

60JB25K/5478-2420 60JB25K/5478-2430

PM DC gear motors

Motor Technical Data

TYPE	Rated voltage VDC	No-load speed r/min	Rated speed r/min	Rated torque kg.cm	Output power W	Rated current A	Stem current A
5478-2420	24	2000	1600	350	5.7	0.5	2.5
5478-2430	24	3000	2600	390	10.4	0.8	5

Gear Motor Technical Data

5.7W 60JB25K/5478-2420 PM DC gear motors

Reduction ratio	6	10	12.5	15	20	25	30	40	60	75	100	150
Number of gear trains	2	3	3	3	4	4	4	4	5	5	5	6
Efficiency %	81	72	72	72	66	66	66	66	59	59	59	53
No-load speed r/min	333	200	160	133	100	80	67	50	33	27	20	13
Rated speed r/min	267	160	128	107	80	64	53	40	27	21	16	10
Rated torque kg.cm	1.7	2.5	3.1	3.8	4.6	5.8	6.9	9.2	12.4	15.5	20.6	25
kg.cm												
Max permissible load in a short time	15	15	15	15	25	25	25	25	50	50	50	50
Direction of Rotation	CW,CCW	CW,CCW	CW,CCW	CW,CCW	CW,CCW	CW,CCW	CW,CCW	CW,CCW	CW,CCW	CW,CCW	CW,CCW	CW,CCW

10.4W 60JB25K/5478-2430 PM DC gear motors

Reduction ratio	6	10	12.5	15	20	25	30	40	60	75	100	150
Number of gear trains	2	3	3	3	4	4	4	4	5	5	5	6
Efficiency %	81	72	72	72	66	66	66	66	59	59	59	53
No-load speed r/min	500	300	240	200	150	120	100	75	50	40	30	20
Rated speed r/min	433	260	208	173	130	104	87	65	43	35	26	17
Rated torque kg.cm	1.9	2.8	3.5	4.2	5.1	6.4	7.7	10.3	13.8	17.2	23	25
kg.cm												
Max permissible load in a short time	15	15	15	15	25	25	25	25	50	50	50	50
Direction of Rotation	CW,CCW	CW,CCW	CW,CCW	CW,CCW	CW,CCW	CW,CCW	CW,CCW	CW,CCW	CW,CCW	CW,CCW	CW,CCW	CW,CCW

Use condition

Temperature of condition : -10~+50℃

Comparatively humidity: <85%(25℃)

Figure

- (1) Index of speed allow error $\pm 10\%$
 (2) Can making other characteristics motor

Dimensions

Reduction ratio	L
3 ~ 15	35
25 ~ 150	45

