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ELECTRIC MOTOR REQUEST FORM

Type of technology: MOTOR DC

Caratteristiche Tecniche – Technical Characteristics

Motor Code: C831

Prestazioni e Specifiche -Performance and Specifications

Applied voltage	48 V
Rated speed	3000 Rpm
Nominal Power	500 W
Nominal Torque	1.6 Nm
Nominal Current	12 A
Peak Torque	11 Nm
Peak Current	50 A
N. Poles	4
Thermal constant	S2 60'
Thermal threshold	KTY84-130
Rotor Moment of Inertia	- kgm ² x10 ⁻⁴

Altre Caratteristiche – Other Characteristics

Insulation Class	F
Ambient Temp.	0 to +40°C
Level of Protection	IP54
Enclosure	Totally enclose; self-cooled

Freno Opzionale - Brake Optional

Rated Voltage +/- 10 %	Vcc
Braking torque	Nm

C831

P Given	I Arm	V Arm	RPM
W	I	V	rpm
3000	200	80.0	4000
2850	190	76.0	3800
2700	180	72.0	3600
2550	170	68.0	3400
2400	160	64.0	3200
2250	150	60.0	3000
2100	140	56.0	2800
1950	130	52.0	2600
1800	120	48.0	2400
1650	110	44.0	2200
1500	100	40.0	2000
1350	90	36.0	1800
1200	80	32.0	1600
1050	70	28.0	1400
900	60	24.0	1200
750	50	20.0	1000
600	40	16.0	800
450	30	12.0	600
300	20	8.0	400
150	10	4.0	200
0	0	0.0	0

