SERIES TT-40

PERFORMANCE SPECIFICATIONS

FIG. : 2. 2. 1. 4 (b)

	tor Parame		TT4020		TT4023		17403		
		Tol	Symbol,	Unite				В	
Horsellower		Raled	hp	hp	1.75	1.75	2	2	3.7
Max operating speed		Max.	w Max.	Migi	2000	2850	1500	2000	180
Continuous forque (stall) #40 °C ambient		Nom.	Tc	10 · 11	10 13.6	10 13.6	13 17.6	13 17.6	18 24.4
Pank torque		Nom	Te	Ib · ft N · m	45 51	45 61	80 81.4	45 61	07 91
Theoretical acceleration		Nom.	« M	rad/sec 2	4500	4500	5000	3750	372
					T	T	1		32.1
Current & cont. torque		Roled	<u> k </u>	amps	20	26 5	19.6	26	120
Current & pank torque		Fleted	d d	amps	90	120	90	90 150	150
Mux. ferminal v	olung o	Max.	1 7	volls	150	160	150	150	100
Torque sonsitivity			1	lb-fl/amp.	0.50	0.38	0.60	0.50	0.50
		± 10%	Kr	N·m/amp	0.88	0.52	0.80	0.68	0.70
Back EMF constant		± 10%	Ko	V/k rpm	71	54	93.7	71.2	79.6
DC registerice & 25°C		± 12.5%	PM	ohms	0.48	0.32	0.57	0.37	0.18
Industance		± 30%	1 1	mH	3	1.7	4	2.25	1.5
lime constant	Moch.	Nom.	74	msec	14.2	18.2	11.0	13.1	10
0 25°C	Elegt.	Nom.	TE	mage	6.25	5.31	7	6.1	5.7
wholese or an overser would shapet, added a		motor Par					p		18.9
Vollage sensitivity		± 10%	Ka	V/k rpm	18.9	18.9	18.9	18.9	2
/oll ringile @ 33 cy/rev		Max.	VA	% avn-pk	2	2	20	20	20
Crusiaturico		# 12.5%	Rı	oluna	2000	2000	2000	2000	200
und resistance		Min.	Fit.	Ohm\$		2000	2200	22	222
nduolarica		± 30%	ا ما ا	mH	22	1 44	L	لـــــــــا	. L
Bai	sio Moto	r-Tachom				- 1			
receive artifice income			Symbol	Unda					0.018
lotor inertia			Ju	kg·m²	0.010 0.014	0.010 0.014	0.012	0.012 0.016	0.018
Антинартин деп тертей дей на дена пода пода подателе на поред на продости пода пода пода пода пода пода пода п Пода пода пода пода пода пода пода пода п				b	75	75	90	80	135
/eight			Wi.	kg (f)	34	34	41	41	61 '
itatic fiction		1	D - 11	0.40	0.40	0.48	0.48	0.60	
		Tr	N·m	0.54	0.54	0.65	0.85	0.80	
hermal lime constant			Tc1	inmules	57	57	BO	80	150
//scous damping			 	tb · II/k rpm	0.08	80.0	0.11	0.11	0.165
∞ Ž bource)			F	N·m/k rpm	0.11	0.11	0.15	0.15	0.224

Other wordings are available to match with amplifier characteristics. For the TT4020/30 and TT4023/3 windings have been generated for system operation up to 3,000 rpm with corresponding changes in peacesteration/deceleration or torque.