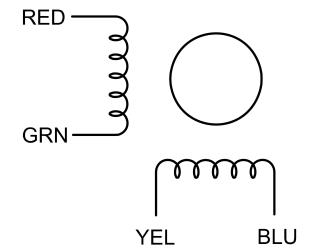


SPECIFICATION	CONNECTION	BIPOLAR
AMPS/PHASE		4.20
RESISTANCE/PHASE(Ohms)@25°C		0.70±10%
INDUCTANCE/PHASE(mH)@1KHz		3.00±20%
HOLDING TORQUE(Nm)[lb-in]		4.00[35.40]
STEP ANGLE(°)		1.80
STEP ACCURACY(NON-ACCUM)		±5.00%
LEAD STYLE		FVR 4X0.5mm ² CABLE
LIFE(h)		6000
TEMPERATURE RISE:MAX.80°C (MOTOR STANDSTILL;FOR 2PHASE ENERGIZED)		
AMBIENT TEMPERATURE -10°C~50°C[14°F~122°F]		
INSULATION RESISTANCE 100 Mohm (UNDER NORMAL TEMPERATURE AND HUMIDITY)		
INSULATION CLASS B 130°C[266°F]		
DIELECTRIC STRENGTH 500VAC FOR 1MIN.(BETWEEN THE MOTOR COILS AND THE MOTOR CASE)		
AMBIENT HUMIDITY MAX.85%(NO CONDENSATION)		

TYPE OF CONNECTION (EXTERN)		MOTOR	
PIN NO	BIPOLAR	LEADS	WINDING
1	A —	RED	
2	C —	GRN	
3	B —	YEL	
4	D —	BLU	

FULL STEP 2 PHASE-Ex.,
WHEN FACING MOUNTING END (X)

STEP	A	B	C	D		
1	+	+	-	-	↓	CCW
2	-	+	+	-		
3	-	-	+	+	↑	CW
4	+	-	-	+		



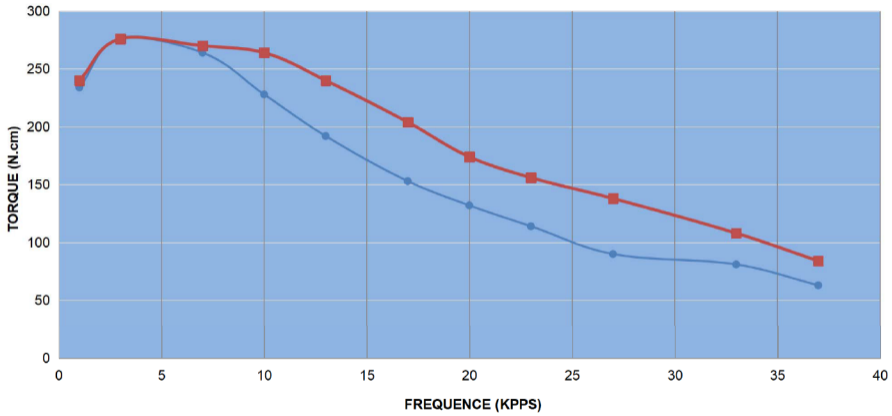
APVD		11.1.2021
CHKD		
1:1.5	DRN	
SCALE	SIGNATURE	DATE

STEPPER MOTOR

HL65-042-00040x

PULL OUT TORQUE CURVE OF HL65

Voltage:36/48V
RMS :4A



0 150 300 450 600 750 900 1050 1200

SPEED (RPM)