

The logo for OTG, consisting of the letters 'OTG' in a bold, blue, sans-serif font.

Specialty casts quality

Range Product :

- 1 Phase Helical Gear Motor
- 3 Phase Helical Gear Motor
- Input / Output Shaft Helical Gear Reducer
- 1 Phase Small VS Gear Motor
- Round Shaft VS / Induction Small Motor
- Electromagnetic Clutch / Brake Motor
- Reversible Motor
- Speed Reducer
- Induction Motor 3 Phase 220 / 380 / 660V
- Induction Motor 1 Phase 220V
- Etc.

A faint, light-colored line drawing of industrial machinery, including a large motor and a gear reducer, serves as the background for the page. The drawing shows various components like shafts, gears, and housing parts.

PRINTED IN TAIWAN

Agent :

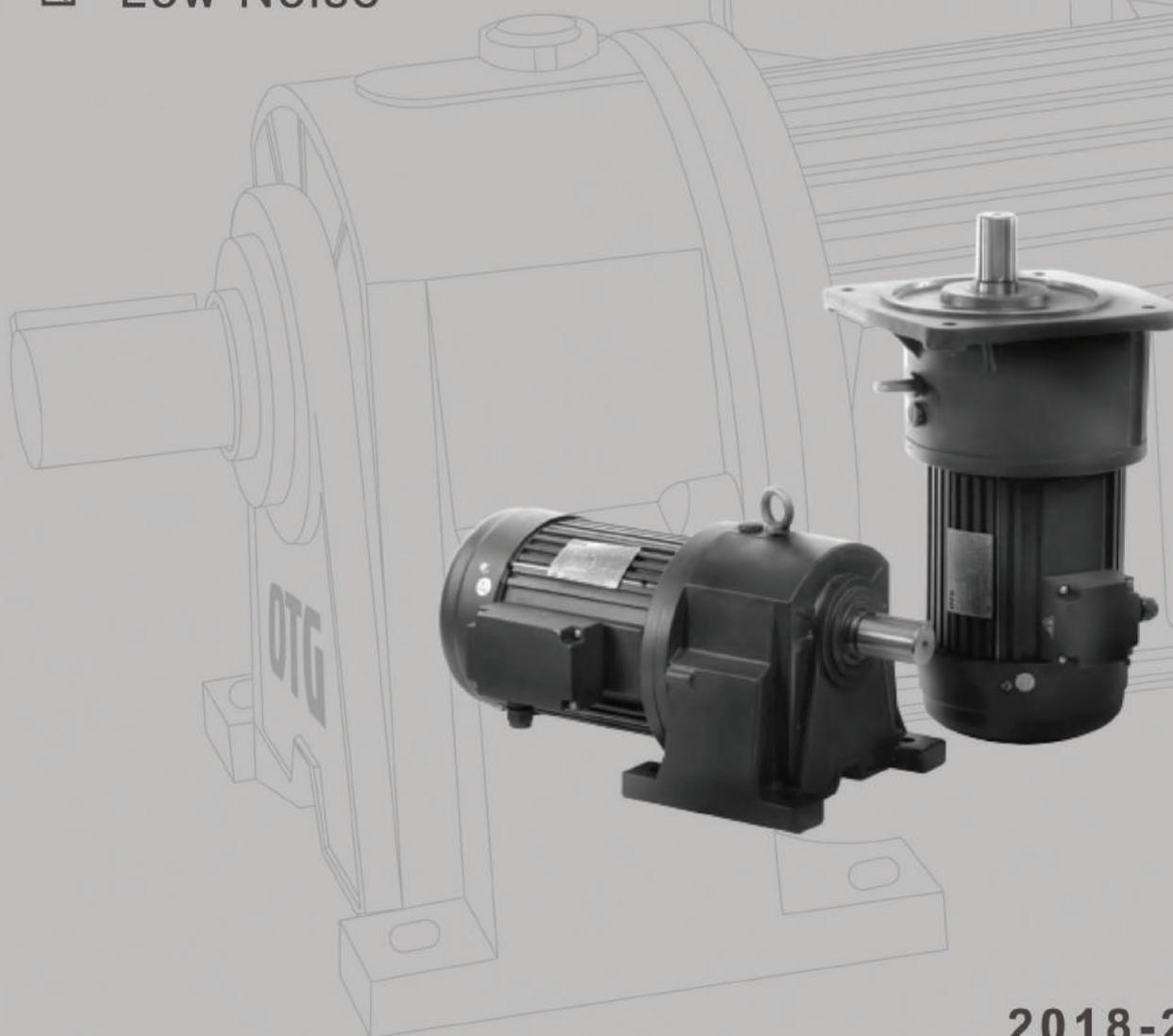
Orient Taiwan Gear Industry CO.,LTD

OTG

Specialty casts quality

Small Compact Gear Motor

- ☑ High Performance
- ☑ Long Life
- ☑ Low Noise



2018-2019

OTG

Specialty casts quality

ORIENT TAIWAN GEAR INDUSTRY CO.,LTD is a company dedicated to " OTG " brand of micro ac , small ac, micro dc speed gear motor design, manufacturing, sales as one of the professional factories, our products range including induction motor, reversible motor, torque motor, brake motor, dc motor, micro gear box, small gear box etc., can be ordered according to customer's actual use of non-standard design and production, we are committed to competitive prices, perfect sales service network and dedicated professional team, committed to become a good manufacturer of gear speed reducer.



Precision Measuring Equipment



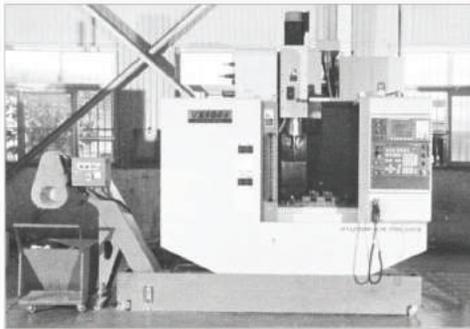
Gear Testing



Motor Performance Testing



Three Coordinates
Measuring Instrument



Imported CNC Machine Center



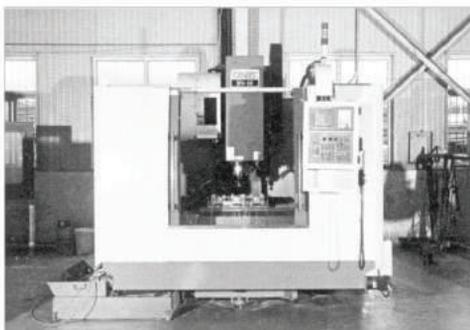
Five-axes High Precision CNC
Hobbing Machine



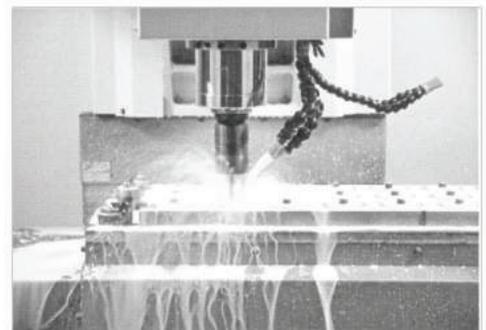
Imported Machining Center



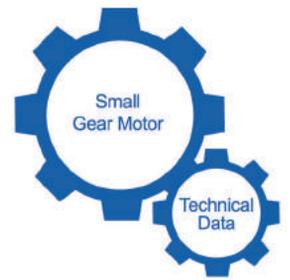
Processing Workshop



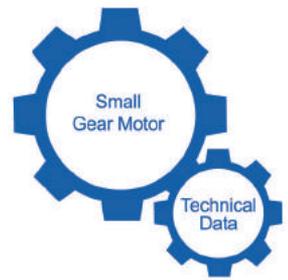
Imported CNC Machine Center



CNC Milling Machining

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Order Form

H — 28 — 400 — 30 — A — B
1 **2** **3** **4** **5** **6**

- 1** Type : H : Horizontal V : vertical
 : HM : Input Adapter VM : Input Adapter
 : HD : Input Shaft VD : Input Shaft
- 2** Size : 18, 22, 28, 32, 40, 50
- 3** Power : 100W, 200W 7500W
- 4** Ratio : 3, 5, 10 1800 :
- 5** Voltage
 A : 3 ϕ 220V/380V
 B : 3 ϕ 110V/220V
- 6** B : DC90V Brake

Technical Data

1(3-Phase/4-Poles Full Load Ampere)

Power	50Hz-4P					60Hz-4P				
	220V	380V	415V	440V	RPM	220V	380V	440V	460V	RPM
0.1KW 1/8HP	0.60	0.40	0.32	0.30	1410	0.6	0.40	0.30	0.29	1720
0.2KW 1/4HP	1.2	0.7	0.70	0.58	1410	1.1	0.63	0.55	0.52	1720
0.4KW 1/2HP	2.0	1.1	1.13	1.07	1420	1.9	1.10	0.95	0.91	1730
0.75KW 1HP	3.5	2.0	1.94	1.84	1420	3.4	1.96	1.70	1.63	1730
1.5KW 2HP	6.3	3.64	3.49	3.30	1430	6.1	3.53	3.05	2.92	1740
2.2KW 3HP	9.1	5.3	4.74	4.47	1430	8.7	5.04	4.35	4.16	1725
3.7KW 5HP	13.7	7.90	7.34	6.93	1440	13.5	7.82	6.75	6.46	1745

2(1-Phase/4-Poles Full Load Ampere)

Power	50Hz-4P			60Hz-4P		
	110V	220V	RPM	110V	220V	RPM
0.1KW 1/8HP	1.7	0.9	1410	1.7	0.9	1720
0.12KW 1/6HP	2.2	1.0	1350	2.1	1.0	1700
0.2KW 1/4HP	4.0	2.1	1410	3.1	1.6	1720
0.4KW 1/2HP	8.0	4.0	1420	7.8	3.9	1730
0.75KW 1HP	13.4	6.7	1420	12.9	6.4	1730
1.5KW 2HP	26.0	13.0	1430	23.5	11.7	1740



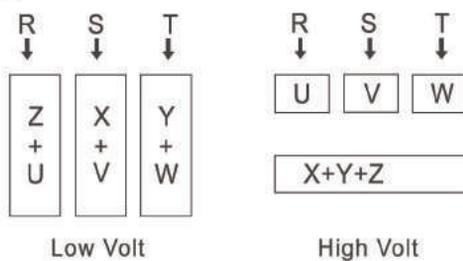
Technical Data

(Standard Motor Specification)

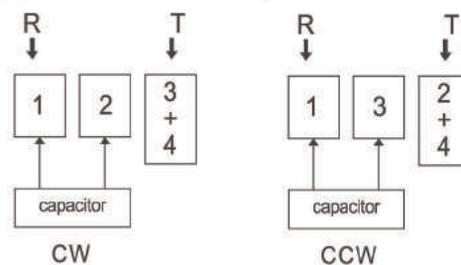
Item	3-Phase Motor		1-Phase Motor	
Protection	IP-54/55 Totally Enclosed Fan Cooled Type		Semi-Enclosed Fan Cooled Type	
Housing Material	1/8HP-10HP	Alumalloy	0.1KW-1.5KW 1/8HP-2HP	Alumalloy
Starting	Direct Start		0.1KW-0.2KW 1/8HP-1/4HP	Capacitor
			0.4KW-1.5KW 1/2HP-2HP	
Timerating	Continuous Running		Continuous Running	
Insulation	F-Class		F-Class	
Environment	Temperature Between -10°C To + 40°C Humidity Less Than 90%			
Voltage	50Hz	220V, 230V, 240V, 380V, 400V, 415V, 440V, 660V	50Hz	110V, 115V, 200V, 220V, 230V, 380V
	60Hz	220V, 240V, 380V, 415V, 440V, 460V, 480V, 600V	60Hz	110V, 220V, 240V
Pole	4P, 6P		4P	
Output Speed	50Hz	1340-1400rpm	50Hz	1350-1430rpm
	60Hz	1610-1740rpm	60Hz	1640-1740rpm
Standard	IEC-34, CNS-10919	Sealevel	Under 1000m	
Terminal Box	With IP-55 Class Water-proof Aluminum Terminal Box			

Wiring Diagram

(a) 3-Phase Motor

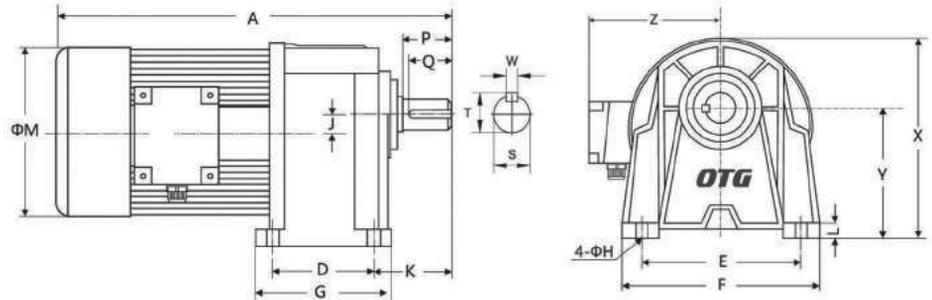


(b) 1-Phase Motor, 1-capacitor

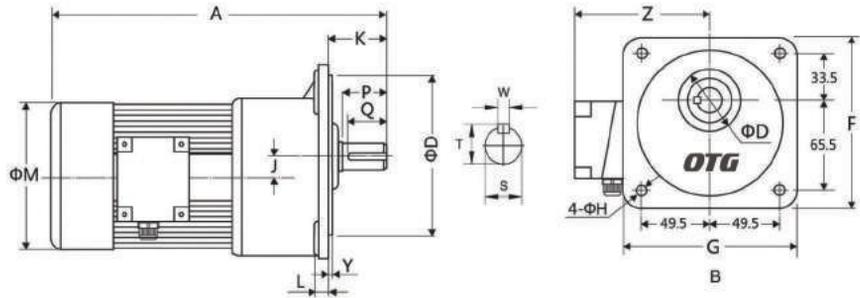


1# Gearbox with shaft dia ϕ 18mm with 3-phase motor parameters

○ Horizontal



○ Vertical



○ Dimensions

※ Unit: mm

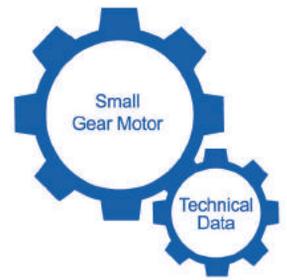
POWER	Ratio	A	D	E	F	G	H	J	K	L	M	P	Q	S	T	W	X	Y	Z	(Kg) Weight
0.1KW 1/8HP	Standard type3 ~ 50	255	40(50)	110(140)	135(120)	65(120)	9	16	50(39)	14(10)	129	30	25	18	20	5	132	88.5(6)	117	5.5(5.8)
	Light duty type60 ~ 100	255	40(50)	110(140)	135(120)	65(120)	9	16	50(39)	14(10)	129	30	25	18	20	5	132	88.5(6)	117	5.5(5.9)
0.2KW 1/4HP	Standard type3 ~ 10	290	40(50)	110(140)	135(120)	65(120)	9	16	50(39)	14(10)	129	30	25	18	20	5	132	88.5(6)	117	6.5(8.0)
	Light duty type15 ~ 90	290	40(50)	110(140)	135(120)	65(120)	9	16	50(39)	14(10)	129	30	25	18	20	5	132	88.5(6)	117	6.5(8.0)

○ Output Torque

※ Unit: Kg.m

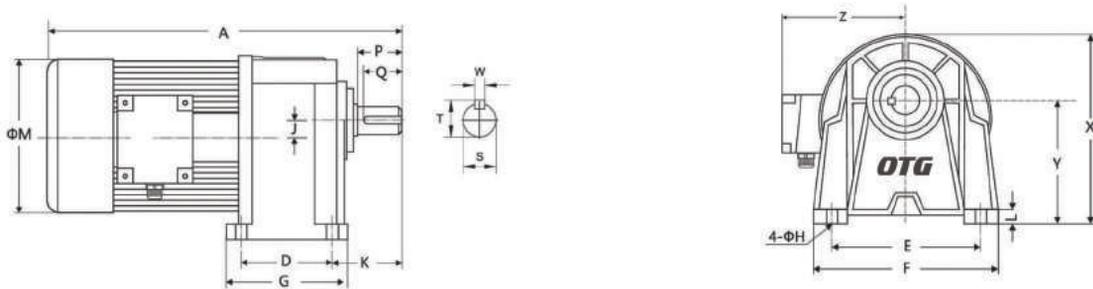
Power	Ratio	3	5	10	15	20	25	30	40	45	50	60	70	80	90	100	120	140	160	180	200	
0.1KW 1/8HP	Standar type3 ~ 50	50Hz	0.19	0.31	0.62	0.91	1.20	1.40	1.80	2.20	2.70	2.80	—	—	—	—	—	—	—	—	—	—
		60Hz	0.16	0.26	0.52	0.76	1.00	1.20	1.50	1.90	2.20	2.40	—	—	—	—	—	—	—	—	—	—
	Light duty type60 ~ 100	50Hz	—	—	—	—	—	—	—	—	—	—	3.40	4.30	4.30	4.30	4.30	4.30	4.30	4.30	—	—
		60Hz	—	—	—	—	—	—	—	—	—	—	2.90	3.60	4.00	4.30	4.30	4.30	4.30	4.30	—	—
0.2KW 1/4HP	Standar type3 ~ 10	50Hz	0.37	0.62	1.24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		60Hz	0.31	0.52	1.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Light duty type15 ~ 100	50Hz	—	—	—	1.80	2.40	3.00	3.60	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	—	—	—	—	—
		60Hz	—	—	—	1.50	2.00	2.50	3.00	3.90	4.30	4.30	4.30	4.30	4.30	4.30	4.30	—	—	—	—	—

note : () vertical motor parameters

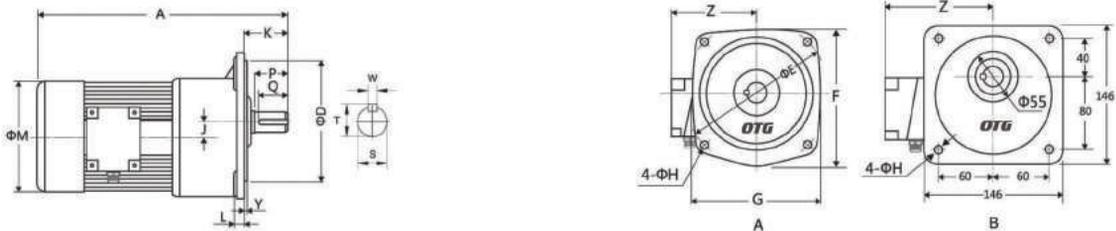


**Gearbox with shaft dia $\phi 22\text{mm}$, $\phi 28\text{mm}$, $\phi 32\text{mm}$, $\phi 40\text{mm}$, $\phi 50\text{mm}$
with 3-phase motor parameters 2#, 3#, 4#, 5#, 6#**

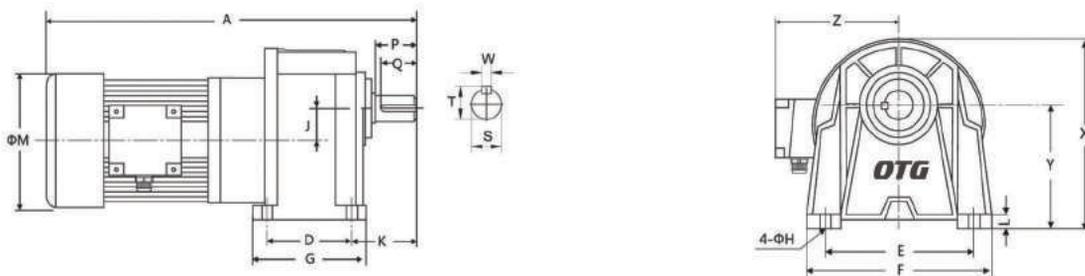
○ Horizontal



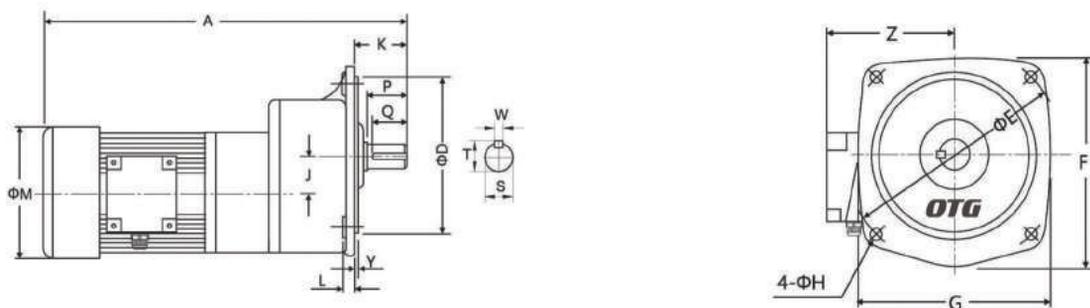
○ Vertical

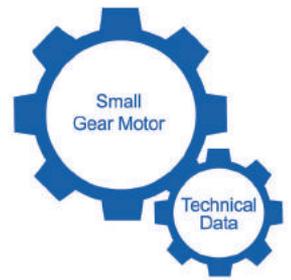


○ Horizontal High Ratio(1#+2#)



○ Vertical High Ratio(1#+2#)





2# Gearbox with shaft dia $\varnothing 22\text{mm}$ with 3-phase motor parameters

○ Dimensions

※ Unit: mm

POWER	Ratio	A	D	E	F	G	H	J	K	L	M	P	Q	S	T	W	X	Y	Z	(Kg) Weight
0.1KW 1/8HP	Standard type60 ~ 200	285	65(148)	130(185)	158(176)	90(165)	11	18.17	60(45)	13(12)	129	40	35	22	25	7	152	97.5(3.5)	117	6.3(7.3)
	Light duty type60 ~ 100	285	65(148)	130(185)	158(176)	90(165)	11	18.17	60(45)	13(12)	129	40	35	22	25	7	152	97.5(3.5)	117	6.3(7.3)
	(1#+2#) Light duty type250 ~ 1800	355	65(148)	130(185)	158(176)	90(165)	11	34.2	60(45)	13(12)	129	40	35	22	25	7	152	97.5(3.5)	117	6.3(7.3)
0.2KW 1/4HP	Standard type15 ~ 90	320	65(148)	130(185)	158(176)	90(165)	11	18.17	60(45)	13(12)	129	40	35	22	25	7	152	97.5(3.5)	117	8.0(8.8)
	Light duty type100 ~ 200	320	65(148)	130(185)	158(176)	90(165)	11	18.17	60(45)	13(12)	129	40	35	22	25	7	152	97.5(3.5)	117	8.0(8.8)
0.4KW 1/2HP	Standard type3 ~ 10	325	65(148)	130(185)	158(176)	90(165)	11	18.17	60(45)	13(12)	160	40	35	22	25	7	152	97.5(3.5)	133	10.0(11.2)
	Light duty type15 ~ 90	325	65(148)	130(185)	158(176)	90(165)	11	18.17	60(45)	13(12)	160	40	35	22	25	7	152	97.5(3.5)	133	10.0(11.2)
0.75KW 1HP	Light duty type3 ~ 25	345	65(148)	130(185)	158(176)	90(165)	11	18.17	60(45)	13(12)	160	40	35	22	25	7	152	97.5(3.5)	133	12.0(13.2)

○ Output Torque

※ Unit: Kg.m

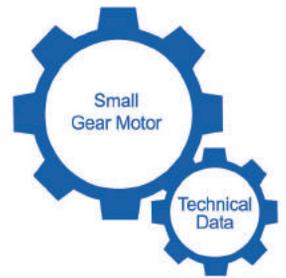
Power	Ratio	3	5	10	15	20	25	30	40	45	50	60	70	80	90	100	120	140	160	180	200	
0.1KW 1/8HP	Standar type60 ~ 200	50Hz	—	—	—	—	—	—	—	—	—	—	3.40	4.30	4.80	5.20	5.80	6.90	8.00	9.10	10.3	11.6
		60Hz	—	—	—	—	—	—	—	—	—	—	—	2.90	3.60	4.00	4.40	4.90	5.80	6.70	7.60	8.60
0.2KW 1/4HP	Standar type15 ~ 90	50Hz	—	—	—	1.80	2.40	3.00	3.60	4.60	5.40	5.70	6.90	8.00	9.20	10.3	—	—	—	—	—	—
		60Hz	—	—	—	1.50	2.00	2.50	3.00	3.90	4.40	4.80	5.80	6.80	7.70	10.3	—	—	—	—	—	—
	Light duty type100 ~ 200	50Hz	—	—	—	—	—	—	—	—	—	—	—	—	—	—	11.5	11.6	11.6	11.6	11.6	11.6
		60Hz	—	—	—	—	—	—	—	—	—	—	—	—	—	—	9.60	11.6	11.6	11.6	11.6	11.6
0.4KW 1/2HP	Standar type3 ~ 10	50Hz	0.70	1.20	2.40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		60Hz	0.60	1.00	2.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Light duty type15 ~ 100	50Hz	—	—	—	3.60	4.80	6.00	7.20	9.30	10.9	11.6	11.6	11.6	11.6	11.6	11.6	—	—	—	—	—
		60Hz	—	—	—	3.00	4.00	5.00	6.00	7.80	9.10	9.70	11.6	11.6	11.6	11.6	11.6	—	—	—	—	—
0.75KW 1HP	Light duty type3 ~ 25	50Hz	1.30	2.20	4.50	6.80	9.00	11.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		60Hz	1.10	1.90	3.80	5.70	7.50	9.40	—	—	—	—	—	—	—	—	—	—	—	—	—	—

○ (1#+2#) High Ratio Output Torque

※ Unit: Kg.m

Power	Ratio	250	300	350	400	450	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1650	1700	1800	
0.1KW 1/8HP	Light duty type	50Hz	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6
		60Hz	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6

note : () vertical motor parameters



3# Gearbox with shaft dia Ø28mm with 3-phase motor parameters

○ Dimensions

※ Unit: mm

POWER	Ratio	A	D	E	F	G	H	J	K	L	M	P	Q	S	T	W	X	Y	Z	(Kg) Weight
0.1KW 1/8HP	(1#+3#) Standard type250 ~ 1800	380	90(170)	140(220)	178(218)	120(200)	11	36.8	70(58)	14(14)	129	45	40	28	31	7	178	116(4)	117	13.5(14.6)
	Standard type100 ~ 200	355	90(170)	140(220)	178(218)	120(200)	11	20.8	70(58)	14(14)	129	45	40	28	31	7	178	116(4)	117	10.5(10.8)
0.2KW 1/4HP	(1#+3#) Light duty type250 ~ 1800	380	90(170)	140(220)	178(218)	120(200)	11	36.8	70(58)	14(14)	129	45	40	28	31	7	178	116(4)	117	12.2(12.5)
	Standard type15 ~ 90	360	90(170)	140(220)	178(218)	120(200)	11	20.8	70(58)	14(14)	160	45	40	28	31	7	178	116(4)	133	12.5(13)
0.4KW 1/2HP	Light duty type100 ~ 160	355	90(170)	140(220)	178(218)	120(200)	11	20.8	70(58)	14(14)	160	45	40	28	31	7	178	116(4)	133	12.5(13)
	Standard type3 ~ 25	380	90(170)	140(220)	178(218)	120(200)	11	20.8	70(58)	14(14)	160	45	40	28	31	7	178	116(4)	133	14.5(15)
0.75KW 1HP	Light duty type30 ~ 120	380	90(170)	140(220)	178(218)	120(200)	11	20.8	70(58)	14(14)	160	45	40	28	31	7	178	116(4)	133	14.5(15)
	Light duty type3 ~ 30	385	90(170)	140(220)	178(218)	120(200)	11	20.8	70(58)	14(14)	182	45	40	28	31	7	178	116(4)	143	19(19.5)

○ Output Torque

※ Unit: Kg.m

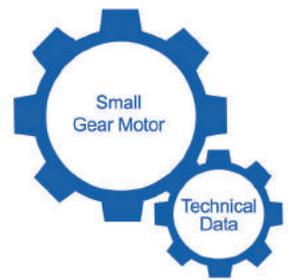
Power	Ratio	3	5	10	15	20	25	30	40	45	50	60	70	80	90	100	120	140	160	180	200	
0.2KW 1/4HP	Standar type100 ~ 200	50Hz	—	—	—	—	—	—	—	—	—	—	—	—	—	11.5	13.8	16.0	18.3	20.7	22.9	
		60Hz	—	—	—	—	—	—	—	—	—	—	—	—	—	9.60	11.5	13.4	15.3	17.3	19.1	
0.4KW 1/2HP	Standar type15 ~ 90	50Hz	—	—	—	3.60	4.80	6.00	7.20	9.30	10.9	11.6	13.9	16.2	18.4	20.7	—	—	—	—	—	—
		60Hz	—	—	—	3.00	4.00	5.00	6.00	7.80	9.10	9.70	11.6	13.5	15.4	17.3	—	—	—	—	—	—
	Light duty type100 ~ 160	50Hz	—	—	—	—	—	—	—	—	—	—	—	—	—	—	22.9	22.9	22.9	22.9	—	—
		60Hz	—	—	—	—	—	—	—	—	—	—	—	—	—	—	19.2	22.9	22.9	22.9	—	—
0.75KW 1HP	Standar type3 ~ 25	50Hz	1.30	2.20	4.50	6.80	9.00	11.2	—	—	—	—	—	—	—	—	—	—	—	—	—	
		60Hz	1.10	1.90	3.80	5.70	7.50	9.40	—	—	—	—	—	—	—	—	—	—	—	—	—	
	Light duty type30 ~ 120	50Hz	—	—	—	—	—	—	13.5	17.5	20.6	21.9	22.9	22.9	22.9	22.9	22.9	22.9	—	—	—	—
		60Hz	—	—	—	—	—	—	11.3	14.6	17.0	18.3	21.9	22.9	22.9	22.9	22.9	22.9	—	—	—	—
1.5KW 2HP	Light duty type3 ~ 30	50Hz	2.60	4.50	9.10	13.5	18.1	22.6	22.9	—	—	—	—	—	—	—	—	—	—	—	—	—
		60Hz	2.20	3.80	7.60	11.3	15.1	18.9	22.6	—	—	—	—	—	—	—	—	—	—	—	—	—

○ (1#+3#) High Ratio Output Torque

※ Unit: Kg.m

Power	Ratio	250	300	350	400	450	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1650	1700	1800		
0.1KW 1/8HP	Standar type250 ~ 1800	50Hz	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	
		60Hz	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
0.2KW 1/4HP	Light duty type250 ~ 1800	50Hz	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
		60Hz	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9

note : () vertical motor parameters



4# Gearbox with shaft dia Ø32mm with 3-phase motor parameters

○ Dimensions

※ Unit: mm

POWER	Ratio	A	D	E	F	G	H	J	K	L	M	P	Q	S	T	W	X	Y	Z	(Kg) Weight
0.2KW 1/4HP	(2#+4#) Standard type250 ~ 1800	470	130(185)	170(255)	200(248)	168(225)	13	48.4	70(66)	18(16)	129	55	50	32	35	10	215	138.5(4)	117	27.6(28)
	Standard type100 ~ 200	395	130(185)	170(255)	200(248)	168(225)	13	30.2	70(66)	18(16)	160	55	50	32	35	10	215	138.5(4)	133	26.0(26.9)
0.4KW 1/2HP	(2#+4#) Light duty type250 ~ 1800	475	130(185)	170(255)	200(248)	168(225)	13	48.4	70(66)	18(16)	160	55	50	32	35	10	215	138.5(4)	133	29.6(30)
	Standard type30 ~ 120	415	130(185)	170(255)	200(248)	168(225)	13	30.2	70(66)	18(16)	160	55	50	32	35	10	215	138.5(4)	133	28(26.5)
0.75KW 1HP	Light duty type125 ~ 150	415	130(185)	170(255)	200(248)	168(225)	13	30.2	70(66)	18(16)	160	55	50	32	35	10	215	138.5(4)	133	28(26.5)
	Standard type3 ~ 30	445	130(185)	170(255)	200(248)	168(225)	13	30.2	70(66)	18(16)	182	55	50	32	35	10	215	138.5(4)	143	32.5(30.5)
1.5KW 2HP	Light duty type40 ~ 100	445	130(185)	170(255)	200(248)	168(225)	13	30.2	70(66)	18(16)	182	55	50	32	35	10	215	138.5(4)	143	32.5(30.5)
	Light duty type 3 ~ 40	475	130(185)	170(255)	200(248)	168(225)	13	30.2	70(66)	18(16)	182	55	50	32	35	10	215	138.5(4)	143	37.1(35.1)

○ Output Torque

※ Unit: Kg.m

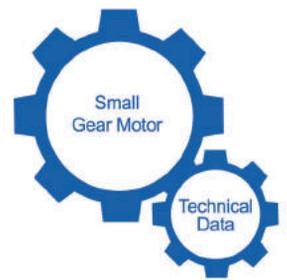
Power	Ratio	3	5	10	15	20	25	30	40	45	50	60	70	80	90	100	120	140	160	180	200		
0.4KW 1/2HP	Standar type100 ~ 200	50Hz	—	—	—	—	—	—	—	—	—	—	—	—	—	—	23.0	27.7	32.0	36.3	40.8	43.2	
		60Hz	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	19.2	23.1	26.7	30.3	34.0	36.0
0.75KW 1HP	Standar type30 ~ 120	50Hz	—	—	—	—	—	13.5	17.5	20.6	21.9	26.2	31.5	35.5	39.3	43.2	51.8	—	—	—	—	—	
		60Hz	—	—	—	—	—	—	11.3	14.6	17.0	18.3	21.9	26.3	29.6	32.8	36.0	43.2	—	—	—	—	
	Light duty type125 ~ 150	50Hz	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	51.8	51.8	51.8	—	—	
		60Hz	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	43.2	49.8	51.8	—	—
1.5KW 2HP	3 ~ 30 Standar type3 ~ 30	50Hz	2.60	4.50	9.10	13.5	18.1	22.6	27.1	—	—	—	—	—	—	—	—	—	—	—	—	—	
		60Hz	2.20	3.80	7.60	11.3	15.1	18.9	22.6	—	—	—	—	—	—	—	—	—	—	—	—	—	
	Light duty type40 ~ 100	50Hz	—	—	—	—	—	—	—	34.9	41.1	43.6	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	—
		60Hz	—	—	—	—	—	—	—	29.1	34.0	36.4	43.7	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	—
2.2KW 3HP	Light duty type3 ~ 40	50Hz	3.8	6.72	13.7	20.1	26.8	33.6	40.3	51.8	—	—	—	—	—	—	—	—	—	—	—	—	
		60Hz	3.2	5.6	11.2	16.8	22.4	28	33.6	43.7	—	—	—	—	—	—	—	—	—	—	—	—	

○ (2#+4#) High Ratio Output Torque

※ Unit: Kg.m

Power	Ratio	250	300	350	400	450	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1650	1700	1800		
0.2KW 1/4HP	Standar type250 ~ 1800	50Hz	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	
		60Hz	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
0.4KW 1/2HP	Light duty type250 ~ 1800	50Hz	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
		60Hz	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8

note : () vertical motor parameters



5# Gearbox with shaft dia Ø40mm with 3-phase motor parameters

○ Dimensions

※ Unit: mm

POWER	Ratio	A	D	E	F	G	H	J	K	L	M	P	Q	S	T	W	X	Y	Z	(Kg) Weight
0.4KW 1/2HP	(3#+5#) Standard type250 ~ 1800	540	150(230)	210(310)	265(290)	205(268)	15	56.2	84(85)	24(20)	160	65	60	40	43	10	300	160(5)	133	46(47)
	Light duty type250 ~ 1800	560	150(230)	210(310)	265(290)	205(268)	15	36	84(85)	24(20)	160	65	60	40	43	10	300	160(5)	133	48(49)
0.75KW 1HP	Standard type125 ~ 200	465	150(230)	210(310)	265(290)	205(268)	15	36	84(85)	24(20)	160	65	60	40	43	10	300	160(5)	133	42.3(41.9)
	(3#+5#) Light duty type250 ~ 1800	560	150(230)	210(310)	265(290)	205(268)	15	36	84(85)	24(20)	160	65	60	40	43	10	300	160(5)	133	48(49)
1.5KW 2HP	Standard type40 ~ 100	490	150(230)	210(310)	265(290)	205(268)	15	36	84(85)	24(20)	182	65	60	40	43	10	300	160(5)	143	47.5(49)
	Light duty type110 ~ 150	490	150(230)	210(310)	265(290)	205(268)	15	36	84(85)	24(20)	182	65	60	40	43	10	300	160(5)	143	47.5(49)
2.2KW 3HP	Standard type3 ~ 40	525	150(230)	210(310)	265(290)	205(268)	15	36	84(85)	24(20)	212	65	60	40	43	10	300	160(5)	156	53(55)
	Light duty type50 ~ 80	525	150(230)	210(310)	265(290)	205(268)	15	36	84(85)	24(20)	212	65	60	40	43	10	300	160(5)	156	53(55)
3.7KW 5HP	Standard type3 ~ 40	565	150(230)	210(310)	265(290)	205(268)	15	36	84(85)	24(20)	212	65	60	40	43	10	300	160(5)	156	64(66)
	Light duty type 15 ~ 60	565	150(230)	210(310)	265(290)	205(268)	15	36	84(85)	24(20)	212	65	60	40	43	10	300	160(5)	156	64(66)

○ Output Torque

※ Unit: Kg.m

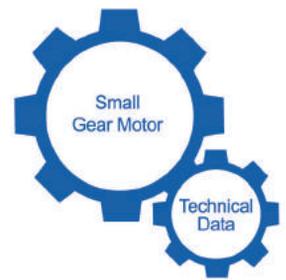
Power	Ratio	3	5	10	15	20	25	30	40	45	50	60	70	80	90	100	120	140	160	180	200	
0.75KW 1HP	Standar type125 ~ 200	50Hz	—	—	—	—	—	—	—	—	—	—	—	—	—	—	51.8	59.7	68.0	76.8	82.8	
		60Hz	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	43.2	49.8	56.7	64.0	69.0
1.5KW 2HP	Standar type40 ~ 100	50Hz	—	—	—	—	—	—	34.9	41.1	43.6	52.4	62.4	70.8	77.1	82.8	—	—	—	—	—	
		60Hz	—	—	—	—	—	—	29.1	34.0	36.4	43.7	52.0	59.0	64.3	69.8	—	—	—	—	—	
	Light duty type110 ~ 150	50Hz	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	82.8	82.8	82.8	—	—
		60Hz	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	82.8	82.8	82.8	—
2.2KW 3HP	Standar type3 ~ 40	50Hz	3.80	6.72	13.7	20.1	26.8	33.6	40.3	52.0	—	—	—	—	—	—	—	—	—	—	—	
		60Hz	3.20	5.60	11.2	16.8	22.4	28.0	33.6	43.4	—	—	—	—	—	—	—	—	—	—	—	
	Light duty type50 ~ 80	50Hz	—	—	—	—	—	—	—	—	—	65.1	78.1	82.8	82.8	—	—	—	—	—	—	
		60Hz	—	—	—	—	—	—	—	—	—	54.3	65.1	77.1	82.8	—	—	—	—	—	—	
3.7KW 5HP	Standar type3 ~ 10	50Hz	6.00	11.0	22.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
		60Hz	5.50	10.0	20.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	Light duty type15 ~ 60	50Hz	—	—	—	32.6	43.6	53.9	64.7	82.8	82.8	82.8	82.8	—	—	—	—	—	—	—	—	
		60Hz	—	—	—	29.8	36.0	49.53	58.8	78.4	81.7	82.8	82.8	—	—	—	—	—	—	—	—	

○ (3#+5#) High Ratio Output Torque

※ Unit: Kg.m

Power	Ratio	250	300	350	400	450	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1650	1700	1800		
0.4KW 1/2HP	Standar type250 ~ 1800	50Hz	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	
		60Hz	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
0.75KW 1HP	Light duty type250 ~ 1800	50Hz	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
		60Hz	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8

note : () vertical motor parameters



6# Gearbox with shaft dia Ø50mm with 3-phase motor parameters

○ Dimensions

※ Unit: mm

POWER	Ratio	A	D	E	F	G	H	J	K	L	M	P	Q	S	T	W	X	Y	Z	(Kg) Weight
0.75KW 1HP	(4#+6#) Standard type250 ~ 1800	620	170(280)	265(390)	310(365)	230(335)	18	81.2	122(92)	30(25)	160	80	75	50	53.5	14	350	200(5)	133	91.5 (88)
1.5KW 2HP	Standard type110 ~ 180	530	170(280)	265(390)	310(365)	230(335)	18	51	122(92)	30(25)	182	80	75	50	53.5	14	350	200(5)	143	70 (72)
	(4#+6#) Standard type250 ~ 1800	650	170(280)	265(390)	310(365)	230(335)	18	81.2	122(92)	30(25)	182	80	75	50	53.5	14	350	200(5)	143	96.5(93)
2.2KW 3HP	Standard type50 ~ 90	560	170(280)	265(390)	310(365)	230(335)	18	51	122(92)	30(25)	212	80	75	50	53.5	14	350	200(5)	156	81(83)
3.7KW 5HP	Standard type15 ~ 60	600	170(280)	265(390)	310(365)	230(335)	18	51	122(92)	30(25)	212	80	75	50	53.5	14	350	200(5)	156	85(87)
5.5KW 7.5HP	Standard type 5 ~ 30	683	170(280)	265(390)	310(365)	230(335)	18	51	122(92)	30(25)	275	80	75	50	53.5	14	350	200(5)	100	97(99)
7.5KW 10HP	Standard type 5 ~ 20	710	170(280)	265(390)	310(365)	230(335)	18	51	122(92)	30(25)	275	80	75	50	53.5	14	350	200(5)	100	100(111)

○ Output Torque

※ Unit: Kg.m

Power	Ratio	3	5	10	15	20	25	30	40	45	50	60	70	80	90	100	120	140	160	180	200
1.5KW 2HP	Standar type110 ~ 180	50Hz	—	—	—	—	—	—	—	—	—	—	—	—	—	83.7	101	116	132	148	—
		60Hz	—	—	—	—	—	—	—	—	—	—	—	—	—	69.8	83.7	96.8	110	123	—
2.2KW 3HP	Standar type50 ~ 90	50Hz	—	—	—	—	—	—	—	—	65.1	78.1	92.5	105	113	—	—	—	—	—	—
		60Hz	—	—	—	—	—	—	—	—	54.3	65.1	77.1	87.5	94.3	—	—	—	—	—	—
3.7KW 5HP	Standar type15 ~ 60	50Hz	—	—	32.6	43.6	53.9	64.7	86.3	98.5	107	127	—	—	—	—	—	—	—	—	—
		60Hz	—	—	29.8	36.0	49.53	58.8	78.4	81.7	97.0	115	—	—	—	—	—	—	—	—	—
5.5KW 7.5HP	Standard type 5 ~ 30	—	—	17	37	56	73	89	104	—	—	—	—	—	—	—	—	—	—	—	—
7.5KW 10HP	Standard type 5 ~ 20	—	—	26	49	76	99	—	—	—	—	—	—	—	—	—	—	—	—	—	—

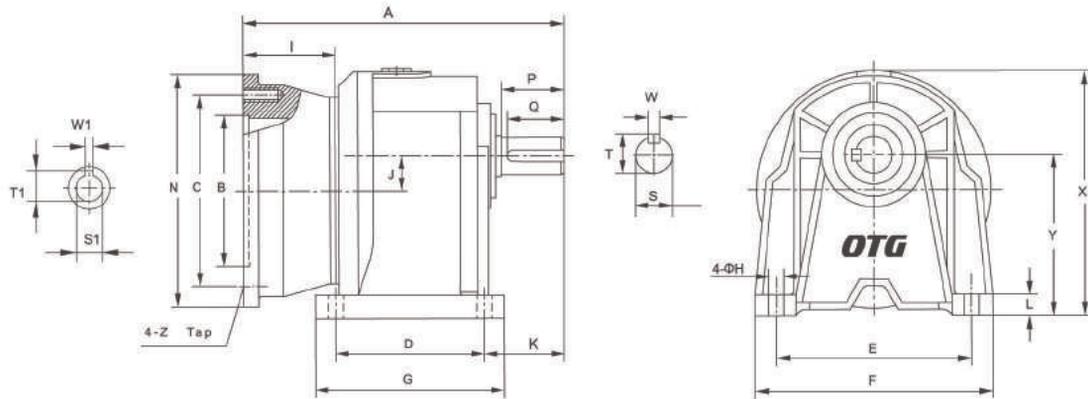
○ (4#+6#) High Ratio Output Torque

※ Unit: Kg.m

Power	Ratio	250	300	350	400	450	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1650	1700	1800		
0.75KW 1HP	Standar type250 ~ 1800	50Hz	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148	
		60Hz	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148
1.5KW 2HP	Standar type250 ~ 1800	50Hz	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148
		60Hz	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148

note : () vertical motor parameters

Gearbox Input IEC Flange Horizontal Type (HM)



Input Bore				
Power	Bore		Keyway	
	S1	F7	W1	T1
0.2KW	Φ11		4	12.8
0.4KW	Φ14		5	16.3
0.75KW	Φ19		6	21.8
1.5KW	Φ24		8	27.3
2.2KW	Φ28		8	31.3
3.7KW	Φ28		8	31.3
5.5KW	Φ38		10	41.5

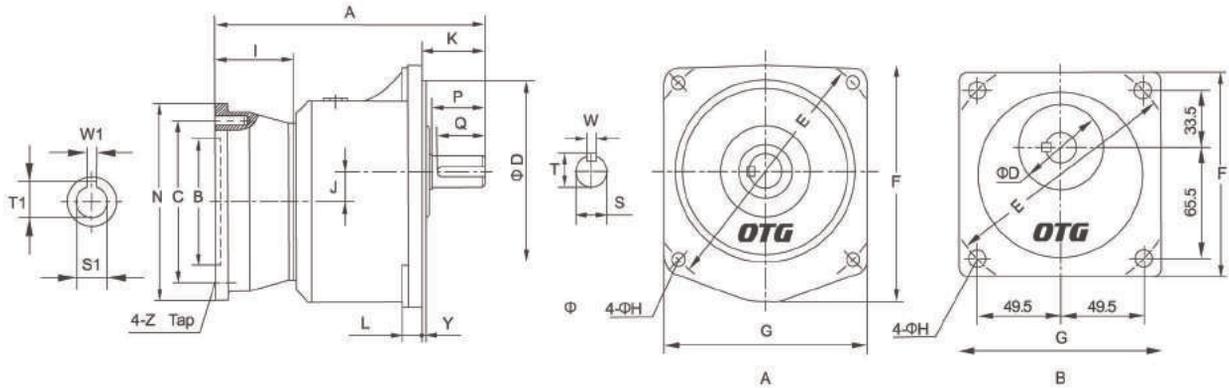
Output Shaft						
Shaft		Keyway			Key	
S	h6	P	W	T	Q	SPEC'
Φ18		30	5	20	25	5x5x25
Φ22		40	7	25	35	7x7x35
Φ28		45	7	31	40	7x7x40
Φ32		55	10	35	50	10x8x50
Φ40		65	10	43	60	10x8x60
Φ50		80	14	53.5	75	14x9x75

Dimensions

mm

Power	Ratio	Size (S)	A	B	C	D	E	F	G	H	I	J	K	L	N	X	Y	Z
0.2KW 1/4HP	3-10	18#	160	110	130	40	110	135	65	9	55	16	50	14	160	132	88.5	M8
	15-90	22#	190	110	130	65	130	158	90	11	55	18.17	60	13	160	152	97.5	M8
	100-200	28#	220	110	130	90	140	178	120	11	55	20.8	70	14	160	178	116	M8
0.4KW 1/2HP	3-10	22#	190	110	130	65	130	158	90	11	55	18.17	60	13	160	152	97.5	M8
	15-90	28#	220	110	130	90	140	178	120	11	55	20.8	70	14	160	178	116	M8
	100-200	32#	260	110	130	130	170	200	168	13	55	30.2	70	18	160	215	138.5	M8
0.75KW 1HP	3-25	28#	245	130	165	90	140	178	120	11	80	20.8	70	14	200	178	116	M10
	30-120	32#	285	130	165	130	170	200	168	13	80	30.2	70	18	200	215	138.5	M10
	125-200	40#	330	130	165	150	210	265	205	15	80	36	84	24	200	300	160	M10
1.5KW 2HP	3-30	32#	285	130	165	130	170	200	168	13	80	30.2	70	18	200	215	138.5	M10
	40-100	40#	330	130	165	150	210	265	205	15	80	36	84	24	200	300	160	M10
2.2KW 3HP	3-40	40#	355	180	215	150	210	265	205	15	105	36	84	24	250	300	160	M12
	50-90	50#	395	180	215	170	265	310	230	18	105	51	122	30	250	350	200	M12
3.7KW 5HP	3-10	40#	355	180	215	150	210	265	205	15	105	36	84	24	250	300	160	M12
	15-60	50#	395	180	215	170	265	310	230	18	105	51	122	30	250	350	200	M12
5.5KW 7.5HP	3-30	50#	420	230	265	170	265	310	230	18	130	51	122	30	300	310	200	M12

Gearbox Input IEC Flange Vertical Type (VM)



Input Bore			
Power	Bore		Keyway
	S1	F7	T1
0.2KW	Φ11		4 12.8
0.4KW	Φ14		5 16.3
0.75KW	Φ19		6 21.8
1.5KW	Φ24		8 27.3
2.2KW	Φ28		8 31.3
3.7KW	Φ28		8 31.3
5.5KW	Φ38		10 41.5

Output Shaft							
Shaft		Keyway			Key	Remark	
S	h6	P	W	T	Q	SPEC'	
Φ18		30	5	20	25	5x5x25	B
Φ22		40	7	25	35	7x7x35	A
Φ28		45	7	31	40	7x7x40	A
Φ32		55	10	35	50	10x8x50	A
Φ40		65	10	43	60	10x8x60	A
Φ50		80	14	53.5	75	14x9x75	A

Dimensions

mm

Power	Ratio	Size (S)	A	B	C	D	E	F	G	H	I	J	K	L	N	Y	Z
0.2KW 1/4HP	3 - 10	18#	160	110	130	50	140	120	120	9	55	16	39	10	160	6	M8
	15 - 90	22#	190	110	130	148	185	176	165	11	55	18.17	45	12	160	3.5	M8
	100-200	28#	220	110	130	170	220	218	200	11	55	20.8	58	14	160	4	M8
0.4KW 1/2HP	3 - 10	22#	190	110	130	148	185	176	165	11	55	18.17	45	12	160	3.5	M8
	15 - 90	28#	220	110	130	170	220	218	200	11	55	20.8	58	14	160	4	M8
	100-200	32#	260	110	130	185	255	248	225	13	55	30.2	66	16	160	4	M8
0.75KW 1HP	3 - 25	28#	245	130	165	170	220	218	200	11	80	20.8	58	14	200	4	M10
	30-120	32#	285	130	165	185	255	248	225	13	80	30.2	66	16	200	4	M10
	125-200	40#	330	130	165	230	310	290	268	15	80	36	85	20	200	5	M10
1.5KW 2HP	3 - 30	32#	285	130	165	185	255	248	225	13	80	30.2	66	16	200	4	M10
	40-100	40#	330	130	165	230	310	290	268	15	80	36	85	20	200	5	M10
2.2KW 3HP	3 - 40	40#	355	180	215	230	310	290	268	15	105	36	85	20	250	5	M12
	50-90	50#	395	180	215	280	390	365	335	18	105	51	92	25	250	5	M12
3.7KW 5HP	3 - 10	40#	355	180	215	230	310	290	268	15	105	36	85	20	250	5	M12
	15-60	50#	395	180	215	280	390	365	335	18	105	51	92	25	250	5	M12
5.5KW 7.5HP	3 - 30	50#	395	230	265	280	390	365	335	18	130	51	92	25	300	5	M12