



AMR design; Just the way you want

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



Feature

1

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

Feature

2

Flexible mounting via **Side face Tapping***

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

*Side face Tapping is a special option

Feature

3

4 times the max load*, allows for flexible application loads.

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

*Compared to 0.1kW equivalent model

Please contact us for special options

Solid shaft

Encoder

Thermistor installation
(Only available for models with encoders)

Side face Tapping

Other wide varieties of specifications available.

NISSEI CORPORATION

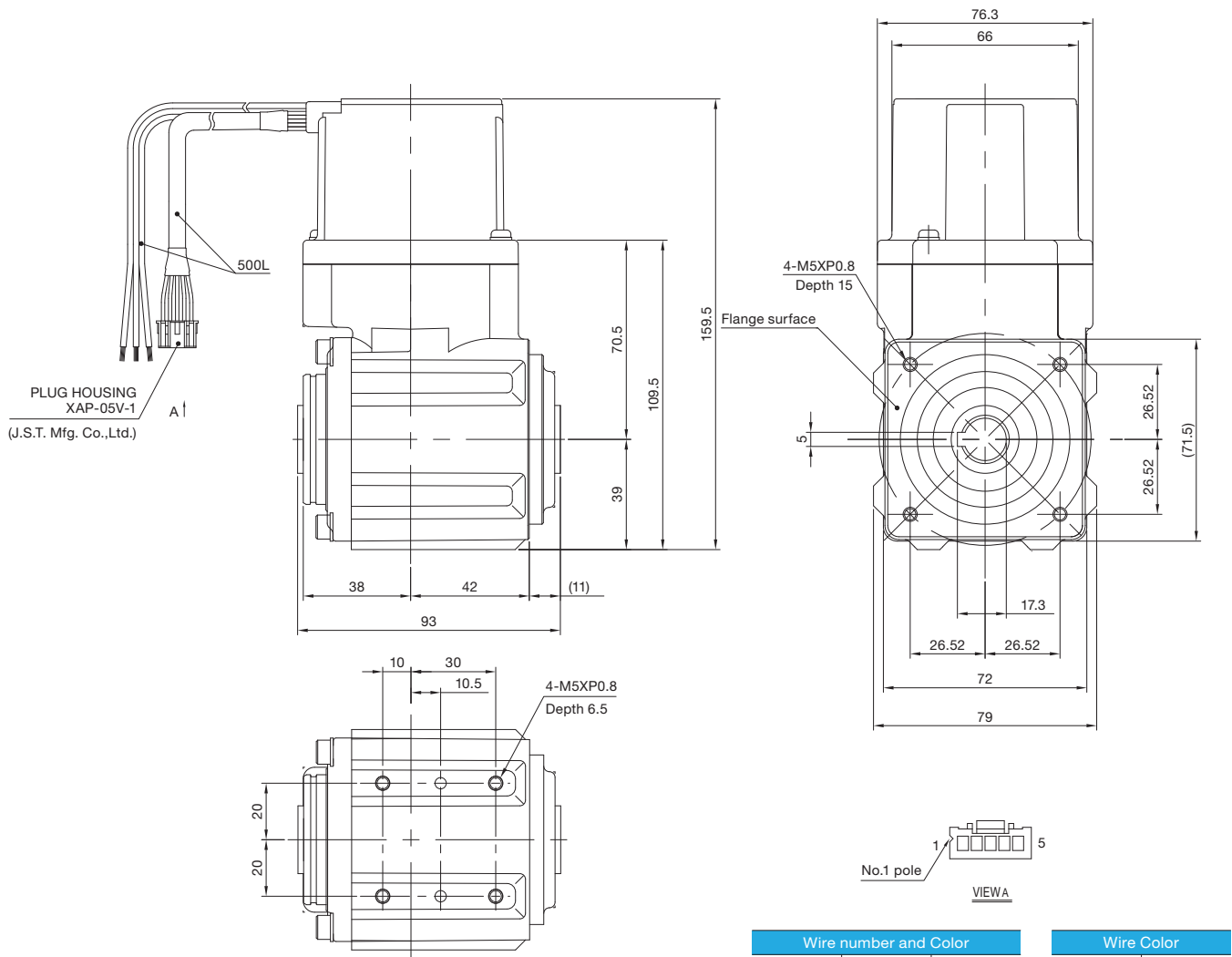
For more details, please contact your nearest service office

Overseas sales

1-1 Inoue, Izumi-cho, Anjo-city Aichi Japan

TEL : +81-566-92-5312 FAX : +81-566-92-7002 E-Mail : oversea@nissei-gtr.co.jp

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

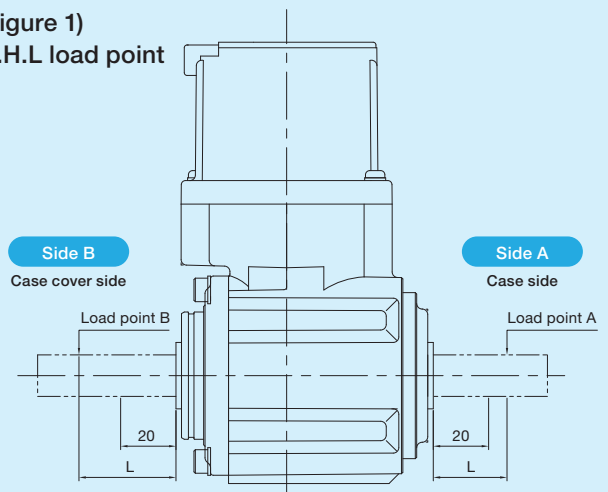
Reduction ratio	Flame number and Shaft diameter	O.H.L.(Figure 1)	Rated output shaft torque
10 : 1	15 (H8) Solid shaft option available (φ15h6)	Side A : 1360N (L=20 mm) Side B : 650N (L=20 mm)	2.29N·m

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 <small>Caution1: All surface available as option</small>	Continuous	No	Hole IC <small>Caution2: Encoder option available</small>

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.