

# PM STEPPING GEARMOTOR

## 42BY/40JB4K

### PM stepping gear motors 齿轮减速永磁步进电机

#### ● 型号说明 Indications of the model number

电动机型号(TYPE OF MOTOR) ← → 减速器型号(TYPE OF GEAR)

<b>42</b>	<b>BY</b>	<b>06</b>	<b>/</b>	<b>40JB</b>	<b>4K</b>	<b>120</b>
电机座号 Frame	产品 Sort	电压 Voltage		减速器型号 Type of reducer	最大允许负载 Max. permissible load	减速比 Ratio
42mm	永磁步进电机	06:6V 12:12V 24:24V		40mm 偏心出轴 减速器	4kg.cm	1:120



#### ● 电动机主要技术参数 Motor technical Data

电机型号 TYPE	相数 Number of phase	分配方式 Manner of distribution	步角 Stepping angle	每相绕组电阻 Phase resistance Ω	激磁电压 Exciting voltage V	空载起动频率 No-load starting frequency PPS	空载运行频率 No-load operating frequency PPS	额定起动转矩 Rated starting torque g.cm/PPS	每相静态电流 Static phase current mA
42BY06	4	2-2	7.5	20 ± 10%	6	450	480	50/300	300
42BY12	4	2-2	7.5	30 ± 10%	12	300	350	140/300	400
42BY24	4	2-2	7.5	200 ± 10%	24	420	330	160/200	126
42BY24	4	2-2	7.5	150 ± 10%	24	500	330	180/200	160

#### ● 减速以后的允许负载 Permissible load of gearmotor

42BY06/40JB4K (20Ω)

减速比 Reduction ratio	10	25	30	50	75	100	120	150
减速级数 Number of gear trains	2	3	3	4	4	5	5	5
额定起动转矩 Rated starting torque kg.cm/pps	0.4/300	0.91/300	1.1/300	1.6/300	2.5/300	3.0/300	3.5/300	4.0/300
带减速器后步角 Stepping angle deg	0.75	0.3	0.25	0.15	0.1	0.075	0.0625	0.05
减速器最大允许转矩 Max. permissible load of gearhead kg.cm	1.5	2	2	3	3	4	4	4

42BY12/40JB4K (30Ω)

减速比 Reduction ratio	10	25	30	50	75	100	120	150
减速级数 Number of gear trains	2	3	3	4	4	5	5	5
额定起动转矩 Rated starting torque kg.cm/pps	1.1/300	2.5/300	3.1/300	4.0/300	4.0/300	4.0/300	4.0/300	4.0/300
带减速器后步角 Stepping angle deg	0.75	0.3	0.25	0.15	0.1	0.075	0.0625	0.05
减速器最大允许转矩 Max. permissible load of gearhead kg.cm	1.5	2	2	3	3	4	4	4

42BY24/40JB4K (200Ω)

减速比 Reduction ratio	10	25	30	50	75	100	120	150
减速级数 Number of gear trains	2	3	3	4	4	5	5	5
额定起动转矩 Rated starting torque kg.cm/pps	1.2/300	2.8/30	3.5/300	4.0/300	4.0/300	4.0/300	4.0/300	4.0/300
带减速器后步角 Stepping angle deg	0.75	0.3	0.25	0.15	0.1	0.075	0.0625	0.05
减速器最大允许转矩 Max. permissible load of gearhead kg.cm	1.5	2	2	3	3	4	4	4

#### ● 外形安装尺寸和接线图 Dimensions And Wiring Diagram

