



Specification		
Model	42CBL66	
1	n° of Pole	8
2	n° of Phase	3
3	Rated Voltage	V 24
4	Rated Speed	rpm 4000
5	Rated Torque	Nm 0,15
6	Max. Peak Torque	Nm 0,45
7	Torque Constant	Nm/A 0,04
8	Rated Current	A 3,75
9	Max. Peak Current	A 11,2
10	No-Load Current	mA 400
11	Line to Line Resistance	Ω 0,75
12	Line to Line Inductance	mH 0,8
13	Rotor Inertia	gcm ² 55
14	Length (L)	mm 66
15	Weight	Kg 0,44

Characteristics	
Item	
Hall Effect Angle	120°
Shaft run out	0,025mm
Insulation Class	B
Protection Class	IP40
Radial play (450g load)	0,02mm
Axial play (450g load)	0,14mm
Max. Radial force (10mm from flange)	15N
Max. Axial force	10N
Dielectric strength (for 1 sec.)	650 VAC
Insulation Resistance (min. 500 VDC)	100 Mohm

Connection			
Lead n°	Color	Gauge	Function
1	Red	UL1430 AWG26	VCC Hall +5 to +24VDC
2	Blue		Hall A
3	Green		Hall B
4	White		Hall C
5	Black		GND Hall
6	Yellow	UL1332 AWG22	Phase U
7	Red		Phase V
8	Black		Phase W

Standard Combination	
Gearbox	Drive
GYP42	Gemini
42JMS	

* other options on request