

# Motors for the long run

Specifications	Features	GLOBE-TROTTER®	BLUE CHIP® XRI®	BLUE CHIP® XRI® SD	BLUE CHIP® XRI® 841	BLUE CHIP® XRI® XP
Enclosures	Totally Enclosed Fan Cooled	•	•	•	•	•
	Open Dripproof	•	•			
Voltage	208-230/460 volt through 100 HP; 460 volt 125 HP and larger	•				
	230/460 volt through 100 HP, 460 volt 125 HP and larger		•	•		•
	460 volt (three lead)			•	•	•
	575 volt (three lead)	•		•	•	•
Service Factor (sine wave)	1.15	•	•	•	•	•
	1.25 through 40 HP (see SB300 catalog for restrictions)		•	•	•	•
Inverter Duty	10:1 variable torque	•	•	•	•	•
	Up to 10:1 constant torque	•	•	•	•	•
	Up to 20:1 constant torque		•	•	•	•
	Provisions to add hollow shaft encoder (TEFC only)			•	•	•
Insulation System	Non-hygroscopic Class F system 143T-445T, Class H 447/9T	•	•			
	MAX GUARD®			•	•	•
Balance	Special balance average 0.08 in/sec.			•	•	•
Bearings & Lubrication	Shielded ball bearings, C-3 fit with premium Mobil Polyrex EM grease (-30°C to +150°C)	•	•	•	•	•
	Open bearings, 364T Frame and larger	•				
	Zerk fittings (Globetrotter 324T and larger)	•		•	•	•
	Extended grease tubes for regreasing without disassembly			•	•	•
Bearing Caps	Cast iron, 182T and larger					•
	Cast iron, 254T and larger	•		•	•	
	Cast iron, 444T and larger		•	•		
Construction	Rolled Steel	•	•	•		
	Cast Iron	•	•	•	•	•
Conduit Box	Steel 56-326T, Cast iron (364T and larger, non threaded)		•			
	Steel 143T-215T, Cast iron (254T and larger, non threaded)	•				
	Cast iron, oversized, fully gasketed			•	•	•
Leads	Lead lugs 364T and larger		•	•	•	•
	Permanently marked leads with lead separator			•	•	•
Fan Guard (TEFC)	Polypropylene (143T-213T), Steel (254T and larger)	•				
	Polypropylene (182T-326T)		•			
	Cast iron (including XRI 364T and larger)			•	•	•
Fan (External)	Non-sparking polypropylene (TEFC)	•	•	•	•	•
Drains	Corrosion resistant brass drain and breather		•		•	•
	Drilled and tapped hole		•			
	Drain hole 143T-326T, drilled and tapped hole 364T and larger	•				
Epoxy Finish	Internal and external corrosion resistant epoxy			•	•	•
Hardware	Corrosion resistant zinc dichromate plated hex head hardware		•	•	•	•
	Lifting provisions, 182T and larger	•	•	•	•	•
Ground	Ground lug provision in conduit box	•	•	•	•	•
	External grounding provision				•	•
Nameplate	Stainless steel - includes NEMA nominal efficiency and power factor	•	•	•	•	•
	AFBMA bearing identification plate			•	•	•
Seals	Inpro/Seal VBX Bearing Isolators on drive end of TENV and both ends of TEFC				•	•
Slinger	Molded neoprene slinger on shaft end	•	•	•	•	•
Marine Duty	Meets IEEE45 and USCG			•	•	•
	Meets API RP14F for offshore platforms				•	
Division 1 Hazardous Duty	CSA Certification, UL Listed, Class I & II Groups C, D, F, G, Temperature Code T3B					•
Division 2 Hazardous Duty	CSA Certification nameplate, Class 1 Groups A, B, C, D, Temperature Code T2B			•	•	
Motor Testing	Actual short commercial test data supplied for catalog numbers that do not end with "A"		•			
	Actual short commercial test data plus max. vibration est supplied with each motor			•		•
	Actual short commercial test data plus 2 additional vibration tests supplied with each motor				•	
Agency Listings	UL Recognized	•	•	•	•	•
	CSA Certified	•	•	•	•	•
	CE Mark	•	•	•	•	•
Warranty	24 mo. from date of first use, 30 mo. from date of manufacture	•				
	36 mo. from date of first use, 42 mo. from date of manufacture		•	•		•
	60 mo. from date of first use, 66 mo. from date of manufacture				•	
	Optional extended warranty			•	•	



**Globetrotter®**  
TEFC & ODP



**Blue Chip® XRI®**  
TENV & TEFC



**Blue Chip® XRI® - Severe Duty**  
TENV & TEFC



**Blue Chip® XRI® - 841**  
IEEE 841



**Blue Chip® XRI® - Hazardous Duty**  
Division 1, Class I & II  
Groups C, D, F & G



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