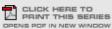
GEAR MOTORS



WIDEST RANGE OF GEAR RATIOS AVAILABLE

GENERAL SPECIFICATIONS

DC Operating Voltage	5 / 12		
Gear Train Rating:			
Static Running*	141.2 mN•m / 20 oz-in 70.6 mN•m / 10 oz-in		
Max. Operating Temperature	100°C		
Insulation Resistance at 500Vdc	100MΩ		
* Measured with 2 phases energized			



The specifications in this publication are believed to be accurate and reliable. However, it is the responsibility of the product user to determine the suitability of Portescap products for a specific application. While defective products will be replaced without charge if promptly returned, no liability is assumed beyond such replacement.

Portescap Danaher Motion motors will not be CE marked where the Low Voltage Directive, the Electro-Magnetic Compatibility or other appropriate EU directives are not applicable - this is an EU legal requirement.

GEAR MOTORS | 26M Type 'V' SERIES

TECHNICAL SPECIFICATIONS

	UNIP	OLAR	BIPOLAR		
Part Number	26M048B1U	26M048B2U	26M048B1B	26M048B2B	
DC Operating Voltage	5	12	5	12	
Resistance per Winding (ohms)	19.6	110	19.8	108	
Inductance per Winding (mH)	5.3	36.5	13.0	60.7	
Holding Torque* (mN•m/oz-in) (motor only)	9.2 / 1.3	9.2 / 1.3	10.6 / 1.5	10.6 / 1.5	
Rotor Moment of Inertia (g.m ²)	1.1×10^{-4}	1.1×10^{-4}	1.1×10^{-4}	1.1×10^{-4}	
Step Angle* (motor only)	7.5°	7.5°	7.5°	7.5°	
Steps per Revolution* (motor only)	48	48	48	48	
Gear Train Rating (mN•m / oz-in)					
Static	141.2 / 20	141.2 / 20	141.2 / 20	141.2 / 20	
Running*	70.6 / 10	70.6 / 10	70.6 / 10	70.6 / 10	
Max. Operating Temperature	100°C	100°C	100°C	100°C	
Ambient Temperature Range					
Operating	-20°C to 70°C	-20°C to 70°C	-20°C to 70°C	-20°C to 70°C	
Storage	-40°C to 85°C	-40°C to 85°C	-40°C to 85°C	-40°C to 85°C	
Bearing Type	Bronze sleeve	Bronze sleeve	Bronze sleeve	Bronze sleeve	
Insulation Resistance at 500Vdc	100 megohms	100 megohms	100 megohms	100 megohms	
Dielectric Withstanding Voltage	650±50 VRMS 60 Hz, 2 sec				
Weight (g/oz)	57.2 / 2	57.2 / 2	57.2 / 2	57.2 / 2	
Leadwires	28 AWG	28 AWG	28 AWG	28 AWG	

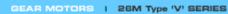
* Measured with 2 phases energized

GEAR MOTORS | 26M Type 'V' SERIES

GEAR RATIO

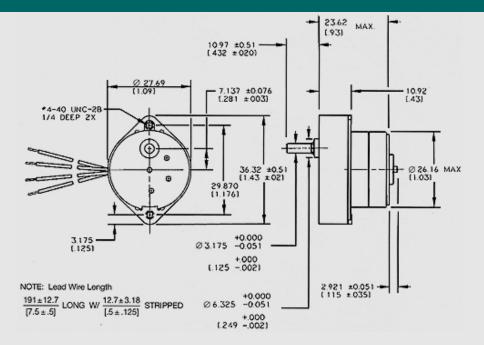
Part Suffix	Gear Ratio	Output Step Angle*	Output Speed RPM @100 PPS*	Running Torque @ 100 PPS* mN•m/oz-in
-V11	2:1	3.75°	62.50	8.9 / 1.16
-V16	5:1	1.5°	25.00	17.01 / 2.41
-V19	7.5:1	1.00°	16.66	21.08 / 3.00
-V21	10:1	.75°	12.50	28.24 / 4.00
-V24	15:1	.50°	8.33	35.30 / 5.00
-V27	20:1	.375°	6.25	46.88 / 6.64
-V31	30:1	.25°	4.17	70.6 / 10.00
-V37	60:1	.125°	2.09	112.96 / 16.00

* Measured with 2 phases energized



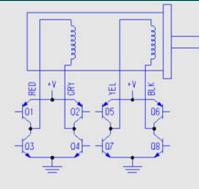
MECHANICAL DIMENSIONS

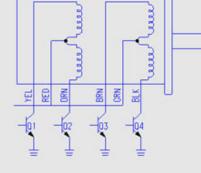
UNITS = MM / INCHES

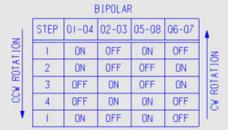


WIRING DIAGRAM

(FOR MOTOR ONLY)





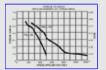


		U	NIPOLA	R		
11	STEP	01	02	03	04	
CCW R01AT10N	1	ON	OFF	ON	OFF	
	2	ON	OFF	OFF	ON	101
	3	OFF	ON	OFF	ON	ROTAT
	4	OFF	ON	ON	OFF	3
1	1	ON	OFF	ON	OFF	

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GEAR MOTORS | 26M Type 'V' SERIES

MOTOR DYNAMICS



26M048B Type 'V', Bipolar

26M048B Type 'V', Unipolar

CLICK ON A THUMBNAIL TO MAGNIFY

