

Enquiry N°: 1382
 Created by: WT
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SERVO MOTOR - 067UDA300BACRA062160-GSAF

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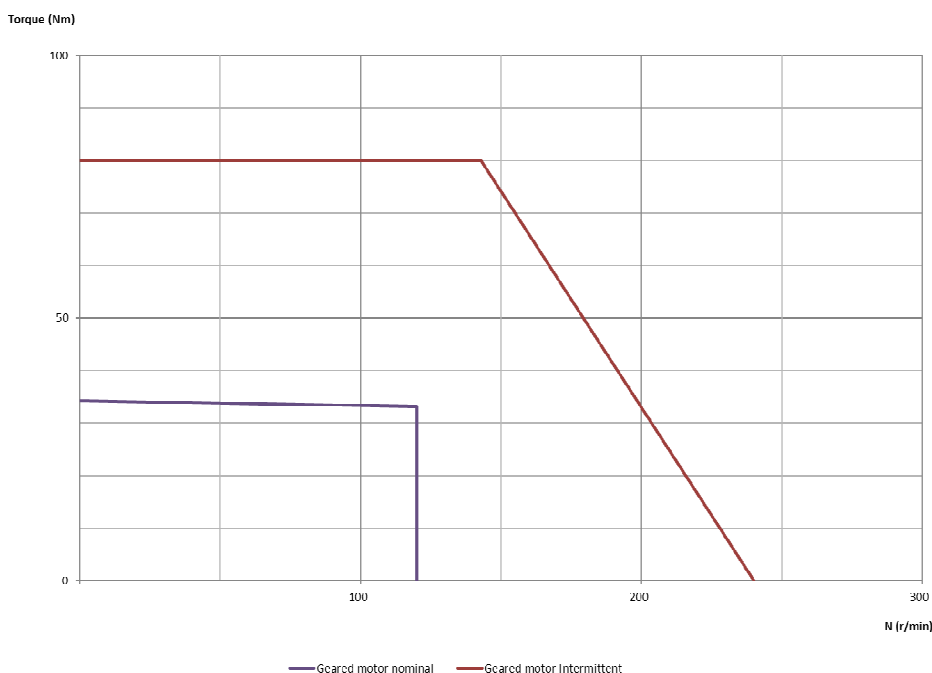
Definition

Type	Unimotor HD	
Frame Size (mm)	067	
Voltage	U	U - 400 V
Magnet type	D	D - High dynamic
Frame Length	A	
Speed (min-1)	30	3000
Brake	0	Unbraked
Connection type	B	B - Power and Signal 90° rotatable
Output shaft	A	Keyed
Feedback device code	CR	CR - 4096 ppr Incremental encoder (R35i)
Inertia & thermistor	A	A - Standard inertia + PTC thermistor
PCD (Gearbox)	062	062
Shaft Diameter (Gearbox)	160	16j6 x 28.0
Fan Box	-	
Insulation class	F	
UL Motor / UL Stator	UL Stator	

Nominal characteristics

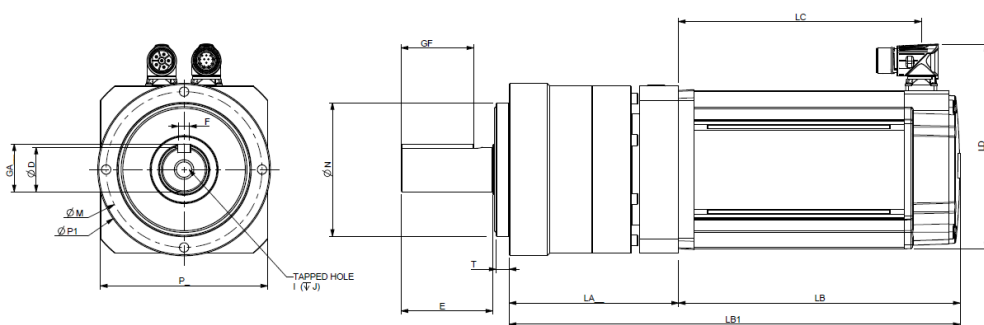
Motor Ambient Temperature (°C)	40	Drive Fsw (kHz)	12
Motor Stall Torque (Nm)	1.44	Stall Current (A)	1.81
Rated Torque (Nm)	1.4	Nominal Current (A)	1.75
Motor Peak Torque (Nm)	4.35	Kt (Nm/A)	0.8
Rated Power (kW)	0.44	Ke (V/kmin-1)	49
Winding Thermal Time Constant (s)	54	R (ph-ph) (Ohm)	11.69
Number of Poles	10	L (ph-ph) (mH)	35.2
Maximum Cogging (Nm)	0.022		
Inertia (kg.cm ²)	0.3	Motor weight (kg)	2.0
Ingress Protection Level (IP)	IP65	Motor + gearbox weight (kg)	3.7

Geared motor torque / speed graph



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Motors (° & mm)



LB	Length (Motor)	142.9
LB1	Total length with Gearbox	242.9
LC	Power connector position	109.0
LA	Flange to Flange (Gearbox)	100.0
T	Register Length (Gearbox)	5.0
N	Register Diameter (Gearbox)	52.0
LD	Connector overall height	111.5
P	Flange Square (Gearbox)	70.0
S	Fixing Hole (Gearbox)	M5
M	Fixing hole PCD (Gearbox)	62.0
PH	Motor Housing Width	67.0
D	Shaft Diameter (Gearbox)	16j6
E	Shaft Length (Gearbox)	28.0
GA	Key Height (Gearbox)	18.0
GF	Key Length (Gearbox)	22.0
G	Key to Shaft End (Gearbox)	0.0
F	Key Width (Gearbox)	5.0
I	Tapped Hole Thread Size (Gearbox)	M5x0.8
J	Tapped Hole Depth (Gearbox)	12.5
	Mounting Bolt (Gearbox)	M5

Motor electrical interface:

Feedback device code: CR - 4096 ppr Incremental encoder (R35i)		Connection type: B - Power and Signal 90° rotatable
1 - Thermistor	10 - A	
2 - Thermistor	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	

