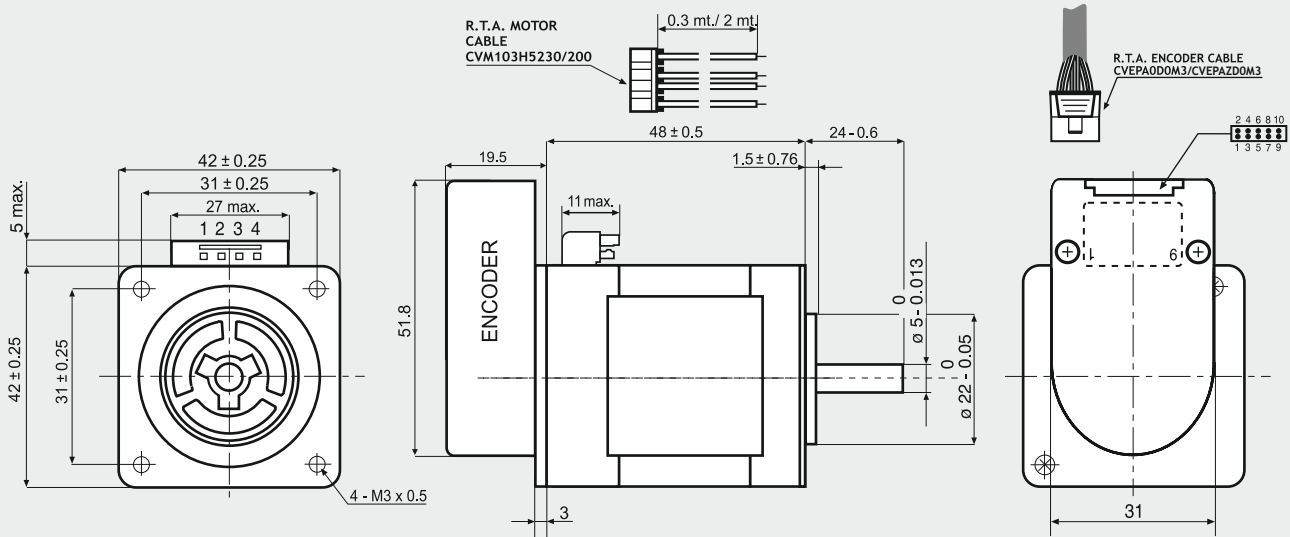


EM 1H2H-OXXO

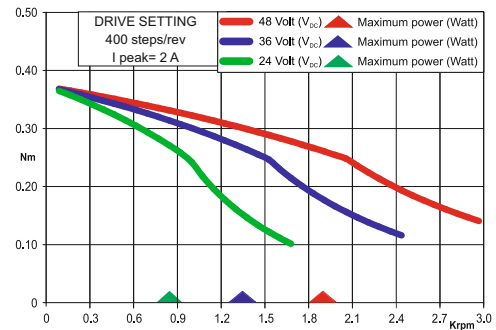
Dimensions (Unit:mm)



SANYO DENKI MOTOR FEATURES

MODEL	EM 1H2H-OXXO	
SANYO DENKI MOTOR CODE	103-H5210-4512	
BASIC STEP ANGLE	1.8° ± 0.09°	
BIPOLAR PARALLEL CURRENT (A)	2.0	
RESISTANCE (Ohm)	1.25	
INDUCTANCE (mH)	2.4	
BIPOLAR HOLDING TORQUE (Ncm)	51	
ROTOR INERTIA (Kg·m ² × 10 ⁻⁷)	74	
THEORETICAL ACCELERATION (rad × sec. ⁻²)	69000	
BACK E.M.F. (V/Krpm)	14	
MASS (Kg)	0.35	
LEADS CODE	V	

TORQUE/SPEED CURVE



103-H5210-4512 MOTOR NEEDS CVM103H5230 OR CVM103H52200 R.T.A. CABLES. CONTACT R.T.A. FOR FURTHER DETAILS.

ENCODER OPTIONS:	EM 1H2H-04D0	EM 1H2H-04E0	EM 1H2H-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

A 1 A- 2 B 3 B- 4	RTA MOTOR CABLE COLORS		ENCODER PIN-OUT				
	DESCRIPTION	CVM103H52200 COLORS	CVM103H5230 COLORS	DESCRIPTION	04D0 PINS	04E0/OHE0 PINS	R.T.A. CABLE LEADS COLOR
	CHANNEL A	ORANGE	WHITE	CHANNEL A+	6	6	GREEN
	CHANNEL A-	BLUE	GREEN	CHANNEL A-	5	5	PURPLE
	CHANNEL B	YELLOW	YELLOW	CHANNEL B+	8	8	BLUE
	CHANNEL B-	RED	BROWN	CHANNEL B-	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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