



# Titan® Horizontal Motors

## Typical Construction Materials

**Windings:** Copper

**Rotor Bar:** Aluminum (Copper Bar option available on most ratings)

**Laminations:** High silicone content steel with C5 core plate

**Shafts:** 1040 - 1045 Hot Rolled (Red) Steel

Enclosure	Frame Size	Frame Material
TEFC, Explosionproof	449-5800	Cast Iron
ODP, WPI, WPII, TEAAC, TEWAC	5000 - 9600	Fabricated Steel

**Brackets:** Cast Iron

Fan Cover:	449	5000	5800
Standard	Steel	Aluminum	Aluminum
Optional	Cast Iron	Cast Iron	Cast Iron

Note: Cast Iron is standard on Corro-Duty® Motors

**Bearings:** Radial Ball (Roller or Sleeve Bearings available as needed)

**Bearing Cap:** Cast Iron (Standard on all Titan® Horizontal Motors)

**Fan, External:**

Horizontal Enclosed (TEFC & TEAAC) Motor Fan Data												
Frame	449 (TEFC)			5000 (TEFC)			5800 (TEFC)			5800, 6800 & 8000 (TEAAC)		
Poles	2	4	6 & Slower	2	4	6 & Slower	2	4	6 & Slower	2	4	6 & Slower
Fan Type	2	1	1	2	3	1	2	3	1	N/A	4	1
Standard Material	B	A	B	B	B	B	B	B	B	N/A	B	B
Optional Material	C,D	None	A	C,D	C	C	C,D	C	C	N/A	E	E

Note: Due to continuing product improvement programs, some of the information shown may change without notice.

Fan Types	Materials
1: Radial - Bi-Directional	A: Plastic
2: Propeller - Unidirectional - Cannot be reversed in field; requires different casting	B: Aluminum
3: Sirocco - Unidirectional - Can be reversed in field	C: Aluminum (Corro-Duty® Painted)
4: Sirocco - Unidirectional - Cannot be reversed in field; requires different casting	D: Aluminum Bronze
	E: Steel
	Note: All except "E" meet "Non-Sparking" Spec