

Technical Documentation

RF1/56C

Rolled Steel TEFC | AEGH

Date: December 1, 2016

Technical Data Sheet

Motor Type: AEGH

Catalogue No: RF1/56C

Nameplate Information

HP	Pole	RPM	Frame	Voltage	Hz	Phase
1.5	6	1170	182TC	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.					
87.5	85.5	85.0	81.0	55.0	46.0	34.5
Torque				Current (A)		
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	No Load	Full Load	Locked Rotor
6.73	200	190	340	2.2 / 1.1	5.8 / 2.9	40 / 20
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	
M	0.310	22.7	219	94	66	50

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
6206ZZ	6205ZZ	65

Hazardous Locations Information

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

Connection Diagram

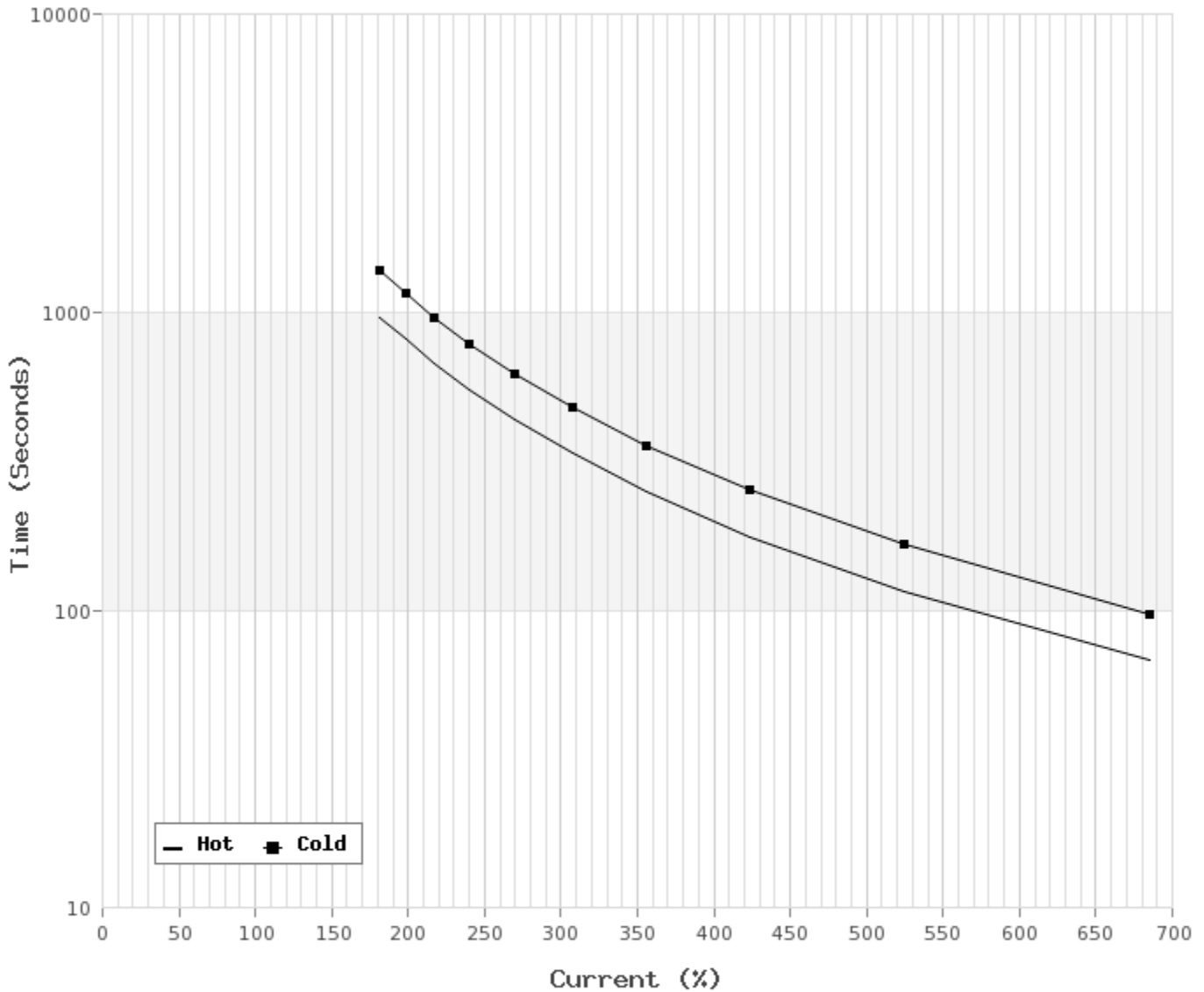


9 LEAD DUAL VOLTAGE WYE					
VOLTAGE	CONN.	L1	L2	L3	JOIN
HIGH	WYE	1	2	3	4&7,5&8,6&9
LOW	2 WYE	1,7	2,8	3,9	4&5&6

WD_9Y

Thermal Limit Curves

Motor Type: AEGH		Catalogue No: RF1/56C		Family: Rolled Steel TEFC	
HP	1.5	Safe Stall Time		Full Load A	5.8 / 2.9 A
Voltage	230 / 460V 60Hz	Hot	66 s	Locked Rotor A	685 / 685 %
RPM	1200	Cold	94 s	Locked Rotor A	40.0 / 20 A



T-N and I-N Curves

Motor Type: AEGH		Catalogue No: RF1/56C		Family: Rolled Steel TEFC	
HP	1.5	Full Load T	6.73 lb-ft	Full Load A	5.8 / 2.9 A
Voltage	230 / 460V 60Hz	Locked Rotor T	200 %	Locked Rotor A	40.0 / 20.0 A
RPM	1200	Pull Up T	190 %	Break Down T	340 %

