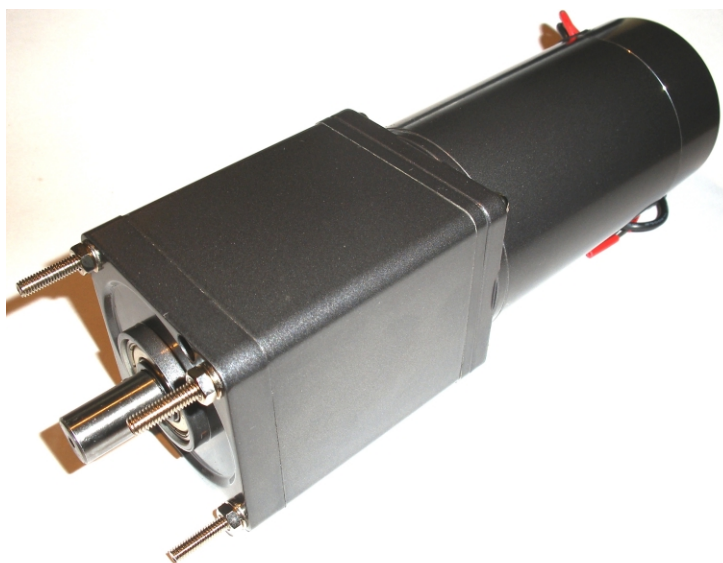


998D SERIES 90mm DIA EPICYCLIC GEARED MOTOR. METAL GEARBOX

RE-998 MOTOR



RATIOS NOW AVAILABLE

998D41	(12v)	RATIO 4:1	998D41/24V	(24v)	RATIO 4:1
998D521	(12v)	RATIO 52:1	998D521/24V	(24v)	RATIO 52:1
998D981	(12v)	RATIO 98:1	998D981/24V	(24v)	RATIO 98:1
998D5171	(12v)	RATIO 517:1	998D5171/24V	(24v)	RATIO 517:1

Designed for industrial applications this robust unit boasts a powerful high quality 16 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. (RE-998) 12V

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
RE-998 (12v)	12	12v Constant	2000	1.1	1700	5.3	35	2500	43.6	69	191	13750

MOTOR DATA. (RE-998) 24V

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
RE-998 (24v)	24	24v Constant	2000	0.6	1800	3.7	44	3200	59	66	244	17600

REDUCTION TABLE. R.P.M. (NO LOAD)

SUPPLY VOLTAGE	12v	SUPPLY VOLTAGE	24v
998D41	500	998D41/24v	500
998D521	38	998D521/24v	38
998D981	20	998D981/24v	20
998D5171	4	998D5171/24v	4

WEIGHT	
998D41	3.64kg
998D521	4.90kg
998D981	4.90kg
998D5171	5.53kg

Note: Motor speeds may vary by (+) or (-) 12.5%

GEARED MOTOR TORQUE RATINGS AT MAX. EFFICIENCY.

	At 12v (g.cm)	At 24v (g.cm)
4:1	8000	10240
52:1	78000	99840
98:1	147000	150000
517:1	180000	180000

998D SERIES	
No Load Backlash	Max 4 deg.
Max Radial Load (10mm from flange)	40000gf.
Shaft Axial Load	10000gf.

NOTE: To establish Torque Rating in Nm, divide g.cm by 10,197.0

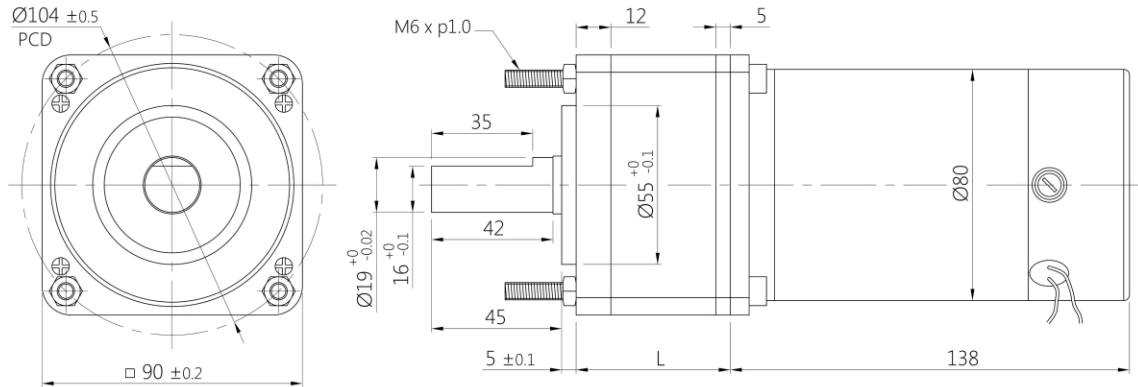
IMPORTANT NOTICE

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.

IMPORTANT NOTICE

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).

998D SERIES 90mm DIA EPICYCLIC GEARED MOTOR. METAL GEARBOX



RATIO	L
4:1	53.3
52:1	86.3
98:1	86.3
517:1	102.8

NOTE: all diameters in mm

ADVANTAGES OF PLANETARY 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 15:1 WITH 998 MOTOR
GEARBOX 19:1 WITH 998 MOTOR

GEARBOX 60:1 WITH 998 MOTOR
GEARBOX 77:1 WITH 998 MOTOR

GEARBOX 201:1 WITH 998 MOTOR
GEARBOX 294:1 WITH 998 MOTOR

GEARBOX 403:1 WITH 998 MOTOR