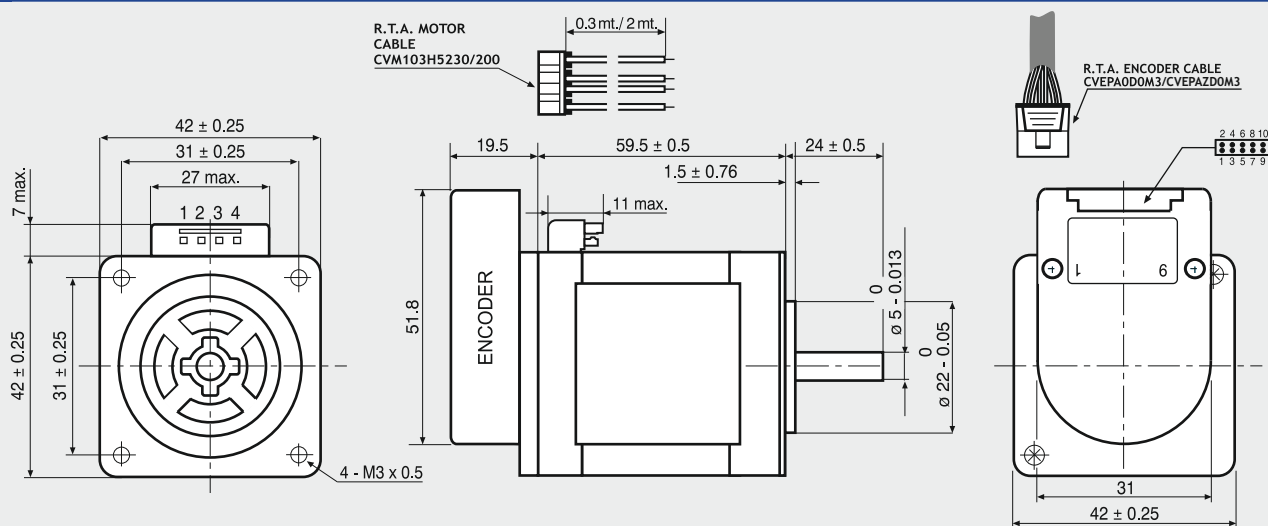


EM 1H3H-OXXO

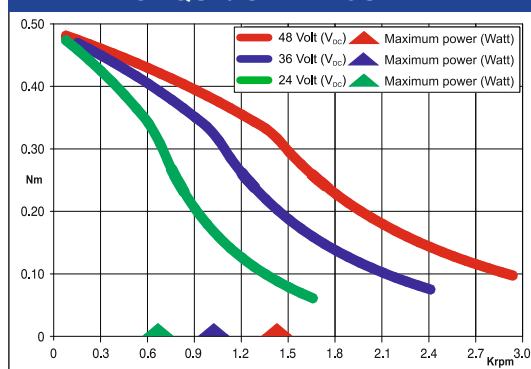
Dimensions (Unit:mm)



SANYO DENKI MOTOR FEATURES

MODEL	EM 1H3H-OXXO	
SANYO DENKI MOTOR CODE	103-H5212-4610	
BASIC STEP ANGLE	1.8° ± 0.09°	
BIPOLAR PARALLEL CURRENT	(A)	2.0
RESISTANCE	(Ohm)	1.5
INDUCTANCE	(mH)	3.0
BIPOLAR HOLDING TORQUE	(Ncm)	65
ROTOR INERTIA	(Kgm ² × 10 ⁻⁷)	110
THEORETICAL ACCELERATION	(rad × sec. ⁻²)	59000
BACK E.M.F.	(V/Krpm)	32
MASS	(Kg)	0.50
LEADS CODE	V	

TORQUE/ SPEED CURVE



103-H5212-4610 MOTOR NEEDS CVM103H5230 R.T.A. CABLE. CONTACT R.T.A. FOR FURTHER DETAILS.

ENCODER OPTIONS:	EM 1H3H-04D0	EM 1H3H-04E0	EM 1H3H-0HE0
RESOLUTION	400 cpr	400 cpr	4000 cpr
INDEX	No	Yes	Yes
CURRENT CONSUMPTION (mA)	50	50	85
HIGH LEVEL OUTPUT (Volt)	5 (TIP) - 4.75 (MIN) (I _{max} =25mA)	3.4 (TIP) - 2.4 (MIN) (I _{max} =20mA)	3.4 (TIP) - 2.4 (MIN) (I _{max} =20mA)
LOW LEVEL OUTPUT (Volt)	0.25 (TIP) - 0.6 (MAX) (I _{max} =25mA)	0.2 (TIP) - 0.4 (MAX) (I _{max} =20mA)	0.2 (TIP) - 0.4 (MAX) (I _{max} =20mA)
OUTPUT SIGNAL	Differential	Differential	Differential
MAXIMUM FREQUENCY (KHz)	100	100	720
POWER SUPPLY VOLTAGE (Volt)	5 V _{DC} ± 10%	5 V _{DC} ± 10%	5 V _{DC} ± 10%

ENCODER NEEDS CVEPA0D0M3 OR CVEPAZD0M3 R.T.A. CABLE. CONTACT R.T.A. FOR FURTHER DETAILS

DESCRIPTION	RTA MOTOR CABLE COLORS		ENCODER PIN-OUT		
	CVM103H52200 COLORS	CVM103H5230 COLORS	04D0 PINS	04E0/0HE0 PINS	R.T.A. CABLE LEADS COLOR
CHANNEL A	ORANGE	WHITE	6	6	GREEN
CHANNEL A-	BLUE	GREEN	5	5	PURPLE
CHANNEL B	YELLOW	YELLOW	8	8	BLUE
CHANNEL B-	RED	BROWN	7	7	BROWN
+ DC (5V)			2	2	RED
GROUND			3	3	BLACK
INDEX+			/	10	ORANGE
INDEX-			/	9	WHITE

Suggested R.T.A. drive series: BSD, CSD, FLEX-DRIVE



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