



N° :

Date : 4 sept. 2018

### SERVO MOTOR 115U3C300CACAA115190



#### Definition

Type	<b>Unimotor FM</b>	
Frame Size (mm)	<b>115</b>	
Voltage	<b>U</b>	U - 400V
Magnet type	<b>3</b>	3 - Standard
Frame Length	<b>C</b>	
Speed (min-1)	<b>30</b>	3000
Brake	<b>0</b> Unbraked	
Connection type	<b>C</b> C - Power 90° rotatable and Signal vertical	
Output shaft	<b>A</b>	Key
Feedback device code	<b>CA</b>	CA - 4096 ppr Incremental encoder (CFS50)
Inertia & thermistor	<b>A</b>	A - Standard
PCD	<b>115</b>	115 (FF 115 / 95)
Shaft Diameter	<b>190</b>	19j6 x 40,0 .
Fan box	<b>-</b>	
Classe d'isolation	<b>F</b>	
UL Motor / UL Stator	<b>UL Motor / UL Stator</b>	

#### Nominal characteristics

Motor Ambient Temperature (°C)	40	Drive Fsw (kHz)	12
Motor Stall Torque (N.m)	10,80	Stall Current (A)	6,80
Rated Torque (N.m)	9,50	Rated Current (A)	5,9
Motor Peak Torque (N.m)	32,40	I max (A)	20,25
Rated Power (kW)	2,98	Kt (Nm/A)	1,60
Winding Thermal Time Constant (s)	116	Ke (V/kmin-1)	98,00
Number of Poles	6	R (ph-ph) (Ohm)	2,30
Maximum Cogging (N.m)	0.14	L (ph-ph) (mH)	15,57
Inertia (kg.cm <sup>2</sup> )	10,00	Weight (kg)	9,90
Ingress Protection Level (IP)	IP65		

#### Torque / speed graph



