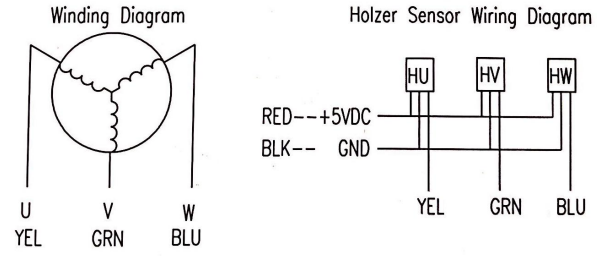
OUTER ROTOR BLDC MOTOR OB425(42mm) ,3 Phase

Standard Leadwire Configuration



Picture



Motor Electrical Specification

Motor Model	OB425-00622	OB425-01032	OB425-01344
Number of Phase		3	
Number of Poles		16	
Rated Voltage(VDC)		24	
Rated Speed(Rpm)		5000	
Rated Torque(N.m)	0.06	0.1	0.13
Rated Power(W)	35	50	70
Rated Current(A)	2.2	3.2	4.4
Peak Current(A)	6.6	9.6	13.2
Peak Torque(N.M)	0.18	0.3	0.39
Rotor Inertia(kg.cm$^{2)}$	0.13	0.23	0.33
Torque Constant(N.m/A)	0.0.3	0.03	0.0.3
Torque Constant(V/krpm)	2.8	2.8	2.8
Line-Line Resistance(Ω)	2.0	1.5	1.0
Line-Line Inductance(mH)	1.5	1.0	0.5
Length(mm)	21.3	26.3	31.3
Weight(kg)	0.12	0.18	0.24

Mechanical Dimensions

