleeve bearings.	Antifriction bearings. Tilting pad bearings.	Magnetic bearings Tilting pad bearings	Sleeve bearings	Sleeve bearings	Sleeve bearings Tilting pad bearings Magnetic bearings
Length	920-2,720 mm (36-107 inch)	1,074 mm to 1,792 mm (42-71 inch)	2,400 mm and up (95 inch and up)	1,580 mm to 4,130 mm (62-163 inch)	2,500 mm to 6,000 mm (98-236 inch)	Approx 2100 mm (83 inch)	5550 mm to 7050 mm (219-278 inch)	Approx 8100 mm (319 inch)	8,100 mm (319 inch)
Standards	IEC, NEMA, BS, AS... IP44 to IP55	Based on JEC-2137 and IEC 60034-1	IEC, NEMA, BS, AS... IP22, IP24W, IP44, IP55	IEC, NEMA, BS, AS... IP22, IP24W, IP44, IP55	IEC, NEMA, BS, AS.	IEC, NEMA, BS, AS.	IEC, JEC.	IEC	IEC
Major Applications	Fans, Blowers, Compressors	Steel mills, Aluminum mills	Fans, Blowers, Compressors	Fans, Blowers, Compressors	Pumps	Gearless Compressors	Metal rolling mills Turbo compressors (Induction motors also)	Blowers, Compressors	Blowers, Compressors