

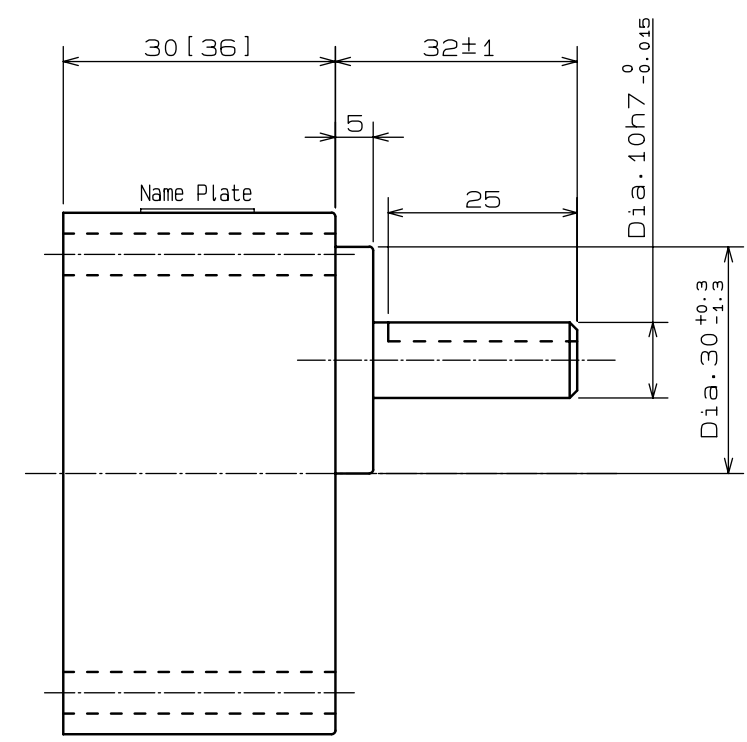
SQ-MIM0119002

Do NOT scale the drawings. Instead, rely on the dimensions and their definitions.

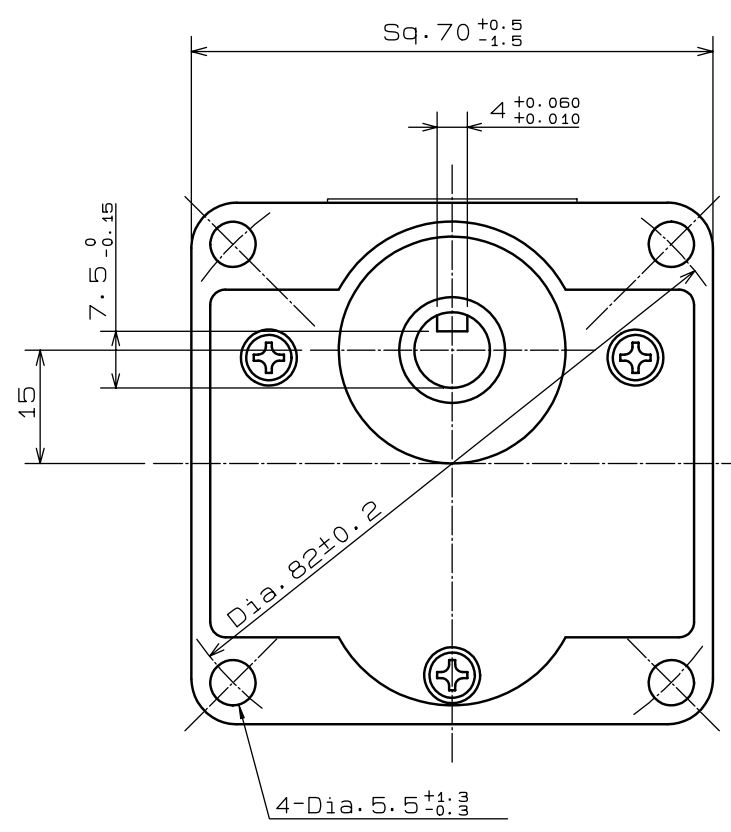
Panasonic

Model: MX7G3BA~MX7G180B Bearing type: Ball bearing

Compact AC geared motor
Type : Gear head



Note: The value in '[]' is for gear ratio of 1/30 or larger.



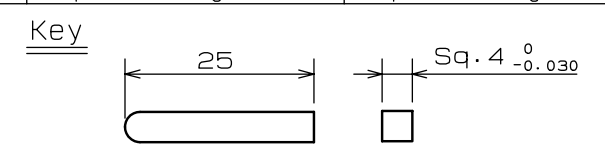
General Dimension Tolerance (±)								
Assembly					Angle			
					Dimension of A (Shorter Side)			
Up to 6	Over 6 to 30	Over 30 to 120	Over 120 to 300	Over 300	Up to 10	Over 10 to 50	Over 50 to 100	Over 100
0.3	0.5	0.7	1.2	2.0	5°	3°	1.5°	45°

General Specification

- Color: standard color. (Dark brown).
- Operational temperature: -10°C~+40°C
Operational humidity: Less than 85%RH
- Maximum overhung load: 196N
remarks: Point of 16mm from the shaft-end.
- Maximum thrust load: 39N
- Speed (min⁻¹) figures are based on synchronous speed.
The actual output min⁻¹ under rated torque conditions is about 2~20% less than synchronous speed.
- Do not tap the shaft at the gearhead when installing a pulley or a sprocket.
Heavy tapping might cause unnecessary noise.
- Attach the pulley or sprocket to the bottom end of the output shaft.
- Make sure the O-ring (for oil seal) is located in the right position on the bracket of the motor when assembling the motor and the gear head.
- Since grease is enclosed in the gear box, pay extra caution for its affect to other material such as plastic.

Accessories

Type	MX7G3BA~MX7G25BA	MX7G30B~MX7G180B
Cross recessed head screws	M5 P0.8 length 50mm 4Pieces	M5 P0.8 length 55mm 4Pieces
Plain washers	for M5 4Pieces	for M5 4Pieces
Nuts	M5 P0.8 4Pieces	M5 P0.8 4Pieces
Key	as par drawing 1Piece	as par drawing 1Piece



Geared motor maximum permissible torque table

Model	MX7G 3BA	MX7G 3.6BA	MX7G 5BA	MX7G 6BA	MX7G 7.5BA	MX7G 9BA	MX7G 10BA	MX7G 12.5BA	MX7G 15BA	MX7G 18BA	MX7G 20BA	MX7G 25BA	MX7G 30B	MX7G 36B	MX7G 50B	MX7G 60B	MX7G 75B	MX7G 90B	MX7G 100B	MX7G 120B	MX7G 150B	MX7G 180B	
Nominal gear reduction ratio	3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	50	60	75	90	100	120	150	180	
Actual gear reduction ratio	2.99	3.64	4.95	6.08	7.48	8.98	10.1	12.6	14.9	18.0	19.8	25.3	30.2	36.4	49.8	59.9	75.4	90.8	100.7	119.2	147.6	180.0	
Speed (min ⁻¹)	50Hz	500	416.7	300	250	200	166.7	150	120	100	83.3	75	60	50	41.7	30	25	20	16.7	15	12.5	10	8.3
	60Hz	600	500	360	300	240	200	180	144	120	100	90	72	60	50	36	30	24	20	18	15	12	10
Permissible torque N·m	Motor output	50Hz	0.16	0.19	0.25	0.30	0.38	0.46	0.51	0.64	0.77	0.93	0.98	1.27	1.47	1.76	2.55	3.04	3.63	4.31	4.80	4.90	4.90
		60Hz	0.13	0.16	0.22	0.25	0.32	0.38	0.44	0.53	0.64	0.77	0.85	1.08	1.27	1.47	2.16	2.55	3.04	3.63	4.03	4.80	4.90
	Motor output	50Hz	0.24	0.28	0.39	0.47	0.59	0.71	0.80	0.98	1.18	1.37	1.57	1.86	2.25	2.74	3.82	4.61	4.90	4.90			
		60Hz	0.20	0.24	0.32	0.39	0.49	0.59	0.66	0.81	0.98	1.18	1.27	1.57	1.86	2.25	3.23	3.82	4.80	4.90			
Rotation direction of output shaft	same as the motor shaft											opposite direction of the motor shaft											

MARCHAND CLASS IM1 TRACE

Scale	MATSUSHITA ELECTRIC INDUSTRIAL CO.,LTD.	Agreement	Model	MX7G3BA~MX7G180B
1 : 1	3rd Angle System	Unit:mm	Name	OUTLINE DRAWING
Designed	WADA	Checked	Checked	Checked
2006/11/09	2006/11/09	2006/11/09	No.	SQ-MIM0119002