## **90 WATT**

Frame Size: 90 x 90 mm

Continuous Operation, Carbon Brush Permanent Magnet Motor Speeds are 3000 / 1500 RPM and further low speeds with Gearbox Lead Wires for connection

Model	Output Power W	Current A	Supply Voltage V	Rated Torque	Rated Speed		
90 90 4AWGI	90	7.5	12 V DC	7.5	1500		
90 90 4AXGI	90	3.75	24 V DC	7.5	1500		
90 90 4AYGI	90	0.5	180 V DC	7.5	1500		

## **Gear motor Torque Table:**

The maximum permissible torque is 200 kg.cm

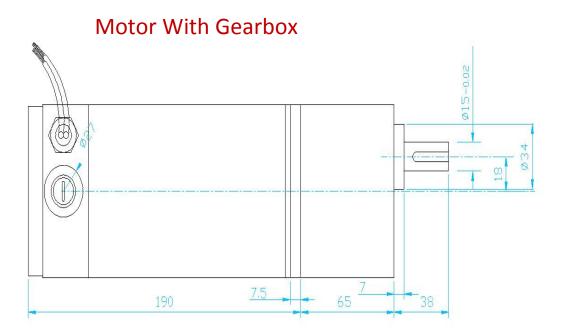
Unit: kg.cm

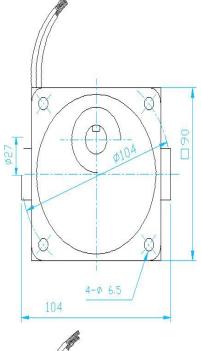
RPM	50	0 416	300	250	200	166	120	100	83	60	50	41	30	25	20	16	15	12.5	10	8.3
<b>Gear Ratio</b>	3	3.6	5	6	7.5	9	12.5	15	18	25	30	36	50	60	75	90	100	12	0 150	180
<b>Output Torque</b>	24	28	40	48	60	72	90	108		1	28 16	2 19	6 200	200	200	200 2	00 20	0 20	0 200	200

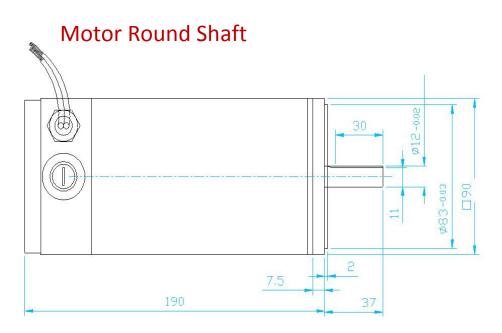
A Colored background indicates gear shaft rotation in the same direction; a White background indicates rotation in the opposite direction as the motor shaft

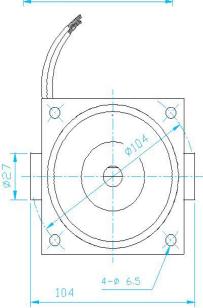
The Speed of Geared Motor is calculated by dividing the motor's Rated speed by the gear ratio. The actual Speed is 2~20 % less than the displayed value, depending on the size of the load. Characteristics, specifications and dimensions are subject to change without notice

## **Dimensions**









## Key and Keyway

