

Technical Documentation

RF01045C

Rolled Steel TEFC | AEGH

Date: December 1, 2016

Technical Data Sheet

Motor Type: AEGH

Catalogue No: RF01045C

Nameplate Information

HP	Pole	RPM	Frame	Voltage	Hz	Phase
10	4	1755	215TC	575	60	3
Enclosure	Ins. Class	Service Factor	Time Rating	NEMA Design	Rated Amb.	Rated Altitude
TEFC	F	1.15	Continuous	B	-40 to 40 °C	<3300 ft

Typical Performance

Efficiency (%)				Power Factor (%)		
Full Load		3/4 Load	1/2 Load	Full Load	3/4 Load	1/2 Load
Nom.	Min.					
91.7	90.2	92.0	92.0	85.0	81.0	71.0
Torque				Current (A)		
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	No Load	Full Load	Locked Rotor
29.92	250	200	300	1.7	9.6	65
NEMA KVA Code	Inertia (WR ²)			Safe Stall Time (s)		Noise Level Sound Press. dB(A)
	Rotor (lb-ft ²)	NEMA Load (lb-ft ²)	Max. Allowable (lb-ft ²)	Cold	Hot	
H	1.072	51.4	172	26	18	67

VFD Duty Information

Speed Range			VFD		S.F.
Constant Torque	Variable Torque	Constant Power	Carrier	Type	
6-60Hz	3-60Hz	60-120Hz	≤ 5 kHz	VPWM or CPWM	1.0 Only

Additional Information

Bearings		Approx. Weight
DE	NDE	lbs
6208ZZ	6206ZZ	159

Hazardous Locations Information

N/A	
0	
0	
Temp Code (Sinewave / VFD)	0 / 0

Connection Diagram

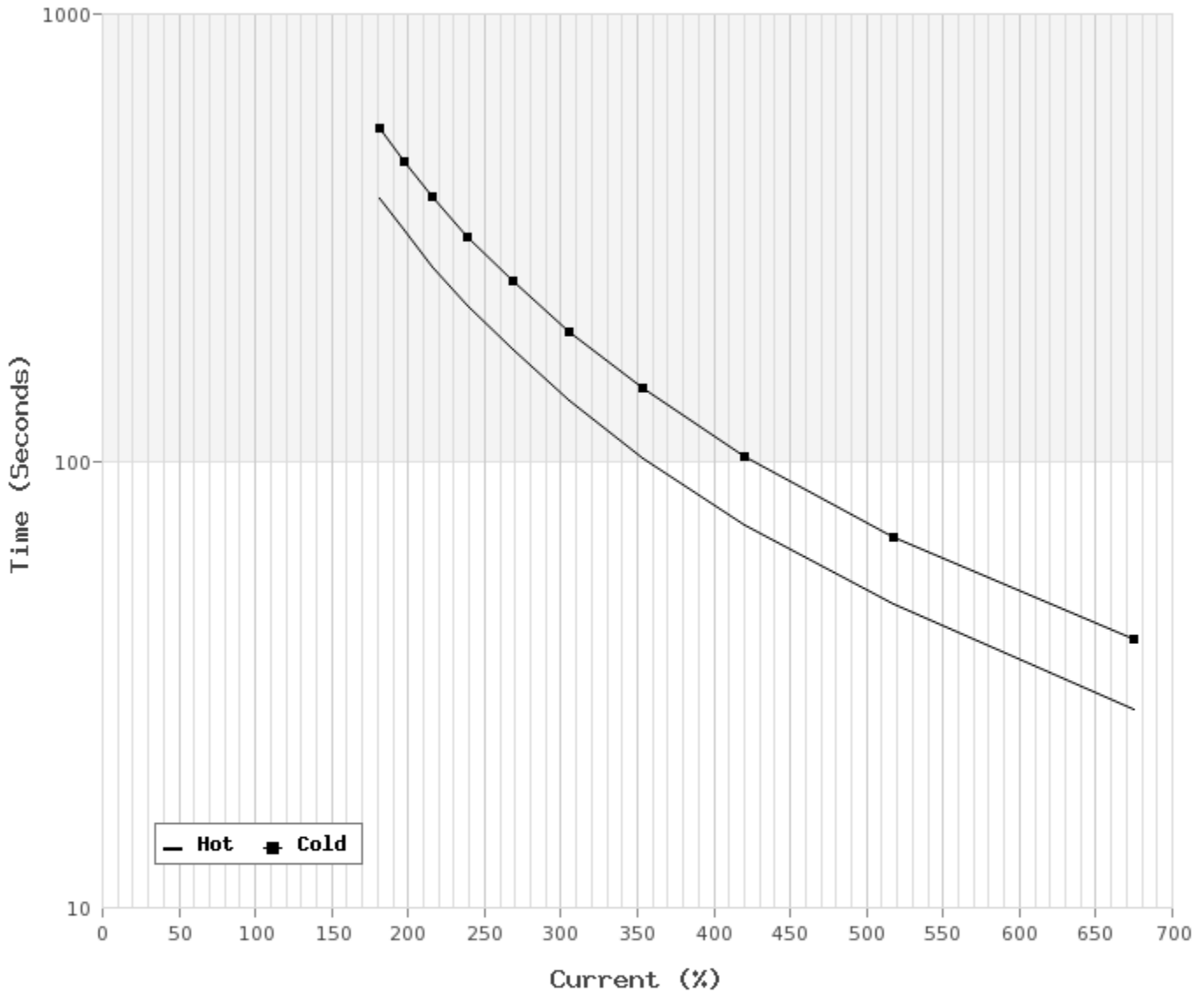


3 LEAD		SINGLE VOLTAGE			WYE
VOLTAGE	CONN.	L1	L2	L3	
-	WYE	1	2	3	

WD_3Y

Thermal Limit Curves

Motor Type: AEGH		Catalogue No: RF01045C		Family: Rolled Steel TEFC	
HP	10	Safe Stall Time		Full Load A	0.0 / 9.6 A
Voltage	0 / 575V 60Hz	Hot	18 s	Locked Rotor A	676 %
RPM	1800	Cold	26 s	Locked Rotor A	0.0 / 65 A



T-N and I-N Curves

Motor Type: AEGH		Catalogue No: RF01045C		Family: Rolled Steel TEFC	
HP	10	Full Load T	29.92 lb-ft	Full Load A	9.6 A
Voltage	575V 60Hz	Locked Rotor T	250 %	Locked Rotor A	65.0 A
RPM	1800	Pull Up T	200 %	Break Down T	300 %

