

# Geared Stepper motors

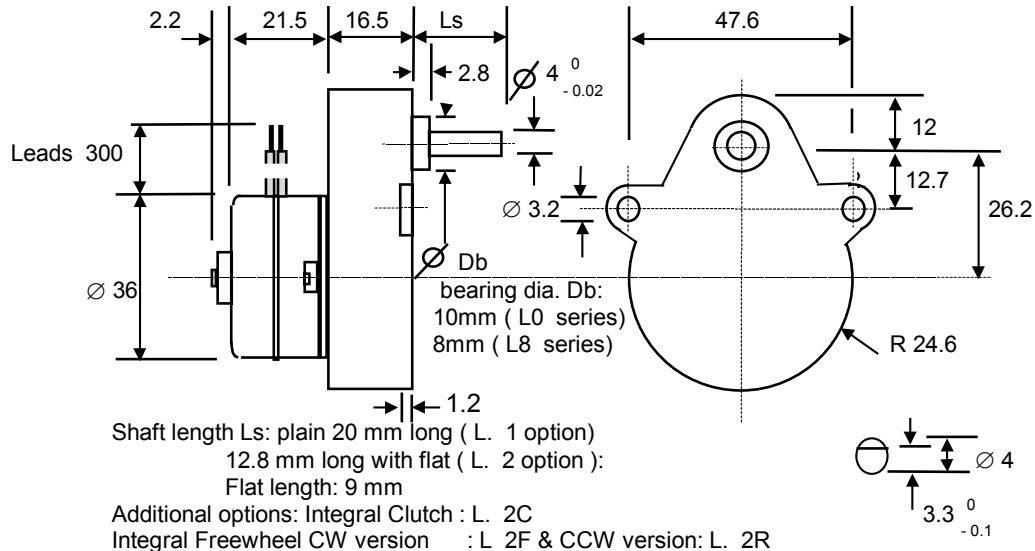
## P535 series

The P5-M35 series provides a combination of optimum size and price for use in instrumentation applications that require digital control of position and speed. Features include:

- High performance permanent magnet stepper motor
- Precision Ovoid gearhead incorporating metal gears for optimum torque transmission
- Wide range of standard gear ratio options from stock
- Choice of output shaft options
- Optional integral freewheel and clutch
- Special shaft and gear ratios to meet customer special requirements



### Dimensions: mm



### P535-L48 geared stepper motor performance

Geared Stepper Motor	Ratio	Steps per rev. at output	Holding Torque ( Ncm )	Max Working Torque ( Ncm )	Typical Working Torque ( Ncm )
P535-L48 -G01....	25:6	200	8.1	5.1	3.0
-G03	25:4	300	12.2	7.7	4.5
-G04	25:3	400	16.2	10.2	6.0
-G05	10:1	480	17.6	11.1	6.5
-G06	25:2	600	21.9	13.8	8.1
-G08	50:3	800	29.2	18.4	10.8
-G09	20:1	960	35.1	22.1	13.0
-G11	25:1	1,200	43.9	27.6	16.3
-G14	100:3	1,600	58.5	36.8	21.7
-G16	125:3	2,000	73.1	46.0	27.1
-G17	50:1	2,400	80	55.3	32.5
-G19	125:2	3,000	80	61.6	36.3
-G21	250:3	4,000	80	80	48.3
-G23	125:1	6,000	80	80	72.5
-G27	250:1	12,000	80	80	80
-G34	500:1	24,000	85	85	85
-G41	1250:1	60,000	90	90	90

Standard Versions:

Number of phases  
 Rated voltage ( L/R Drive)  
 Current per phase ( mA )  
 Resistance per phase ( Ohms )

**P535L48 1U**

**P535L48 2U**

4  
 5  
 450  
 11

4  
 12  
 180  
 64

Step rate @  
 typical working  
 torque  
 L/R : 200 Hz  
 L/4R: 450 Hz