

SELECT MOTOR WINDING
FROM DROP DOWN LIST

A

SELECT TACH WINDING
FROM DROP DOWN LIST

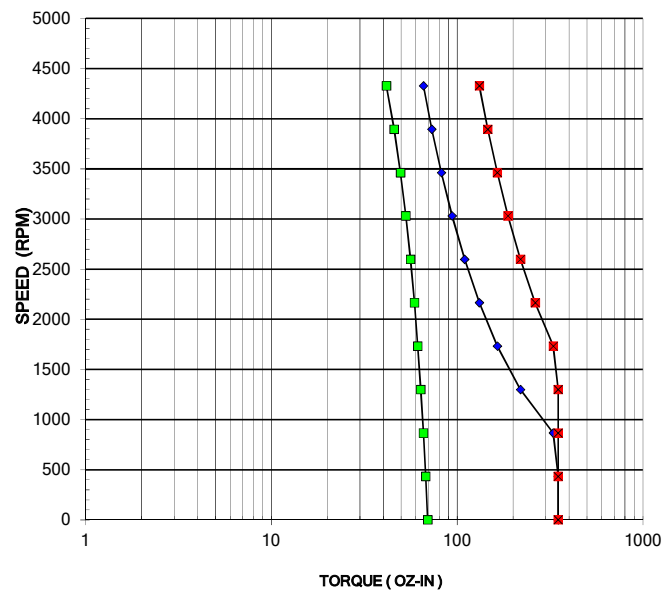
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MODEL NUMBER MH2630 A F

DATE 7/6/2007

SPECIFICATIONS					
Symbol		Units	NOM	MIN	MAX
Tpk	Torque,peak stall	Oz-in			350
Tc	Torque,continuous	Oz-in	69.45	62.51	76.40
Kt	Torque sensitivity	Oz-in/amp	13.60	12.24	14.96
Ra	Armature resistance	ohms	.74	0.63	0.85
La	Armature inductance	millihenry	1.63	1.14	2.12
Ip	Amps at Tpk	amps			25.74
Is	Amps at Tc stall	amps	5.11	4.60	5.62
Kv	Volts back EMF	volt/Krpm	10.06	9.06	11.07
Ep	Volts @ Tpk	volts	21.04		
Fi	Viscous friction	Oz-in/Krpm	0.500		
Tf	Static friction torque	Oz-in	4.50		
Tr	Cogging torque (0 volts)	Oz-in	0.5		
Jm	Moment of inertia	Oz-in sec^2	0.00830		
Tm	Time constant,mech	milliseconds	4.70		
Te	Time constant,elect	milliseconds	2.20		
Rth	Thermal resistance	deg C/watt	3.50		
Tth	Time constant,thermal	minutes	20		
Oa	Max armature temp	deg C	155		
Pb	Commutation	Watts	211		
Kvt	Tachometer sensitivy	volts/Krpm	7.00	-10%	+10%
Rt	Tachometer resistance	ohms	100	-10%	+10%
Tach	Tachometer ripple emf	% of	1.50		

ALL VALUES @ 25 DEG C
CHECKED:
APPROVED:
Drawn:AR



RPM	Trated	EMF	Current
0	69.5	6.7	5.4
433	67.7	10.9	5.3
865	65.8	15.1	5.1
1298	63.7	19.3	5.0
1731	61.4	23.4	4.8
2163	58.9	27.6	4.6
2596	56.1	31.7	4.4
3029	53.0	35.8	4.1
3462	49.6	39.9	3.9
3894	45.8	43.9	3.6
4327	41.5	47.9	3.2

MAX POWER

WATTS	133
HP	0.18
HP	5/28
RPM	4327 @ 41.5 Oz-In

AVERAGE						AMBIENT MAX 70 DEG C		REV(Dt)	Description
Tachometer filter	hertz	1500	10K ohm	load Z	Specifications subject to change without notice			1(7/6/07)	Initial Release
Mtr/Tach resonance	hertz	2000				THE MOTOR IS MOUNTED ON A 10" X 10" X 1/4" ALUMINUM PLATE			
Jt	Tachometer inertia	Oz-in sec^2	0.001						
Wt	Total weight	lbs	5.90						
OTHER SPECIFICATIONS									
Brake holding torque			Max Terminal Voltage			48 VDC			
Brake EMF			Max Sustaining Voltage			48 VDC @ 4327 RPM @ 41.5 Oz-In			
Brake Current			Max (No load) speed			4769 RPM			

Speed / torque curve shown is rated. Typical values are within +/- 10% of rating in an ambient of 25 Deg. C.

sustaining voltage is the max voltage that can be applied to the motor to produce torque at a particular speed