

Data sheet

Customer :

N° :

Branch :

Date : 28 avr. 2017

SERVO MOTOR 115U3D300CACAA115240

Unimotor FM 115U3D300CACAA115240



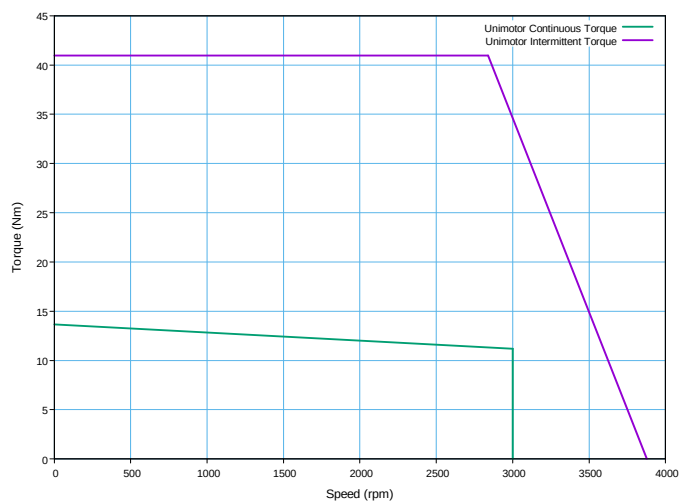
Definition

Type	Unimotor FM	
Frame Size (mm)	115	
Voltage	U	U - 400V
Magnet type	3	3 - Standard
Frame Length	D	
Speed (min-1)	30	3000
Brake	0	Unkraked
Connection type	C	C - Power 90° rotatable and Signal vertical
Output shaft	A	Key
Feedback device code	CA	CA - 4096 ppr Incremental encoder (CFS50)
Inertia & thermistor	A	A - Standard
PCD	115	115 (FF 115 / 95)
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)	13,65	Stall Current (A)	8,50
Rated Torque (N.m)	11,20	Rated Current (A)	7
Motor Peak Torque (N.m)	40,95	I max (A)	25,59
Rated Power (kW)	3,52	Kt (Nm/A)	1,60
Winding Thermal Time Constant (s)	127	Ke (V/kmin-1)	98,00
Number of Poles	6	R (ph-ph) (Ohm)	1,53
Maximum Cogging (N.m)	0.18	L (ph-ph) (mH)	11,60
Inertia (kg.cm²)	12,50	Weight (kg)	11,70
Ingress Protection Level (IP)	IP65		

Torque / speed graph



Version V1.350

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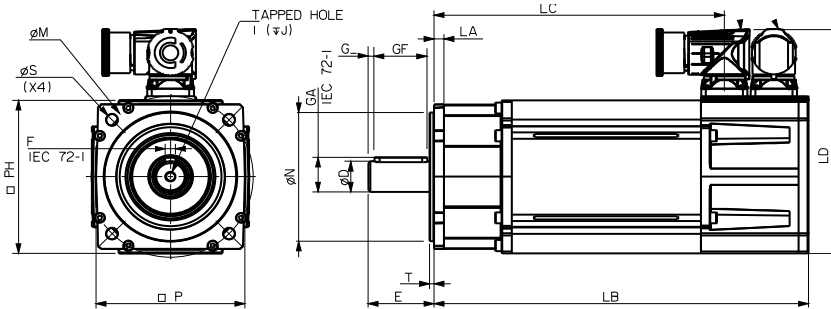
Moteurs Leroy-Somer SAS. Headquarters: Bd Marcellin Leroy, CS 10015, 16915 Angoulême Cedex 9, France. Share Capital: 65 800 512 €, RCS Angoulême 338 567 258.

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Motor (° & mm)

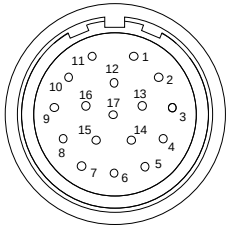


LB	Total length	336,60
LB1	Length with hybrid box	269,80
LC	Power connector position	283,80
LJ	Hybrid box position	269,80
LA	Flange thickness	10,1
T	Register Length	2,8
N	Register Diameter	95,0
LD	Power connector overall height	156,50
LD1	Signal connector overall height	138,80
P	Flange Square	105,0
S	Fixing Hole Diameter	10,0
M	Fixing hole PCD	115
PH	Motor Housing Width	115
D	Shaft Diameter	24j6
E	Shaft Length	50,0
GA	Key Height	27,0
GF	Key Length	40,0
G	Key to Shaft End	4,6
F	Key Width	8
I	Tapped Hole Thread Size	M8x1,25
J	Tapped Hole Depth	20,0
	Mounting Bolt	M8

Motor electrical interface

Feedback device code : CA - 4096 ppr Incremental encoder (CFS50)

Connection type : C - Power 90° rotatable and Signal vertical



- | | |
|---------|------------|
| 1 - CTP | 10 - A |
| 2 - CTP | 11 - Z |
| 3 - - | 12 - Z/ |
| 4 - U | 13 - A/ |
| 5 - U/ | 14 - B |
| 6 - V | 15 - B/ |
| 7 - V/ | 16 - Power |
| 8 - W | 17 - 0V |
| 9 - W/ | Screen |

