

## FEEDBACK FEATURES

### E1 TTL ENCODER

Motor size	TC 40 - 60 - 80
Nominal Voltage	V
Nominal current	mA
Max Frequency	Khz
Electronic type	LINE DRIVER AM 26 LS31
Zero impulse	ONE AT A LAP
Nº of pulses revolution	ppr
Resolution	cpr
Nº of commutation signal	3 DIFFERENTIAL
System accuracy	arc sec
Rotor inertia	Kg cm <sup>2</sup>

Please note: for all motors size **TC 40** - all motors size **TC 60** with encoder TTL the maximum theoretical acceleration is 80.000 rad/s<sup>2</sup>

### R1 RESOLVER 2 poles

Motor size	TC40	TC60 - TC80
Nominal Voltage	Vrms	7±5%
Nominal current	mA	50
Phase shift		+5°
Minimum sin amplitude	mVrms	20
Frequency	kHz	10
Poles number		2
Trasformer ratio		0.5 ± 5%
Input impedance	ohm	160
Output impedance	ohm	130
System accuracy		± 10'
Rotor inertia	Kg cm <sup>2</sup>	0.006

### A1 ABSOLUTE MULTITURN ENCODER

Motor size	TC40 - TC60 - TC80
Nominal Voltage	V
Nominal current	mA
Max frequency fon Sin Cos signal	Khz
Interface type	Hiperface
Nº absolute singleturn steps	4096 (12 Bits)
Nº absolute multiturn steps	4096 (12 Bits)
Nº of sin/cos periods per revolution	128
System accuracy	arc sec
Rotor inertia	Kg cm <sup>2</sup>