SQ-MIM0119102

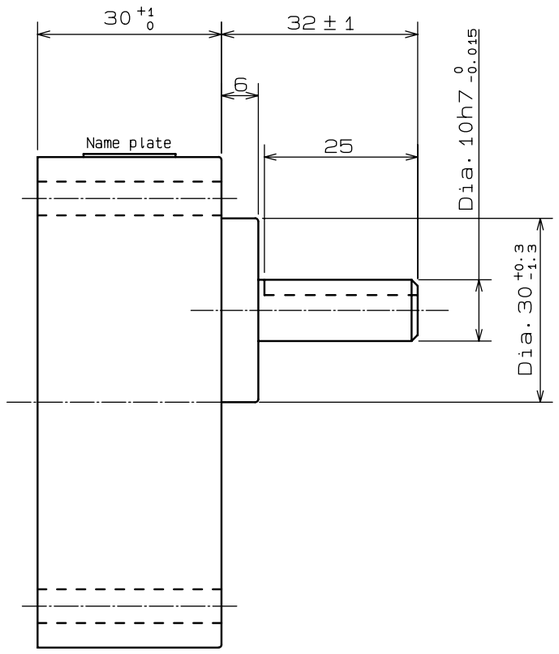
Do NOT scale the drawings.
instead rely on the dimensions
and their definitions

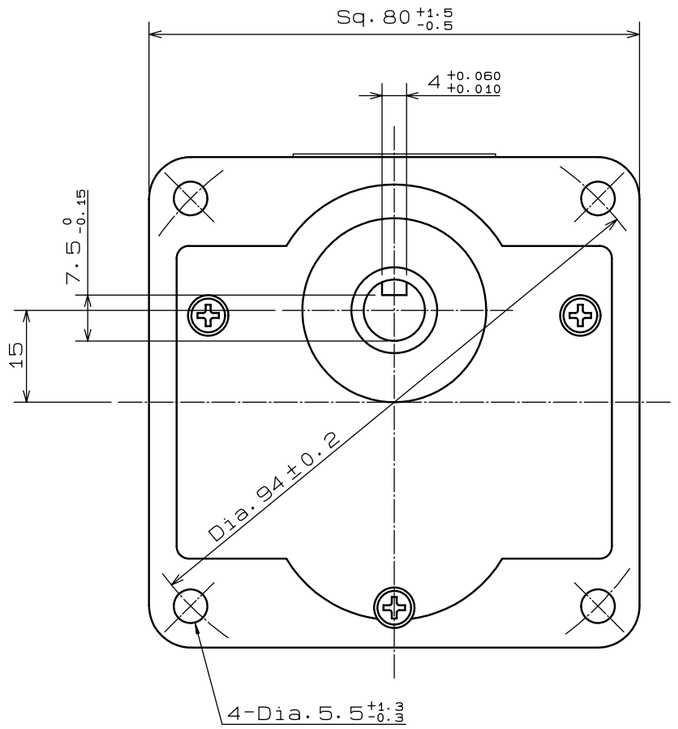
General Dimension Tolerance (±)								
Assembly					Angle	Dimension of A (Shorter Side)		
Up to 6	Over 6 to 30	Over 30 to 120	Over 120 to 300	Over 300	Up to 10	Over 10 to 50	Over 50 to 100	Over 100
0.3	0.5	0.7	1.2	2.0	5°	3°	1.5°	45′

Panasonic

Model:MX8G3B~MX8G180B Bearing type:Ball bearing

Compact AC geared motor
Type : Gear head





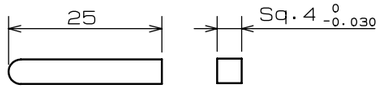
General Specification

1. Color:standard color.(Dark brown).
2. Operational temperature:-10℃~+40℃
   Operational humidity:Less than 85%RH
3. Maximum overhung load:294N
   remarks:Point of 16mm from the shaft-end.
4. Maximum thrust load:49N
5. 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.
6. Do not tap the shaft at the gearhead
   when installing a pulley or a sprocket.
   Heavy tapping might cause unnecesary noise.
7. Attach the pulley or sproket to the bottom end of the
   output shaft.
8. 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.
9. Since grease is enclosed in the gear box,
   pay extra caution for it´s affect to other material
   such as plastic.

Accessories

Type	MX8G3B~MX8G180B	
Cross recessed head screws	M5 P0.8 length 55mm	4Pieces
Plain washers	for M5	4Pieces
Nuts	M5 P0.8	4Pieces
Key	as par drawing	1Piece

Key



Geared motor maximum permissible torque table

Model			MX8G 3B	MX8G 3.6B	MX8G 5B	MX8G 6B	MX8G 7.5B	MX8G 9B	MX8G 10B	MX8G 12.5B	MX8G 15B	MX8G 18B	MX8G 20B	MX8G 25B	MX8G 30B	MX8G 36B	MX8G 50B	MX8G 60B	MX8G 75B	MX8G 90B	MX8G 100B	MX8G 120B	MX8G 150B	MX8G 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			3.01	3.60	4.98	5.96	7.48	9.00	9.99	12.5	14.9	18.1	20.1	25.1	30.3	36.4	49.8	61.2	76.2	90.5	98.0	122.5	148.9	183.5
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 15W	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	5.49	6.57	7.35	7.84	7.84	
		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	4.61	5.49	6.17	7.35	7.84	
	Motor Output 20W	50Hz	0.34	0.41	0.57	0.69	0.85	0.98	1.18	1.37	1.67	1.96	2.25	2.74	3.33	4.02	5.49	6.57	7.84	7.84				
		60Hz	0.28	0.34	0.47	0.57	0.72	0.85	0.95	1.18	1.37	1.67	1.86	2.25	2.74	3.33	4.61	5.49	6.86	7.84				
	Motor Output 25W	50Hz	0.39	0.47	0.66	0.78	0.98	1.18	1.27	1.57	1.96	1.35	2.55	3.14	3.82	4.61	6.37	7.64	7.84					
		60Hz	0.32	0.39	0.55	0.66	0.81	0.98	1.08	1.27	1.57	1.96	2.06	2.65	3.14	3.82	5.29	6.37	7.84					
Direction of rotation of Output shaft			The same direction as the shaft of the motor												The opposite direction as the shaft of the motor									

Scale	MATSUSHITA ELECTRIC INDUSTRIAL CO.,LTD.			Agreement
1 : 1	3rd Angle System Unit:mm			
Designed	Drawn	Checked	Checked	Checked
WADA	WADA			KITAMURA
2006/11/09	2006/11/09			2006/11/09

Model	MX8G3B~MX8G180B
Name	OUTLINE DRAWING
No.	SQ-MIM0119102

MARCHAND G	CLASS	TRACE
IM1	E	