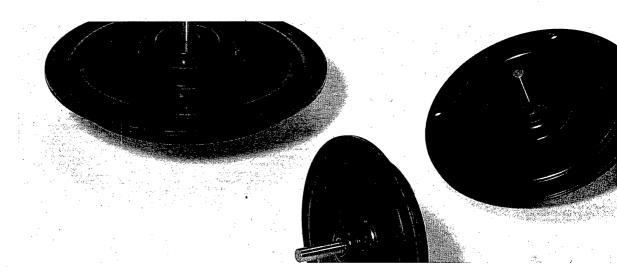
Print Motors DC SERVOMOTORS

NEO JUNIOR SERIES
TYPE UGPMEM-

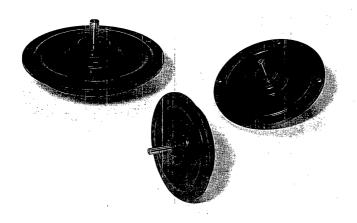






Because of unique disc-armature structure, Print Motor features low inertia, small size, light weight, pancake shaped, long-life, and low cost, so that it is employed for various applications.

Neo Junior Series uses rare earth magnets and aims at high power density (output / motor mass ratio). This motor is ideal for motor-operated field operations, driving source for cordless equipment, and others.



589-132

FEATURES

- High power density characteristics (output/motor mass ratio)
- Pancake shaped and compact design because of the use of rare earth magnets
- · High efficiency and long-life with non-ferrous-coil structure



The Deming Application Prize Medal Awarded to Yaskawa in 1984 for Exceptional Achievement in Industrial Performance

APPLICATIONS

Agriculture and Forestry, Fisheries: Lawn Mowers, Drainage Pumps

Cordless Equipment: Road Cleaning Machines, Fuel Pumps Leasure Industry: Playing Machines, Submersible Scooters

RATINGS AND SPECIFICATIONS

Time Rating: Continuous Insulation Class: Type B

Insulation-Proof Pressure: 500VAC/min

Protection Method: Totally-Enclosed Self-Cooled (Type EE)

Ambient Temperature: $-10 \text{ to } +40^{\circ}\text{C}$

Motor Type	The second of th					
Specifications	07A1 09A1 12AB					
Rated Output :W	40 185					
Rated Torque	0.095					
oz.in	27.1 Table 27.1 (1.5)					
Peak Torque	0.38 0.76					
enjeganski olitog system klasticka sudski sine sine sine sine sine sine sine sin	54.2					
Rated Speed	4000 4000 4000					
Maximum Speed	5000 5000 5000					
Rated Armature Voltage	23					
Rated Armature Current A	2.7 A state of the					
Rated Power Rate	0.45					
kg∙m²×10 ⁻⁴ Rotor Moment of Inertia	0.2°					
Roton woment of meta. $0.2 \cdot \ln s^2 \times 10^{-3}$	2.83 4.82 21.2					

ORDERING INFORMATION

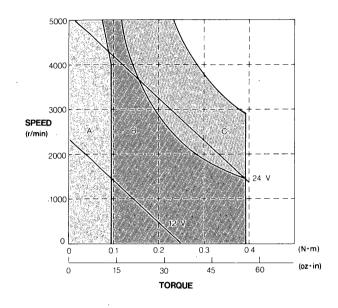
Application

Type

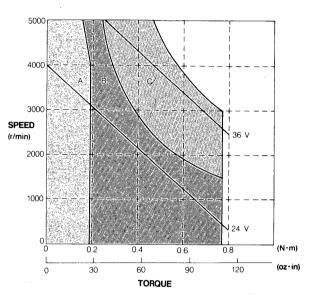
Ratings: output, voltage, current, torque, speed
 Environmental conditions: ambient temperature, location
 Others to be specified

MOTOR PERFORMANCE INFORMATION

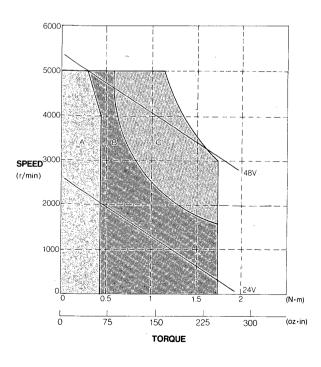
UGPMEM-07A1



UGPMEM-09A1



UGPMEM-12AB



A: Continuous Duty Zone

B: Intermittent Duty Zone

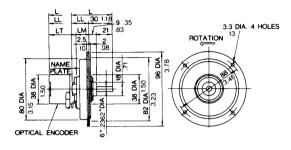
C: Accel-decel Duty Zone

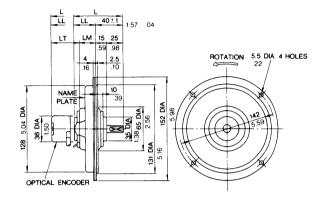
Typical. at 100°C (armature winding temp.)

DIMENSIONS in mm inch

UGPMEM-07A1

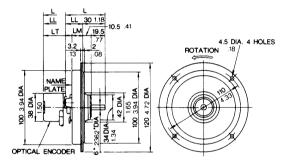
UGPMEM-12AB







UGPMEM-09A1



Туре	PG	L	LL	LM	ĽΤ	* Allowable Tolerance	Weight kg lb	Allowable Radial Load N 1b	Allowable Thrust Load N 1b
UCPMEM-07A12		53 2.09	23 0.906			0 0	0.36 0.79	19.6 4.4	9. 8 2.2
UGPMEM-07A12 E	PG	83 3:27	53 2.09	18 0.709	35 1.38	-0.012 - 0.0005	0. 44 0.97	19.6 4.4	9.8 2.2
UGPMEM-09A12		.55 2.17	25 0.98			0 0	0.68 1.50	24 .5 5.5	9.8 2.2
UGPMEM-09A12 E	PG	85 3.35	55 2.17	15 0.59	40 1.57	-0.012 -0.0005	0.76 1.68	24 .5 5.5	9.8 2.2
UGPMEM-12AB2		72.5 2.85	32.5 1.28			0 0	1. 30 2.87	68.6 15.5	68.6 15.5
UGPMEM-12AB2 E	PG	106 4.17	66 2.60	25 0.98	41 1.61	-0.015 -0.00059	1. 40 3.10	68.6 15.5	68.6 15.5

Print Motors

DC SERVOMOTORS

NEO JUNIOR SERIES TYPE UGPMEM-

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