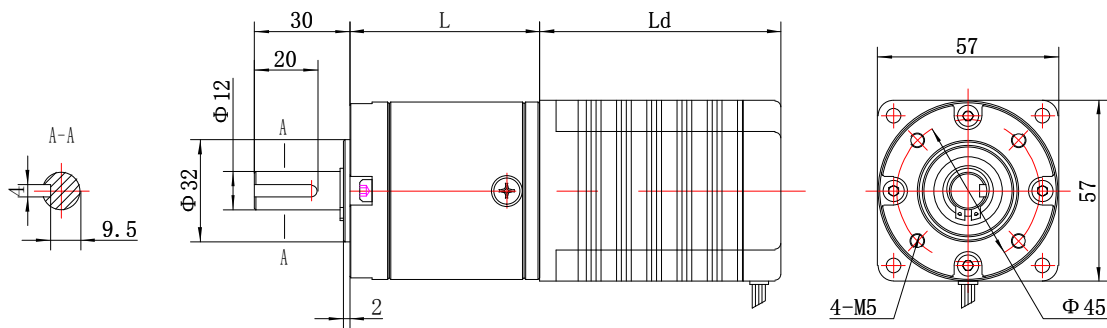


## 56PA/57BYG PLANET GEAR STEPPER MOTOR

- Housing Material: Metal
- Backlash at No-Load:  $\leq 1^\circ$
- Bearing at Output: Ball or Sleeve
- Permissible Overhung Load:  $\leq 2.5\text{kg}$
- Permissible Thrust Load:  $\leq 0.5\text{kg}$
- Max. Radial Play:  $\leq 0.05\text{mm}$
- Max. Thrust Play:  $\leq 0.3\text{mm}$



### ● Mechanical Dimensions



### ● Gear Box Data

Reduction Ratio	X:1	3.6	4.25	12.96	15.3	18.063	46.656	55.08	65.025	76.766
Number of gear trains	#	1	1	2	2	2	3	3	3	3
Max Permissible Torque	kg.cm	200	200	300	300	300	400	400	400	400
Moment Permissible Torque	kg.cm	400	400	500	500	500	600	600	600	600
Gear Box Length	mm	49.5	49.5	64.5	64.5	64.5	79.5	79.5	79.5	79.5

### ● Motor Specifications

Model	Step Angle	Length (Ld)	Phase Voltage	Phase Current	Phase Resistance	Phase Inductance	Holding Torque	Lead Wire
	°	mm	V	A	$\Omega$	mH	kg.cm	#
57BYGH41(M)-144-4A/B	1.8/0.9	41	4.1	1.44	2.85	5.4	4	4
57BYGH51(M)-144-4A/B	1.8/0.9	51	4.74	1.44	3.3	8.2	9	4
57BYGH56(M)-100-6A/B	1.8/0.9	56	7	1.00	7.6	10	9	6
57BYGH56(M)-280-4A/B	1.8/0.9	56	2.52	2.80	0.9	2.5	12.5	4
57BYGH76(M)-200-6A/B	1.8/0.9	76	5	2.00	2.25	3.6	13.5	6
57BYGH76(M)-280-4A/B	1.8/0.9	76	3.16	2.80	1.13	3.6	18.9	4

Replace □ with A = single shaft; replace □ with B = double shaft

#### Product Code:

<b>56</b>	<b>PA</b>	<b>13</b>	<b>G</b>	/	<b>57</b>	<b>BYG</b>	<b>41</b>	-	<b>144</b>	-	<b>4</b>	<b>A</b>
Size	Type	Ratio	Bearing		Size	Type	Length		Current		# leads	Shaft
56mm	Planetary	13:1	Ball		57mm	Hybrid	41mm		1.44A		4	single