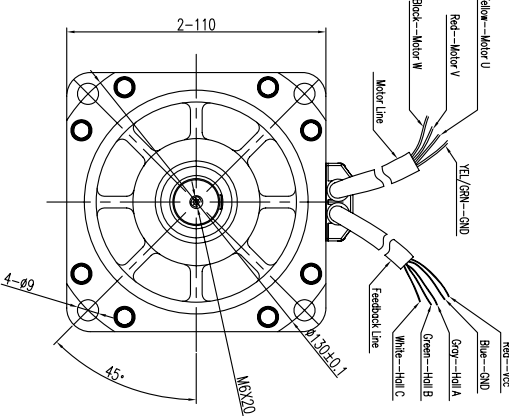
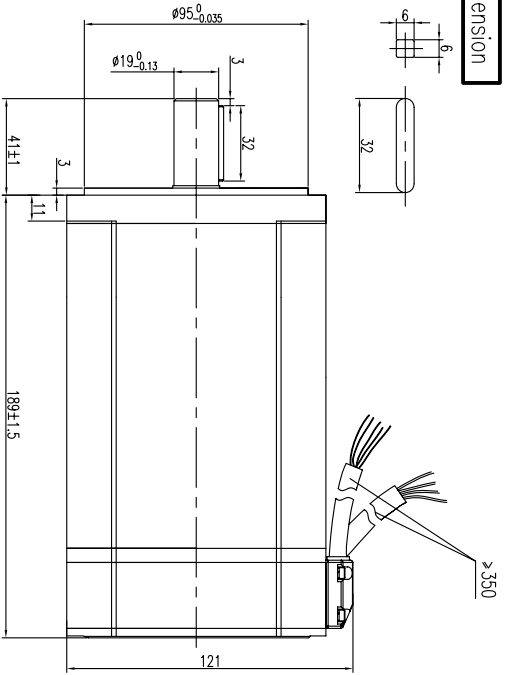
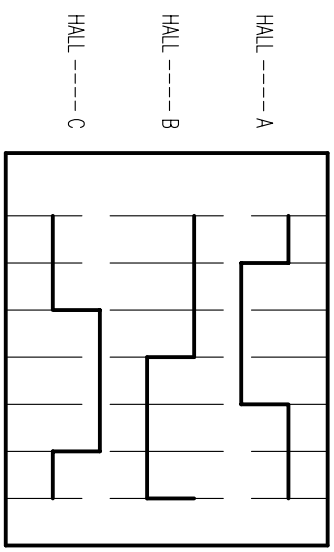


**Dimension**



**Motor to Hall Relationship**



**Line Define**

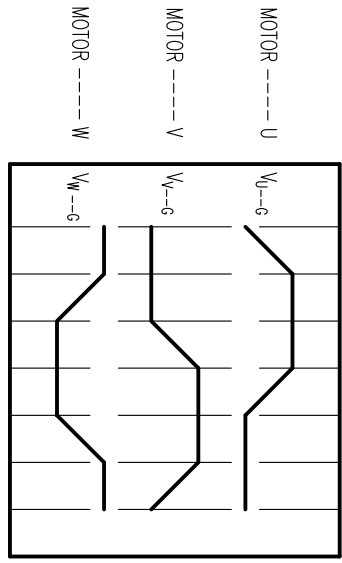
Power Wire

Yellow (16AWG)	Motor U
Red (16AWG)	Motor V
Black (16AWG)	Motor W
YEL/GRN (16AWG)	PE

**Feedback Wire**

Red(24AWG)	Vcc +5V
Blue(24AWG)	GND
Grey(28AWG)	Hall A
Green(28AWG)	Hall B
White(28AWG)	Hall C

ELECT DEGREES 0° 60° 120° 180° 240° 300° 360°



PHASE TO GROUND VOLTAGE  
ROTATION CW FROM THE FLANGE

**Technical Data**

Motor Technical Data	
No. of poles	8
Voltage Ue (V)	310
Rated Power P <sub>n</sub> (W)	1880
Rated Torque T <sub>n</sub> (N.m)	6.0
Rated Speed n <sub>n</sub> (rpm)	3000
Rated Current I <sub>n</sub> (A)	7.5
Resistance line-line R <sub>L</sub> (Ω)	TBD
Inductance line-line L <sub>L</sub> (mH)	TBD
Voltage constant K <sub>v</sub> (V/krpm)	TBD
Torque constant K <sub>t</sub> (Nm/A)	TBD
Rotor moment of inertia J <sub>m</sub> (kg.cm <sup>2</sup> )	8.5
Insulation class	F
Max. radial force F <sub>r</sub> (N)	630
Max. axial force F <sub>a</sub> (N)	315
Weight(kg)	7.2kg
Feedback device	HALL Sensor (switch)
Cooling method	Totally enclosed non-ventilated
protection level	IP54
Temperature	-20°~40°
Humidity	Below 90%RH (No dewing)
Environment	For oily active gas, combustible gas, oil drop, ash.
Installation altitude	Up to 1000m; rated power, above 1000m; 1.5% power decreasing per 100m; max. 4000m

REV	EN NO.	DESCRIPTION	DATE	DESIGN	DATE	P.N.
UNLESS OTHERWISE SPECIFIED						
TOLERANCES			CHECK			
DECIMALS: ±0.5			APPD			
ANGULAR: ±0°30'			SCALE			
.xx ±0.25			SHEET			
.xxx ±0.1			OF			
UNIT: mm			KINAVO MOTOR			
DO NOT SCALE DRAWING						