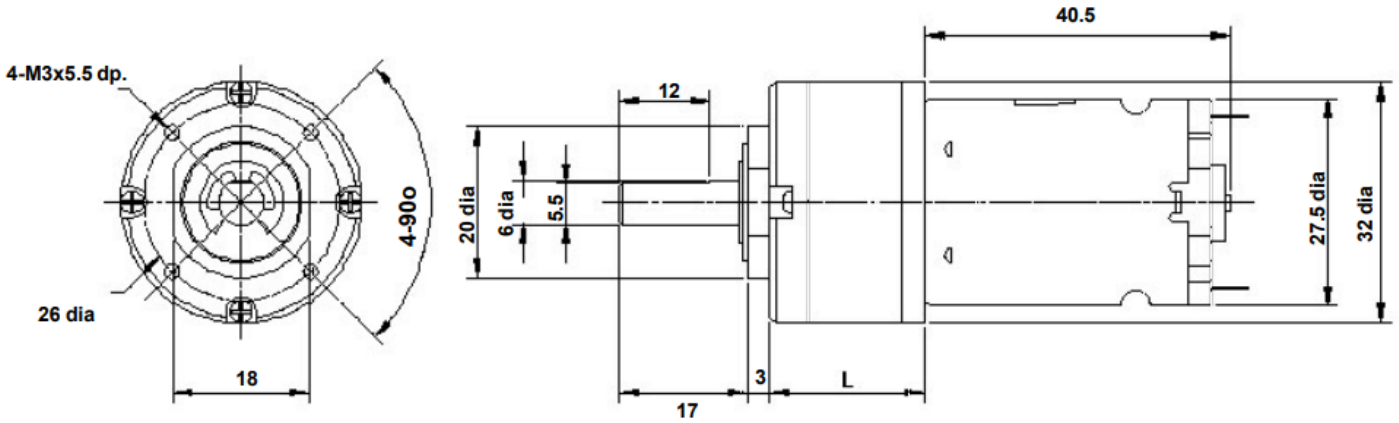
ENGLISH

Datasheet

RS Pro 32mm Planetry (Epicyclic) MetalGearbox

Stock No: 834-7616



L = 40.0

Voltage	No Load		At Maximum Efficiency						
Operating Range	Nominal	Speed	Current	Speed	Current	Torque		Output	Eff
		R.P.M.	A	R.P.M.	A	OZ - IN	G - CM	W	%
4.5 – 15	12 V Constant	11646	0.18	9869	0.99	1.09	78.4	7.98	66.1

Stall Torque		Weight
OZ - IN	G - CM	241g
7.13	513.5	

REDUCTION TABLE R.P.M. (No Load)

	4.5V	6.0V	9.0V	12.0V	15.0V
834-7616	6	8	12	16	20

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

No Load Backlash	Max. 2.5 deg.
Max. Radial Load: (10mm from flange)	3000gf.
Shaft Axial Load	2500gf.

Designed for heavy-duty industrial and model applications this robust unit boasts a powerful high quality, five pole motor with sintered bronze bearings.

The metal gearbox incorporates sleeved bearings, enabling the high torque transfer from the motor to be transmitted through the gearbox.

RE385 Motor (Ratio 721:1)

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).

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.

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.