



AMR Design, just the way you want

Introducing a new compact BLDC gearmotor for AMR (Autonomous Mobile Robot) applications.



Compact for more flexible AMR Designs

The right angle mounting and single reduction mechanism allows for a more compact and light motor. Allows for more flexibility for AMR designs.



Flexible mounting via Side face Tapping²

This feature allows easier and more flexible mounting of the gearmotor on previously difficult places/orientations.



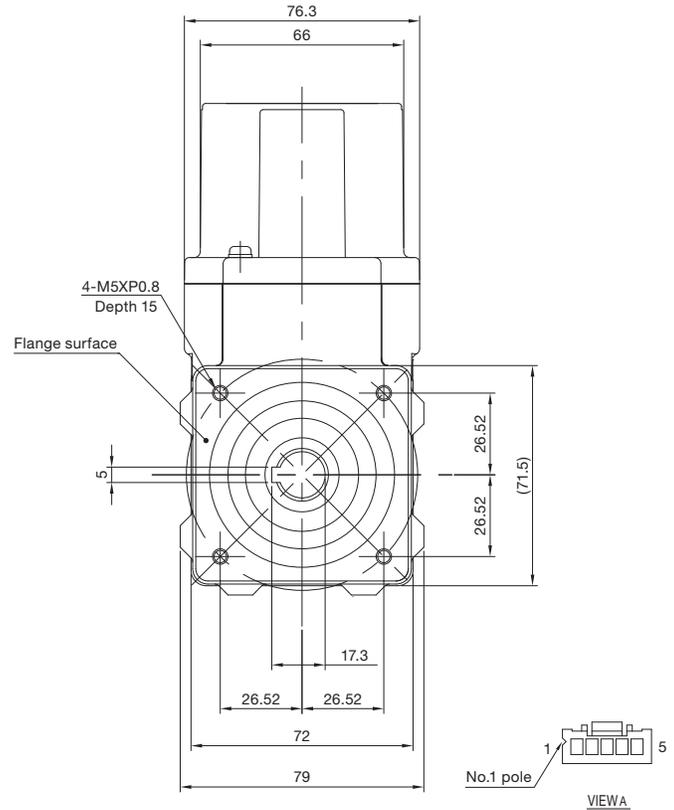
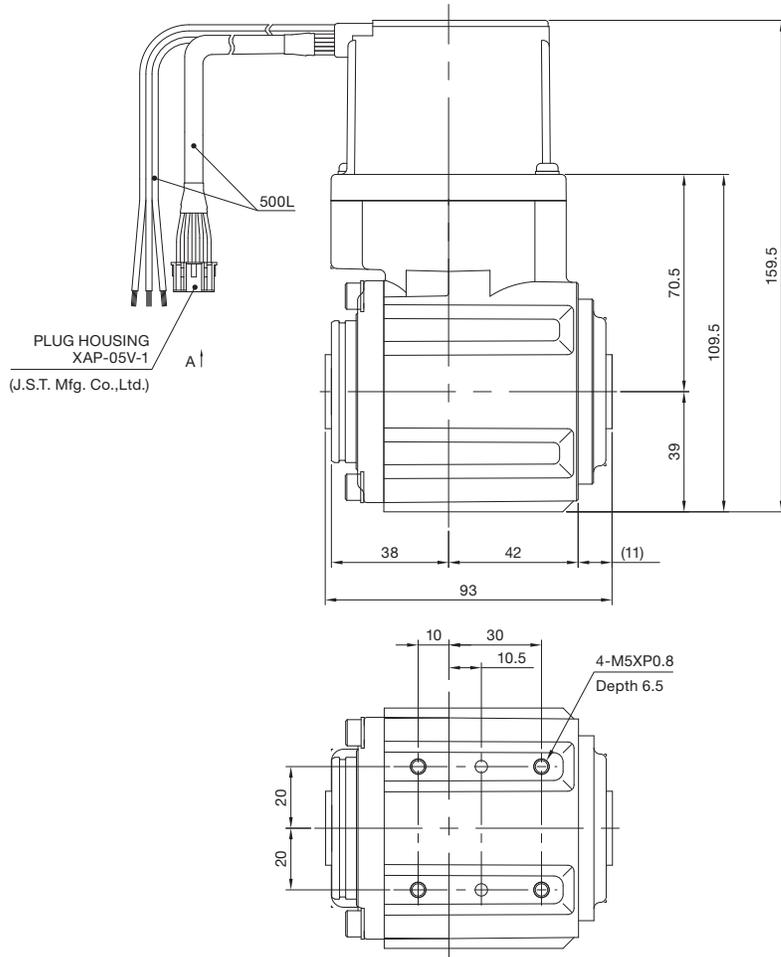
4 times the max load³, allows for flexible application loads

Improved transportation efficiency with higher load capacity compared to conventional BLDC motors.

For More Information on Brother's **NEW** Gearmotor visit us at brother-usa.com/business/gearmotors-and-reducers or Call us at 866.523.6283.

1 Only available for models with encoders
2 Side face Tapping is a special option
3 Compared to 0.1kW equivalent model

Outside Dimension



Wire number and Color		
Wire number	Color	Remarks
1	Purple	+15V
2	Orange	Hu
3	Green	Hv
4	Green/White	Hw
5	Gray	GND

Wire Color	
Color	Remarks
Red	U
White	V
Black	W

Standard Specification

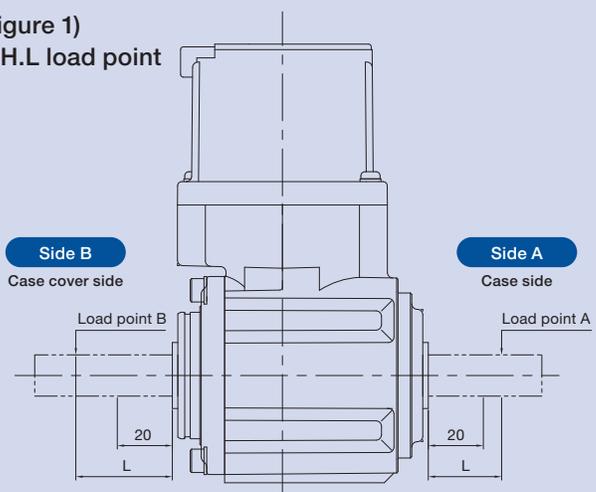
Reduction ratio	Flame number and Shaft diameter	O.H.L(Figure 1)	Rated output shaft torque
10 : 1	15 (H8) Solid shaft option available (φ15h6)	Side A : 1360N (L=20 mm) Side B : 650N (L=20 mm)	2.29N·m

Voltage	Output	Rated rotation speed	Maximum rotation speed (at no load)
24V	70W	2500	4000

Mounting surface	Operation	Brake	Magnetic pole detection method
Bottom surface Caution1: All surface available as option	Continuous	No	Hole IC Caution2: Encoder option available

Thermistor *	IP Grade	Painting
No	IP30	Motor : Gray / Reducer : Black

(Figure 1)
O.H.L load point



* Thermistor is available as option. For models with the thermistor attached, the magnetic pole detection will be done via the encoder.