

Do NOT scale the drawings. Instead rely on the dimensions and their definitions.
 SQ-MIM0170101
 MARCHAND CLASS E IM1

Panasonic

Compact AC geared motor

Type : Electromagnetic Brake motor (Three phase)
 CE approved
 M9MZ90GR4CM1 4P 90W 380/400V 50Hz
 Time rating: S1(cont.) Thermal Class: 130(B) IP44

Characteristics

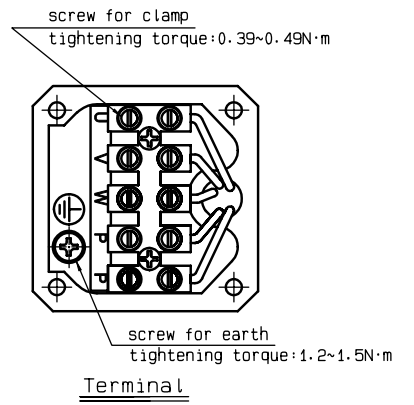
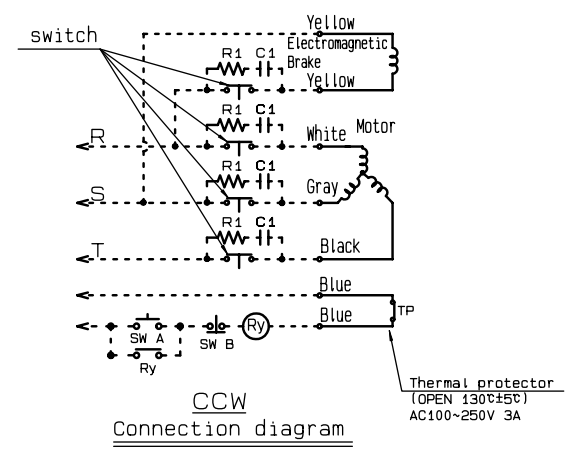
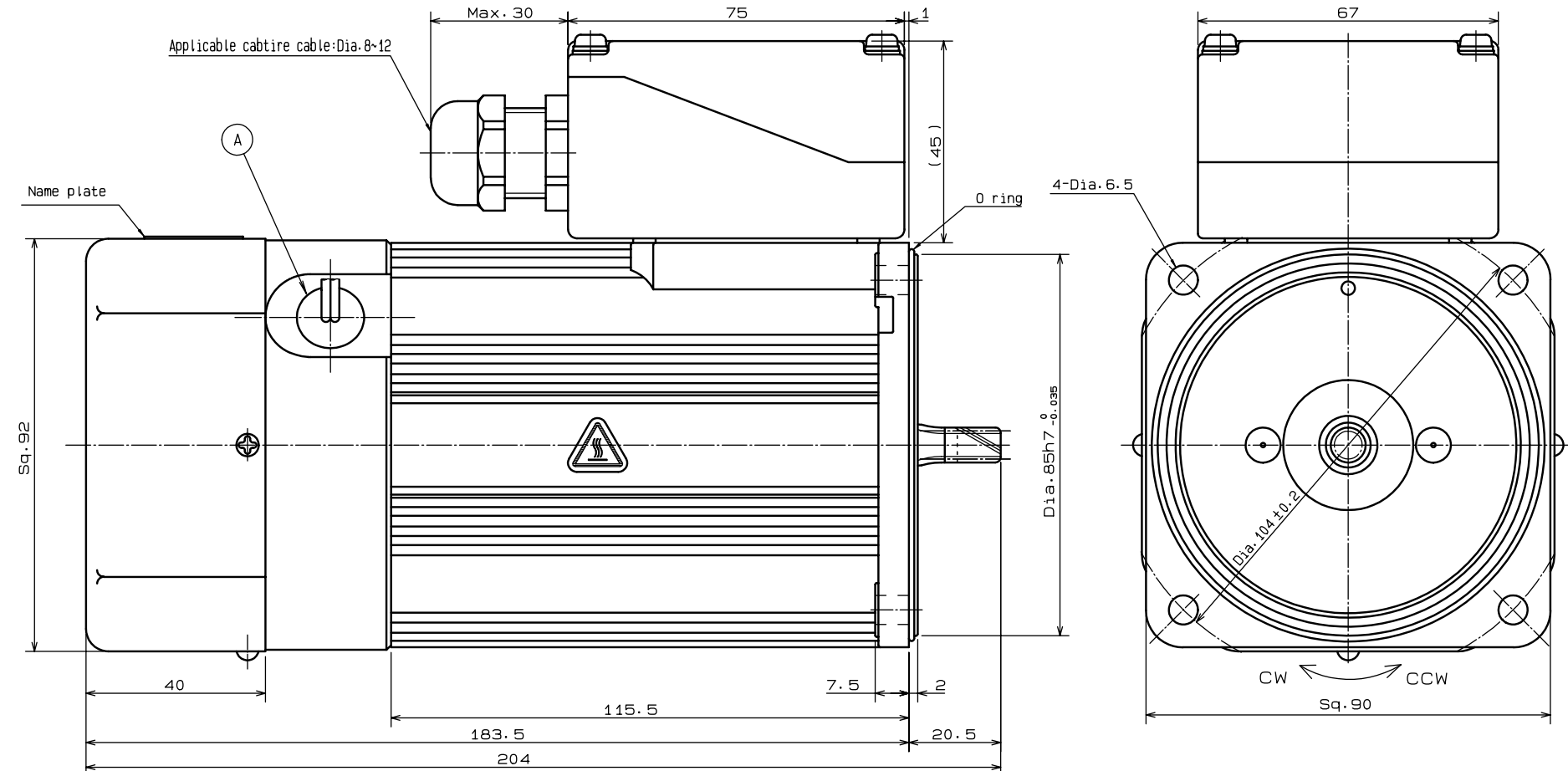
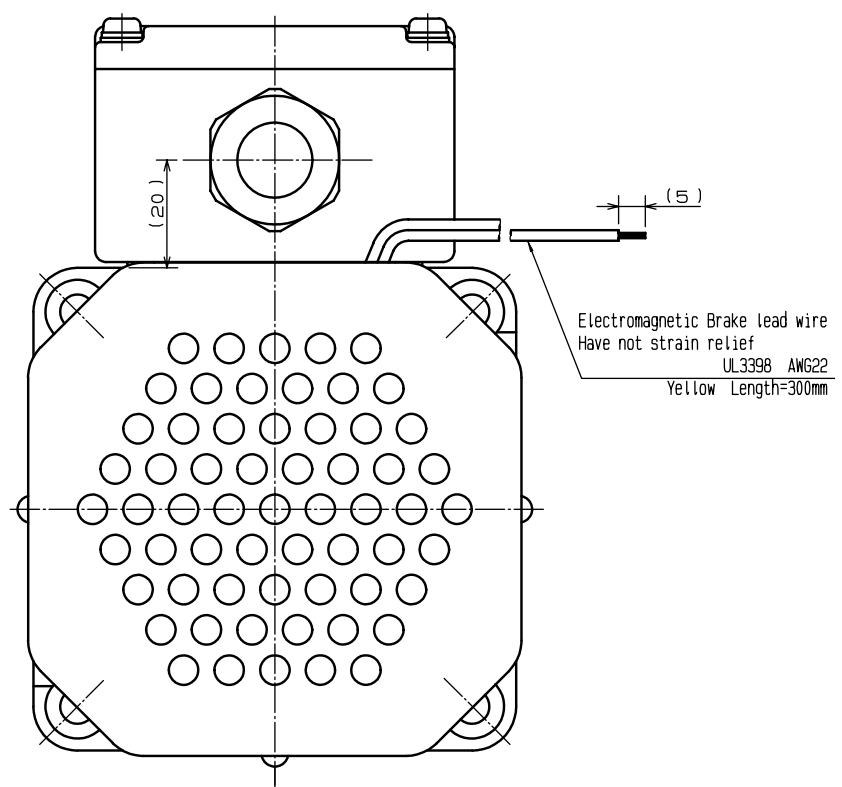
Voltage	Frequency	rated current	rated input	rated speed	rated torque	starting torque	starting current	Brake input	Brake current	Holding brake torque
380V	50Hz	0.31A	144W	1325min ⁻¹	0.65N·m	1.4N·m	1.0A	6W	0.02A	0.39N·m
400V	50Hz	0.31A	144W	1350min ⁻¹	0.64N·m	1.6N·m	1.0A	7W	0.03A	0.39N·m

General Dimension Tolerance (+)

Assembly					Dimension of A (Shorter Side)			
					Angle		Dimension of A	
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'

Reduced drawing

IP44: Applied when the direction of the lead wire hole (A) is downwards



General specification

- Operational condition: ambient temperature -10°C~+40°C, the humidity: less than 85%RH.
- Shaft end edges assumes it less than 5/100(TIR).
- Please do not disassemble the motor. (It causes abnormal noise.)
- This motor has a thermal protector.
- Body color is dark brown.
- An electromagnetic brake operates by switching it off. It remove by switching on.
- A position of a switch please obey a connection diagram.
- Please use R1+C1 for protection between the point of contact of a switch. There is optional DV0P008. A commercial article: R1=10~200Ω·More than 1/4W, C1=0.1~0.33μF·More than 250V.
- As for the life of this motor, an electromagnetic brake is 1,000,000 times at permission inertia in 1.0kg·cm².
- Applicable gear head: MZ9GDB(ball bearing hinge noting), MY9GDB(ball bearing hinge existence), MR9GDB(ball bearing hinge nothing), MP9GDB(ball bearing hinge existence)
- Applicable decimal gear head: MZ9G10XB.
- When put a gear head together, please confirm that an O ring attached to a motor. (If there is not an O ring, it cause an oil blur.)

Scale	MATSUSHITA ELECTRIC INDUSTRIAL CO.,LTD.	Agreement	Model	M9MZ90GR4CM1
1 : 1	3rd Angle System Unit:mm		Name	OUTLINE DRAWING
Designed	Drawn	Checked	Checked	Checked
KITAMURA	KITAMURA		WADA	
2007/02/09	2007/02/09		2007/02/09	
			No.	SQ-MIM0170101