

RATIOS NOW AVAILABLE.

Fitted with RE995 (12v) Motor:

995D41	Ratio	4:1
995D531	Ratio	53:1
995D1001	Ratio	100:1
995D4881	Ratio	488:1

Fitted with RE995 (24v) Motor:

995D41/24V	Ratio	4:1
995D531/24V	Ratio	53:1
995D1001/24V	Ratio	100:1
995D4881/24V	Ratio	488:1

Designed for industrial applications this robust unit boasts a powerful high quality 12 pole motor with carbon brushes & ball raced bearings. The metal gearbox incorporates ballrace bearings, enabling the high torque transfer from the motor to be transmitted through the gearbox.

MOTOR DATA. (RE995)

MODEL	VOLTAGE		NO LOAD		AT MAXIMUM EFFICIENCY						STALL TORQUE	
	OPERATING RANGE	NOMINAL	SPEED R.P.M.	CURRENT A	SPEED R.P.M.	CURRENT A	TORQUE oz-in	TORQUE g-cm	OUTPUT W	EFF %	oz-in	g-cm
RE995 (12V)	12	12v Constant	5100	1.5	4760	3.3	9.72	700	34.2	86	53.47	3850
RE995 (24V)	24	24v Constant	5100	0.8	4830	2.4	13.88	1000	49.6	86	76.39	5500

GEARBOX DATA.

PART NO	RATIO	REDUCTION TABLE RPM (No Load) ^o		WEIGHT	TORQUE RATING AT:	
		12v	24v		12v (g.cm) [^]	24v (g.cm) [^]
995D41	4:1	1275		1.60kg	2240	
995D41/24V	4:1		1275	1.60kg		3200
995D531	53:1	96		2.13kg	22260	
995D531/24V	53:1		96	2.13kg		31200
995D1001	100:1	51		2.13kg	42000	
995D1001/24V	100:1		51	2.13kg		60000
995D4881	488:1	10		2.36kg	100000	
995D4881/24V	488:1		10	2.36kg		100000

NOTES:^o Motor speeds may vary by + or - 12.5%

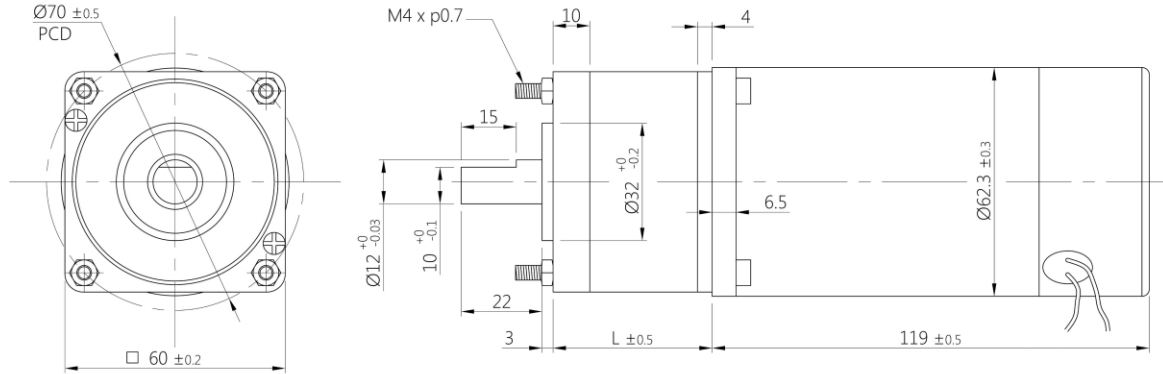
[^] Geared Motor Torque Ratings at Maximum Efficiency. To establish Torque Rating in Nm, divide g.cm by 10197.0

995D SERIES	
No Load Backlash	Max 3 deg.
Max Radial Load (10mm from flange)	20000gf.
Shaft Axial Load	10000gf.

IMPORTANT NOTICES:

At very low ratios the torque produced by this geared motor combination may exceed the maximum permissible torque of the gearbox. In this situation the unit must not be allowed to stall as this may damage the gears. Due to the wide range of applications for this product it is the users responsibility to establish the products suitability for their individual purpose(s).

995D SERIES TECHNICAL DRAWING



RATIO	L
4:1	43.3
53:1	74.3
100:1	74.3
488:1	89.8

NOTE: all diameters in mm

ADVANTAGES OF PLANETRY GEARBOXES

EFFICIENCY:	Efficiencies of planetary gearboxes can be above 90% while some other types of transmission can be 50% or less. This allows the use of smaller motors.
SIZE:	Planetary gearboxes can be half the size of conventional boxes.
WEIGHT:	Weight savings can be as high as 60%, allowing smaller, lighter support structures.
MAINTENANCE:	Other than routine oil changes, no maintenance is required, eliminating the need to hold spares.
REVERSIBLE:	Planetary gears can be equally efficient in either direction. This is an advantage for use in running machinery in both clockwise and anti-clockwise directions.
COAXIAL:	The coaxial configuration of input and output shafts allows planetary gears to be installed in line with a motor and a machine.

Subject to minimum order quantities of 250 units, the following ratios are also available with a six week lead-time. The physical dimensions of these other gearboxes may vary from the data as illustrated above. Details of individual gearboxes are available upon request.

GEARBOX 3:1 with 995 motor
 GEARBOX 12:1 with 995 motor
 GEARBOX 15:1 with 995 motor
 GEARBOX 19:1 with 995 motor

GEARBOX 43:1 with 995 motor
 GEARBOX 66:1 with 995 motor
 GEARBOX 81:1 with 995 motor
 GEARBOX 113:1 with 995 motor

GEARBOX 150:1 with 995 motor
 GEARBOX 230:1 with 995 motor
 GEARBOX 285:1 with 995 motor
 GEARBOX 353:1 with 995 motor

GEARBOX 546:1 with 995 motor
 GEARBOX 676:1 with 995 motor