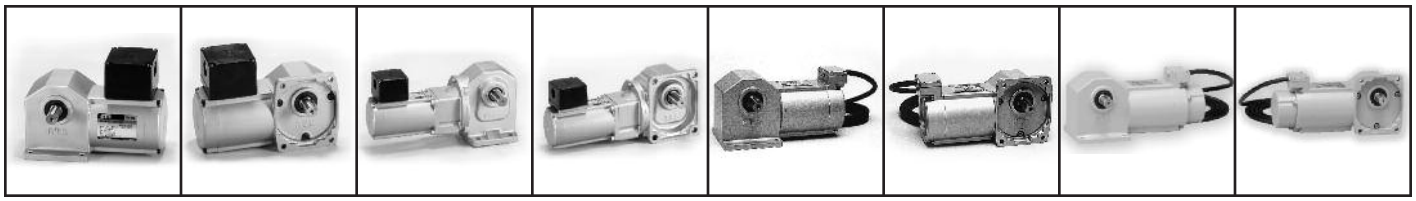


Spec Table 2.0

Specifications						Dimensional Drawing													
						Motor				Brakemotor				Motor IP-65				Brakemotor IP-65			
						Single Phase		Three Phase		Single Phase		Three Phase		Single Phase		Three Phase		Single Phase		Three Phase	
Hp	Frame	Ratio X:1 GR	Nominal RPM n	Torque (in-lbs) TR	O.H.L. (lbs) OHL	Foot	Flange	Foot	Flange	Foot	Flange	Foot	Flange	Foot	Flange	Foot	Flange	Foot	Flange	Foot	Flange
1/50	15	10	180	6	77	Dwg 2.0 A	Dwg 2.2 A	Dwg 2.0 A	Dwg 2.2 A	Dwg 2.0 A2	Dwg 2.2 A2	Dwg 2.0 A2	Dwg 2.2 A2	Dwg 2.4 A	Dwg 2.5 A	Dwg 2.4 A	Dwg 2.5 A	Dwg 2.4 A2	Dwg 2.5 A2	Dwg 2.4 A2	Dwg 2.5 A2
		15	120	9	99																
		20	90	12	121																
		25	72	14	132																
		30	60	17	154																
		40	45	23	176																
		50	36	29	198																
		60	30	35	220																
		80	23	44	220																
		100	18	55	243																
		120	15	66	243																
		160	11	88	243																
		200	9	110	243																
		240	7.5	132	243																
	22	300	6	148	397	Dwg 2.1 A	Dwg 2.3 A	Dwg 2.1 A	Dwg 2.3 A	Dwg 2.1 A2	Dwg 2.3 A2	Dwg 2.1 A2	Dwg 2.3 A2	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
		375	4.8	185	397																
		450	4	222	397																
		600	3	296	397																
		750	2.4	370	397																
		900	2	445	397																
		1200	1.5	593	397																
		1500	1.2	741	397																
		1800	1	868	397																
		1500	1.2	741	397																
		1800	1	868	397																

Notes:

1. Motor and brakemotor electrical data shown on Pages 10~13.
2. The gearmotor length dimension that applies is noted as A or A2 in the "Motor" and "Brakemotor" columns.
3. Brother 3 phase gearmotors are suitable for use with a VFD. See Fig 1.18, Page 15 for details.

Model Number for Ordering

H	L	15	R	030	-	B	M	LC	2	A	X
Type	Mount Form	Frame	Shaft/Bore Arrangement	Gear Ratio		UL/CSA	Motor Type	Motor Power	Supply Voltage	Terminal Box/Leads	Special Spec
H: H Series	L: Foot Mount F: Flange Mount	15 22	R: Right Shaft L: Left Shaft T: Double Shaft Ref: Fig 2.1	030 : 30:1 120 : 120:1 900 : 900:1 12X : 1200:1		B: UL/CSA	M: Motor B: Brakemotor WM: IP-65 Motor WB: IP-65 Brakemotor	Frame 15, 22 LC: 1/50 Hp (15w)	Single Phase 1: 115V, 60Hz 5: 220V, 60Hz 6: 230V, 60Hz 7: OEM Spec (Fig 1.6, Pg 11) Three Phase 2: 208/230V, 60Hz 3: 460V, 60Hz* 8: OEM Spec (Fig 1.5, Pg 11) *No 460V for IP-65	Standard Type A: Die Cast Box (IP-44) C: Plastic Box (IP-20) N: Leads 11.8 in, IP-20 IP-65 Motor N: Cord, 6 ft IP-65 Brakemotor N: Cord, 6 ft	Blank: Standard Type X: Special Spec

CAD Drawings

Go to www.BrotherGearmotors.com and enter the desired model number in the configurator. DXF, 3D, and PDF files are available to view or download.

Special Specs

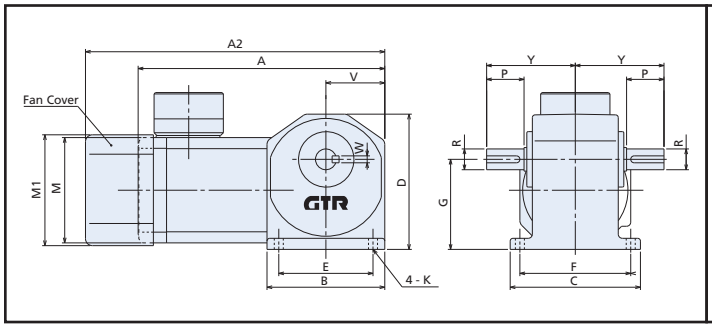
Notes:

1. Lead Wire Location: specify the code from Fig 1.14 , Page 14 on your purchase order.
2. Terminal Box Location: specify the code from Fig 1.15 Page 14 on your purchase order.
3. IP-65 Cord Location Location: specify the code from Fig 1.16 , Page 14 on your purchase order.
4. Special Voltage: specify the Voltage/Frequency from Page 11, Fig 1.5.(3 phase) or Fig 1.6 (1 phase) on your purchase order.
5. For any other special OEM requirement, please consult Brother.

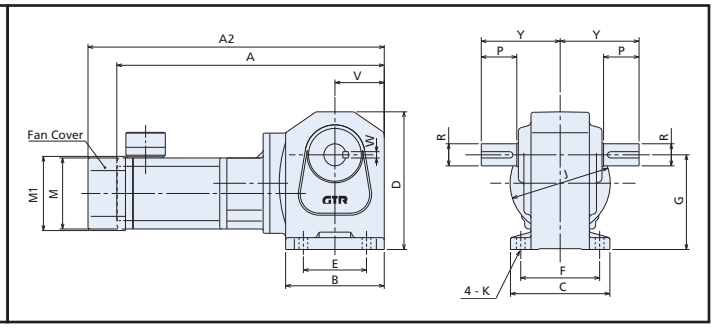
brother at your side

Frame	Drawing	A	A2	B	C	D	E	F	G	K	M	M1	V	Y	P	R	W	Wt (lb)
15	2.0	7.01	8.50	3.35	3.70	3.86	2.68	3.15	2.56	0.26	2.99	3.15	1.67	2.52	1.06	0.6250	0.1875	7
22	2.1	11.99	13.48	4.17	4.57	5.91	2.76	3.54	4.13	0.43	2.99	3.15	2.09	3.54	1.57	0.8750	0.1875	13.5

Dwg 2.0

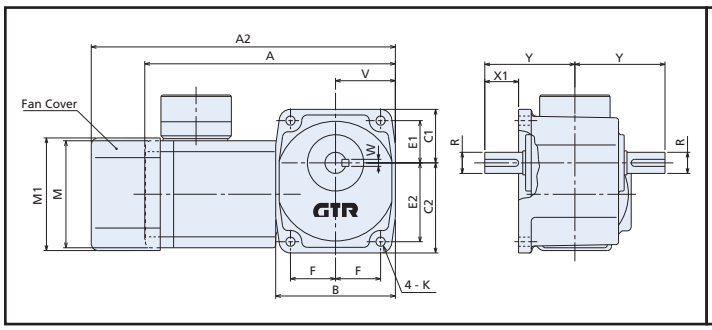


Dwg 2.1

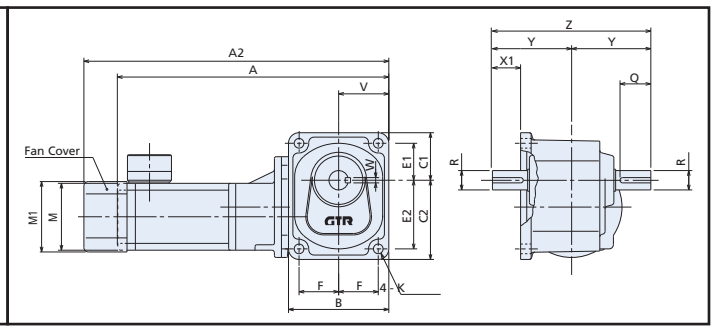


Frame	Drawing	A	A2	B	C1	C2	E1	E2	F	K	M	M1	V	Y	X1	R	W	Wt (lb)
15	2.2	7.01	8.5	3.35	1.5	2.52	1.18	2.2	1.26	0.26	2.99	3.15	1.67	2.52	0.94	0.625	0.1875	7
22	2.3	12.14	13.64	4.49	2.13	3.54	1.65	3.07	1.77	0.43	2.99	3.15	2.24	3.54	1.26	0.875	0.1875	13.5

Dwg 2.2



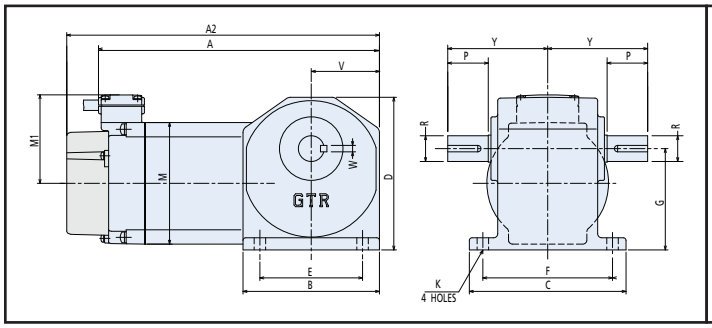
Dwg 2.3



Frame	Drawing	A	A2	B	C	D	E	F	G	K	M	M1	V	Y	P	R	W	Wt (lb)
15	2.4	7.56	8.43	3.35	3.70	3.86	2.68	3.15	2.56	0.26	2.99	2.28	1.67	2.52	1.06	0.6250	0.1875	7

Frame	Drawing	A	A2	B	C1	C2	E1	E2	F	K	M	M1	V	Y	X1	R	W	Wt (lb)
15	2.5	7.56	8.43	3.35	1.50	2.52	1.18	2.20	1.26	0.26	2.99	2.28	0.94	1.57	0.94	0.6250	0.1875	7

Dwg 2.4



Dwg 2.5

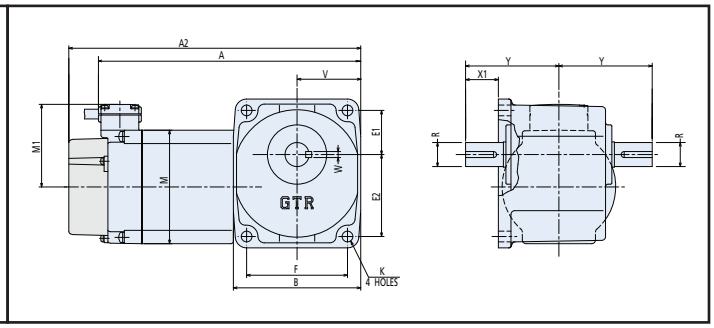
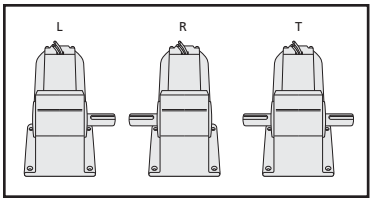
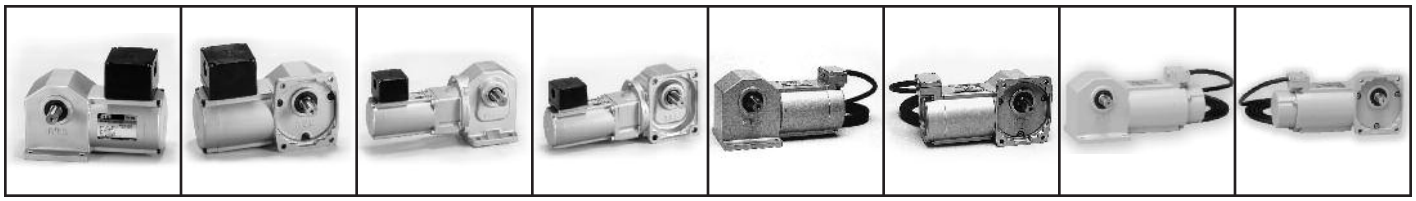


Fig. 2.1





Spec Table 2.1

Specifications						Dimensional Drawing													
						Motor				Brakemotor				Motor IP-65				Brakemotor IP-65			
						Single Phase		Three Phase		Single Phase		Three Phase		Single Phase		Three Phase		Single Phase		Three Phase	
Hp	Frame	Ratio X:1 GR	Nominal RPM n	Torque (in-lbs) TR	O.H.L. (lbs) OHL	Foot	Flange	Foot	Flange	Foot	Flange	Foot	Flange	Foot	Flange	Foot	Flange	Foot	Flange	Foot	Flange
1/30	15	10	180	10	121	Dwg 2.6 A	Dwg 2.8 A	Dwg 2.6 A	Dwg 2.8 A	Dwg 2.6 A2	Dwg 2.8 A2	Dwg 2.6 A2	Dwg 2.8 A2	Dwg 2.10 A	Dwg 2.11 A	Dwg 2.10 A	Dwg 2.11 A	Dwg 2.10 A2	Dwg 2.11 A2	Dwg 2.10 A2	Dwg 2.11 A2
		15	120	14	132																
		20	90	19	154																
		25	72	24	176																
		30	60	29	198																
		40	45	39	220																
		50	36	48	220																
		60	30	58	243																
		80	23	73	243																
		100	18	91	243																
		120	15	110	243																
		160	11	146	243																
		200	9	183	243																
		240	7.5	220	243																
	22	300	6	247	397	Dwg 2.7 A	Dwg 2.9 A	Dwg 2.7 A	Dwg 2.9 A	Dwg 2.7 A2	Dwg 2.9 A2	Dwg 2.7 A2	Dwg 2.9 A2	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
		375	4.8	309	397																
		450	4	370	397																
		600	3	494	397																
		750	2.4	617	397																
		900	2	741	397																
	28	1200	1.5	988	617	Dwg 2.7 A	Dwg 2.9 A	Dwg 2.7 A	Dwg 2.9 A	Dwg 2.7 A2	Dwg 2.9 A2	Dwg 2.7 A2	Dwg 2.9 A2	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
		1500	1.2	1235	617																
		1800	1	1476	617																

Notes:

1. Motor and brakemotor electrical data shown on Pages 10~13.
2. The gearmotor length dimension that applies is noted as A or A2 in the "Motor" and "Brakemotor" columns.
3. Brother 3 phase gearmotors are suitable for use with a VFD. See Fig 1.18, Page 15 for details.

Model Number for Ordering

H	L	15	R	030	-	B	M	LC	2	A	X
Type	Mount Form	Frame	Shaft/Bore Arrangement	Gear Ratio		UL/CSA	Motor Type	Motor Power	Supply Voltage	Terminal Box/Leads	Special Spec
H: H Series	L: Foot Mount F: Flange Mount	15 22 28	R: Right Shaft L: Left Shaft T: Double Shaft Ref: Fig 2.1	030 : 30:1 120 : 120:1 900 : 900:1 12X : 1200:1		B: UL/CSA	M: Motor B: Brakemotor WM: IP-65 Motor WB: IP-65 Brakemotor	Frame 15, 22 LD: 1/30 Hp (25w) Frame 28 RD: 1/30Hp (25w)	Single Phase 1: 115V, 60Hz 5: 220V, 60Hz 6: 230V, 60Hz 7: OEM Spec (Fig 1.6, Pg 11) Three Phase 2: 208/230V, 60Hz 3: 460V, 60Hz* 8: OEM Spec (Fig 1.5, Pg 11) *No 460V for IP-65	Standard Type A: Die Cast Box (IP-44) C: Plastic Box (IP-20) N: Leads 11.8 in, IP-20 IP-65 Motor N: Cord, 6 ft IP-65 Brakemotor N: Cord, 6 ft	Blank: Standard Type X: Special Spec

CAD Drawings

Go to www.BrotherGearmotors.com and enter the desired model number in the configurator. DXF, 3D, and PDF files are available to view or download.

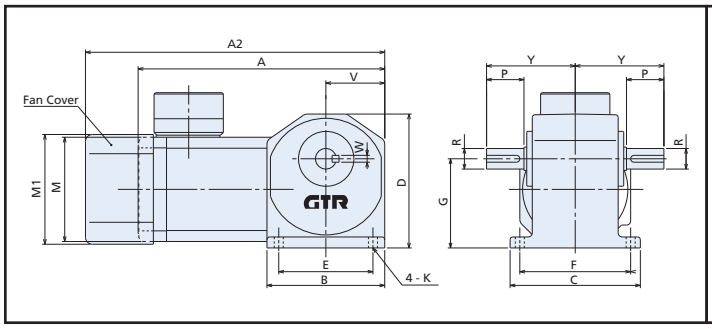
Special Specs

Notes:

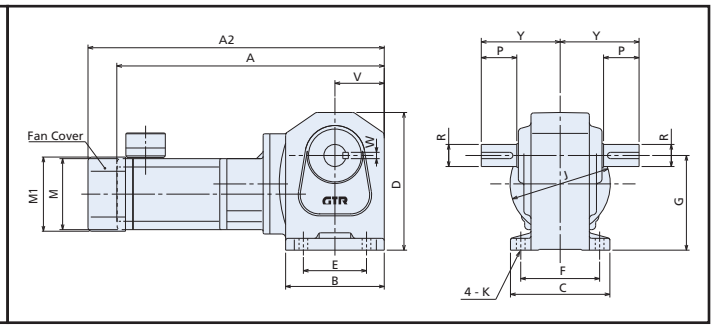
1. Lead Wire Location: specify the code from Fig 1.14 , Page 14 on your purchase order.
2. Terminal Box Location: specify the code from Fig 1.15 Page 14 on your purchase order.
3. IP-65 Cord Location Location: specify the code from Fig 1.16 , Page 14 on your purchase order.
4. Special Voltage: specify the Voltage/Frequency from Page 11, Fig 1.5.(3 phase) or Fig 1.6 (1 phase) on your purchase order.
5. For any other special OEM requirement, please consult Brother.

Frame	Drawing	A	A2	B	C	D	E	F	G	K	M	M1	V	Y	P	R	W	Wt (lb)
15	2.6	7.01	8.50	3.35	3.70	3.86	2.68	3.15	2.56	0.26	2.99	3.15	1.67	2.52	1.06	0.6250	0.1875	7
22	2.7	11.99	13.48	4.17	4.57	5.91	2.76	3.54	4.13	0.43	2.99	3.15	2.09	3.54	1.57	0.8750	0.1875	13.5
28	2.7	13.35	14.78	4.92	4.96	6.89	3.15	3.94	4.72	0.43	3.54	3.70	2.46	3.94	1.77	1.1250	0.2500	20

Dwg 2.6

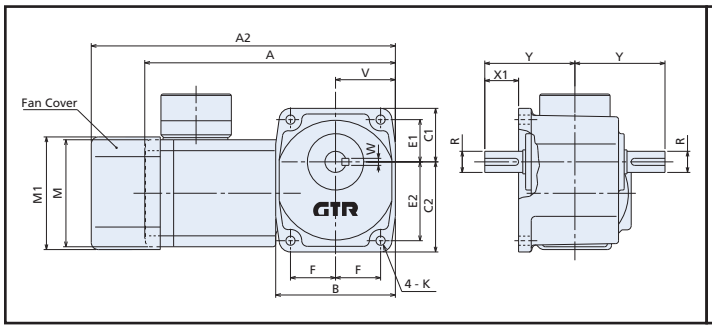


Dwg 2.7

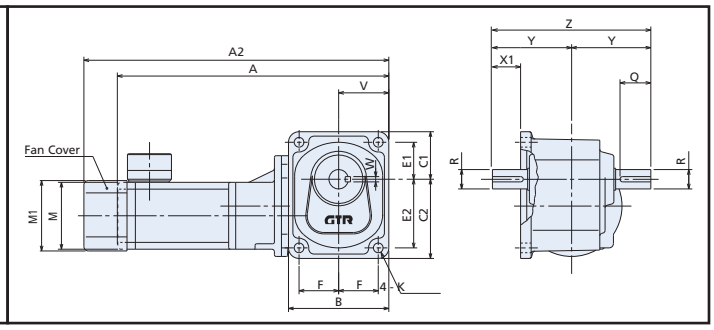


Frame	Drawing	A	A2	B	C	D	E	F	G	K	M	M1	V	Y	P	R	W	Wt (lb)
15	2.8	7.01	8.5	3.35	1.5	2.52	1.18	2.2	1.26	0.26	2.99	3.15	1.67	2.52	0.94	0.625	0.1875	7
22	2.9	12.14	13.64	4.49	2.13	3.54	1.65	3.07	1.77	0.43	2.99	3.15	2.24	3.54	1.26	0.875	0.1875	13.5

Dwg 2.8



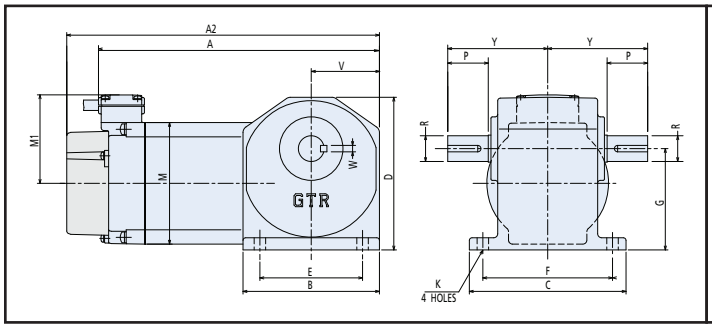
Dwg 2.9



Frame	Drawing	A	A2	B	C	D	E	F	G	K	M	M1	V	Y	P	R	W	Wt (lb)
15	2.10	7.56	8.43	3.35	3.70	3.86	2.68	3.15	2.56	0.26	2.99	2.28	1.67	2.52	1.06	0.6250	0.1875	7

Frame	Drawing	A	A2	B	C1	C2	E1	E2	F	K	M	M1	V	Y	X1	R	W	Wt (lb)
15	2.11	7.56	8.43	3.35	1.50	2.52	1.18	2.20	1.26	0.26	2.99	2.28	0.94	1.57	0.94	0.6250	0.1875	7

Dwg 2.10



Dwg 2.11

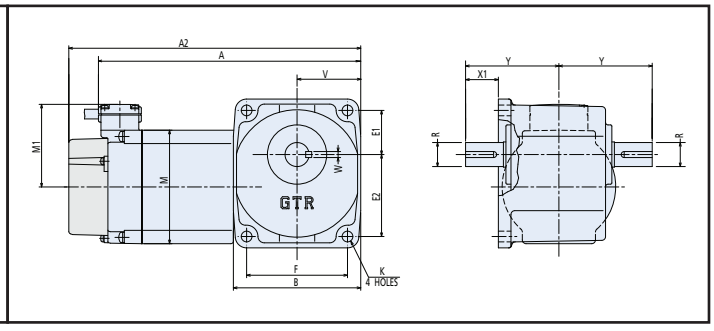
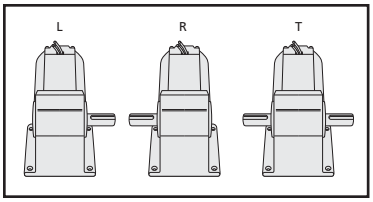
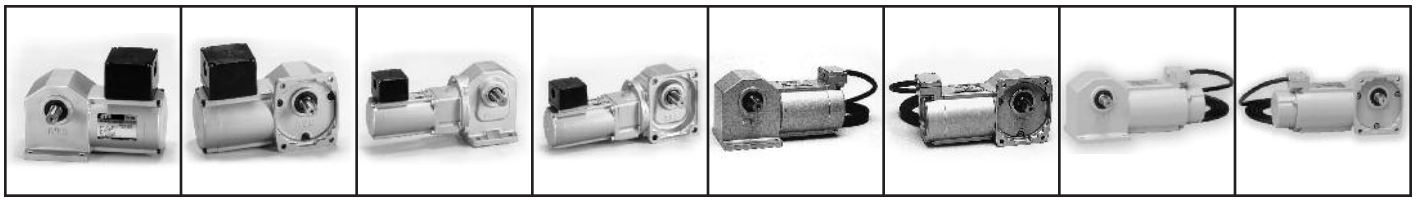


Fig. 2.1





Spec Table 2.2

Specifications						Dimensional Drawing													
						Motor				Brakemotor				Motor IP-65				Brakemotor IP-65			
						Single Phase		Three Phase		Single Phase		Three Phase		Single Phase		Three Phase		Single Phase		Three Phase	
Hp	Frame	Ratio X:1 GR	Nominal RPM n	Torque (in-lbs) TR	O.H.L. (lbs) OHL	Foot	Flange	Foot	Flange	Foot	Flange	Foot	Flange	Foot	Flange	Foot	Flange	Foot	Flange	Foot	Flange
1/20	18	10	180	16	77	Dwg 2.12 A	Dwg 2.14 A	Dwg 2.12 A	Dwg 2.14 A	Dwg 2.12 A	Dwg 2.14 A	Dwg 2.12 A2	Dwg 2.14 A2	Dwg 2.15 A	Dwg 2.16 A	Dwg 2.15 A	Dwg 2.16 A	Dwg 2.15 A2	Dwg 2.16 A2	Dwg 2.15 A2	Dwg 2.16 A2
		15	120	23	99																
		20	90	31	121																
		25	72	39	132																
		30	60	47	154																
		40	45	62	176																
		50	36	78	198																
		60	30	94	220																
		80	23	119	220																
		100	18	148	243																
		120	15	178	243																
		160	11	237	309																
		200	9	296	309																
		240	7.5	356	309																
	28	300	6	400	617	Dwg 2.13 A	n/a	Dwg 2.13 A	n/a	Dwg 2.13 A	n/a	Dwg 2.13 A2	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
		375	4.8	500	617																
		450	4	600	617																
		600	3	800	617																
		750	2.4	1000	617																
		900	2	1200	617																
	32	1200	1.5	1600	1146	Dwg 2.13 A	n/a	Dwg 2.13 A	n/a	Dwg 2.13 A	n/a	Dwg 2.13 A2	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
		1500	1.2	2000	1146																
		1800	1	2430	1146																

Notes:

1. Motor and brakemotor electrical data shown on Pages 10~13.
2. The gearmotor length dimension that applies is noted as A or A2 in the "Motor" and "Brakemotor" columns.
3. Brother 3 phase gearmotors are suitable for use with a VFD. See Fig 1.18, Page 15 for details.

Model Number for Ordering

H	F	18	R	010	-	B	B	LC	2	A	X
Type	Mount Form	Frame	Shaft/Bore Arrangement	Gear Ratio		UL/CSA	Motor Type	Motor Power	Supply Voltage	Terminal Box/Leads	Special Spec
H: H Series	L: Foot Mount F: Flange Mount	18 28 32	R: Right Shaft L: Left Shaft T: Double Shaft Ref: Fig 2.1	030 : 30:1 120 : 120:1 900 : 900:1 12X : 1200:1		B: UL/CSA	M: Motor B: Brakemotor WM: IP-65 Motor WB: IP-65 Brakemotor	Frame 18, 28, 32 RE: 1/20 Hp (40w)	Single Phase 1: 115V, 60Hz 5: 220V, 60Hz 6: 230V, 60Hz 7: OEM Spec (Fig 1.6, Pg 11) Three Phase 2: 208/230V, 60Hz 3: 460V, 60Hz* 8: OEM Spec (Fig 1.5, Pg 11) *No 460V for IP-65	Standard Type A: Die Cast Box (IP-44) C: Plastic Box (IP-20) N: Leads 11.8 in, IP-20 IP-65 Motor N: Cord, 6 ft IP-65 Brakemotor N: Cord, 6 ft	Blank: Standard Type X: Special Spec

CAD Drawings

Go to www.BrotherGearmotors.com and enter the desired model number in the configurator. DXF, 3D, and PDF files are available to view or download.

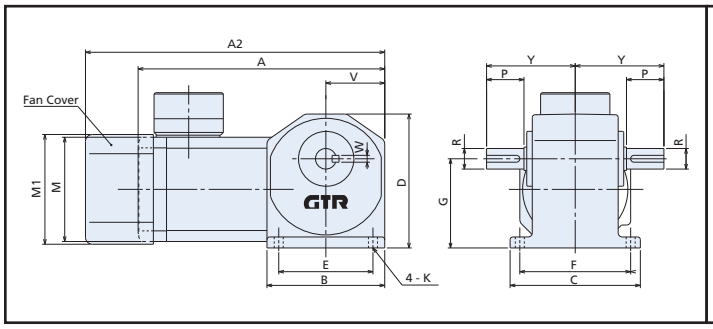
Special Specs

Notes:

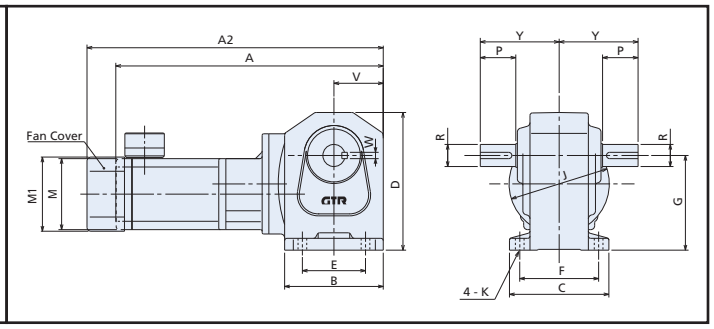
1. Lead Wire Location: specify the code from Fig 1.14 , Page 14 on your purchase order.
2. Terminal Box Location: specify the code from Fig 1.15 Page 14 on your purchase order.
3. IP-65 Cord Location Location: specify the code from Fig 1.16 , Page 14 on your purchase order.
4. Special Voltage: specify the Voltage/Frequency from Page 11, Fig 1.5.(3 phase) or Fig 1.6 (1 phase) on your purchase order.
5. For any other special OEM requirement, please consult Brother.

Frame	Drawing	A	A2	B	C	D	E	F	G	K	M	M1	V	Y	P	R	W	Wt (lb)
18	2.12	7.64	9.07	3.98	4.57	4.45	2.99	3.78	2.95	0.33	3.54	3.70	1.99	2.91	1.18	0.7500	0.1875	9
28	2.13	13.35	14.78	4.92	4.96	6.89	3.15	3.94	4.72	0.43	3.54	3.70	2.46	3.94	1.77	1.1250	0.2500	20
32	2.13	14.09	15.53	5.98	5.91	8.07	3.74	4.72	5.51	0.51	3.54	3.70	2.99	4.72	2.17	1.2500	0.2500	33

Dwg 2.12

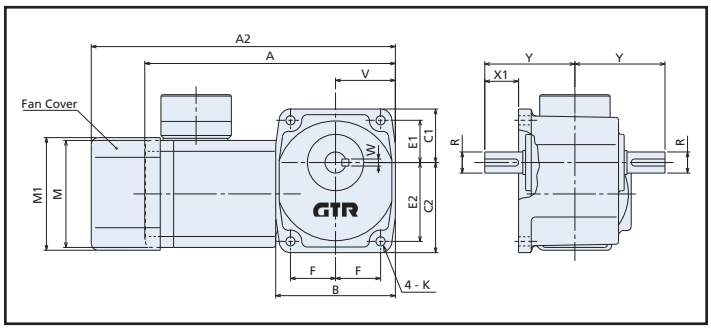


Dwg 2.13



Frame	Drawing	A	A2	B	C1	C2	E1	E2	F	K	M	M1	V	Y	X1	R	W	Wt (lb)
18	2.14	7.64	9.07	3.98	1.73	2.91	1.38	2.56	1.57	0.33	3.54	3.7	1.99	2.91	1.02	0.75	0.1875	9

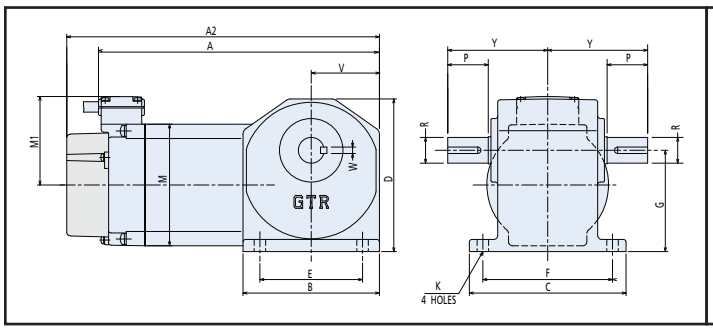
Dwg 2.14



Frame	Drawing	A	A2	B	C	D	E	F	G	K	M	M1	V	Y	P	R	W	Wt (lb)
18	2.15	8.19	9.11	3.98	4.57	4.45	2.99	3.78	2.95	0.33	3.54	2.54	1.99	2.91	1.18	0.7500	0.1875	9

Frame	Drawing	A	A2	B	C1	C2	E1	E2	F	K	M	M1	V	Y	X1	R	W	Wt (lb)
18	2.16	8.19	9.11	3.98	1.73	2.91	1.38	2.56	1.57	0.33	3.54	2.54	1.02	1.89	1.02	0.7500	0.1875	9

Dwg 2.15



Dwg 2.16

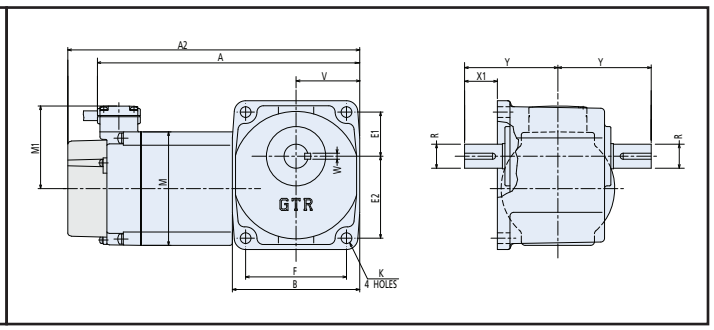
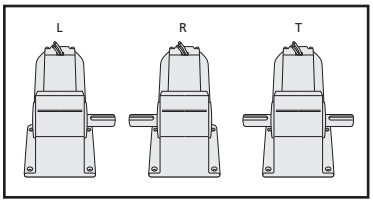
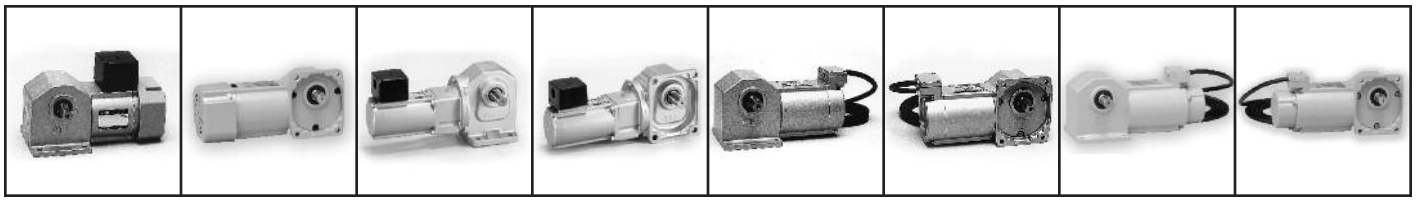


Fig. 2.1





Spec Table 2.3

Specifications						Dimensional Drawing													
						Motor				Brakemotor				Motor IP-65				Brakemotor IP-65			
						Single Phase		Three Phase		Single Phase		Three Phase		Single Phase		Three Phase		Single Phase		Three Phase	
Hp	Frame	Ratio X:1 GR	Nominal RPM n	Torque (in-lbs) TR	O.H.L. (lbs) OHL	Foot	Flange	Foot	Flange	Foot	Flange	Foot	Flange	Foot	Flange	Foot	Flange	Foot	Flange	Foot	Flange
1/15	18	10	180	25	77	Dwg 2.17 A2	Dwg 2.19 A2	Dwg 2.17 A	Dwg 2.19 A	Dwg 2.17 A2	Dwg 2.19 A2	Dwg 2.17 A2	Dwg 2.19 A2	n/a	n/a	Dwg 2.20 A	Dwg 2.21 A	n/a	n/a	Dwg 2.20 A2	Dwg 2.21 A2
		15	120	37	99																
		20	90	49	121																
		25	72	61	132																
		30	60	74	154																
		40	45	98	176																
		50	36	123	198																
		60	30	147	198																
		80	23	186	286																
		100	18	233	286																
		120	15	279	308																
		160	11	373	308																
		200	9	466	308																
		240	7.5	477	308																
	28	300	6	629	617	Dwg 2.18 A2	n/a	Dwg 2.18 A	n/a	Dwg 2.18 A2	n/a	Dwg 2.18 A2	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
		375	4.8	786	617																
		450	4	943	617																
		600	3	1258	617																
		750	2.4	1572	617																
		900	2	1887	617																
	32	1200	1.5	2515	1146	Dwg 2.18 A2	n/a	Dwg 2.18 A	n/a	Dwg 2.18 A2	n/a	Dwg 2.18 A2	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
		1500	1.2	3144	1146																
		1800	1	3732	1146																

Notes:

1. Motor and brakemotor electrical data shown on Pages 10~13.
2. The gearmotor length dimension that applies is noted as A or A2 in the "Motor" and "Brakemotor" columns.
3. Brother 3 phase gearmotors are suitable for use with a VFD. See Fig 1.18, Page 15 for details.

Model Number for Ordering

H	L	18	R	010	-	B	B	LC	2	A	X
Type	Mount Form	Frame	Shaft/Bore Arrangement	Gear Ratio		UL/CSA	Motor Type	Motor Power	Supply Voltage	Terminal Box/Leads	Special Spec
H: H Series	L: Foot Mount F: Flange Mount	18 28 32	R: Right Shaft L: Left Shaft T: Double Shaft Ref: Fig 2.1	030 : 30:1 120 : 120:1 900 : 900:1 12X : 1200:1		B: UL/CSA	M: Motor B: Brakemotor WM: IP-65 Motor WB: IP-65 Brakemotor	Frame 18, 28, 32 RF: 1/15 Hp (60w)	Single Phase 1: 115V, 60Hz 5: 220V, 60Hz 6: 230V, 60Hz 7: OEM Spec (Fig 1.6, Pg 11) Three Phase 2: 208/230V, 60Hz 3: 460V, 60Hz* 8: OEM Spec (Fig 1.5, Pg 11) *No 460V for IP-65	Standard Type A: Die Cast Box (IP-44) C: Plastic Box (IP-20) N: Leads 11.8 in, IP-20 IP-65 Motor N: Cord, 6 ft IP-65 Brakemotor N: Cord, 6 ft	Blank: Standard Type X: Special Spec

CAD Drawings

Go to www.BrotherGearmotors.com and enter the desired model number in the configurator. DXF, 3D, and PDF files are available to view or download.

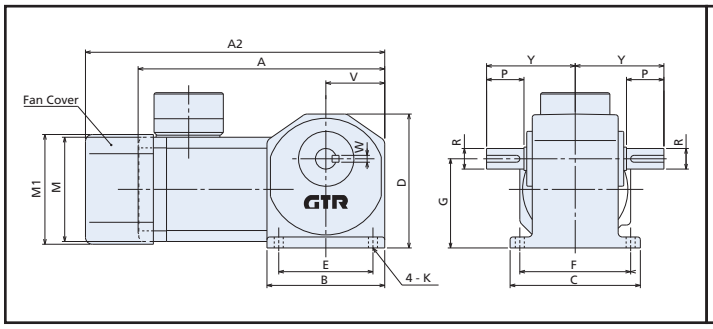
Special Specs

Notes:

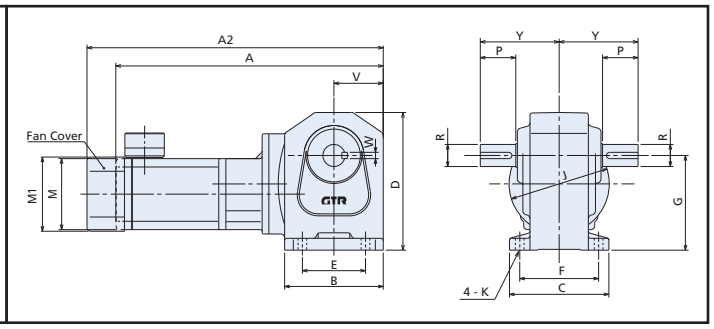
1. Lead Wire Location: specify the code from Fig 1.14 , Page 14 on your purchase order.
2. Terminal Box Location: specify the code from Fig 1.15 Page 14 on your purchase order.
3. IP-65 Cord Location Location: specify the code from Fig 1.16 , Page 14 on your purchase order.
4. Special Voltage: specify the Voltage/Frequency from Page 11, Fig 1.5.(3 phase) or Fig 1.6 (1 phase) on your purchase order.
5. For any other special OEM requirement, please consult Brother.

Frame	Drawing	A	A2	B	C	D	E	F	G	K	M	M1	V	Y	P	R	W	Wt (lb)
18	2.17	7.64	9.07	3.98	4.57	4.45	2.99	3.78	2.95	0.33	3.54	3.70	1.99	2.91	1.18	0.7500	0.1875	9
28	2.18	13.35	14.78	4.92	4.96	6.89	3.15	3.94	4.72	0.43	3.54	3.70	2.46	3.94	1.77	1.1250	0.2500	20
32	2.18	14.09	15.53	5.98	5.91	8.07	3.74	4.72	5.51	0.51	3.54	3.70	2.99	4.72	2.17	1.2500	0.2500	33

Dwg 2.17

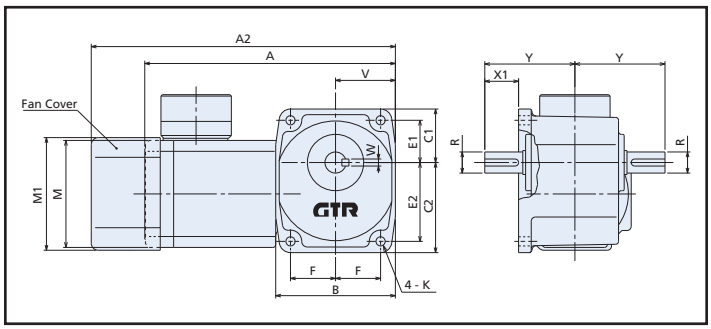


Dwg 2.18



Frame	Drawing	A	A2	B	C1	C2	E1	E2	F	K	M	M1	V	Y	X1	R	W	Wt (lb)
18	2.19	7.64	9.07	3.98	1.73	2.91	1.38	2.56	1.57	0.33	3.54	3.7	1.99	2.91	1.02	0.75	0.1875	9

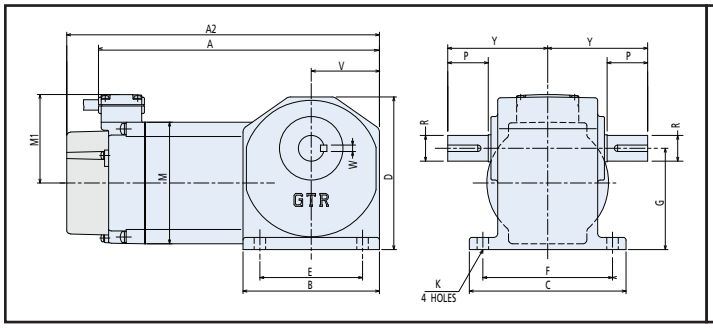
Dwg 2.19



Frame	Drawing	A	A2	B	C	D	E	F	G	K	M	M1	V	Y	P	R	W	Wt (lb)
18	2.20	8.19	9.11	3.98	4.57	4.45	2.99	3.78	2.95	0.33	3.54	2.54	1.99	2.91	1.18	0.7500	0.1875	9

Frame	Drawing	A	A2	B	C1	C2	E1	E2	F	K	M	M1	V	Y	X1	R	W	Wt (lb)
18	2.21	8.19	9.11	3.98	1.73	2.91	1.38	2.56	1.57	0.33	3.54	2.54	1.02	1.89	1.02	0.7500	0.1875	9

Dwg 2.20



Dwg 2.21

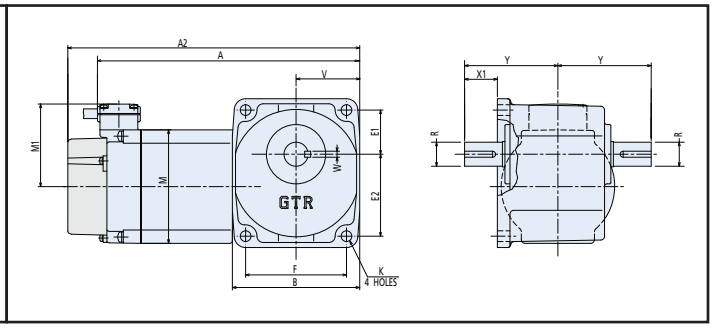
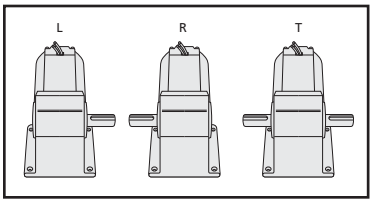
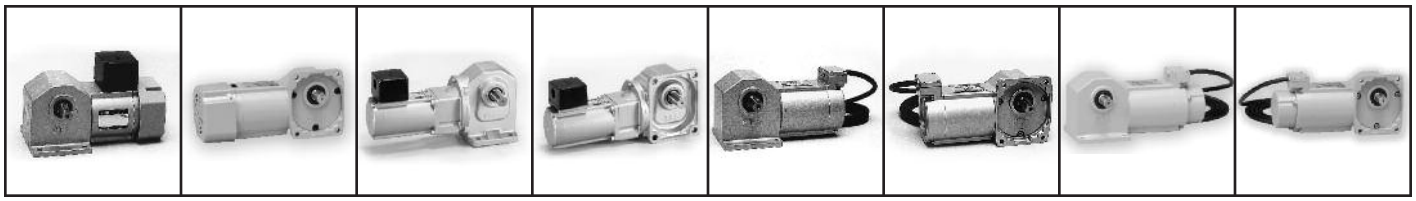


Fig. 2.1





Spec Table 2.4

Specifications						Dimensional Drawing													
						Motor				Brakemotor				Motor IP-65				Brakemotor IP-65			
						Single Phase		Three Phase		Single Phase		Three Phase		Single Phase		Three Phase		Single Phase		Three Phase	
Hp	Frame	Ratio X:1 GR	Nominal RPM n	Torque (in-lbs) TR	O.H.L. (lbs) OHL	Foot	Flange	Foot	Flange	Foot	Flange	Foot	Flange	Foot	Flange	Foot	Flange	Foot	Flange	Foot	Flange
1/10	18	10	180	37	99	Dwg 2.22 A2	Dwg 2.24 A2	Dwg 2.22 A2	Dwg 2.24 A2	Dwg 2.22 A2	Dwg 2.24 A2	Dwg 2.22 A2	Dwg 2.24 A2	n/a	n/a	Dwg 2.25 A	Dwg 2.26 A	n/a	n/a	Dwg 2.25 A2	Dwg 2.26 A2
		15	120	55	132																
		20	90	74	165																
		25	72	92	198																
		30	60	110	220																
		40	45	147	242																
		50	36	184	264																
		60	30	221	264																
		80	23	279	396																
		100	18	349	396																
		120	15	419	396																
		160	11	477	396																
		200	9	477	396																
		240	7.5	477	396																
	28	300	6	943	617	Dwg 2.23 A2	n/a	Dwg 2.23 A2	n/a	Dwg 2.23 A2	n/a	Dwg 2.23 A2	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
		375	4.8	1179	617																
		450	4	1415	617																
	32	600	3	1887	1146	Dwg 2.23 A2	n/a	Dwg 2.23 A2	n/a	Dwg 2.23 A2	n/a	Dwg 2.23 A2	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
		750	2.4	2358	1146																
		900	2	2830	1146																
	40	1200	1.5	3726	1587	Dwg 2.23 A2	n/a	Dwg 2.23 A	n/a	Dwg 2.23 A2	n/a	Dwg 2.23 A2	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
		1500	1.2	4682	1587																
		1800	1	5638	1587																

Notes:

1. Motor and brakemotor electrical data shown on Pages 10~13.
2. The gearmotor length dimension that applies is noted as A or A2 in the "Motor" and "Brakemotor" columns.
3. Brother 3 phase gearmotors are suitable for use with a VFD. See Fig 1.18, Page 15 for details.

Model Number for Ordering

H	L	18	R	010	-	B	B	LC	2	A	X
Type	Mount Form	Frame	Shaft/Bore Arrangement	Gear Ratio		UL/CSA	Motor Type	Motor Power	Supply Voltage	Terminal Box/Leads	Special Spec
H: H Series	L: Foot Mount F: Flange Mount	18 28 32 40	R: Right Shaft L: Left Shaft T: Double Shaft Ref: Fig 2.1	030 : 30:1 120 : 120:1 900 : 900:1 12X : 1200:1		B: UL/CSA	M: Motor B: Brakemotor WM: IP-65 Motor WB: IP-65 Brakemotor	Frame 18, 28, 32 RG: 1/10 Hp (90w) Frame 40 YG: 1/10 Hp (90w)	Single Phase 1: 115V, 60Hz 5: 220V, 60Hz 6: 230V, 60Hz 7: OEM Spec (Fig 1.6, Pg 11) Three Phase 2: 208/230V, 60Hz 3: 460V, 60Hz* 8: OEM Spec (Fig 1.5, Pg 11) *No 460V for IP-65	Standard Type A: Die Cast Box (IP-44) C: Plastic Box (IP-20) N: Leads 11.8 in, IP-20 IP-65 Motor N: Cord, 6 ft IP-65 Brakemotor N: Cord, 6 ft	Blank: Standard Type X: Special Spec

CAD Drawings

Go to www.BrotherGearmotors.com and enter the desired model number in the configurator. DXF, 3D, and PDF files are available to view or download.

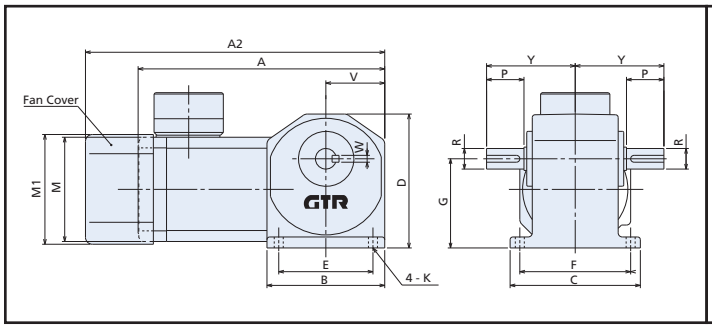
Special Specs

Notes:

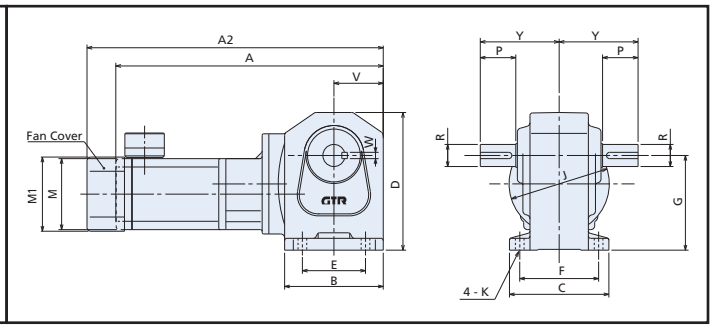
1. Lead Wire Location: specify the code from Fig 1.14 , Page 14 on your purchase order.
2. Terminal Box Location: specify the code from Fig 1.15 Page 14 on your purchase order.
3. IP-65 Cord Location Location: specify the code from Fig 1.16 , Page 14 on your purchase order.
4. Special Voltage: specify the Voltage/Frequency from Page 11, Fig 1.5.(3 phase) or Fig 1.6 (1 phase) on your purchase order.
5. For any other special OEM requirement, please consult Brother.

Frame	Drawing	A	A2	B	C	D	E	F	G	K	M	M1	V	Y	P	R	W	Wt (lb)
18	2.22	7.64	9.07	3.98	4.57	4.45	2.99	3.78	2.95	0.33	3.54	3.70	1.99	2.91	1.18	0.7500	0.1875	9
28	2.23	13.35	14.78	4.92	4.96	6.89	3.15	3.94	4.72	0.43	3.54	3.70	2.46	3.94	1.77	1.1250	0.2500	20
32	2.23	14.09	15.53	5.98	5.91	8.07	3.74	4.72	5.51	0.51	3.54	3.70	2.99	4.72	2.17	1.2500	0.2500	33
40	2.23	15.75	17.20	7.09	7.09	9.57	4.72	5.51	6.50	0.59	4.17	4.33	3.54	5.51	2.56	1.6250	0.3750	48.5

Dwg 2.22

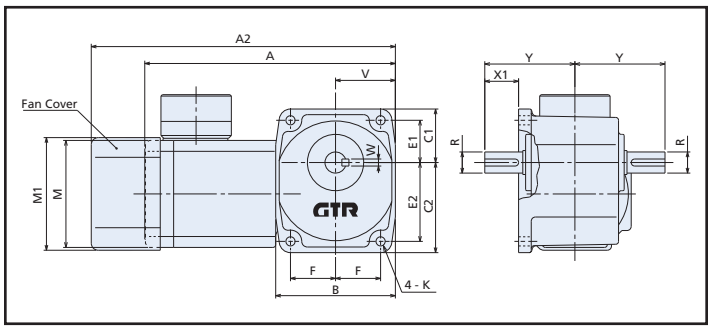


Dwg 2.23



Frame	Drawing	A	A2	B	C1	C2	E1	E2	F	K	M	M1	V	Y	X1	R	W	Wt (lb)
18	2.24	7.64	9.07	3.98	1.73	2.91	1.38	2.56	1.57	0.33	3.54	3.7	1.99	2.91	1.02	0.75	0.1875	9

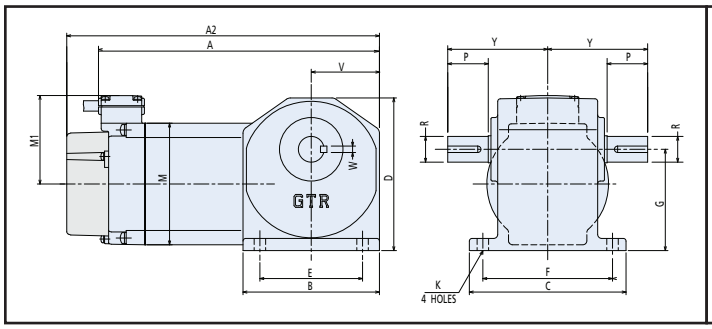
Dwg 2.24



Frame	Drawing	A	A2	B	C	D	E	F	G	K	M	M1	V	Y	P	R	W	Wt (lb)
18	2.25	8.19	9.11	3.98	4.57	4.45	2.99	3.78	2.95	0.33	3.54	2.54	1.99	2.91	1.18	0.7500	0.1875	9

Frame	Drawing	A	A2	B	C1	C2	E1	E2	F	K	M	M1	V	Y	X1	R	W	Wt (lb)
18	2.26	8.19	9.11	3.98	1.73	2.91	1.38	2.56	1.57	0.33	3.54	2.54	1.02	1.89	1.02	0.7500	0.1875	9

Dwg 2.25



Dwg 2.26

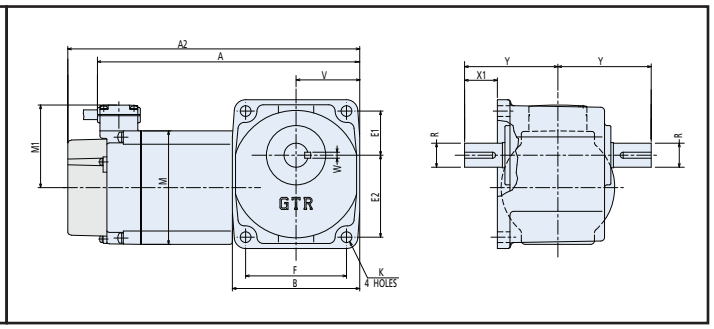


Fig. 2.1