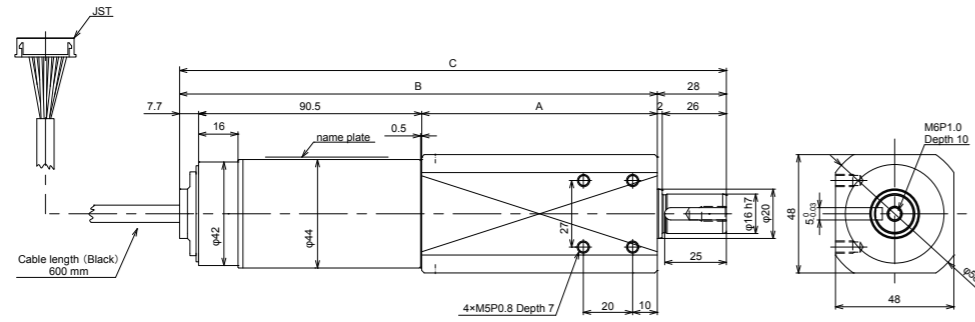
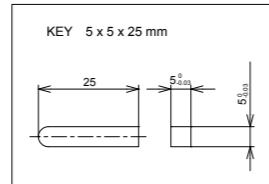


Dimensional drawing



Gear	A	B	C
3 stage	116.9	215.1	243.1
2 stage	93.5	191.7	219.7



Weight table

Gear box	Reduction ratio	Weight
3 stage	67, 45, 33, 27	1.1
2 stage	18, 15, 11, 9	1.3

Unit: kg

Characteristics data

Nominal Gear ratio	Actual Gear ratio	Gear box	ECO-mode						BOOST-mode					
			Speed (rpm)	Torque(N-m)			Current (A)		Speed (rpm)	Torque(N-m)			Current (A)	
				Rated	Starting	Accel	Rated (max)	Starting		Rated	Starting	Accel	Rated (max)	Starting
67	67.2	3 stage	8.5 ~ 86.7	4.40	24.4	7.33	2.5	3.0	8.5 ~ 62.7	8.03	31.81	11.82	3.5	5.0
45	45		12.8 ~ 129.0	2.97	16.39	4.95			12.8 ~ 93.3	5.40	21.37	7.94		
33	33		17.4 ~ 176.3	2.17	12.00	3.62			17.4 ~ 127.5	3.95	15.64	5.81		
27	27		21.3 ~ 215.1	1.78	9.83	2.97			21.3 ~ 155.5	3.24	12.82	4.76		
18	18.3	2 stage	31.4 ~ 317.3	1.20	6.66	2.00	31.4 ~ 229.5	2.19	8.69	3.59				
15	15		38.4 ~ 387.2	0.99	5.46	1.65	38.4 ~ 280.0	1.80	7.12	2.94				
11	11		52.4 ~ 528.9	0.72	4.00	1.20	52.4 ~ 382.5	1.31	5.21	2.15				
9	9		64.0 ~ 645.3	0.59	3.27	0.98	64.0 ~ 466.6	1.08	4.27	1.76				

Pulse output and Gear Backlash angle

Nominal Gear ratio	Actual Gear ratio	Pulse Output	Backlash angle
67	67.2	2017	4.8
45	45	1350	5.1
33	33	990	5.1
27	27	810	5.1
18	18.3	550	4.5
15	15	450	4.7
11	11	330	4.7
9	9	270	4.7

Pulse output --- Number of Pulses per rotation of the Output shaft
Backlash angle --- Gear Backlash angle at the Output shaft

Maintenance and measures against failures

- Please stop using at once if abnormal situations happen. It may cause a fire, electric shock, or an injury.
- Turn off the power supply when you perform maintenance.
- Take care not to touch the product just after operation stop or during operation. You may catch your finger between pulleys or gears. Also it can get very hot and there is a danger that you may get burned.
- Handle the product with care because the surface temperature can be high depending on the conditions of use.

Disposal

- The Geared Drive should be wasted as an industry waste in accordance with the regulations of the local municipality.

Warranty

- The warranty period is 1(one) year from delivery of the product under proper installation and handling. The warranty covers only the repair of the main body of the delivered product.

Contact information for Technical support



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The specifications of the products are subject to change for improvement without prior notice.