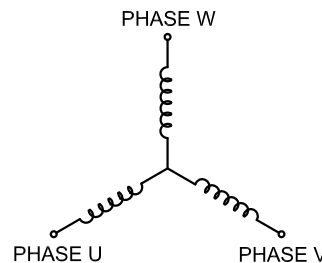
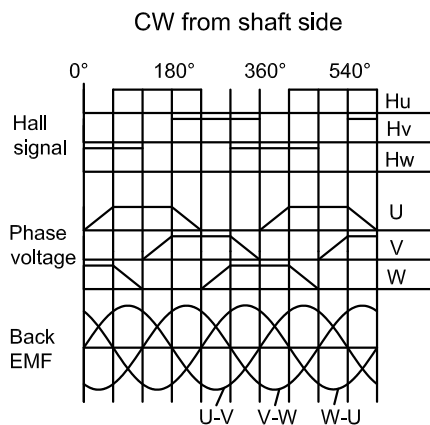


WIRES CONNECTION	
FUNCTION	LEAD WIRE
Motor phase U	ORANGE
Motor phase V	BROWN
Motor phase W	YELLOW
GND	BLACK
Hall sensor 2	GREEN
Hall sensor 1	BLUE
Hall sensor 3	WHITE
VHall 3.3...18VDC	RED



SPECIFICATION	VALUE
NUMBER OF PHASE	3
NUMBER OF POLES	16
RESISTANCE/LINE@20°C	1.42±10%
INDUCTANCE/LINE(mH)@1KHz	0.60±20%
RATED VOLTAGE(VDC)	24
NO LOAD SPEED(RPM)	6500±10%
NO LOAD CURRENT(A)	0.5
RATED TORQUE(mNm)[lb-in]	50[0.44]
RATED SPEED(RPM)	5000
RATED CURRENT(A)	1.6
BACK EMF CONSTANT(Vrms/kRPM)	2.61
TORQUE CONSTANT(mNm/A)	35.3
ROTOR INERTIA(g-cm ²)	99
WEIGHT(Kg)[lb]	0.08[0.18]
TEMPERATURE RISE	MAX.80°C
INSULATION CLASS	B 130°C[266°F]
DIELECTRIC STRENGTH	500VAC 1MIN
INSULATION RESISTANCE(MOhm)@500VDC	100
AMBIENT TEMPERATURE	-25°C~50°C[-13°F~122°F]
DYNAMIC AXIAL LOAD(N)	10
DYNAMIC RADIAL LOAD(N)@SHAFT LENGTH 10 mm	28

SKYSMotor

mm	APVD	3.25.2019
UNIT	CHKD	
1:1	DRN	
SCALE	SIGNATURE	DATE

BRUSHLESS DC MOTOR

45BLE18-24-01