



<http://www2.sea.siemens.com> | Horizontal-TEFC | 2008-03-26

TEFC Enclosure / IC411 / IP54 - Siemens Type CZ & CGZ



These horizontal, foot-mounted motors are designed for indoor and outdoor applications where internal parts must be protected from adverse ambient conditions. Utilizes cooling fins on all four quadrants of yoke and housings.

Feature	Standard	Available Option
Power Range	200 - 2250 HP	
Poles	2 - 16	
Frame Sizes	500, 580, 708, 788, & 880	
Voltage	460 - 11,000V (460-690V to 800 HP only)	
Service Factor	1.0	1.15
Frame	Cast iron	
Bearing Housings	Cast iron for 500-580 frames, fabricated steel for 708, 788, & 880 frames	
Main Terminal Box	Cast iron	Fabricated steel
Auxiliary Boxes	Cast iron	NEMA 4X
Shaft	AISI 1045	AISI 4140
Rotor	Die cast aluminum for 500 & most 580 frames, fabricated copper for 708, 788, & 880 frames	Fabricated copper for 500-580 frames
Lamination Material	C5 core plate	N/A
External Cooling Fan	Aluminum	Other materials available
Fan Cover	Cast iron for 500 frame, fiberglass for 580 frame, steel for 708, 788, & 880 frames	N/A
Insulation	<600V is Class F random wound, >600V is Class F-VPI MiClad™	N/A
Hardware	300 series stainless steel	N/A
Paint	Two-part epoxy	Special paint system
Paint Color	Siemens Motor Blue	Other colors
Bearing Type	Ball bearing except for 2-pole 708, 788, & 880 frames which are sleeve bearing	Sleeve bearing
Vibration	0.12 IPS or as defined by NEMA	Special balance
Warranty	12 months operational not to exceed 18 months from shipment	Deferred and/or Extended

02/13/2007

© Siemens Energy and Automation, Inc. 2008 - last update 2008-03-26 - Webmaster SE&A - [Terms and Conditions](#)