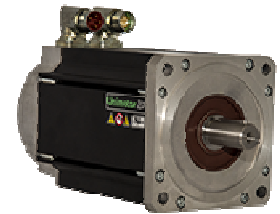


SERVO MOTOR 142U3A300BACAA165240



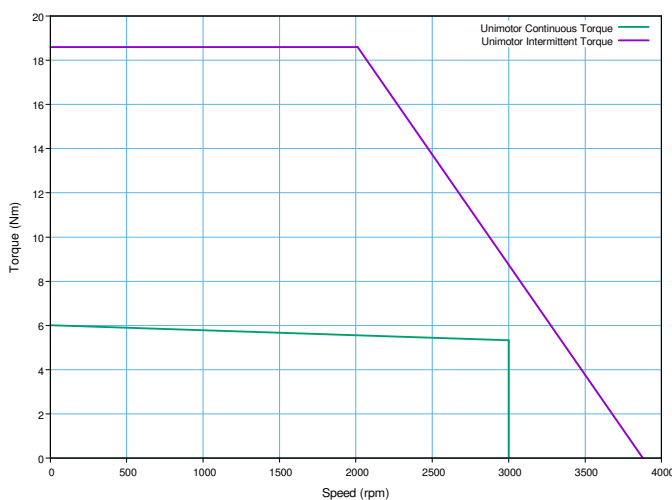
Definition

Type	Unimotor FM	
Frame Size (mm)	142	
Voltage	U	U - 400V
Magnet type	3	3 - Standard
Frame Length	A	
Speed (min-1)	30	3000
Brake	0	Unbraked (0)
Connection type	B	B - Power and Signal 90° rotatable
Output shaft	A	
Feedback device code	CA	CA - 4096 ppr Incremental encoder (CFS50)
Inertia & thermistor	A	
PCD	165	165 (FF 165 / 130)
Shaft Diameter	240	24j6 x 50,0 .
Fan box	-	
Classe d'isolation	F	
UL Motor / UL Stator	UL Motor / UL Stator	

Nominal characteristics

Motor Ambient Temperature (°C)	40	Drive Fsw (kHz)	12
Motor Stall Torque (N.m)	6,20	Stall Current (A)	3,90
Rated Torque (N.m)	5,50	Rated Current (A)	3,4
Motor Peak Torque (N.m)	18,60	Peak Current for Drive Selection (A)	11,62
Rated Power (kW)	1,73	Kt (Nm/A)	1,60
Winding Thermal Time Constant (s)	145	Ke (V/kmin-1)	98,00
Number of Poles	6	R (ph-ph) (Ohm)	6,20
Maximum Cogging (N.m)	0.19	L (ph-ph) (mH)	42,97
Inertia (kg.cm ²)	10,20	Peso del prodotto	9,32
Ingress Protection Level (IP)	IP65		

Torque / speed graph



Configured characteristics

Motor Ambient Temperature (°C)	40
Drive Fsw (kHz)	8
Derating Factor	0,97
Stall Torque with Derating Factor (N.m)	6,01
Nominal Torque after Derating (N.m)	5,33
Peak Torque with Derating Factor (N.m)	18,60

