

Specification Chart

Output	Number of phases	Number of poles	Frequency Hz	Voltage V 50/60/60Hz	Rated current A 50/60/60Hz	Rated revolution r/min 50/60/60Hz	Protection	Cooling method	Rating	Insulation	Brake		
											Type	Rated torque (of motor torque)	Insulation
0.1kW	Three-phase	4	50/60/60	200/200/220 (400/400/440)	0.63/0.57/0.58 (0.32/0.29/0.29)	1420/1680/1710 (1440/1740/1740)	Totally enclosed (IP44)	Self-cooled (IC410)	Continuous	120(E)	Non-excitation	At least 150%	Class B

Note 1: The values in parentheses under "Rated current" and "Rated revolution" are for 400 V class.

Note 2: The protective construction for the brake type is IP20.

Model number		Motor output kW	Frame number	Nominal reduction ratio	Number of reduction steps	Output shaft revolution		Allowable output shaft torque				Allowable output		Drawing number of outline dimensions
						r/min		N·m		{kgf·m}		shaft O.H.L.		
						50Hz	60Hz	50Hz		60Hz		N	{kgf}	
GMTA010	5	0.1	18	1/5	2	300	360	2.8	{0.29}	2.4	{0.24}	274	{ 28}	1
	10			1/10		150	180	5.7	{0.58}	4.8	{0.49}	431	{ 44}	
	15			1/15		100	120	8.6	{0.88}	7.2	{0.73}	568	{ 58}	
	20			1/20		75	90	11.8	{ 1.2}	9.5	{0.97}	686	{ 70}	
	25			1/25		60	72	14.7	{ 1.5}	11.8	{ 1.2}	804	{ 82}	
	30			1/30		50	60	17.6	{ 1.8}	14.7	{ 1.5}	902	{ 92}	
	40		24	1/40	3	37.5	45	22.5	{ 2.3}	19.6	{ 2.0}	1098	{ 112}	2
	50			1/50		30	36	28.4	{ 2.9}	23.5	{ 2.4}	1264	{ 129}	
	60			1/60		25	30	34.3	{ 3.5}	28.4	{ 2.9}	1431	{ 146}	
	75			1/75		20	24	43.1	{ 4.4}	36.3	{ 3.7}	1666	{ 170}	
	100			1/100		15	18	56.8	{ 5.8}	48.0	{ 4.9}	2009	{ 205}	3
	120			1/120		12.5	15	68.6	{ 7.0}	56.8	{ 5.8}	2274	{ 232}	
	165			1/165		9.1	10.9	94.1	{ 9.6}	78.4	{ 8.0}	2813	{ 287}	
	200			1/200		7.5	9	115	{11.7}	95.1	{ 9.7}	3195	{ 326}	

Note 1: The nominal reduction ratio is shown as the reduction ratio.

Note 2: The output shaft revolution rate is calculated by dividing the motor synchronous revolution rate by the nominal reduction ratio.

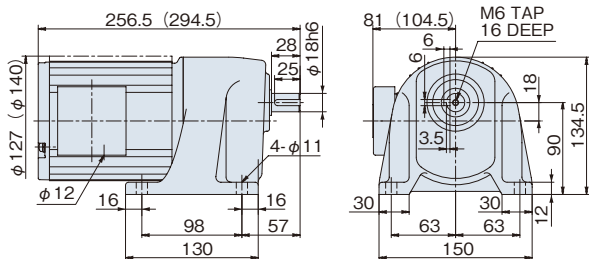
For the actual reduction ratio, refer to page 35. Calculate the actual output revolution rate from the motor's rated revolution rate.

Outline Dimensions

GMTA010-18L5 (B)

1

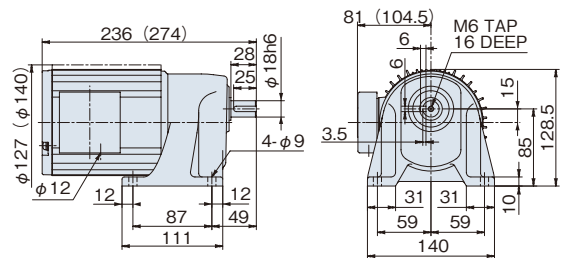
Reduction ratio : 5 Approx. weight : 6.6 (8.4) kg



GMTA010-18L10 - 50 (B)

2

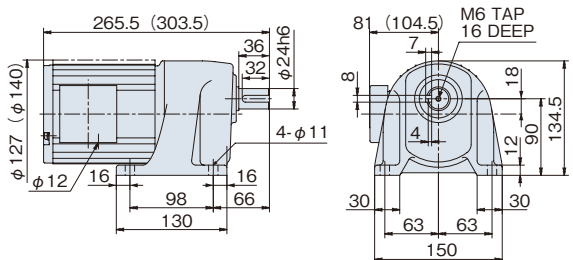
Reduction ratio : 10, 15, 20, 25, 30, 40, 50 Approx. weight : 5.4 (7.0) kg



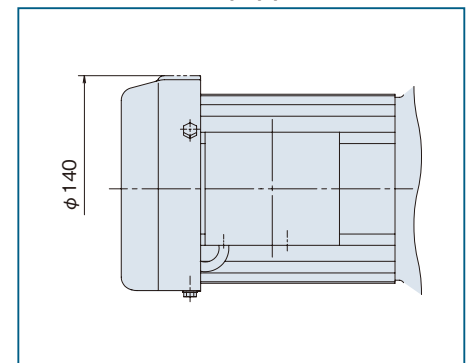
GMTA010-24L60 - 200 (B)

3

Reduction ratio : 60, 75, 100, 120, 165, 200 Approx. weight : 6.8 (8.4) kg



Motor of brake-equipped model



Note 1: The values in parentheses are for brake-equipped models.

Note 2: The brake-equipped models are equipped with a fan cover. Refer to the diagram on this page for the shape of the fan cover.