

Do NOT scale the drawings. Instead rely on the dimensions and their definitions.
 SQ-MIM016970.1
 MARCHAND CLASS IM1 TRACE

Panasonic

Compact AC geared motor

Type : Electromagnetic Brake motor (Three phase)
 UL, c-UL, CE, CCC approved
 M9MZ90GR4YG1 4P 90W 200/200/220/230V 50/60/60/60Hz
 Time rating: S1(cont.) Thermal Class: 130(B) IP44

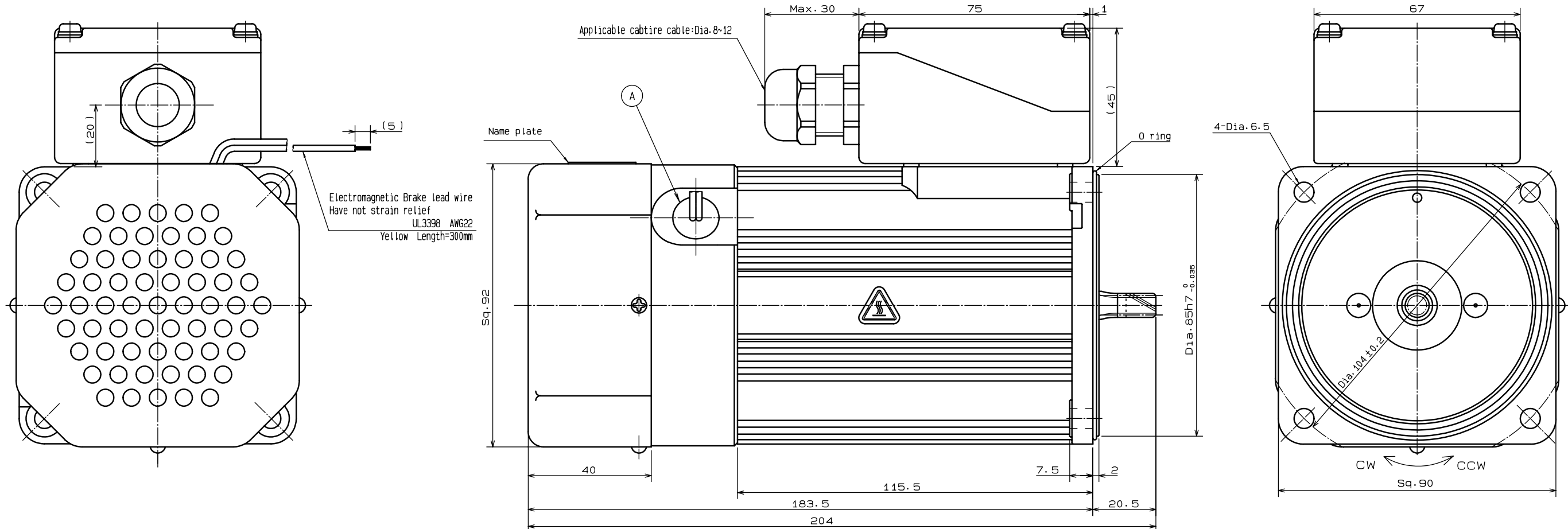
Characteristics

Voltage	Frequency	rated current	rated input	rated speed	rated torque	starting torque	starting current	Brake input	Brake current	Holding brake torque
200V	50Hz	0.62A	142W	1350min ⁻¹	0.63N·m	1.6N·m	2.0A	7W	0.05A	0.39N·m
200V	60Hz	0.56A	138W	1625min ⁻¹	0.53N·m	1.1N·m	1.8A	7W	0.05A	0.39N·m
220V	60Hz	0.56A	137W	1650min ⁻¹	0.52N·m	1.4N·m	2.0A	7W	0.05A	0.39N·m
230V	60Hz	0.58A	137W	1675min ⁻¹	0.51N·m	1.6N·m	2.1A	7W	0.05A	0.39N·m

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

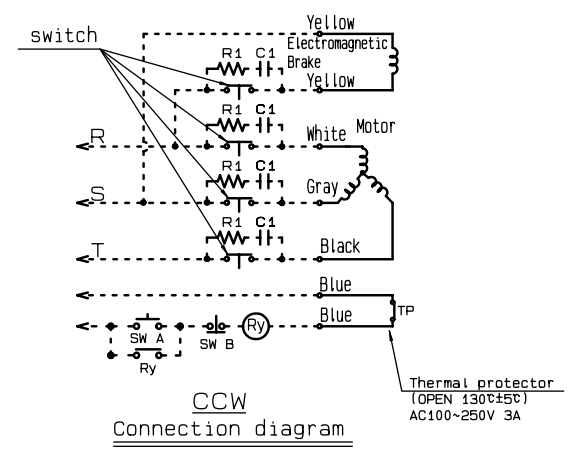
Reduced drawing

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
1 : 1	3rd Angle System Unit:mm		M9MZ90GR4YG1
Designed	Drawn	Checked	Name
KITAMURA	KITAMURA	WADA	OUTLINE DRAWING
No.	SQ-MIM016970.1		