

Technical Documentation

RF0056C

Rolled Steel TEFC | AEGH

Date: December 1, 2016

Technical Data Sheet

Motor Type: AEGH

Catalogue No: RF0056C

Nameplate Information

HP	Pole	RPM	Frame	Voltage	Hz	Phase
5	6	1170	215TC	230 / 460	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.					
90.2	88.5	91.0	89.5	73.5	65.5	52.5
Torque				Current (A)		
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	No Load	Full Load	Locked Rotor
22.44	200	170	365	3.7 / 1.8	14.1 / 7.1	92 / 46
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	
J	1.213	70.9	479	62	43	63

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	164

Hazardous Locations Information

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

Connection Diagram

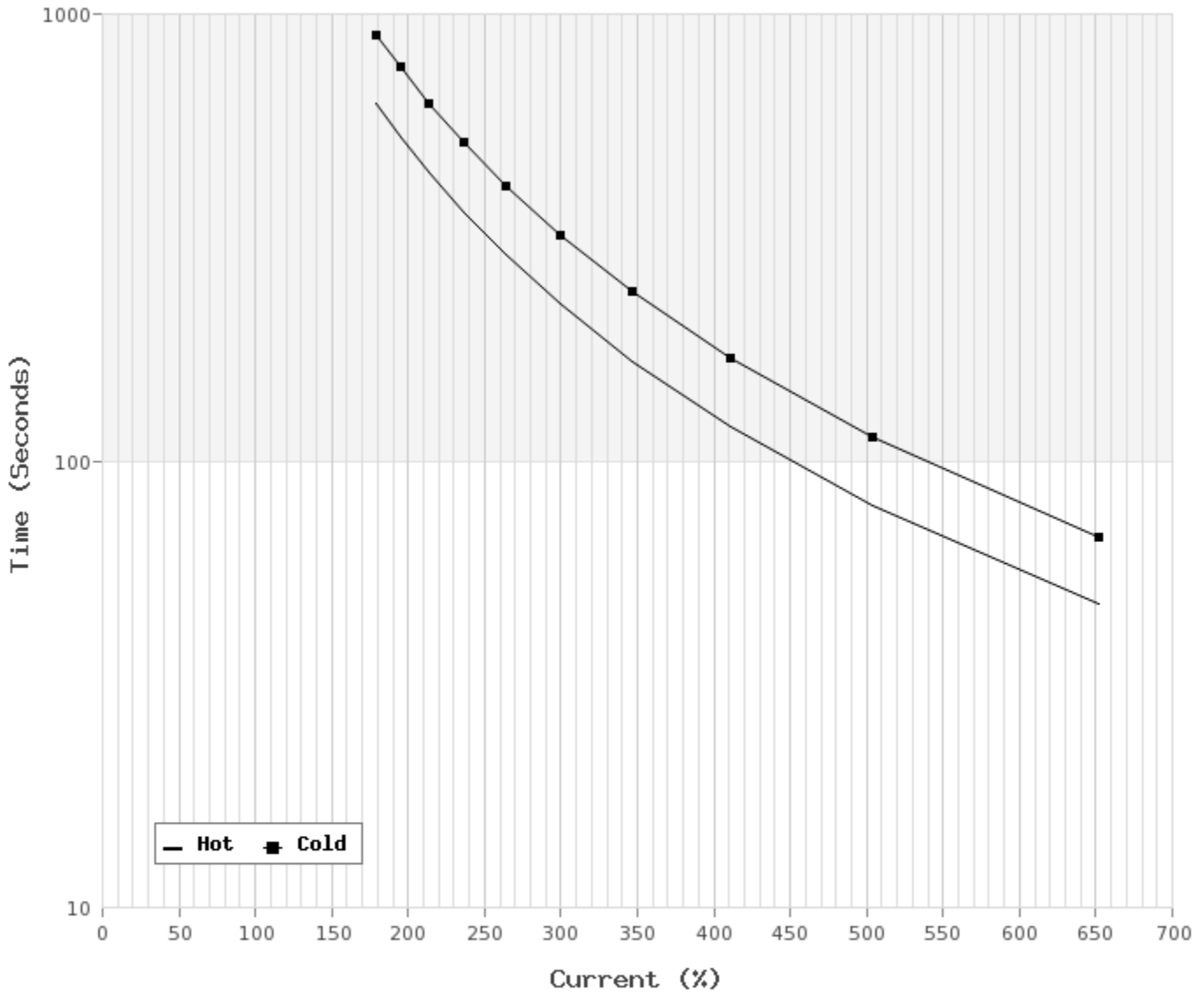


9 LEAD DUAL VOLTAGE WYE					
VOLTAGE	CONN.	L1	L2	L3	JOIN
HIGH	WYE	1	2	3	4&7,5&8,6&9
LOW	2 WYE	1,7	2,8	3,9	4&5&6

WD_9Y

Thermal Limit Curves

Motor Type: AEGH		Catalogue No: RF0056C		Family: Rolled Steel TEFC	
HP	5	Safe Stall Time		Full Load A	14.1 / 7.1 A
Voltage	230 / 460V 60Hz	Hot	43 s	Locked Rotor A	652 / 652 %
RPM	1200	Cold	62 s	Locked Rotor A	92.0 / 46 A



T-N and I-N Curves

Motor Type: AEGH		Catalogue No: RF0056C		Family: Rolled Steel TEFC	
HP	5	Full Load T	22.44 lb-ft	Full Load A	14.1 / 7.1 A
Voltage	230 / 460V 60Hz	Locked Rotor T	200 %	Locked Rotor A	92.0 / 46.0 A
RPM	1200	Pull Up T	170 %	Break Down T	365 %

