

Customer : BMI

N° :

Branch :

Date : 19 févr. 2016

BRUSHLESS MOTOR 089 HD

Unimotor HD 089EDB400BACAA



Net price excluding VAT (€)

Discount (%)

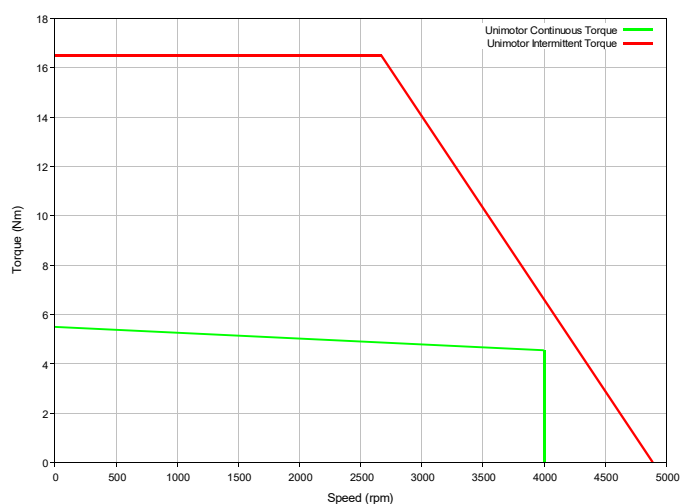
Definition

Type	Unimotor HD	
Frame Size (mm)	089	
Voltage	E	E - 220V
Magnet type	D	D - High dynamic
Frame Length	B	
Speed (min-1)	40	4000
Brake	0	0 - Not fitted
Connection type	B	B - Power and Signal 90° rotatable
Output shaft	A	A - Key
Feedback device code	CA	CA - 4096 ppr Incremental encoder
Inertia & thermistor	A	A - Standard + PTC thermistor
PCD	100	100 (FF 100 / 80)
Shaft Diameter	190	19j6 x 40.0 .
Fan box	-	
Insulation class	F	

Nominal characteristics

Motor Ambient Temperature (°C)	40	Drive Fsw (kHz)	12
Motor Stall Torque (N.m)	5.50	Stall Current (A)	7.90
Rated Torque (N.m)	4.55	Nominal Current (A)	6.5
Motor Peak Torque (N.m)	16.50	I max (A)	23.57
Rated Power (kW)	1.91	Kt (Nm/A)	0.70000
Winding Thermal Time Constant (s)	93	Ke (V/kmin-1)	42.75
Number of Poles	10	R (ph-ph) (Ohm)	0.79
Maximum Cogging (N.m)	0	L (ph-ph) (mH)	5.97
Inertia (kg.cm²)	1.61	Weight (kg)	4.40
Ingress Protection Level (IP)	IP65		

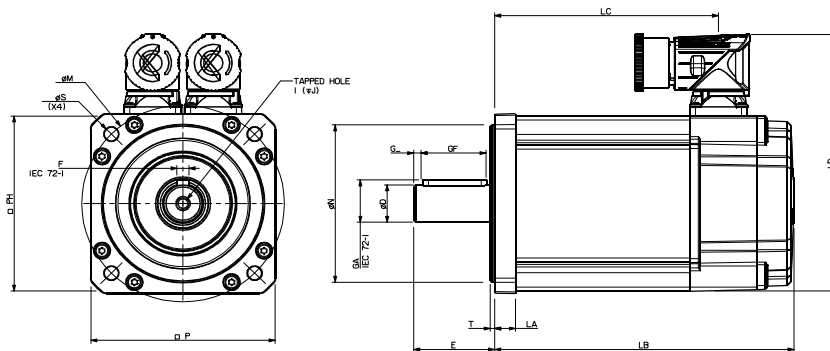
Torque / speed graph



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Motor
(° & mm)

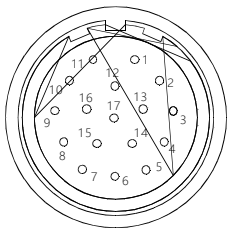


LB Total length LB	190.80
LB1 Length with hybrid box LB1	126.30
LC Power connector position LC	140.50
LJ Hybrid box position LJ	126.30
LA Flange thickness LA	10.3
T Register Length T	2.2
N Register Diameter N	80.0
LD Power connector overall height LD	130.50
LD1 Signal connector overall height LD1	130.50
P Flange Square P	91.0
S Fixing Hole Diameter S	7.0
M Fixing hole PCD M	100
N Register Diameter N	80.0
LA Flange thickness LA	10.3
S Fixing Hole Diameter S	7.0
PH Motor Housing Width PH	89
D Shaft Diameter D	19j6
E Shaft Length E	40.0
GA Key Height GA	21.5
GF Key Length GF	32.0
G Key to Shaft End G	3.6
F Key Width F	6
I Tapped Hole Thread Size I	M6x1
J Tapped Hole Depth J	17.0
Mounting Bolt	M6

Motor electrical interface

Feedback device code : CA - 4096 ppr Incremental encoder

Connection type : B - Power and Signal 90° rotatable



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

