



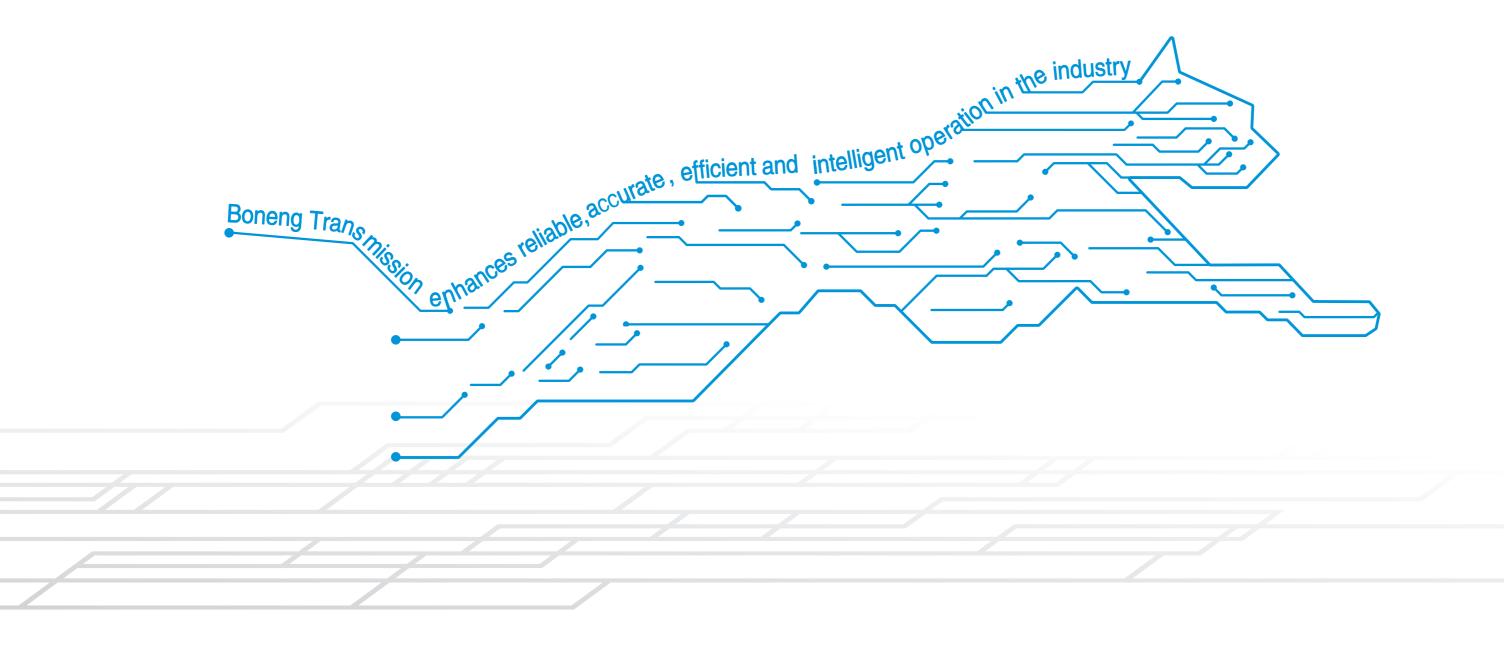


**C Helical Gearmotor** 

Modified date 01/2023 Selection Sample C05.0009-EN

**Boneng Transmission** 

www.motiontech.com.au



Controller/ Drive/ Motor/ Gearmotor/ Gearbox

### Note:

- The structure scheme, appearance diagram and other attached diagrams in sample are examples, there is no strict proportion requirement. (The unmarked dimension units are mm).
- The marked weight is average value, it has no constraint force.

# **A You must conform to the following instructions:**

- To prevent accidents, all the rotation parts are added with protective covers according to the safety regulations of the nation and region.
- Before debugging, you should carefully read instruction book.
- Gearbox is on running-permission status when delivered, you should add lubrication oil before putting it into running.
- The marked oil quantity in sample is only reference value, actual oil filling quantity should be the same with the mark on oil immersion lens.
- Lubrication oil viscosity should be selected according to working situation and application environment temperature of gearmotor.
- ◆ You can only apply lubrication oil of internationly famous brand.

# Contents

01.Type Designation	- 01
02.Mounting Positions	- 03
03.Type Selection and Example	- 05
04.Transmission Capacity	- 07
05.Permissible Radial Force	<sup>-</sup> 15
06.Dimensions	<sup>-</sup> 17
07.Input Flange and Input shaft	- 43
08.Combi-type Dimensions	- 48
09.Accessories and Specific Configuration	- 49
10.Oil	- 50
11.Motor Rainproof Cover Dimensions	- 51
12.Shaft End Centre Hole	- 52
13.Dimension of Parallel Key and Keyway	- 53



0 1 -

A – C32 – D1

С З

08

Н

# **1** Type Designation

### Series-

Stages \_\_\_\_\_ 2-stage/ 3-stage

#### Size –

#### Mounting Mode -

H=Horizontal foot-mounted F=Flange-mounted S=Short flange-mounted

#### **Output Mode**

A=Unidirectional output shaft

#### **Nominal Ratio Code**

#### **Mounting Positions**

D1/D2/D3/D4/D5/D6

#### Accessories and Specific Configuration

0=None 6=Oil compensating tank

#### Oil Code-

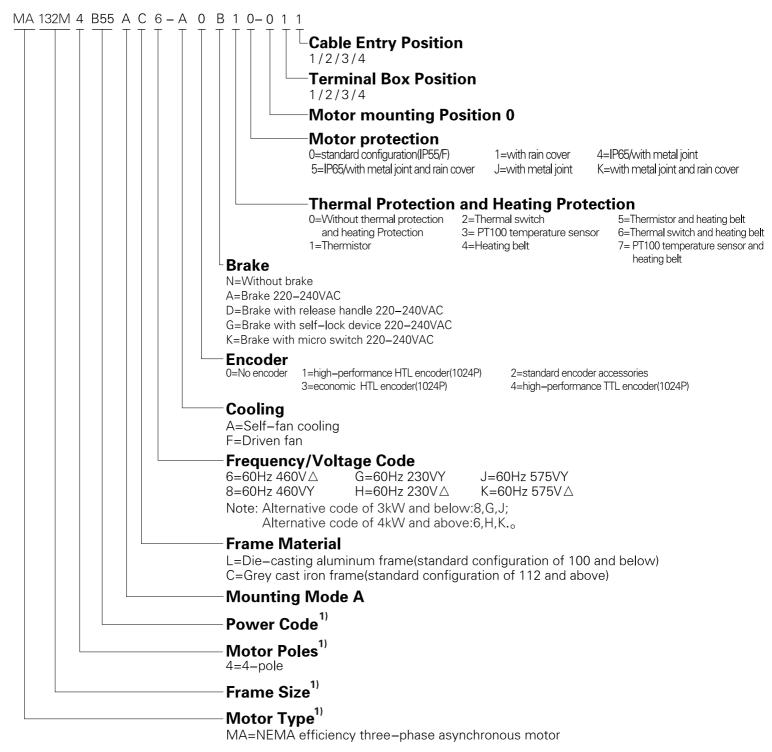
0=Without oil filling(Please select this option when you do not need lubricating oil );

1=With mineral oil VG220(Please select this option when the ambient temperature is  $-20^{\circ}C^{+}+40^{\circ}C_{+}$  and you need lubricating oil ); 5=With synthetic lubricating oil VG220(It is recommended to select this option when you need lubricating oil and the

ambient temperature is below 0°C);

Power kW	4-pole Type						
0.12	MA063M4A12	1.1	MA090M4B11	11	MA160M4C11	55	MA250M4C55
0.18	MA063M4A18	1.5	MA090M4B15	15	MA160L4C15	75	MA280S4C75
0.25	MA071M4A25	2.2	MA100M4B22	18.5	MA180M4C18	90	MA280M4C90
0.37	MA071M4A37	3	MA100M4B30	22	MA180L4C22		
0.55	MA080M4A55	4	MA112L4B40	30	MA200M4C30		
0.75	MA080M4A75	5.5	MA132L4B55	37	MA225M4C37		
		7.5	MA132L4B75	45	MA225M4C45		

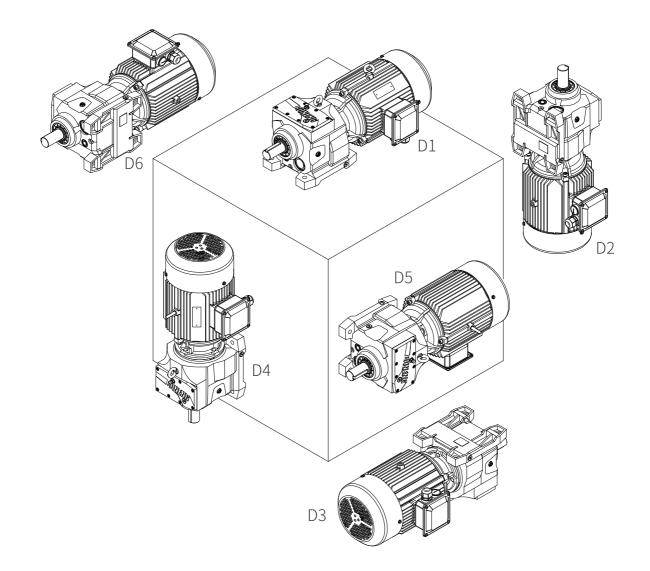
# Note<sup>1)</sup> Motor Type/Frame Size/Poles/Power Code



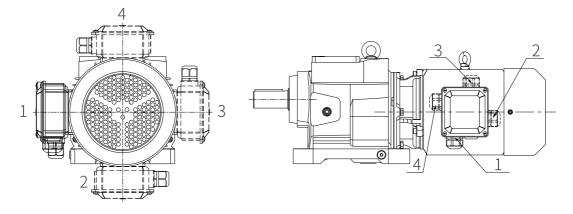
- **Example of product type with input flange or input shaft:** C308HA–C32–D101–AE300
- Example of product type with input flange and motor type: C308HA-C32-D101-AP132-MA132M4B55FC6-A0N10-011
- ◆ Combi-type Designation: C308HA/C205-D28-D100-MA080M4A75AL6-A0N00-011



# 2 Mounting Positions







Motor terminal box and cable entry position ( View :Motor afterbody )

Assembly colour of gearmotor \_\_\_\_ (RAL5015)



# **3 Type Selection and Example**

Step	Description	Symbol	Param	eters Calculat	ion and Guide	eline					
			Load Characteristic	Operat	ing hours per c	day (h)					
			Load Characteristic	≤2	2~10	10~24					
		f <sub>1</sub>	Uniform	1.00(1.00)	1.00(1.25)	1.25(1.50)					
1	Driven Machine Factor		Moderate	1.00(1.25)	1.25(1.50)	1.50(1.75)					
			Heavy	1.25(1.50)	1.50(1.75)	1.75(2.00)					
				alues in the bra imes or more.	ckets when sta	arts per hour					
2	Input Speed	n1	≤1800rpm Co	nsult us if highe	er speed requir	ed.					
3	Calculation of the Ratio	i	i=n1/n2								
4	Transmission Efficienc	η	C2 2-stage:	96% C33-	-stage: 94%						
5	Calculation of the input power of the gearunit on basis of the torque and power required by the driven machine.	P1	P1=T2 • n1/(95	50•i• η) or P	P1=P2/η						
6	Determination of gearunit type referring to the table of transmission capacity after calculation,For directly–connected motor, require to refer to directly–connected motor power table.	Т2N Р1N	T <sub>2N</sub> ≥T₂ • f1 or	$P_{1N} \ge P_1 \cdot f_1$							
7	Check the radial and axial forces on the shafts.	Fr1/Fr2 Fa1/Fa2	See the table o	of Radial Force	on Output Shaf	t (Fr2) on P15					
8	Determination of Lubrication system	/	Generally Spla	sh Lubrication							
9	Determination of Cooling Syste	/	Generally Air (	Cooling							
10	Determination of every item included in the Type Designation	/	For details abo	out Type Desig	nation, see P01	1					
11	Normal ambient conditions	/		perature –20 t on,altitude not t dust.							
12	Special ambient conditions	/	reaction (acid	ower temperati s,alkaline, etc), please consult (	or open field						

 $n_{2\, :}\,$  The output speed required by the driven machine.

 $T_{2\pm}\,$  The output torque required by the driven machine.

P2: The output power required by the driven machine.

 $T_{2N\,:}\,$  The rated output torque of gearmotor.  $P_{1N\,:}\,$  The rated input power of gearmotor.



## Example

### Known Criteria:

- Load characteristics by the driven machine. Moderate, working 6 hours/d and starting 5 times/h;
- 2、Normal motor: 4-pole 460V 60Hz, speed n1=1740r/min;
- 3、The power required P<sub>2</sub>=1.6kW, speed n<sub>2</sub>=32.3 r/min;
- 4、 Mounting mode: flange-mounted, mounting position D1, motor terminal box 1, cable entry position 1.

### Selection steps:

- 1. By referring to the table of Load Characteristic, we get the driven machine factor  $f_1=1.25$ ;
- 2 Calculation of the Ratio in: i=n1/ n2=1740/32.3=53.9, nominal ratio in=56;
- 3、 Calculation of the input power and determination of the motor power (transmission efficiency η =94%):
   P<sub>1</sub>≥P<sub>2</sub>/η=1.6/0.94=1.7kW, so 2.2kW motor is selected.
   Refer to the directly-connected motor power table, it can be directly-connected;
- 4. Determination of the nominal power of the geared motor  $P_{1N}$ :  $P_{1N} \ge P_2 \cdot f_1 / \eta = 1.6 \times 1.25 / 0.94 = 2.13 \text{kW};$
- 5、The type selected: C307FA-C56-D100-MA100M4B22AL8-A0N00-011



# **4 Transmission Capacity** 4.1 F Transmission capacity

C...(iN=3.15-280)

0(114-0	3.15-280)	/	1					1	D I			
Nominal	Nominal	Nominal	Nominal	Rated	Exact	Rated	Rated	Exact	Rated	Rated	Exact	Rated
Input Speed	Output Speed	Ratio Code	Ratio	Output	Ratio	Intput	Output	Ratio	Intput	Output Torque	Ratio	Intput
	Speed			Torque		Power	Torque		Power			Power
n <sub>1</sub>	$n_{2N}$	Code	i	$T_{2N}$	ior	$P_{1N}$	$T_{2N}$	ior	$P_{1N}$	$T_{2N}$	ior	$P_{1N}$
(r/min)	(r/min)	Code	$1_{\rm N}$	(N. m)	lex	(kW)	(N. m)	lex	(kW)	(N. m)	lex	(kW)
					C200			C201			C203	
					C300			C301			C303	
	552	B32	3.15	35	3.13	2.04						
	490	B32 B36	3. 55	35	3.43	1.86	50	3.37	2.71			
										120	4.04	E O
	435	B40	4	35	3.93	1.62	50	3.87	2.36	130	4.04	5.9
	387	B45	4.5	40	4.68	1.56	50	4.40	2.07	140	4.56	5.6
	348	B50	5	40	4.90	1.49	50	4.78	1.91	150	5.07	5.4
	311	B56	5.6	40	5.53	1.32	60	5.76	1.90	160	5.81	5.0
	276	B63	6.3	40	6.26	1.16	60	6.44	1.70	170	6.32	4.90
	245	B71	7.1	40	6.86	1.06	60	6.84	1.60	190	7.10	4.88
	218	B80	8	50	7.86	1.16	65	7.75	1.53	190	8.02	4.32
	193	B90	9	50	9.36	0.97	70	9.15	1.39	190	8.90	3.89
	174	C10	10	50	9.80	0.93	80	10.2	1.44	200	10.2	3.57
	155	C11	11.2	55	11.1	0.91	80	11.4	1.28	200	11.2	3.25
	139	C13	12.5	55	12.2	0.82	80	12.1	1.21	200	12.6	2.88
	124	C14	14	55	14.3	0.70	90	14.4	1.14	200	13.5	2.70
	108.8	C16	16	55	15.6	0.64	90	16.5	0.99	200	15.3	2.38
	96.7	C18	18	55	17.8	0.56	90	18.8	0.87	200	17.3	2.11
	87.0	C20	20	55	20.2	0.50	90	20.4	0.80	200	19.7	1.85
	77.7	C22	22.4	55	22.2	0.45	90	22.2	0.74	200	22.2	1.64
	69.6	C25	25	50	25.0	0.36	95	24.6	0.70	200	25.2	1.45
1740	62.1	C28	28	50	28.6	0.32	95	27.5	0.63	200	26.9	1.36
1740	55.2	C32	31.5	50	31.1	0.29	95	32.3	0.54	200	30.3	1.20
	49.0	C36	35.5	50	35.4	0.26	85	35.4	0.44	200	34.5	1.06
	43.5	C40	40	50	40.6	0.22	85	38.4	0.40	200	39.1	0.93
	38.7	C45	45	50	45.9	0.20	85	46.3	0.33	200	44.2	0.82
	34.8	C50	50	50	50.5	0.18	85	51.8	0.30	200	47.6	0.77
	31.1	C56	56	50	55.8	0.16	85	55.0	0.28	200	55.7	0.65
	27.6	C63	63	50	63.5	0.14	85	60.8	0.25	200	63.2	0.58
	24.5	C71	71	50	68.7	0.13	85	71.3	0.22	200	69.6	0.52
	21.8	C80	80				85	81.0	0.19	200	76.1	0.48
	19.3	C90	90				85	87.4	0.18	200	83.2	0.44
	17.4	D10	100									
	15.5	D11	112									
	13.9	D13	125									
	12.4	D10	140									
	10.9	D11	160									
	9.7	D10	180									
	8.70	D10	200									
	7.77	D20	200									
	6.96	D25	250									
	6.21	D23	280									
	0.21	D20	200									

Note:(1) Above the red line are two-stage transmission gearmotor models,model name C2...; Below the red line are three-stage transmission gearmotor models,model name C3...; (2) Actual output speed of the gearmotor: Actual input speed (n1)/Exact ration (iex); (3) Rated input power corresponding to actual input speed of the gearmotor: P1N=T2N\*n1/ (9550\*iex),the rated output torque T2N in the formula remains unchanged.



Rated Output Torque	Exact Ratio	Rated Intput Power	Rated Output Torque	Exact Ratio	Rated Intput Power	Rated Output Torque	Exact Ratio	Rated Intput Power	Rated Output Torque	Exact Ratio	Rated Intput Power
T <sub>2N</sub> (N. m)	iex	$\underset{(kW)}{P_{1N}}$	T <sub>2N</sub> (N. m)	iex	P <sub>1N</sub> (kW)	T <sub>2N</sub> (N. m)	iex	$\underset{(kW)}{P_{1N}}$	T <sub>2N</sub> (N. m)	iex	$\underset{(kW)}{P_{1N}}$
	C204 C304			C205 C305			C206 C306			C207 C307	
180	4.16	7.9							700	3.89	32.8
180	4.67	7.0	360	4.47	14.7	420	4.54	16.9	700	4. 43	28.8
200	5.27	6.9	360	5.13	12.8	420	5.20	14.7	700	4.92	25.9
220	5.85	6.9	380	5.83	11.9	430	5.55	14.1	700	5.64	22.6
220	6.70	6.0	380	6.52	10.6	430	6.40	12.2	700	6.34	20.1
220	7.37	5.4	380	7.25	9.5	480	7.33	11.9	700	7.14	17.9
235	8.20	5.2	380	7.98	8.7	480	7.82	11.2	700	8.13	15.7
250 250	9. 21 10. 4	4.95 4.38	390 390	9.06 9.66	7.8	480	8.59 9.85	10.2 8.9	700	9.01 10.3	14.2 12.3
250	10.4	4. 38	430	9.00	7.4	480	9. 85	8.3	750	10. 5	12. 3
270	13.2	3.72	430	12.0	6.5	520	12.5	7.6	800	12.6	11.5
270	14.5	3.38	430	15.0	5.2	520	13.9	6.8	800	14.5	10.1
300	16.4	3.34	430	16.4	4.77	550	15.3	6.5	800	15.4	9.4
300	17.5	3.12	430	18.7	4.19	550	17.4	5.8	800	17.7	8.2
300	19.3	2.83	430	19.9	3.95	550	19.0	5.3	900	20.7	7.9
300	21.8	2.51	470	22.4	3.82	600	21.6	5.1	900	23.2	7.1
300	24.9	2.20	470	25.2	3.40	650	24.3	4.87	900	26.5	6.2
<u>300</u> 300	28.1 31.8	1.94 1.72	470 470	28.4 31.5	3.01 2.72	650 650	27.3 30.8	4.34 3.84	<u>900</u> 900	28.3 32.4	5.8 5.1
300	34.3	1.60	480	36.1	2.42	650	34.2	3. 46	900	32.4 36.9	4.45
300	38.2	1. 43	480	39.7	2. 20	650	39.2	3. 02	900	38.0	4. 31
300	43.0	1.27	480	47.1	1.86	650	43.0	2.75	900	43.6	3.76
300	49.0	1.11	480	52.3	1.67	650	48.3	2.45	900	49.5	3.31
300	55.4	0.99	480	59.9	1.46	650	54.6	2.17	900	55.4	2.96
300	62.8	0.87	480	65.8	1.33	650	60.6	1.96	900	61.7	2.66
300	67.6	0.81	480	74.2	1.18	650	69.4	1.71	900	67.8	2.42
300	79.1	0.69	480	79.3	1.10	650	76.3	1.55	900	77.0	2.13
300 300	89.7	0.61	480	92.2	0.95	650	86.0	1.38	900	95.8	1.71
300	98.9 108.1	0.55 0.51	480 480	103.7 113.3	0.84	650 650	91.9 106.8	1.29 1.11	<u> </u>	101.8 117.7	1.61 1.39
300	118.2	0.31	480	113.3	0.70	650	120. 2	0.99	900	117.7	1.33
	11012	0,10	480	135.0	0.65	650	131.2	0.99	900	140.0	1.17
						650	144.0	0.82	900	148.9	1.10
									900	168.2	0.97



# C Transmission capacity

C...(iN=3.15-280)

C(IN=3.15	Nominal			Rated		Rated	Rated		Rated	Rated		Rated
Nominal	Output	Nominal	Nominal	Output	Exact	Intput	Output	Exact	Intput	Output	Exact	Intput
Input Speed	Speed	Ratio Code	Ratio	Torque	Ratio	Power	Torque	Ratio	Power	Torque	Ratio	Power
$n_{1}$ (r/min)	$\underset{(r/min)}{n_{2N}}$	Code	$i_{\scriptscriptstyle N}$	T <sub>2N</sub> (N. m)	iex	$\underset{(kW)}{P_{1N}}$	$\underset{(\text{N. m})}{T_{2\text{N}}}$	iex	$\underset{(kW)}{P_{1N}}$	T <sub>2N</sub> (N. m)	iex	$\underset{(kW)}{P_{1N}}$
					C208			C209			C210	
					C308			C309			C310	
	552	B32	3.15									
	490	B36	3.55									
	435	B40	4				1900	3.99	87	3300	3.87	155
	387	B45	4.5	1300	4.50	53	1900	4.37	79	3300	4.33	139
	348	B50	5	1300	5.11	46.3	1900	5.16	67	3300	5.11	118
	311	B56	5.6	1300	5.47	43.3	1900	5.78	60	3300	5.54	109
	276	B63	6.3	1300	6.46	36.7	1900	6.18	56	3800	6.47	107
	245	B71	7.1	1300	7.27	32.6	2200	7.06	57	4100	7.17	104
	218	B80	8	1300	7.97	29.7	2200	7.85	51	4300	7.60	103
	193	B90	9	1300	9.20	25.7	2200	8.91	45.0	4300	8.64	91
	174	C10	10	1300	10.4	22.8	2200	10.1	39.5	4300	9.67	81
	155	C11	11.2	1300	11.3	20.9	2300	11.4	36.9	4300	10.7	73
	139	C13	12.5	1300	12.7	18.6	2300	12.1	34.5	4300	12.5	63
	124	C14	14	1300	13.9	17.0	2500	13.9	32.8	4400	13.8	58
	108.8	C16	16	1500	16.1	17.0	2500	15.4	29.5	4400	14.6	55
	96.7	C18	18	1500	17.2	15.9	2650	17.5	27.6	4400	16.6	48.2
	87.0	C20	20	1500	20.0	13.7	2650	19.6	24.6	4400	18.6	43.0
	77.7	C22	22.4	1500	22.1	12.4	2850	22.4	23.2	4500	20.7	39.6
	69.6	C25	25	1700	25.4	12.2	2850	23.9	21.8	4500	24.3	33.7
1740	62.1	C28	28	1800	28.6	11.5	3000	27.9	19.6	4500	26.6	30.8
	55.2	C32	31.5	1800	31.7	10.3	3200	32.3	18.1	4500	31.5	26.1
	49.0	C36	35.5	1800	36.4	9.0	3200	35.2	16.6	4500	35.2	23.3
	43.5	C40	40	1800	41.0	8.0	3200	39.6	14.7	4500	37.6	21.8
	38.7	C45	45	1800	44.0	7.4	3200	43.4	13.4	4500	43.1	19.0
	34.8	C50	50	1800	50.1	6.5	3200	50.1	11.6	4500	47.9	17.1
	31.1	C56	56	1800	55.6	5.9	3200	53.5	10.9	4500	54.3	15.1
	27.6	C63	63	1800	63.8	5.1	3200	63.4	9.2	4500	67.9	12.1
	24.5	C71	71	1800	71.7	4.57	3200	69.1	8.4	4500	72.5	11.3
	21.8	C80	80	1800	80.2	4.09	3200	77.8	7.5	4500	82.9	9.9
	19.3	C90	90	1800	89.3	3.67	3200	85.2	6.8	4500	92.2	8.9
	17.4	D10	100	1800	97.8	3.35	3200	98.5	5.9	4500	104.5	7.8
	15.5	D11	112	1800	106.4	3.08	3200	105.0	5.6	4500	117.2	7.0
	13.9	D13 D14	125	1800	119.6	2.74	3200	121.3 137.9	4.81	4500 4500	133.8	6.1 5.8
	12.4		140	1800	131.0 153.8	2.50	3200		4.23	4500	142.6 163.8	
	10.9	D16 D18	160	1800 1800	153.8	2.13	3200	153.2	3.81			5.0
	9.7	D18 D20	180 200		170.9	1.92	3200 3200	172.3 189.6	3.38	4500 4500	184.3	4.45
	8.70 7.77	D20 D22	200	1800	100.0	1.74	3200	207.1	3.08 2.81	4500	203.5 228.9	4.03 3.58
	6.96	D22 D25	250				3200	239.9	2.81	4000	220.9	0.00
	6.21	D25 D28	280				3200	239.9	2.43			
	0.21	020	200				3200	204.0	2.20			

Note:(1) Above the red line are two-stage transmission gearmotor models,model name C2...; Below the red line are three-stage transmission gearmotor models,model name C3...; (2) Actual output speed of the gearmotor: Actual input speed (n1)/Exact ration (iex); (3) Rated input power corresponding to actual input speed of the gearmotor: P1N=T2N\*n1/ (9550\*iex),the rated output torque T2N in the formula remains unchanged.

Rated Output Torque	Exact Ratio	Rated Intput Power	Rated Output Torque	Exact Ratio	Rated Intput Power	Rated Output Torque	Exact Ratio	Rated Intput Power	Rated Output Torque	Exact Ratio	Rated Intput Power
T <sub>2N</sub> (N. m)	iex	$\underset{(kW)}{P_{1N}}$	T <sub>2N</sub> (N. m)	iex	$\underset{(kW)}{P_{1N}}$	T <sub>2N</sub> (N. m)	iex	P <sub>1N</sub> (kW)	T <sub>2N</sub> (N. m)	iex	$\underset{(kW)}{P_{1N}}$
	C212 C312			C213 C313			C214 C314			C216 C316	
			5000	4.07	224	10000	4.00	456			
4300	4.37	179	5000	4.74	192	10000	4.47	408	16000	4.42	659
4300	4.89	160	5300	5.26	183	10000	4.97	366	16000	4.99	584
4300	5.77	136	5300	5.87	165	10000	5.60	325	16000	5.76	506
4600	6.26	134	5600	6.48	157	10000	6.45	282	16000	6.57	443
5100 5600	7.31 8.10	127 126	6000 8000	7.03 8.08	155 180	10000 13000	7.12 7.89	256 300	16000 17000	7.04 7.61	414 407
5800	8.10 8.59	126	8000	8.08 9.15	180	13000	7.89 8.74	271	17000	8.80	407 352
5800	9.8	108	8000	10.5	138	13000	9.77	242	17000	10.1	306
5800	10.8	98	8000	11.7	124	13000	10.9	218	17000	11.6	268
5800	12.6	84	8000	13.0	112	13000	12.2	193	17000	12.4	250
5800	14.0	76	8000	14.1	104	13000	14.1	168	17000	13.4	232
5800	16.9	63	8000	16.2	90	13000	15.6	152	18000	15.5	212
5800	18.9	56	8000	18.3	80	13000	17.3	137	18000	17.3	190
5800	19.1	55	8000	20.4	71	13000	19.2	123	18000	19.5	168
5800	20.9	51	8000	22.6	65	13000	21.8	109	18000	21.5	152
6000 6300	24.7 27.7	44.3 41.5	8000 8000	25.1 29.4	58 49.7	13000 13000	24. 2 29. 5	98 80	18000 18000	24.2 27.2	135 120
6300	30.1	38.2	8200	32.5	45.9	14000	32.7	78	18000	30.3	120
6300	35.5	32.3	8200	35.1	42.5	14000	36.5	70	18000	34.2	96
6300	39.8	28.8	8200	39.3	38.0	14000	40.3	63	18000	39.4	83
6300	42.5	27.0	8200	46.4	32.2	14000	43.7	58	18000	43.4	76
6300	48.6	23.6	8200	50.3	29.7	14000	50.3	51	18000	48.1	68
6300	54.1	21.2	8200	58.7	25.4	14000	55.3	46.1	18000	53.5	61
6300	61.3	18.7	8200	65.1	23.0	14000	64.5	39.6	18000	60.8	54
6300	73.5	15.6	8000	69.0	21.1	14000	71.6	35.6	18000	69.2	47.4
6300	84.0	13.7	8000	78.5	18.6	14000	79.8	32.0	18000	76.3	43.0
6300 6300	93. 4 105. 9	12.3 10.8	8000 8000	87.8 97.5	16.6 15.0	13500 13500	88.1 95.6	27.9 25.7	18000 18000	84.5 94.1	$\frac{38.8}{34.9}$
6300	118.7	9.7	8200	114.1	13.1	13500	109.9	23.4	18000	106.7	30.7
6300	135.5	8.5	8200	122.7	12.2	13500	124.5	19.8	18000	118.6	27.7
6300	144.4	7.9	8200	137.9	10.8	13500	138.6	17.7	18000	134.7	24.4
6300	166.0	6.9	8200	158.7	9.4	13500	153.4	16.0	18000	154.6	21.2
6300	186.7	6.1	8200	176.6	8.5	13500	179.1	13.7	18000	174.8	18.8
6300	206. 3	5.6	8200	207.7	7.2	13500	190. 0	12.9	18000	191.9	17.1
6300	231.9	4.95	8200	225.4	6.6	14000	215.5	11.8	18000	212.0	16.0
6300	252.4	4.55				14000	245.9	10.7			
6300	274.2	4.19									



# 4.2 C.../C... Combi-type transmission capacity C.../C... ( iN=100-18000 )

Nominal Input Speed	Nominal Output Speed	Nominal Ratio Code	Nominal Ratio	Rated Output Torque	Exact Ratio	Rated Intput Power	Rated Output Torque	Exact Ratio	Rated Intput Power
n <sub>iN</sub> (r/min)	n <sub>2N</sub> (r/min)	Code	$i_{ m N}$	$\begin{array}{c} T_{2N} \\ (N \bullet m) \end{array}$	iex	P <sub>1N</sub> (kW)	$\begin{array}{c} T_{2N} \\ (N \bullet m) \end{array}$	iex	P <sub>1N</sub> (kW)
	17 40	D10	100	200	C203/C201	0.97	970	C204/C203	0.40
	<u>17.40</u> 15.54	D10 D11	<u>100</u> 112	200 200	97.7 115.3	0.37	270 270	105.9 117.5	0.46
	13.92	D11 D13	112	200	113.5	0.32	270	134.6	0.42 0.37
	12.43	D10	140	200	143.6	0.25	270	147.8	0.33
	10.88	D16	160	200	152.5	0.24	270	166.3	0.30
					C203/C301				
	9.67	D18	180	200	181.4	0.20	270	178.2 C204/C303	0.28
1	8.70	D20	200	200	207.9	0.18	270	202.0	0.24
1 1	7.77	D20	224	200	236.9	0.15	270	228.4	0.21
		000		200	C303/C201	0.10	2.0	C304/C203	
	6.96	D25	250	200	236.0	0.15	300	243.5	0.22
	6.21	D28	280	200	267.4	0.14	300	275.1	0.20
	5.52	D32	315	200	315.7		300	305.3	0.18
	4.90	D36	355	200	351.9		300	349.9	0.16
	4.35	D40	400	200	393.3		300	384.2	0.14
	3.87	D45	450	200	417.5		300	432.2	0.13
					C303/C301				
	3.48	D50	500	200	496.8		300	463.1	
	0 1 1	DEC	500	000	500 0		200	C304/C303	
	<u>3.11</u> 2.76	D56	560	200	569.3		300	524.8	
1 -	2.45	D63 D71	630 710	200 200	648.6		300 300	593.4 675.7	
	2.43	D71 D80	800	200	703.8 765.9		300	675.7 761.5	
1	1. 93	D90	900	200	848.7		300	864.4	
1740	1.74	E10	1000	200	948.8		300	922.7	
1110	1.55	E11	1120	200	1114		300	1039	
	1.39	E13	1250	200	1221		300	1183	
	1.24	E14	1400	200	1325		300	1341	
	1.09	E16	1600	200	1597		300	1516	
	0.97	E18	1800	200	1787		300	1633	
	0.87	E20	2000	200	1898		300	1911	
	0.78	E22	2240	200	3843		300	2168	
	0.70	E25	2500	200	2427		300	2455	
	0.62	E28	2800	200	2926		300	2776	
	0.55	E32	3150	200	3274		300	2989	
	0.49	E36	3550	200	3476		<u>300</u> 300	3498 3969	
+	0.44	E40 E45	4000 4500	200 200	3843 4506		300	4371	
Ⅰ	0.39	E45 E50	4500 5000	200	4506 5119		300	4371 4779	
	0.31	E56	5600	200	5524		300	5225	
	0.28	E63	6300	200	3021		300	6243	
l l	0.25	E71	7100				300	6826	
	0.22	E80	8000		1 1		300	7463	
[	0.19	E90	9000						
	0.17	F10	10000						
[	0.16	F11	11200						
	0.14	F13	12500						
	0.12	F14	14000						
	0.11	F16	16000						
	0.10	F18	18000						

Rated Output Torque	Exact Ratio	Rated Intput Power	Rated Output Torque	Exact Ratio	Rated Intput Power	Rated Output Torque	Exact Ratio	Rated Intput Power
T <sub>2N</sub> (N • m)	iex	P <sub>1N</sub> (kW)	$\begin{array}{c} T_{2N} \\ \text{(N } \bullet \text{ m)} \end{array}$	iex	P <sub>1N</sub> (kW)	$\begin{array}{c} T_{2N} \\ (N \bullet m) \end{array}$	iex	P <sub>1N</sub> (kW)
	C205/C203	(111)		C206/C203	(111)		C307/C203	(111)
430	96.2	0.81	520	100.3	0.95	800	101.1	1.44
430	106.8	0.73	520	111.3	0.85	800	112.1	1.30
430	122.4	0.64	520	127.5	0.74	800	128.5	1.13
430	134.4	0.58	520	140.0	0.68	800	141.1	1.03
430	151.2	0.52	520	157.5	0.60	800	158.8	0.92
430	162.0	0.48	520	168.8	0.56	800	170.1	0.86
	C205/C303	0.10		C206/C303		~ ~ ~	C307/C303	
430	183.6	0.43	520	191.3	0.50	800	192.8	0.76
430	207.6	0.38	520	216.3	0.44	800	218.0	0.67
490	C305/C203	0.94	CEO	C306/C203	0.40	000	C307/C203	0.00
480	256.3	0.34	650	242.8	0.49	900	262.0	0.63
<u>480</u> 480	289.5 321.3	0.30	<u>650</u> 650	274.3 304.4	0.43	<u>900</u> 900	295.9 328.4	0.55
480	368.2	0.27	650	348.8	0.39	900	376.4	0.30
480	404.3	0.24	650	383.0	0.34	900	413.3	0.44
480	454.9	0.19	650	430.9	0.31	900	464.9	0.35
	101.0	0.15	000	450.5	0.21	500	101. 5	0.00
480	487.4	0.18	650	461.7	0.26	900	498.2	0.33
100	C305/C303	0.10	000	C306/C303	0.20	000	C307/C303	0.00
480	552.3	0.16	650	523.3	0.23	900	564.6	0.29
480	624.5	0.14	650	591.7	0.20	900	638.4	0.26
480	711.2	0.12	650	673.7	0.18	900	726.9	0.23
480	801.4		650	759.2	0.16	900	819.2	0.20
480	909.7		650	861.8	0.14	900	929.9	0.18
480	971.1		650	920.0		900	992.6	0.17
480	1094		650	1036		900	1118	0.15
480	1245		650	1180		900	1273	0.13
480	1412		650	1337		900	1443	
480	1596		650	1512		900	1631	
480	1718		650	1628		900	1756	
480	2011		650	1905		900	2055	
480	2282		650	2161		900	2332	
480	2573 2908		<u>570</u> 570	2369 2679		<u>900</u> 900	2412 2727	
<u>480</u> 480	2908 3132		570	2879		900	2937	
480	3132		570	3375		900	3437	
480	4159		570	3830		900	3899	
480	4580		570	4218		900	4294	
480	5007		570	4612		900	4695	
480	5475		570	5042		900	5133	
480	6417		570	5979		900	6668	
480	7016		570	6537		800	7290	
480	7671		570	7147		800	7971	



# C.../C... Combi–type transmission capacity C.../C... ( $_{iN=100-18000}$ )

$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	Nominal Input Speed	Nominal Output Speed	Nominal Ratio Code	Nominal Ratio	Rated Output Torque	Exact Ratio	Rated Intput Power	Rated Output Torque	Exact Ratio	Rated Intput Power	Rated Output Torque	Exact Ratio	Rated Intput Power
$1740 \begin{tabular}{ c c c c c c c c c c c c c c c c c c c$			Code	iN			(kW)	(N • m)		(kW)	(N • m)		
15.54         D11         112         1300         115.1         2.06         2300         109.6         3.59         4300         112.6         6.98           12.43         D14         140         1300         127.2         1.73         2300         116.7         3.59         4300         128.8         6.09           12.43         D16         1300         137.2         1.73         2300         131.7         2.28         4300         187.5         4.97           10.88         D16         1300         130.7         1.21         2300         131.7         2.31         4300         192.5         4.07           7.7         D22         221         1300         298.3         1.14         2300         296.4         2.11         4300         122.3         3.54           6.21         D22         221         1300         298.4         1.24         2300         285.2         2.28         4500         286.2         2.85           6.21         D22         230         180         418.3         4.00         318.9         2.08         4500         31.7         2.28           6.21         D25         200         1800         430.8	(1/ 1111)												
13.92         013         125         1300         122.7         1.93         2200         116.9         3.59         4300         128.8         6.69           12.43         D14         140         1300         137.2         1.73         2200         151.5         2.2         89         4300         181.5         4.97           10.85         D16         160         1300         192.4         1.55         2.00         115.5         2.31         4300         181.5         4.97           9.67         D120         2200         1030         202.4         1.00         22.00         188.5         4.00         182.5         4.07           6.96         D25         250         1400         281.3         1.24         200         280.9         2.08         4500         281.3         3.24           6.96         D25         250         1400         280.1         1.24         200         20.09         1.83         4500         281.3         3.24           6.96         D25         250         1400         283.4         0.93         3200         310.0         1.73         20.0         280.4         2.18         4000         303.4         1.61 <td></td> <td></td> <td></td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>-</td> <td></td> <td></td>				1							-		
$17.43  D14  1140  1300  137.2  1.73  2300  130.7  3.21  4300  157.5  4.97 \\ - (210/C37)  (210/C37) $													
$ \left  1740 \right  \begin{tabular}{ c c c c c c c c c c c c c c c c c c c$											-		
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		12.43	D14	140	1300	137.2	1.73	2300	130.7	3.21	4300		5.40
$ \left  \begin{array}{cccccccccccccccccccccccccccccccccccc$		10.88	D16	160	1300	152 /	1 55	2300	145.2	2 80	/1300		1 97
$ \left  1740 \right  \begin{array}{c c c c c c c c c c c c c c c c c c c $													
140         7.77         D22         224         1300         227.5         1.00         2300         228.3         1.85         4300         221.3         3.54           6.96         D25         230         1800         283.9         1.24         3200         287.2         2.28         4500         281.3         3.26           6.21         D28         280         1800         298.8         0.99         3120         318.9         1.83         4500         317.2         2.87           4.90         D36         355         1800         328.8         0.99         3200         318.9         1.83         4500         317.2         2.59           4.90         D36         355         1800         328.6         0.93         3200         380.2         1.53         4500         430.4         430.4         430.4         430.4         430.4         430.4         1.61         3.8         4500         430.6         1.83         430.4         430.4         1.61         3.8         1.60         1.61         3.20         1.33         4500         430.4         1.61         1.51         1.53           3.84         D50         500         7.4         4500 </td <td></td>													
$ \left  1740 \right  \begin{tabular}{ c c c c c c c c c c c c c c c c c c c$													
$ \left  \begin{array}{cccccccccccccccccccccccccccccccccccc$					2000						1000		0.01
$ \left  \begin{array}{c c c c c c c c c c c c c c c c c c c $		6.96	D25	250	1800			3200			4500		3.26
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$			D28	280	1800	290.5		3200	280.9	2.08	4500	286.2	2.87
$1740 \begin{tabular}{ c c c c c c c c c c c c c c c c c c c$		5.52	D32	315	1800	329.8	0.99	3200	318.9	1.83	4500	317.2	2.59
$1740 \begin{array}{ c c c c c c c c c c c c c c c c c c c$		4.90	D36	355	1800	351.6	0.93	3200	340.0	1.71	4500		2.26
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		4.35	D40	400	1800	393.1	0.83	3200	380.2	1.53	4500	408.3	2.01
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$													
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$				1									
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$													
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$													
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$													
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		2.45	D71	710	1800			3200			4500	728.6	1.13
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		0.10	DOO	000	1000			0000			4500	010 0	1 0 0
$1740 \begin{tabular}{ c c c c c c c c c c c c c c c c c c c$													
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		1.93	D90	900	1800	917.3	0.36	3200	887.0	0.66	4500	932.8	0.88
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	1740	1 74	F10	1000	1800	1024	0.30	3200	1000	0.58	4500	006.2	0.82
1.39         E13         1250         1800         1314         0.25         3200         1271         0.46         4500         1299         0.63           1.24         E14         1400         1800         1445         0.23         3200         1397         0.42         4500         1338         0.61           1.09         E16         1600         1800         1714         0.19         3200         1658         0.35         4500         1732         0.47           0.97         E18         1800         1800         2180         0.15         3200         2108         0.28         4500         1742         0.47           0.87         E20         2000         1800         2395         0.14         3200         2316         0.25         4500         2172         0.38           0.70         E25         2500         1800         2333         3200         2316         0.23         4500         2580         0.32           0.62         E28         2800         1800         3337         3200         3316         0.18         4500         3361         0.24           0.49         E36         3550         1800         3822 </td <td>1740</td> <td></td>	1740												
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$													
1.09         E16         1600         1800         1714         0.19         3200         1658         0.35         4500         1535         0.53           0.97         E18         1800         1800         1904         0.17         3200         1841         0.32         4500         1742         0.47           0.87         E20         2000         1800         2180         0.15         3200         2108         0.28         4500         1950         0.42           0.78         E22         2240         1800         2395         0.14         3200         2316         0.25         4500         2172         0.38           0.70         E25         2500         1800         2533         3200         2517         0.23         4500         2060         0.28           0.62         E28         2800         1800         3337         3200         3316         0.18         4500         3361         0.24           0.49         E36         3550         1800         3822         3200         3798         0.15         4500         4604         0.18           0.35         E50         5000         1800         4734         3200 </td <td></td>													
0.97         E18         1800         1904         0.17         3200         1841         0.32         4500         1742         0.47           0.87         E20         2000         1800         2180         0.15         3200         2108         0.28         4500         1950         0.42           0.78         E22         2240         1800         2395         0.14         3200         2316         0.25         4500         2172         0.38           0.70         E25         2500         1800         2533         3200         2517         0.23         4500         2580         0.32           0.62         E28         2800         1800         3037         3200         2986         0.20         4500         2960         0.28           0.55         E32         3150         1800         3321         3200         3798         0.15         4500         361         0.22           0.44         E40         4000         1800         4198         3200         4172         0.14         4500         4604         0.18           0.35         E50         5000         1800         5059         3200         5845         4500 <td></td>													
0.87         E20         2000         1800         2180         0.15         3200         2108         0.28         4500         1950         0.42           0.78         E22         2240         1800         2395         0.14         3200         2316         0.25         4500         2172         0.38           0.70         E25         2500         1800         2533         3200         2517         0.23         4500         2580         0.32           0.62         E28         2800         1800         3005         3200         2986         0.20         4500         2960         0.28           0.55         E32         3150         1800         3337         3200         3316         0.18         4500         3361         0.24           0.49         E36         3550         1800         3822         3200         3798         0.15         4500         3762         0.22           0.44         E40         4000         1800         4734         3200         41704         0.12         4500         4604         0.20           0.35         E50         5000         1800         5659         3200         5028         4500<													
0.78         E22         2240         1800         2395         0.14         3200         2316         0.25         4500         2172         0.38           0.70         E25         2500         1800         2533         3200         2517         0.23         4500         2580         0.32           0.62         E28         2800         1800         3005         3200         2986         0.20         4500         2960         0.28           0.55         E32         3150         1800         3337         3200         3316         0.18         4500         3361         0.24           0.49         E36         3550         1800         3822         3200         3798         0.15         4500         3762         0.22           0.44         E40         4000         1800         4198         3200         4172         0.14         4500         4189         0.20           0.39         E45         4500         1800         4734         3200         5028         4500         5228         0.16           0.31         E56         5600         1800         5882         3200         5845         4500         5228         0.16 </td <td></td> <td></td> <td></td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>-</td> <td></td> <td></td>					-						-		
0.62         E28         2800         1800         3005         3200         2986         0.20         4500         2960         0.28           0.55         E32         3150         1800         3337         3200         3316         0.18         4500         3361         0.24           0.49         E36         3550         1800         3822         3200         3798         0.15         4500         3762         0.22           0.44         E40         4000         1800         4198         3200         4172         0.14         4500         4189         0.20           0.39         E45         4500         1800         4734         3200         4704         0.12         4500         4604         0.18           0.35         E50         5000         1800         5059         3200         5028         4500         5228         0.16           0.31         E56         5600         1800         5882         3200         5845         4500         6505         0.13           0.28         E63         6300         1800         6626         3200         6322         4500         8833         16           0.22		0.78	E22	2240	1800		0.14	3200	2316	0.25	4500	2172	0.38
0.55       E32       3150       1800       3337       3200       3316       0.18       4500       3361       0.24         0.49       E36       3550       1800       3822       3200       3798       0.15       4500       3762       0.22         0.44       E40       4000       1800       4198       3200       4172       0.14       4500       4189       0.20         0.39       E45       4500       1800       4734       3200       4704       0.12       4500       4604       0.18         0.35       E50       5000       1800       5059       3200       5028       4500       5228       0.16         0.31       E56       5600       1800       5882       3200       6322       4500       \$6012         0.25       E71       7100       1500       7081       2800       6756       4500       8833         0.19       E90       9000       1500       8233       2800       7855       4500       9386         0.17       F10       10000       1500       10118       2800       9653       4500       10852         0.16       F11       11200		0.70	E25	2500	1800	2533		3200	2517	0.23	4500	2580	0.32
0.49       E36       3550       1800       3822       3200       3798       0.15       4500       3762       0.22         0.44       E40       4000       1800       4198       3200       4172       0.14       4500       4189       0.20         0.39       E45       4500       1800       4734       3200       4704       0.12       4500       4604       0.18         0.35       E50       5000       1800       5059       3200       5028       4500       6505       0.13         0.31       E56       5600       1800       5882       3200       5845       4500       6505       0.13         0.28       E63       6300       1800       6626       3200       6322       4500       *6912         0.25       E71       7100       1500       7081       2800       6756       4500       7099         0.22       E80       8000       1500       8233       2800       7855       4500       8833          0.19       E90       9000       1500       9260       2800       8835       4500       10852          0.16       F11				2800	1800			3200	2986	0.20	4500	2960	0.28
0.44         E40         4000         1800         4198         3200         4172         0.14         4500         4189         0.20           0.39         E45         4500         1800         4734         3200         4704         0.12         4500         4604         0.18           0.35         E50         5000         1800         5059         3200         5028         4500         5228         0.16           0.31         E56         5600         1800         5882         3200         5845         4500         6505         0.13           0.28         E63         6300         1800         6626         3200         6322         4500         *6912           0.25         E71         7100         1500         7081         2800         6756         4500         7099           0.22         E80         8000         1500         8233         2800         7855         4500         8833           0.19         E90         9000         1500         10118         2800         9653         4500         10852           0.16         F11         11200         1500         11091         2800         10582         4500													
0.39E45450018004734320047040.12450046040.180.35E5050001800505932005028450052280.160.31E5656001800588232005845450065050.130.28E63630018006626320063224500*69120.25E7171001500708128006756450088330.19E9090001500823328007855450093860.17F1010000150010118280096534500108520.16F11112001500110912800105824500114790.14F13125001500120562800115024500129080.12F14140004500137290.11F1616000450015508													
0.35         E50         5000         1800         5059         3200         5028         4500         5228         0.16           0.31         E56         5600         1800         5882         3200         5845         4500         6505         0.13           0.28         E63         6300         1800         6626         3200         6322         4500         *6912           0.25         E71         7100         1500         7081         2800         6756         4500         7099           0.22         E80         8000         1500         8233         2800         7855         4500         9386           0.19         E90         9000         1500         9260         2800         8835         4500         9386           0.17         F10         10000         1500         10118         2800         9653         4500         10852           0.16         F11         11200         1500         10191         2800         10582         4500         11479           0.14         F13         12500         1500         12056         2800         11502         4500         12908           0.12         F													
0.31       E56       5600       1800       5882       3200       5845       4500       6505       0.13         0.28       E63       6300       1800       6626       3200       6322       4500       *6912         0.25       E71       7100       1500       7081       2800       6756       4500       7099         0.22       E80       8000       1500       8233       2800       7855       4500       9386         0.19       E90       9000       1500       9260       2800       8835       4500       9386         0.17       F10       10000       1500       10118       2800       9653       4500       10852         0.16       F11       11200       1500       11091       2800       10582       4500       11479         0.14       F13       12500       1500       12056       2800       11502       4500       12908         0.12       F14       14000          4500       13729         0.11       F16       16000           4500       15508										0.12			
0.28         E63         6300         1800         6626         3200         6322         4500         *6912           0.25         E71         7100         1500         7081         2800         6756         4500         7099           0.22         E80         8000         1500         8233         2800         7855         4500         8833           0.19         E90         9000         1500         9260         2800         8835         4500         9386           0.17         F10         10000         1500         10118         2800         9653         4500         10852           0.16         F11         11200         1500         11091         2800         10582         4500         11479           0.14         F13         12500         1500         12056         2800         11502         4500         12908           0.12         F14         14000            4500         13729           0.11         F16         16000             4500         15508													
0.25         E71         7100         1500         7081         2800         6756         4500         7099           0.22         E80         8000         1500         8233         2800         7855         4500         8833           0.19         E90         9000         1500         9260         2800         8835         4500         9386           0.17         F10         10000         1500         10118         2800         9653         4500         10852           0.16         F11         11200         1500         11091         2800         10582         4500         11479           0.14         F13         12500         1500         12056         2800         11502         4500         12908           0.12         F14         14000           4500         13729           0.11         F16         16000            4500         15508													0.13
0. 22       E80       8000       1500       8233       2800       7855       4500       8833         0. 19       E90       9000       1500       9260       2800       8835       4500       9386         0. 17       F10       10000       1500       10118       2800       9653       4500       10852         0. 16       F11       11200       1500       11091       2800       10582       4500       11479         0. 14       F13       12500       1500       12056       2800       11502       4500       12908         0. 12       F14       14000           4500       13729         0. 11       F16       16000            4500       15508					-								
0.19         E90         9000         1500         9260         2800         8835         4500         9386           0.17         F10         10000         1500         10118         2800         9653         4500         10852           0.16         F11         11200         1500         11091         2800         10582         4500         11479           0.14         F13         12500         1500         12056         2800         11502         4500         12908           0.12         F14         14000            4500         13729           0.11         F16         16000             4500         15508													
0.17         F10         10000         1500         10118         2800         9653         4500         10852           0.16         F11         11200         1500         11091         2800         10582         4500         11479           0.14         F13         12500         1500         12056         2800         11502         4500         12908           0.12         F14         14000            4500         13729           0.11         F16         16000             4500         15508													
0.16         F11         11200         1500         11091         2800         10582         4500         11479           0.14         F13         12500         1500         12056         2800         11502         4500         12908           0.12         F14         14000             4500         13729           0.11         F16         16000             4500         15508													
0.14         F13         12500         1500         12056         2800         11502         4500         12908           0.12         F14         14000             4500         13729           0.11         F16         16000             4500         15508													
0.12         F14         14000         4500         13729           0.11         F16         16000         4500         15508													
0.11 F16 16000 4500 15508					1000	12000		2000	11002				
		0.10	F18	18000									

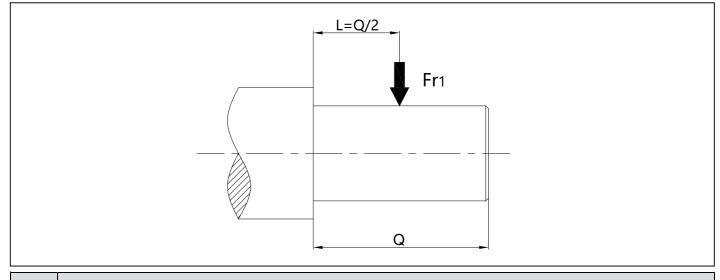


Rated Output Torque	Exact Ratio	Rated Intput Power	Rated Output Torque	Exact Ratio	Rated Intput Power	Rated Output Torque	Exact Ratio	Rated Intput Power
$\begin{array}{c} T_{2N} \\ (N \bullet m) \end{array}$	iex	P <sub>1N</sub> (kW)	$T_{2N}$ (N • m)	iex	P <sub>1N</sub> (kW)	T <sub>2N</sub> (N • m)	iex	$P_{1N}$ (kW)
	C213/C207	(K#)		C214/C208	(KW)		C216/C210	(KW)
7300	105. 7	12.58	14000	97.2	26.2	16000	94.2	30.9
7300	117.1	11.36	14000	112.2	22.7	16000	107.1	27.2
7300	133.9	9.93	14000	126.9	20.1	16000	119.9	24.3
7300	150.8	8.82	14000	137.9	18.5	16000	132.7	22.0
	C213/C307							
7300	163.8	8.12	14000	154.9	16.5	16000	155.0	18.8
7300	188.5	7.06	14000	169.6	15.0	16000	171.1	17.0
7300	200. 2	6.64	14000	196.4	13.0	16000	181.0	16.1
7300	230.1	5.78	14000	209.8	12.2	16000	205.8	14.2
	C313/C207			C314/C207			C316/C209	
8200	250.6	5.96	14000	260.6	9.8	18000	241.5	13.6
8200	285.4	5.24	14000	296.7	8.6	18000	268.5	12.2
8200	316.3	4.72	14000	328.9	7.8	18000	304.7	10.8
8200	361.5	4.13	14000	376.0	6.8	18000	345.4	9.5
8200	407.2	3.67	14000	423.4	6.02	18000	389.9	8.4
0000	C313/C307	2 20	14000	C314/C307		19000	419.0	7.9
8200	442.3	3.38	14000	459.9	5.55	18000	413.8	
8200 8200	509.0 540.5	2.94 2.76	<u>14000</u> 14000	529.3 562.1	4.82 4.54	18000 18000	475.4 526.7	6.9 6.2
8200	621.3	2.40	14000	646.1	3.95	18000	520.7	5.48
8200	726.6	2.40	14000	755.6	3.38	18000	670.3	4.89
0200	120.0	2.00	11000	100.0	0.00	10000	010.0	1.05
8200	814.3	1.83	14000	846.8	3.01	18000	766.1	4.28
8200	930. 2	1.61	14000	967.3	2.64	18000	817.4	4.01
							C316/C309	
8200	993.3	1.50	14000	1033	2.47	18000	954.2	3.44
8200	1137	1.31	14000	1183	2.16	18000	1105	2.97
8200	1295	1.15	14000	1347	1.89	18000	1204	2.72
8200	1334	1.12	14000	1387	1.84	18000	1354	2.42
8200	1530	0.98	14000	1591	1.60	18000	1484	2.21
8200	1737	0.86	14000	1807	1.41	18000	1713	1.91
8200	1945	0.77	14000	2022	1.26	18000	1830	1.79
8200	2166	0.69	14000	2252	1.13	18000	2168	1.51
8200	2474	0.60	14000	2451	1.04	18000	2408	1.36
8200	2838	0.53	14000	2812	0.91	18000	2639	1.24
8200	3222	0.46	14000	3193	0.80	18000	3046 3253	1.08
8200 8200	3607 4017	0.41	14000 14000	3573 3980	0.71	18000 18000	3253	1.01
8200	4017	0.37	14000	4373	0.64	18000	4201	0.85
8200	5013	0.34	14000	4373	0.58	18000	4201	0.78
8200	6237	0.30	14000	6179	0.41	18000	5180	0.63
8200	*6627	0.23	14000	*6566	0.39	18000	5839	0.56
8000	6761	0.23	13500	6784	0.36	17000	6574	0.30
8000	8411	0.17	13500	8440	0.29	17000	7199	0.43
8000	8938	0.16	13500	8969	0.27	17000	8323	0.37
8000	10334	0.14	13500	10369	0.24	17000	8873	0.35
8000	10931	0.13	13500	10968	0.22	17000	10250	0.30
8000	12292		13500	12334	0.20	17000	11653	0.27
8000	13073		13500	13118	0.19	17000	12945	0.24
8000	14768		13500	14818	0.17	17000	14559	0.21
						17000	16021	0.19



# 5 Permissble Radial Force

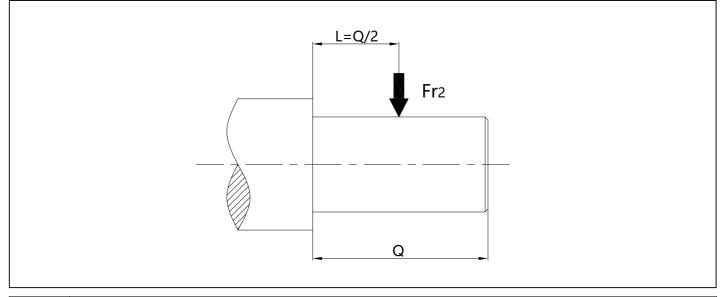
5.1 Radial force on input shaft (Fr1) (N)



		Fr1(N)												
	C200 C300	C201 C301	C203 C303	C204 C304	C205 C305	C206 C306	C207 C307	C208 C308	C209 C309	C210 C310	C212 C312	C213 C313	C214 C314	C216 C316
AE2	/	/	803	803	803	803	803	803	1	/	/	/	/	/
AE3	/	/	/	1504	1504	1504	1504	1504	1504	1504	1504	/	/	/
AE4	/	/	1	/	/	/	2188	2188	2188	2188	2188	2188	2188	2188
AE5	/	/	1	/	/	/	/	4207	4207	4207	4207	4207	4207	4207
AE6	/	/	/	/	/	/	/	/	5664	5664	5664	5664	5664	5664
AE7	/	/	/	/	/	/	/	/	/	/	/	9957	9957	9957
AE8	/	/	/	/	/	/	/	/	/	/	/	12546	12546	12546



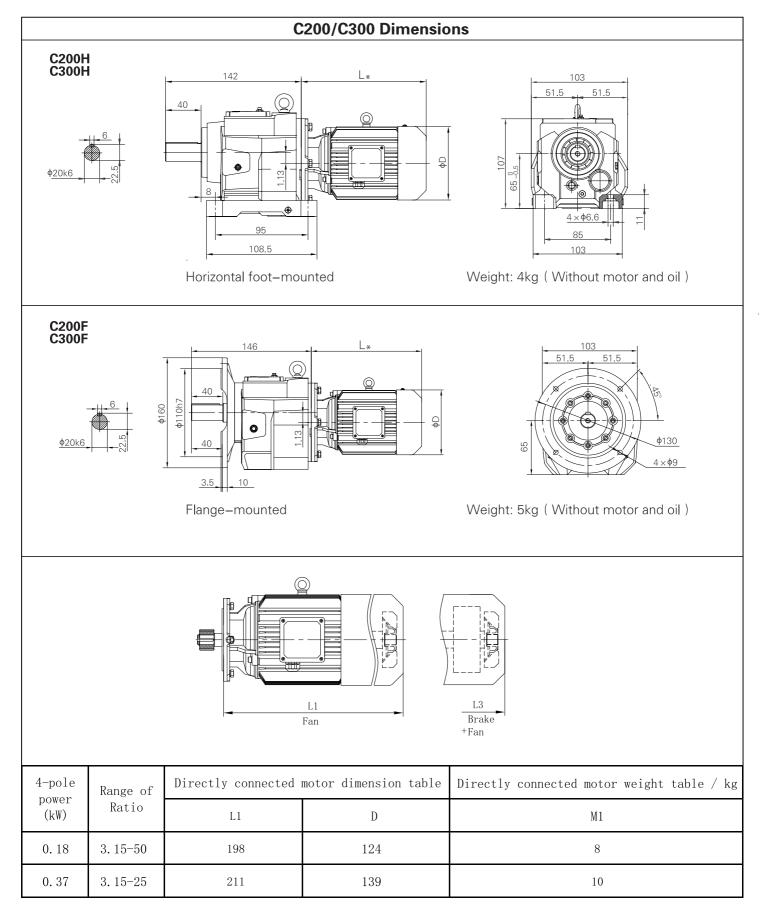
#### 5.2 Radial force on output shaft (Fr2) (N)



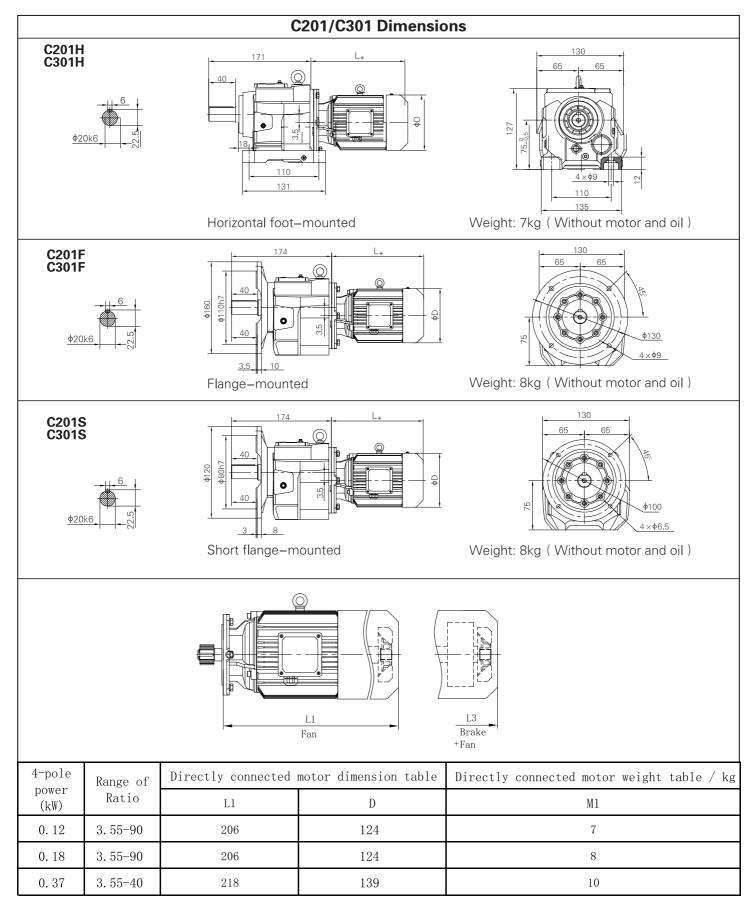
n <sub>2N</sub> (r/min)	Fr2(N)													
	C200 C300	C201 C301	C203 C303	C204 C304	C205 C305	C206 C306	C207 C307	C208 C308	C209 C309	C210 C310	C212 C312	C213 C313	C214 C314	C216 C316
355~500	210	350	/	/	/	/	/	/	/	/	/	/	/	/
250~355	246	410	684	2052	3102	4689	6096	8082	8865	10170	17770	31050	44370	/
224~250	256	427	711	2223	3344	5031	6540	8505	9450	11160	18989	32310	47800	/
200~224	324	540	900	2358	3505	5211	6774	8802	9810	11520	19718	33750	52560	1
180~224	557	929	1548	2448	3584	5247	6821	9180	10170	12420	20879	35100	48735	/
160~180	557	929	1548	2502	3663	5364	6973	9450	10710	11995	17262	24840	44910	67575
125~160	590	983	1638	2601	3859	5724	5841	9720	10890	11160	17674	27990	51600	74250
112~125	586	977	1629	2772	4073	5985	6066	10260	11430	12420	19695	31230	55710	79830
100~112	609	1015	1692	2840	4174	6134	6206	10490	11700	12960	20492	32400	57060	82125
90~100	651	1085	1809	2907	4273	6282	6651	10890	12240	13860	21915	34650	56430	91215
80~90	774	1291	2151	3033	4433	6480	6858	11340	12600	14400	22337	34650	60300	98010
71~80	833	1388	2313	3177	4537	6480	7182	11700	12960	14740	24022	39150	60300	100260
63~71	833	1388	2313	3258	4585	6453	7425	11970	13320	15570	24689	39150	58140	108000
56~63	1251	2084	3474	3543	4936	6876	9090	12510	14318	17280	27718	44460	58140	108000
45~56	1225	2041	3402	3645	5075	7065	9009	12510	14136	18090	29678	48690	56430	108000
40~45	1335	2225	3708	4221	5461	7065	8928	14400	16272	19395	30531	48060	56430	108000
35. 5~40	1471	2452	4086	4167	5314	6777	8928	15120	16740	20700	31541	48060	56430	108000
31. 5~35. 5	1575	2624	4374	4437	5351	6453	8928	15210	17820	22050	32553	48060	56430	108000
28~31.5	1604	2673	4455	4635	5469	6453	8928	15210	17820	22950	33211	48060	56430	108000
25~28	1604	2673	4455	4815	5574	6453	8928	12150	17820	23940	33920	48060	56430	108000
22. 4~25	1604	2673	4455	4878	5611	6453	8928	13680	17820	25200	34801	48060	56430	108000
≤22.4	1604	2673	4455	4878	5611	6453	8928	14220	17820	26280	35539	48060	56430	108000



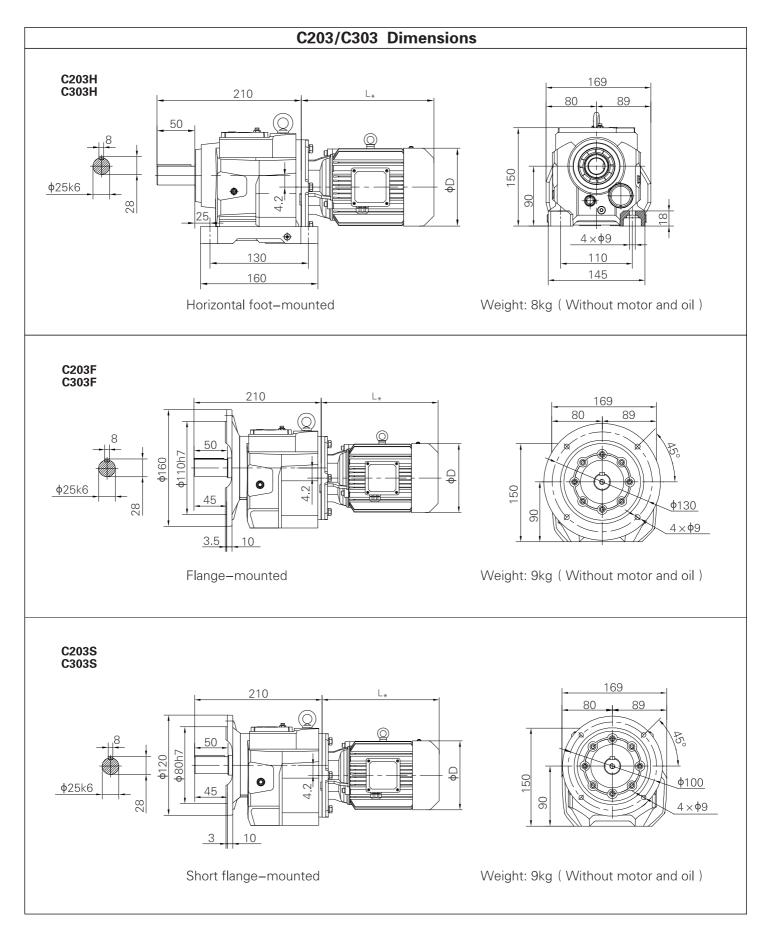
# 6 Dimensions



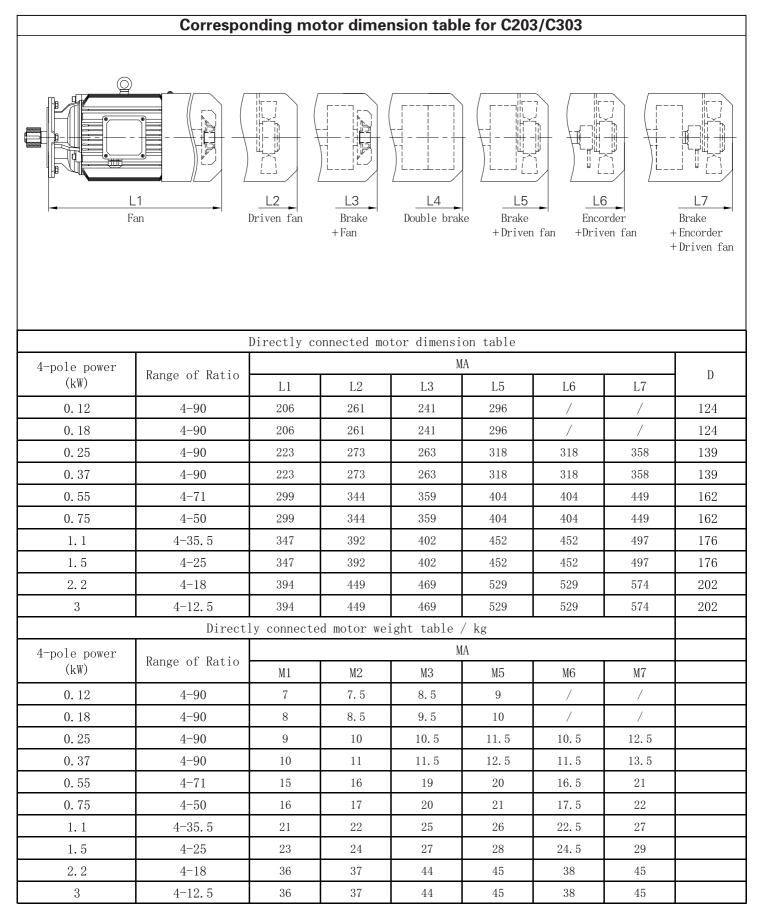




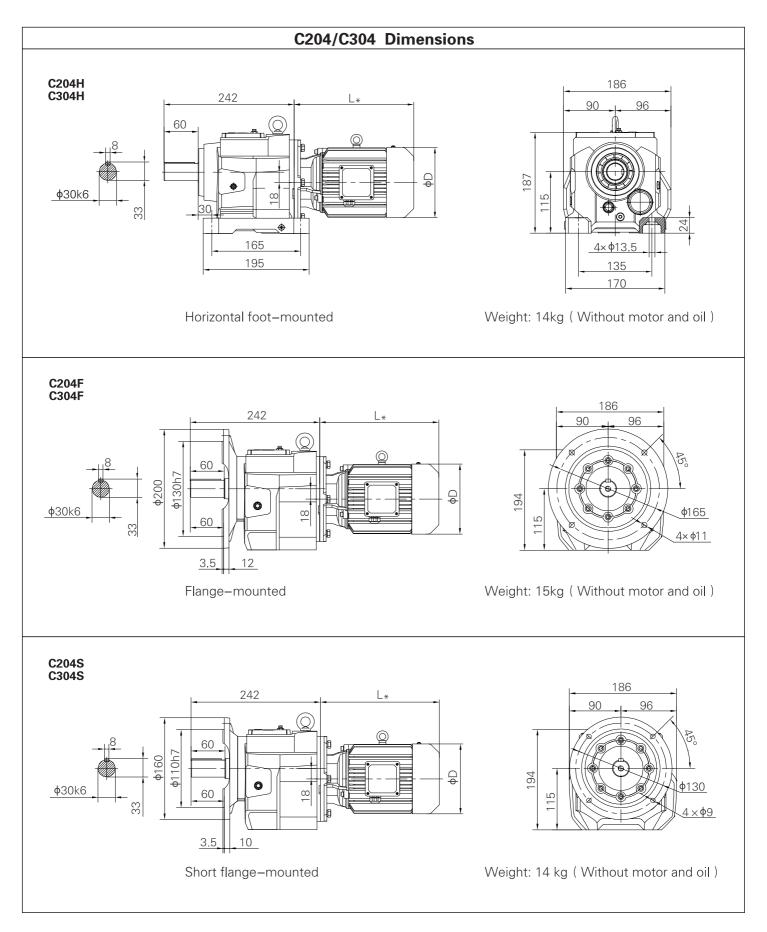


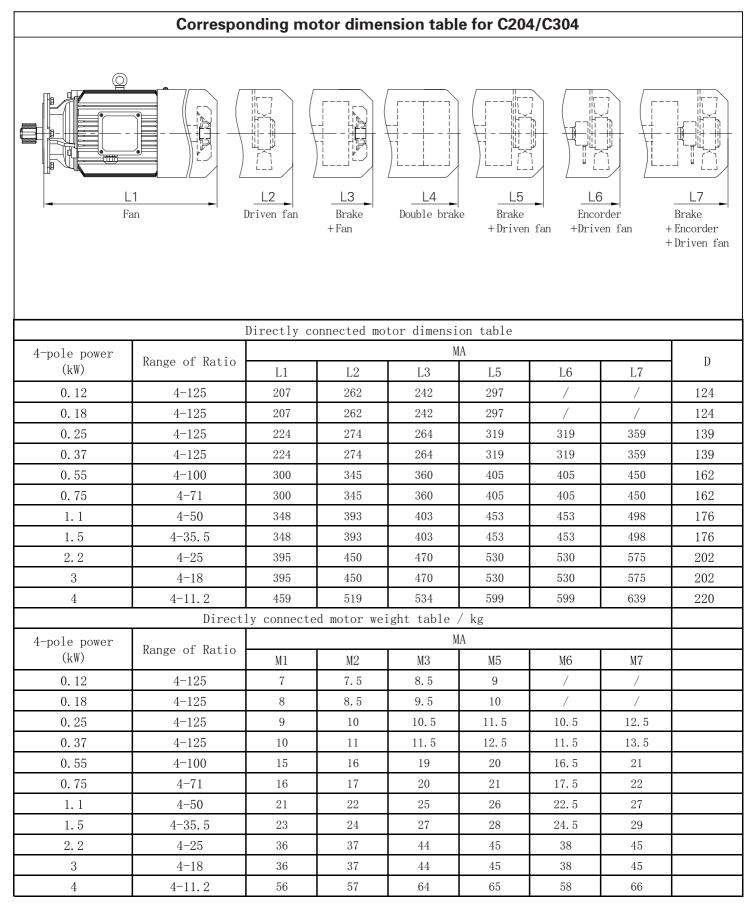




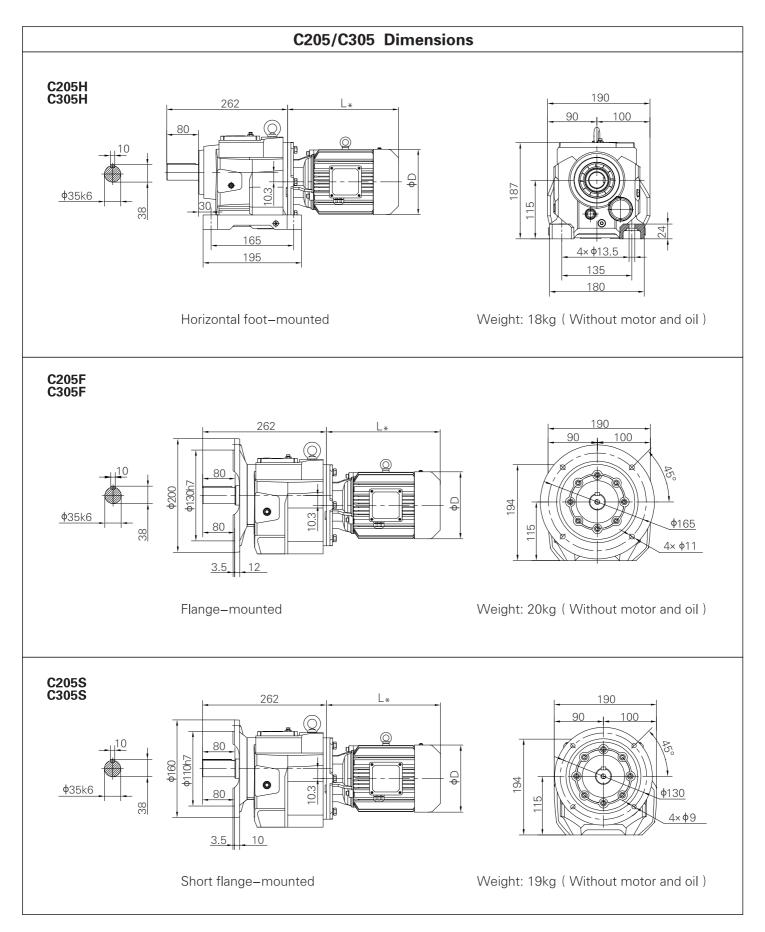




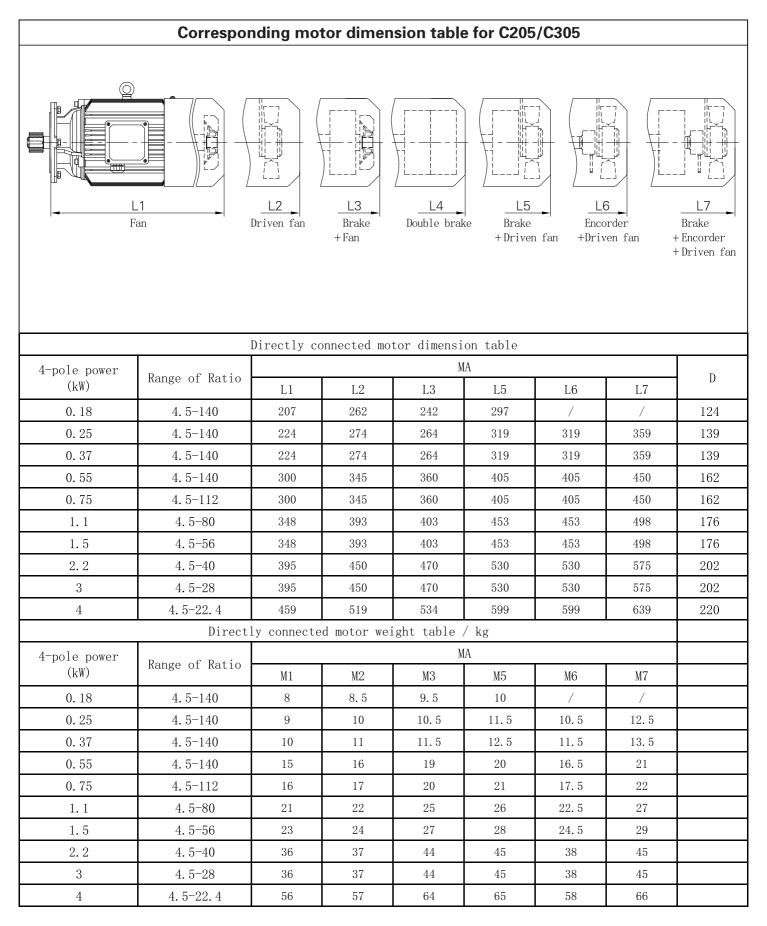




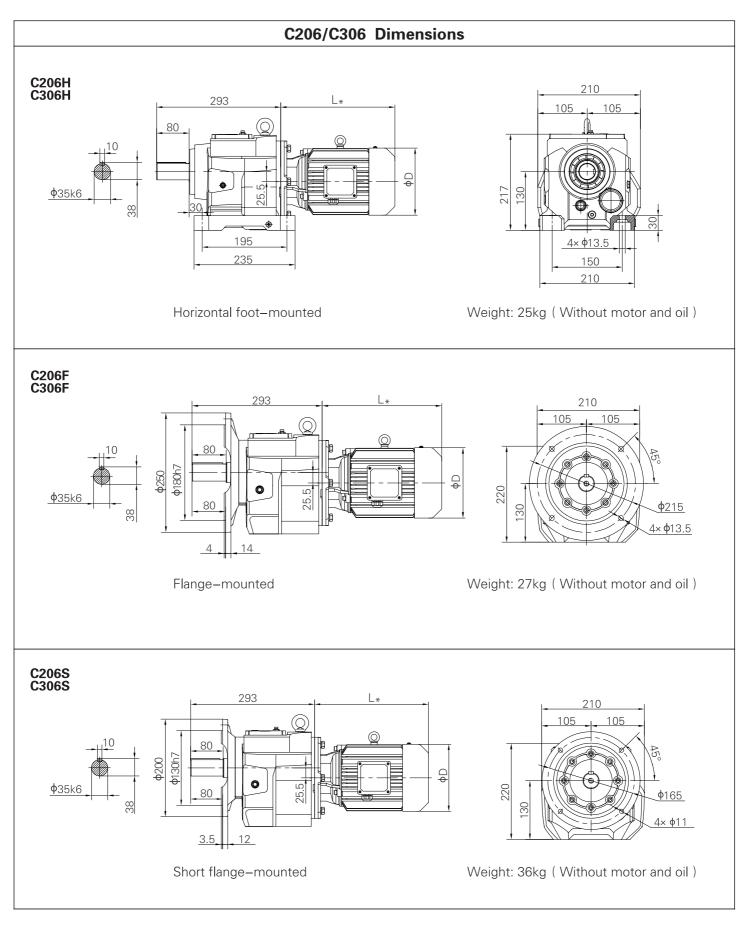




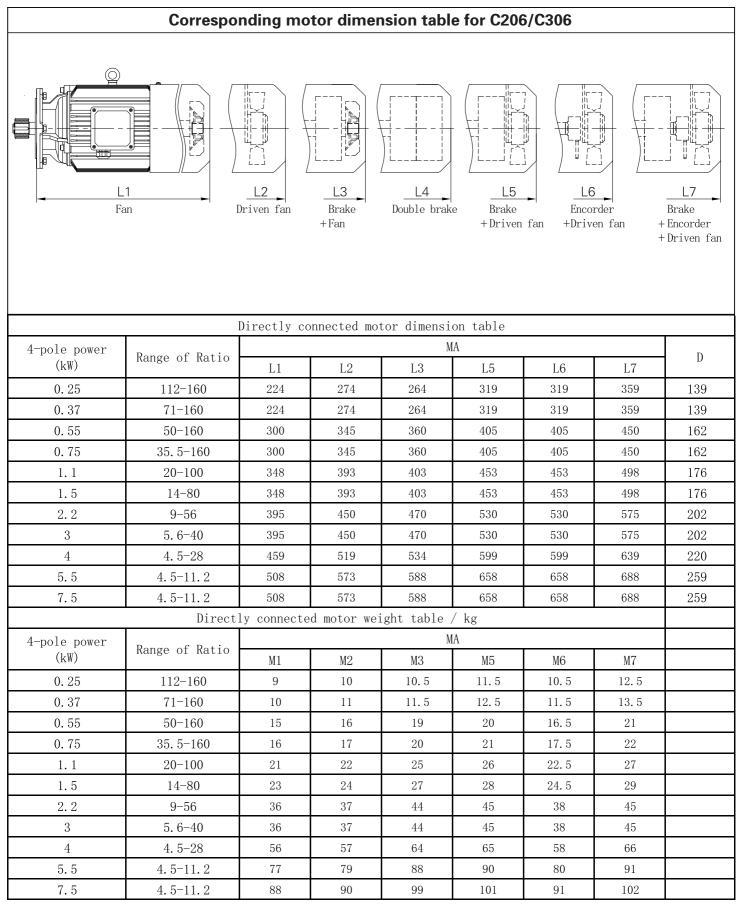




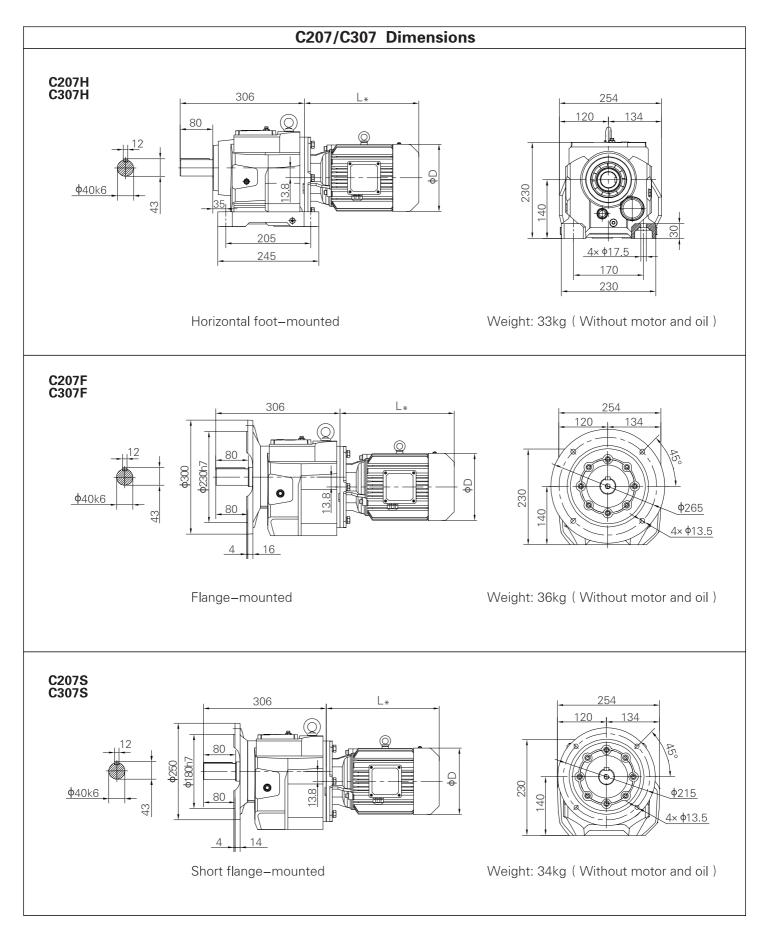


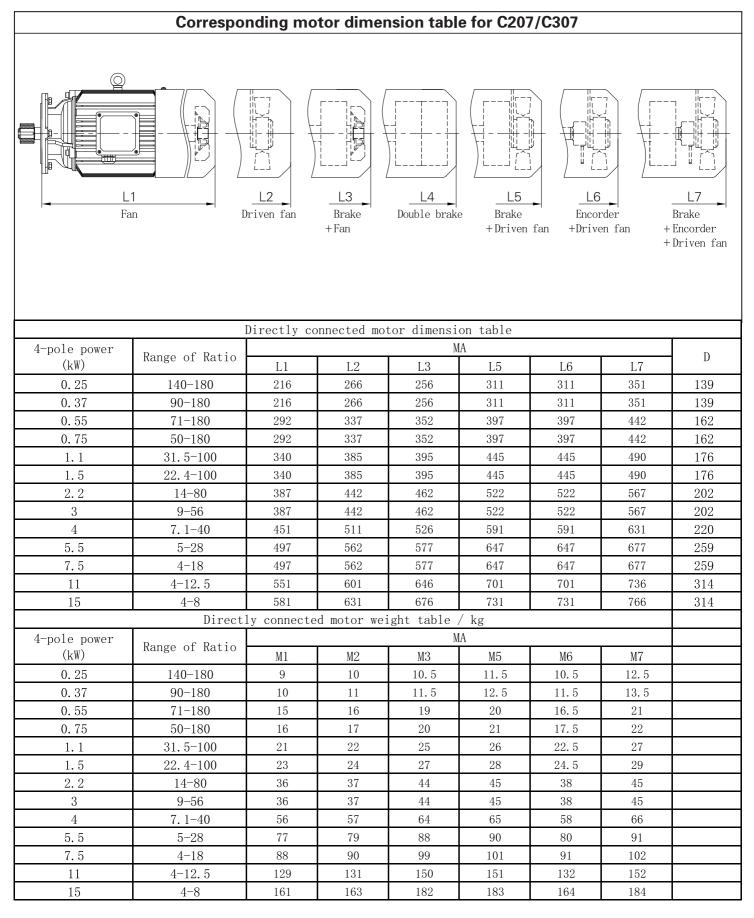




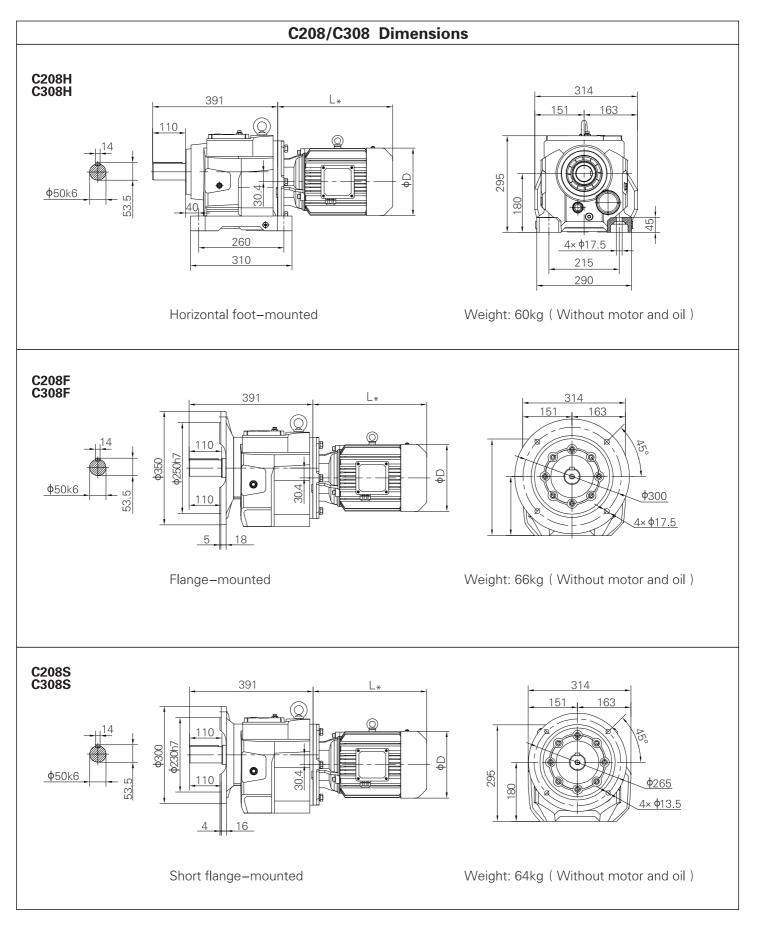


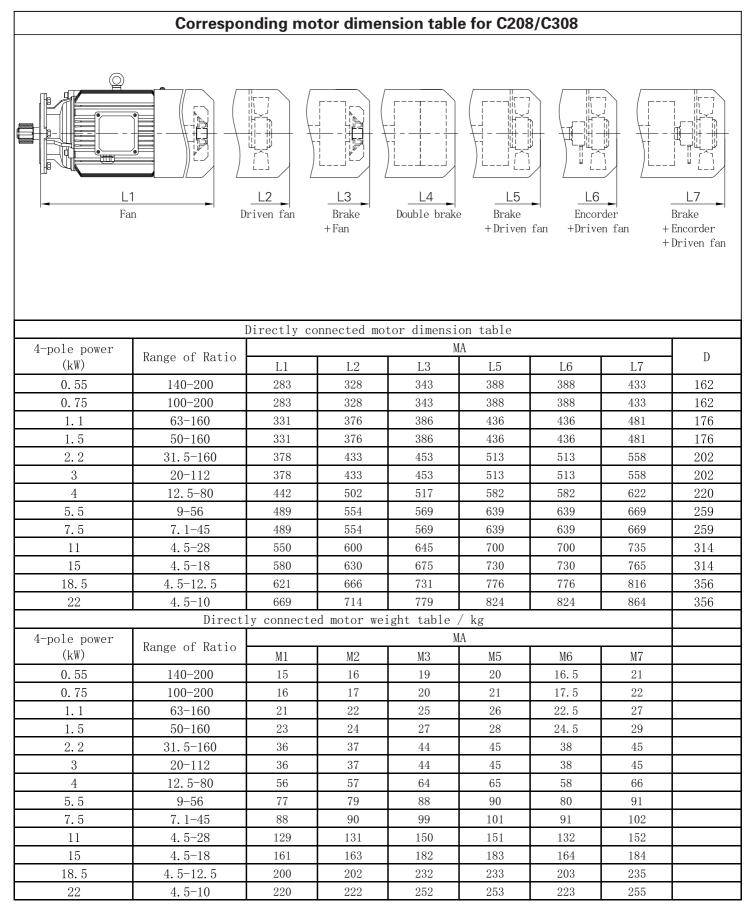




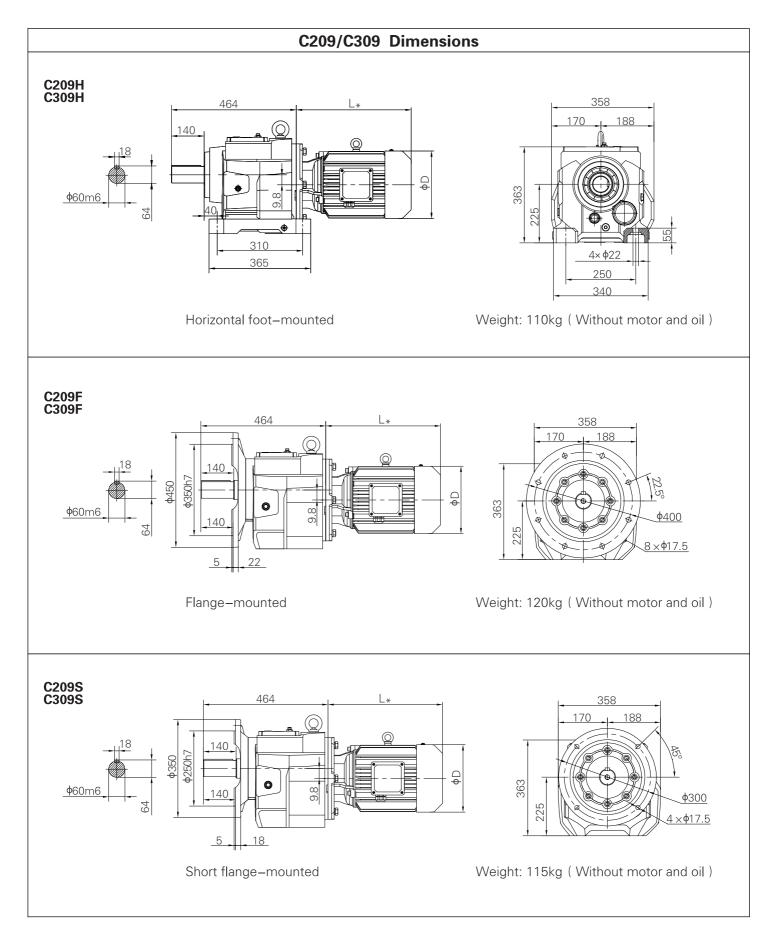


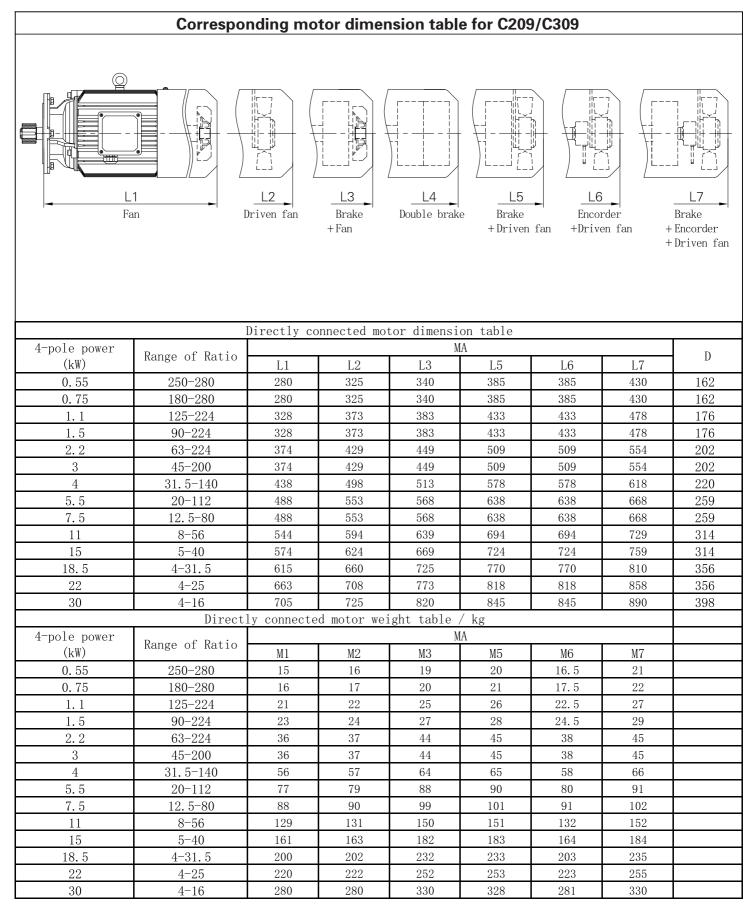




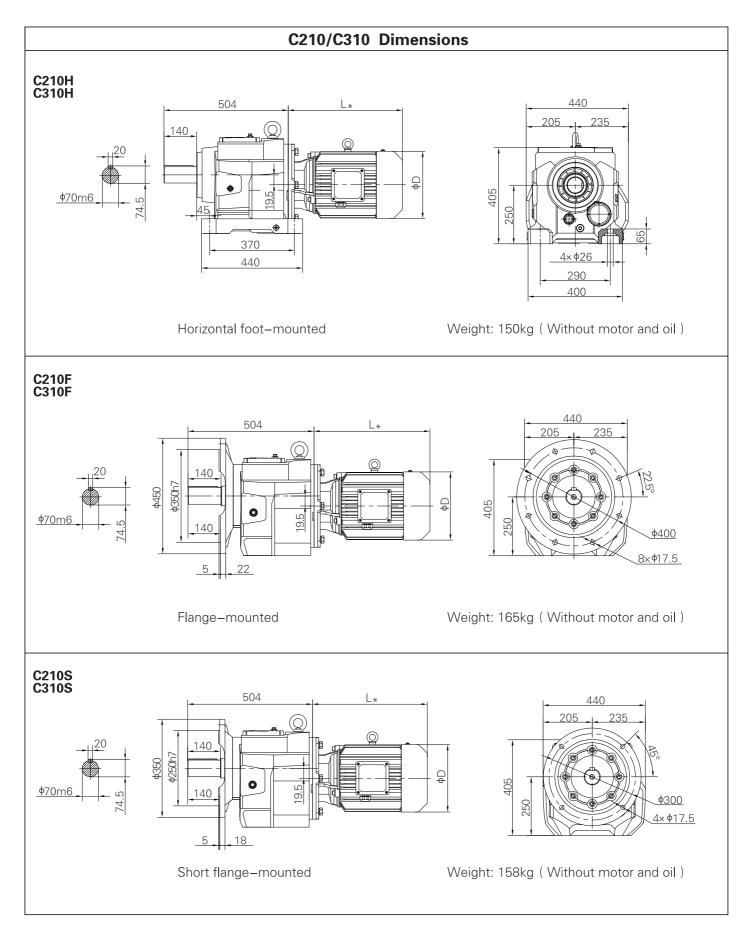


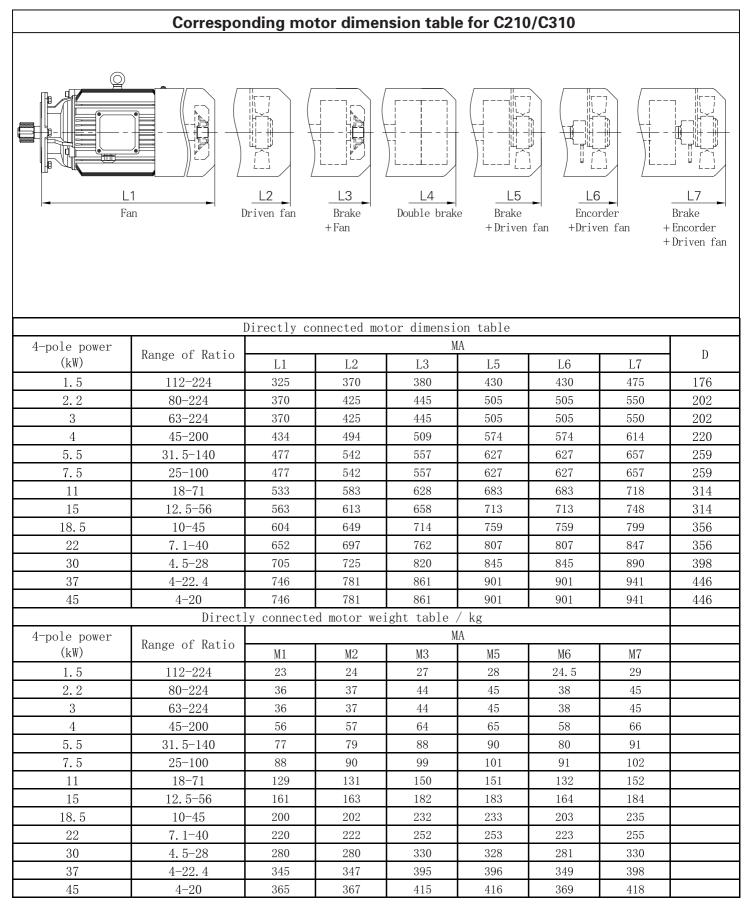




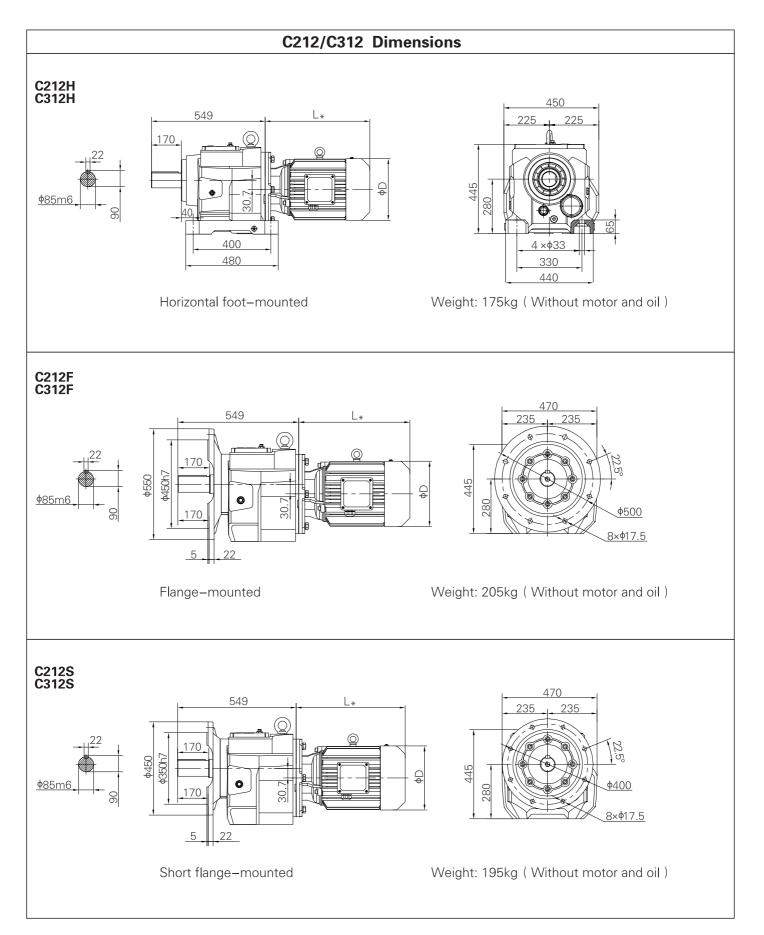


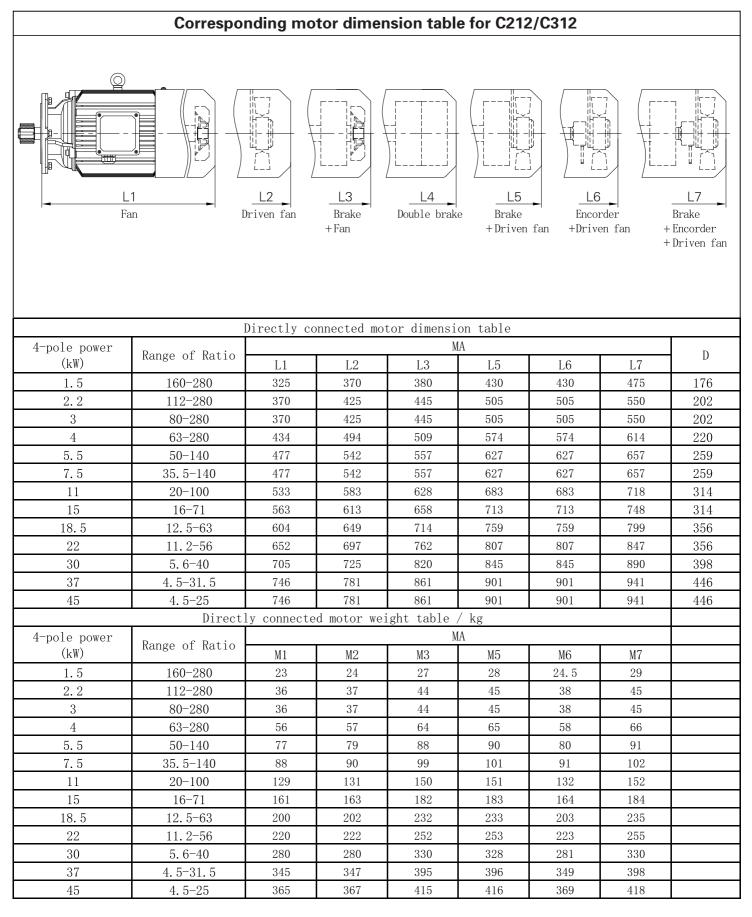




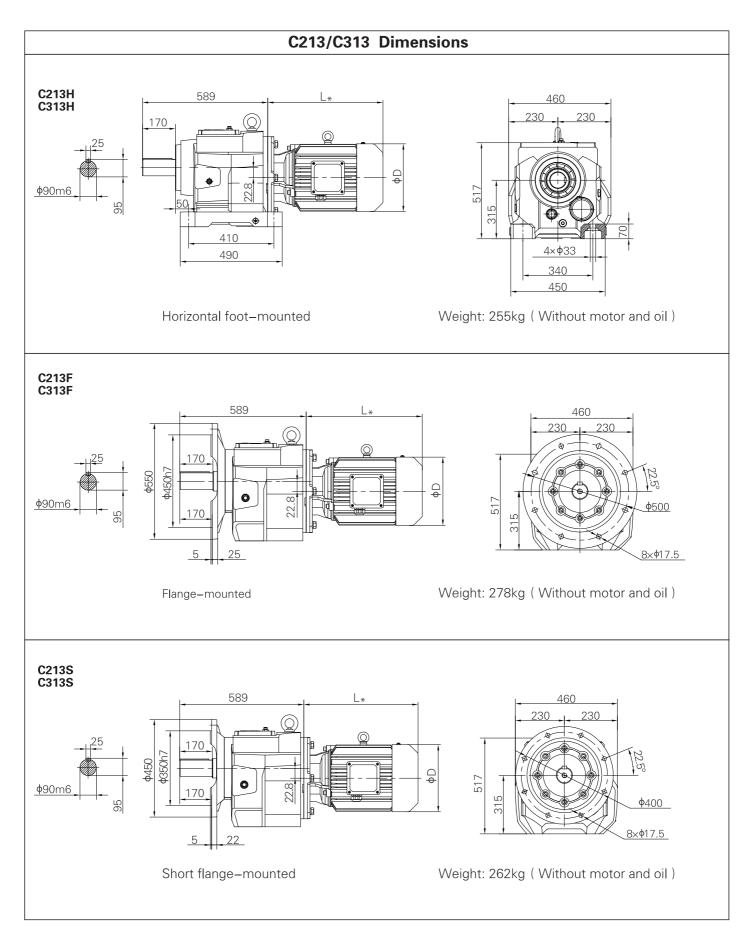


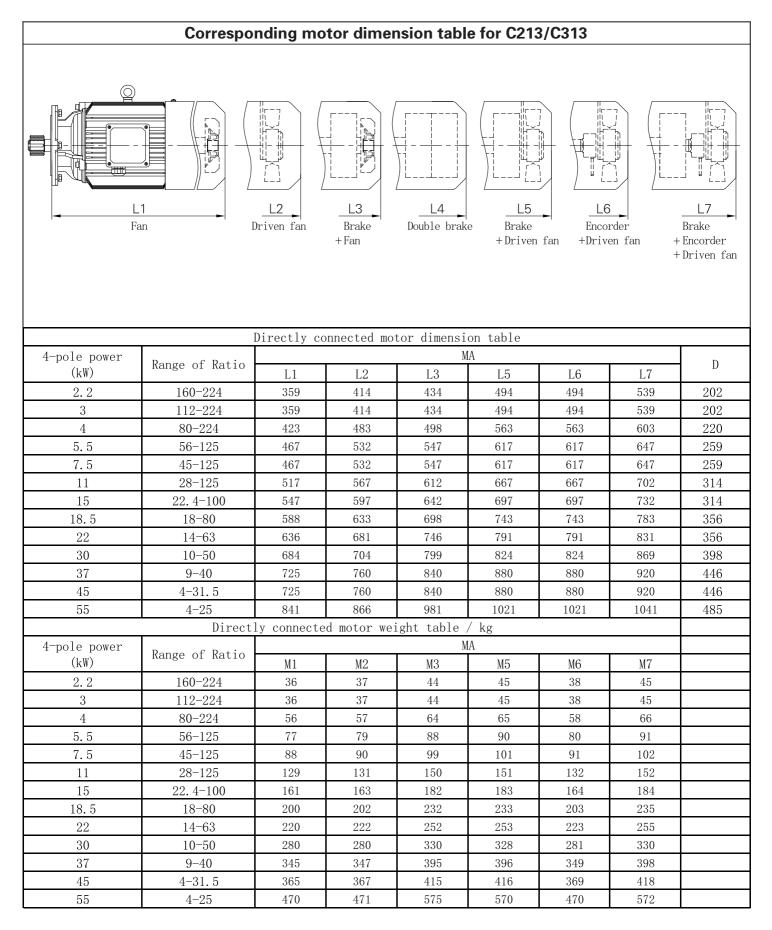




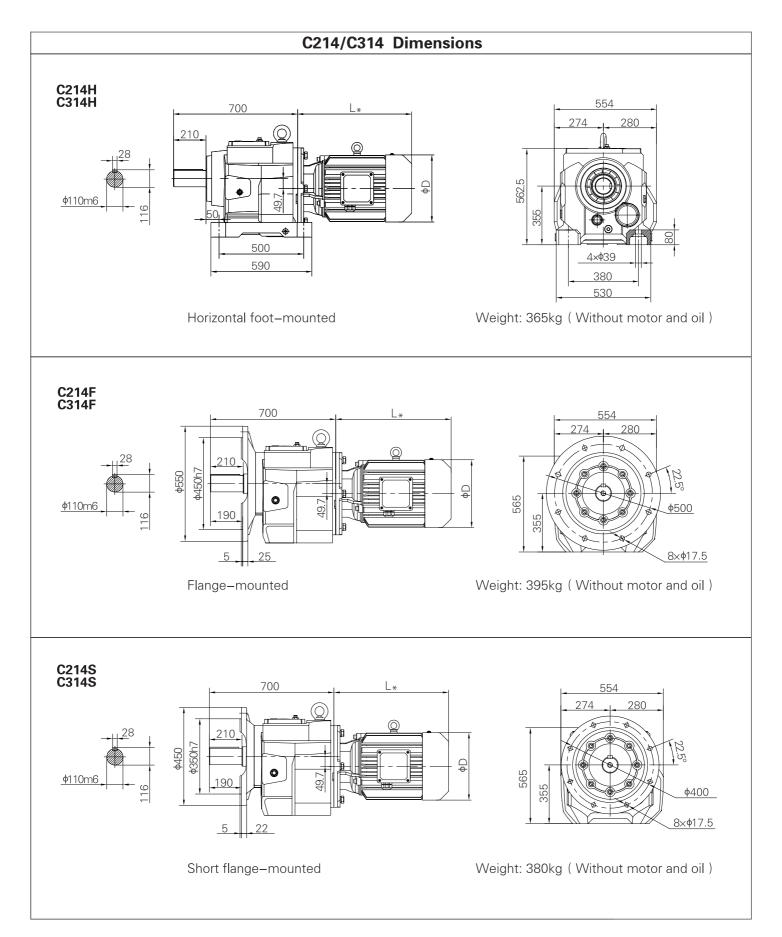


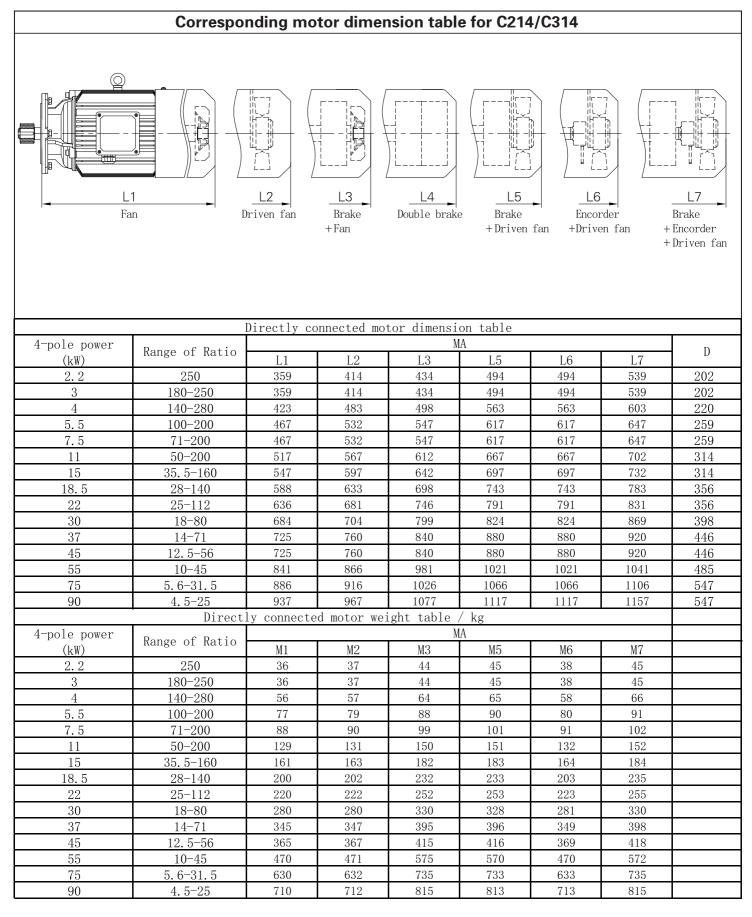




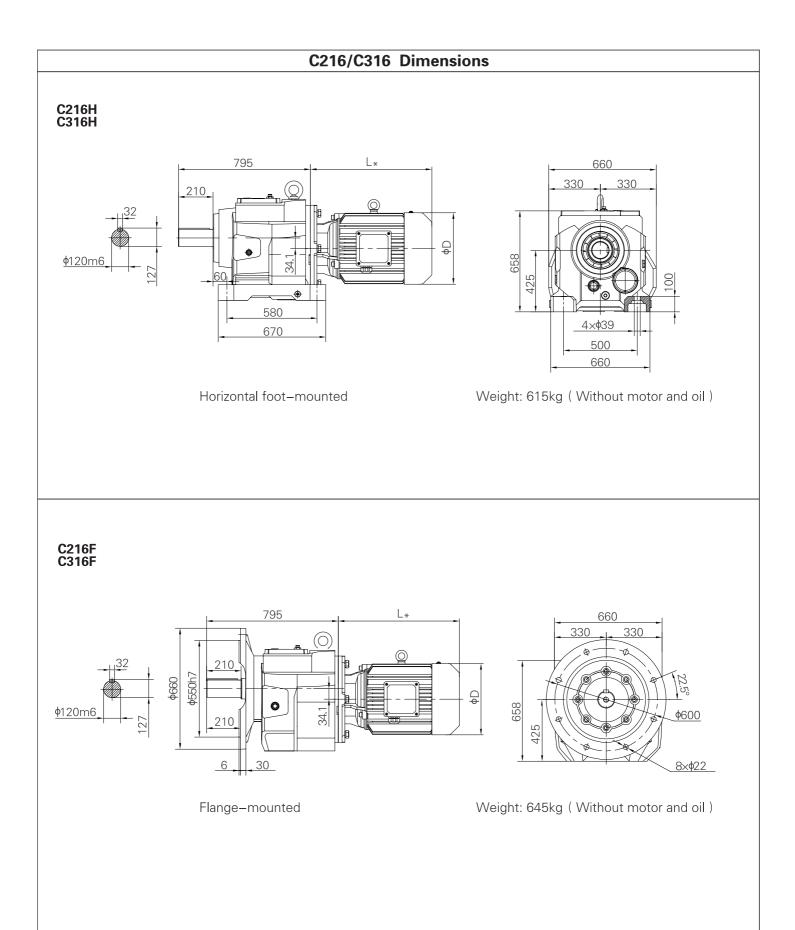


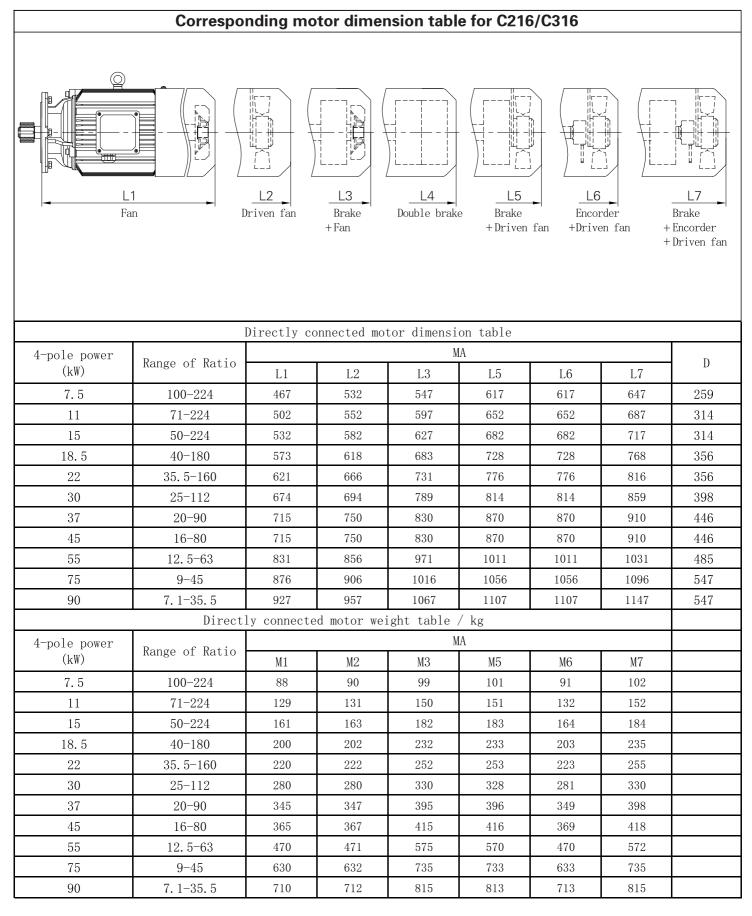














# 7 Input Flange and Input Shaft

7.1 C series dimensions of AP input flange

$ \begin{array}{c} \phi \\ M1 \\ \phi \\ W1 \\ \psi \\ $														
Size	Flange	Range of Ratio	e1	D1	N1	M1	P1	f1	b1	t1	L	S1	L2	Weight(kg)
C202	AP063	4-90	14	11H7	95H7	115	140	4	4	12.8	23	M8	59	4.8
C203 C303	AP071	4-90	14	14H7	110H7	130	160	4	5	16.3	30	M8	59	4.8
	AP080	4-71	18	19H7	130H7	165	200	4	6	21.8	40	M10	74	7.6
	AP063	4-125	14	11H7	95H7	115	140	4	4	12.8	23	M8	61	5.1
	AP071	4-125	14	14H7	110H7	130	160	4	5	16.3	30	M8	61	5.1
C204	AP080	4-100	18	19H7	130H7	165	200	4	6	21.8	40	M10	76	8.6
C304	AP090	4-50	18	24H7	130H7	165	200	4	8	27.3	50	M10	81	9.2
	AP100	4-25	28	28H7	180H7	215	250	5	8	31.3	60	M12	191	14.1
	AP112	4-11.2	28	28H7	180H7	215	250	5	8	31.3	60	M12	191	14.1
	AP063	4.5-140	14	11H7	95H7	115	140	4	4	12.8	23	M8	61	5.1
	AP071	4.5-140	14	14H7	110H7	130	160	4	5	16.3	30	M8	61	5.1
C205 C305	AP080	4.5-140	18	19H7	130H7	165	200	4	6	21.8	40	M10	76	8.6
0305	AP090	4.5-80	18	24H7	130H7	165	200	4	8	27.3	50	M10	81	9.2
	AP100	4.5-40	28 28	28H7 28H7	180H7 180H7	215 215	250 250	5 5	8 8	31.3	60 60	M12 M12	191	14.1
	AP112	4.5-22.4 4.5-160	28 14	28H7 11H7	95H7	115	250 140	э 4	8	31.3 12.8	23	M12 M8	191 61	14.1 5.1
F	AP063 AP071	4.5-160	14	14H7	95H7 110H7	115	140 160	4	4 5	12.8	23 30	M8	61	5.1
C206	AP071 AP080	4.5-160	14	19H7	130H7	165	200	4	6	21.8	40	M10	76	8.6
C208 C306	AP090	4.5-100	18	24H7	130H7	165	200	4	8	21.0 27.3	40 50	M10	81	9.2
	AP100	4.5-56	28	29H7	180H7	215	250	5	8	31.3	60	M10 M12	191	14.1
	AP112	4.5-31.5	28	28H7	180H7	215	250	5	8	31.3	60	M12	191	14.1
	AP071	4-180	14	14H7	110H7	130	160	4	5	16.3	30	M8	53	6.7
	AP080	4-180	18	19H7	130H7	165	200	4	6	21.8	40	M10	68	10.3
C207	AP090	4-100	18	24H7	130H7	165	200	4	8	27.3	50	M10	73	11.1
C307	AP100	4-71	28	28H7	180H7	215	250	5	8	31.3	60	M12	181	15.5
	AP112	4-40	28	28H7	180H7	215	250	5	8	31.3	60	M12	181	15.5
	AP132	4-28	28	38H7	230H7	265	300	5	10	41.3	80	M12	210	22.3
	AP080	20-200	18	19H7	130H7	165	200	4	6	21.8	40	M10	65	10.4
	AP090	4.5-200	18	24H7	130H7	165	200	4	8	27.3	50	M10	66	12.1
C000	AP100	4.5-125	28	28H7	180H7	215	250	5	8	31.3	60	M12	171	18.2
C208 C308	AP112	4.5-80	28	28H7	180H7	215	250	5	8	31.3	60	M12	171	18.2
0000	AP132	4.5-56	28	38H7	230H7	265	300	5	10	41.3	80	M12	203	24.9
	AP160	4.5-28	40	42H7	250H7	300	350	6	12	45.3	110	M16	272	46.4
	AP180	4.5-12.5	40	48H7	250H7	300	350	6	14	51.8	110	M16	272	46.4

¢M1	45°			đí s	3×S1×e1							f1	φN1 φP1	t1 5
Size	Flange	Range of Ratio	e1	D1	N1	M1	P1	f1	b1	t1	L	S1	L2	Weight(kg)
	AP090	4-224	18	24H7	130H7	165	200	4	8	27.3	50	M10	61	14.7
	AP100	4-224	28	28H7	180H7	215	250	5	8	31.3	60	M12	172	21.5
C209	AP112	4-125	28	28H7	180H7	215	250	5	8	31.3	60	M12	172	21.5
C209 C309	AP132	4-125	28	38H7	230H7	265	300	5	10	41.3	80	M12	202	28.3
0309	AP160	4-56	40	42H7	250H7	300	350	6	12	45.3	110	M16	270	49.9
	AP180	4-31.5	40	48H7	250H7	300	350	6	14	51.8	110	M16	270	49.9
	AP200	4-16	40	55H7	300H7	350	400	6	16	59.3	110	M16	327	72.8
	AP100	4-224	28	28H7	180H7	215	250	5	8	31.3	60	M12	162	25.6
	AP112	4-200	28	28H7	180H7	215	250	5	8	31.3	60	M12	162	25.6
C210	AP132	4-140	28	38H7	230H7	265	300	5	10	41.3	80	M12	189	33. 7
C310	AP160	4-71	40	42H7	250H7	300	350	6	12	45.3	110	M16	257	52.3
0010	AP180	4-45	40	48H7	250H7	300	350	6	14	51.8	110	M16	257	52.3
-	AP200	4-28	40	55H7	300H7	350	400	6	16	59.3	110	M16	327	77.4
	AP225	4-22.4	30	60H7	350H7	400	450	6	18	64.4	140	M16	354	85.1
	AP100	4.5-280	28	28H7	180H7	215	250	5	8	31.3	60	M12	162	25.6
-	AP112	4.5-280	28	28H7	180H7	215	250	5	8	31.3	60	M12	162	25.6
C212	AP132	4.5-140	28	38H7	230H7	265	300	5	10	41.3	80	M12	189	33.7
C312	AP160	4.5-100	40	42H7	250H7	300	350	6	12	45.3	110	M16	257	52.3
	AP180	4.5-63	40	48H7	250H7	300	350	6	14	51.8	110	M16	257	52.3
-	AP200	4.5-40	40	55H7	300H7	350	400	6	16	59.3	110	M16	327	77.4
	AP225	4.5-31.5	30	60H7	350H7	400	450	6 5	18	64.4	140	M16	354	85.1
-	AP132	4-125	28 40	38H7 42H7	230H7	265 300	300 350	5 6	10 12	41.3 45.3	80	M12 M16	175 243	46.4 66.9
C213	AP160 AP180	4-125 4-80	40	42H7 48H7	250H7 250H7	300	350	6	$\frac{12}{14}$	$\frac{40.3}{51.8}$	110 110	M16	243	66.9
C313	AP200	4-50	40	40117 55H7	300H7	350	400	6	14	59.3	110	M16	316	89.8
0010	AP225	4-40	30	60H7	350H7	400	450	6	18	64.4	140	M16	343	97.5
	AP250	4-20	32	65H7	450H7	500	550	7	18	69.4	140	M16	361	131.3
	AP132	4-200	28	38H7	230H7	265	300	5	10	41.3	80	M10	175	46.4
	AP160	4-200	40	42H7	250H7	300	350	6	12	45.3	110	M16	243	66.9
0014	AP180	4-140	40	48H7	250H7	300	350	6	14	51.8	110	M16	243	66.9
C214	AP200	4-80	40	55H7	300H7	350	400	6	16	59.3	110	M16	316	89.8
C314	AP225	4-71	30	60H7	350H7	400	450	6	18	64.4	140	M16	343	97.5
	AP250	4-45	32	65H7	450H7	500	550	7	18	69.4	140	M16	361	131.3
	AP280	4-31.5	32	75H7	450H7	500	550	7	20	79.9	140	M16	361	131.3
	AP160	18-224	40	42H7	250H7	300	350	6	12	45.3	110	M16	233	90.9
	AP180	18-180	40	48H7	250H7	300	350	6	14	51.8	110	M16	233	90.9
C216	AP200	4.5-112	40	55H7	300H7	350	400	6	16	59.3	110	M16	298	109.4
C210 C316	AP225	4.5-90	30	60H7	350H7	400	450	6	18	64.4	140	M16	325	117.1
0010	AP250	4.5-63	32	65H7	450H7	500	550	7	18	69.4	140	M16	343	147.8
	AP280	4.5-45	32	75H7	450H7	500	550	7	20	79.9	140	M16	343	147.8
	AP315	4.5-31.5	35	80H7	550H7	600	660	7	22	85.4	170	M20	447	262.5



#### 7.2 C series dimensions of AN input flange

				45. M 0M1 V 4XØ: Customer provisionin	<u>sı</u>								pl t		
		AN	N145~AN184		AN21	5~AN405									
Size	Flange	NEMA Motor Frame	Power (HP)	IEC Standard Power	c1	D1	N1	M1	P1	f1	b1	t1	L	S1	L2
C203	AN145	143TC 145TC		0.75/1.1 1.5	6	22. 225H7	114. 3H7	149.2	200	5	4.76	24.7	58.04	11	92
C303 C204	AN145	145TC 145TC 145TC	$\frac{2}{1/1.5}$	1.5 0.75/1.1 1.5	6	22. 225H7	114. 3H7	149.2	200	5	4.76	24.7	58.04	11	94
C304	AN184	182TC 184TC	3	2.2	8	28. 575H7	215. 9H7	184.2	250	8	6.35	31.7	73.03	13.5	220. 5
C205	AN145	143TC 145TC		$   \frac{4}{0.75/1.1}   1.5 $	6	22. 225H7	114.3H7	149.2	200	5	4.76	24.7	58.04	11	94
C305	AN184	143TC 182TC 184TC	3	1. 3 2. 2 4	8	28. 575H7	215.9H7	184.2	250	8	6.35	31.7	73.03	13.5	220.5
	AN145	143TC 145TC	$\frac{1}{1.5}$	$     \begin{array}{r}                                     $	6	22. 225H7	114.3H7	149.2	200	5	4.76	24.7	58.04	11	94
C206 C306	AN184	182TC 184TC	35	2.2	8	28.575H7	215.9H7	184.2	250	8	6.35	31.7	73.03	13.5	220.5
0.000	AN215	213TC 215TC	7.5 10	5.5 7.5	9	34.925H7	215.9H7	184.15	300	8	7.94	38.7	85.73	13.5	245
	AN145	143TC 145TC	$\frac{10}{1/1.5}$	0.75/1.1 1.5	6	22. 225H7	114.3H7	149.2	200	5	4.76	24.7	58.04	11	86
C207 C307	AN184	182TC 184TC	3	2.2	8	28. 575H7	215.9H7	184.2	250	8	6.35	31.7	73.03	13.5	210.5
0.001	AN215	213TC 215TC	7.5 10	5.5 7.5	9	34.925H7	215.9H7	184.15	300	8	7.94	38.7	85.73	13.5	235
	AN145	143TC 145TC	$\frac{1}{1/1.5}$	0.75/1.1 1.5	6	22. 225H7	114. 3H7	149.2	200	5	4.76	24.7	58.04	11	83
C208	AN184	182TC 184TC	3	2.2	8	28. 575H7	215.9H7	184.2	250	8	6.35	31.7	73.03	13.5	200. 5
C308	AN215	213TC 215TC	7.5 10	5.5	9	34.925H7	215.9H7	184.15	300	8	7.94	38.7	85.73	13.5	228
	AN256	254TC 256TC	15 20	11 15	9	41.275H7	215. 9H7	184.15	350	8	9. 53	45.8	101.6	13.5	297
	AN184	182TC 184TC	3	2.2	8	28. 575H7	215.9H7	184.2	250	8	6.35	31.7	73.03	13.5	201.5
C209	AN215	213TC 215TC	7.5 10	5.5	9	34.925H7	215.9H7	184.15	300	8	7.94	38.7	85.73	13.5	227
C309	AN256	254TC 256TC	15 20	11 15	9	41.275H7	215.9H7	184.15	350	8	9.53	45.8	101.6	13.5	296
	AN286	284TC 286TC	25 30	18.5 22	9	47.625H7	266.7H7	228.6	400	8	12.7	53.4	117.48	13.5	352
	AN184	182TC 184TC	3 5	2.2	8	28.575H7	215.9H7	184.2	250	8	6.35	31.7	73.03	13.5	191.5
	AN215	213TC 215TC	7.5 10	5.5	9	34. 925H7	215. 9H7	184.15	300	8	7.94	38.7	85.73	13.5	214
C210	AN256	254TC 256TC	15 20	11 15	9	41.275H7	215.9H7	184.15	350	8	9.53	45.8	101.6	13.5	283
C310	AN286	284TC 286TC	25 30	18.5 22	9	47.625H7	266.7H7	228.6	400	8	12.7	53.4	117.48	13.5	252
	AN326	324TC 326TC	40 50	30 37	9.5	53.975H7	317.5H7	279.4	450	8	12.7	60	133.35	17.5	384
	AN365	364TC 365TC	60 75	45 55	24.5	60.325H7	317.5H7	279.4	450	8	15.88	67.6	149.23	17.5	399

				45. ∞. øM	_	I							-		
		Æ	N145~AN18	Customer provisioni	- (11	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Customer provisioning			<b> −</b> +					
Size	Flange	NEMA Motor Frame	Power (HP)	IEC Standard Power (KW)	c1	D1	N1	M1	P1	f1	b1	t1	L	S1	L2
	AN184	182TC 184TC	3 5	2.2	8	28.575H7	215.9H7	184.2	250	8	6.35	31.7	73.03	13.5	191.5
	AN215	213TC 215TC	7.5 10	5.5 7.5	9	34.925H7	215.9H7	184.15	300	8	7.94	38.7	85.73	13.5	214
C919	AN256	254TC 256TC	15 20	11 15	9	41.275H7	215.9H7	184.15	350	8	9.53	45.8	101.6	13.5	283
C212 C312	AN286	284TC	25	18.5	9	47.625H7	266. 7H7	228.6	400	8	12.7	53.4	117.48	13.5	252
	AN326	286TC 324TC	30 40	22 30	9.5	53.975H7		279.4	450	8	12.7	60	133.35	17.5	384
	AN365	326TC 364TC	50 60	37 45		60. 325H7		279.4	450	8	15. 88				399
		365TC 213TC	75 7.5	55 5.5	24.5							67.6	149.23	17.5	
	AN215	215TC 254TC	10 15	7.5 11	9	34. 925H7	215.9H7	184.15	300	8	7.94	38.7	85.73	13.5	200
	AN256	256TC	20	15	9	41.275H7	215.9H7	184.15	350	8	9.53	45.8	101.6	13.5	269
C213 C313	AN286	284TC 286TC	25 30	18.5 22	9	47.625H7	266.7H7	228.6	400	8	12.7	53.4	117.48	13.5	341
0010	AN326	324TC 326TC	40 50	30 37	9.5	53.975H7	317.5H7	279.4	450	8	12.7	60	133.35	17.5	373
	AN365	364TC 365TC	60 75	45 55	24.5	60.325H7	317.5H7	279.4	450	8	15.88	67.6	149.23	17.5	388
	AN405	405TC	100	75	64.5	73.025H7	317.5H7	279.4	450	8	19.05	81.9	184.15	17.5	433
	AN215	213TC 215TC	7.5 10	5.5 7.5	9	34.925H7	215.9H7	184.15	300	8	7.94	38.7	85.73	13.5	200
	AN256	254TC	15	11	9	41.275H7	215.9H7	184.15	350	8	9.53	45.8	101.6	13.5	269
C214	AN286	256TC 284TC	20 25	15 18.5	9	47.625H7		228.6	400	8	12.7	53.4	117.48	13.5	341
C314 C314		286TC 324TC	30 40	22 30											
	AN326	326TC	50	37	9.5	53.975H7	317.5H7	279.4	450	8	12.7	60	133.35	17.5	373
	AN365	364TC 365TC	60 75	45 55	24.5	60. 325H7	317.5H7	279.4	450	8	15.88	67.6	149.23	17.5	388
	AN405	405TC	100	75	64.5	73.025H7	317.5H7	279.4	450	8	19.05	81.9	184.15	17.5	433
	AN256	254TC 256TC	15 20	11 15	9	41.275H7	215. 9H7	184.15	350	8	9.53	45.8	101.6	13.5	259
	AN286	284TC 286TC	25	18.5	9	47.625H7	266.7H7	228.6	400	8	12.7	53.4	117.48	13.5	323
C216 C316	AN326	324TC	30 40	22 30	9.5	53.975H7		279.4	450	8	12.7	60	133.35	17.5	355
0010		326TC 364TC	50 60	37 45		60. 325H7									
	AN365 AN405	365TC 405TC	75 100	55 75	24.5 64.5	60. 325H7 73. 025H7		279.4 279.4	450 450	8	15.88 19.05	67.6 81.9	149.23 184.15	17.5	370 415
	-AN400	40310	100	10	-04.0	1.5. 02507	317.007	213.4	400	0	19.00	01.9	104.10	17.0	410



#### 7.3 C series dimensions of AE input shaft

							p1		
Size	Input Shaft	Range of Power	Range of Ratio	d1	E1	L1	b1	t1	Weight(kg)
C203	AE200	0.12-0.75kW	4-90	19k6	40	117	6	21.5	2.5
C303 C204	AE200	0.12-0.75kW	4-125	19k6	40	119	6	21.5	3.4
C304	AE300	1. 1-4kW	4-35.5	28k6	40 60	175	8	31	6.1
C205	AE200	0. 12–0. 75kW	4. 5-140	19k6	40	119	6	21.5	3.4
C305	AE300	1.1-4kW	4.5-56	28k6	60	175	8	31	6.1
C206	AE200	0.12-0.75kW	4.5-160	19k6	40	119	6	21.5	3.4
C306	AE300	1.1-4kW	4.5-71	28k6	60	175	8	31	6.1
C207	AE200	0.12-0.75kW	4-180	19k6	40	111	6	21.5	4.9
C307	AE300	1.1-4kW	4-90	28k6	60	165	8	31	7.5
	AE400	5.5-7.5kW	4-18	38k6	80	211	10	41	10.5
C200	AE200	0. 12-0. 75kW	20-200	19k6	40	108	6	21.5	7.2
C208	AE300	1.1-4kW	4.5-160	28k6	60	155	8	31	10.2
C308	AE400 AE500	5.5-11kW 15-22kW	<u>4.5-45</u> <u>4.5-18</u>	38k6 42k6	80 110	204 266	10 12	41 45	13.1 23.3
	AE300	1.1-4kW	4. 5-18	42k0 28k6	60	156	8	45 31	10.2
C209	AE300	5.5-11kW	4-71	38k6	80	203	10	41	13.1
C309	AE500	15-22kW	4-40	42k6	110	265	12	45	23. 3
0000	AE600	30-45KW	4-16	48k6	110	309	14	51.5	40.9
	AE300	1.1-4kW	4-224	28k6	60	146	8	31	17.6
C210	AE400	5.5-11kW	4-100	38k6	80	190	10	41	21.9
C310	AE500	15-22kW	4-56	42k6	110	252	12	45	29.2
	AE600	30-45KW	4-28	48k6	110	309	14	51.5	45.5
	AE300	1.1−4k₩	4.5-280	28k6	60	146	8	31	17.6
C212	AE400	5.5-11kW	4.5-140	38k6	80	190	10	41	21.9
C312	AE500	15-22kW	4.5-71	42k6	110	252	12	45	29.2
	AE600	30-45KW	4.5-40	48k6	110	309	14	51.5	45.5
	AE400	5.5-11kW	4-125	38k6	80	176	10	41	34.6
C213	AE500 AE600	15-22kW 30-45KW	4-100 4-50	42k6 48k6	110 110	238 298	12 14	45 51.5	43.8 57.9
C313	AE700	30-45KW 55-90KW	4-50	48K6 55m6	110	298 297	14	51.5 59	64.6
	AE700 AE800	110-132KW	4-11.2	70m6	140	377	20	74.5	87.8
	AE400	5.5-11kW	4-200	38k6	80	176	10	41	34.6
0014	AE500	15-22kW	4-160	42k6	110	238	12	45	43.8
C214	AE600	30-45KW	4-80	48k6	110	298	14	51.5	57.9
C314	AE700	55-90KW	4-45	55m6	110	297	16	59	64.6
	AE800	110-200KW	4-18	70m6	140	377	20	74.5	87.8
	AE500	15-22KW	18-224	42k6	110	228	12	45	67.8
C216	AE600	30-45KW	4.5-112	48k6	110	280	14	51.5	77.5
C316	AE700	55-90KW	4.5-63	55m6	110	279	16	59	81.1
	AE800	110-200KW	4.5-31.5	70m6	140	361	20	74.5	104.8



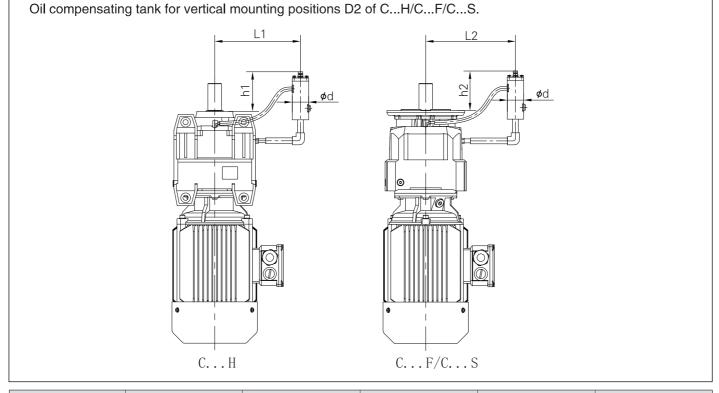
### 8 Combi-type Dimensions

Туре	C203/C201 C203/C301 C303/C201 C303/C301	C204/C203 C204/C303 C304/C203 C304/C303	C205/C203 C205/C303 C305/C203 C305/C303	C206/C203 C206/C303 C306/C203 C306/C303	C207/C203 C207/C303 C307/C203 C307/C303	C208/C205 C208/C305 C308/C205 C308/C305	C209/C205 C209/C305 C309/C205 C309/C305						
L	134	170	170	170	162	182	183						
Range of Motor Power(kW)	0.12-0.37	0.12-0.55	0.12-1.1	0.12-1.1	0.12-1.5	0.12-3	0.12-4						
Туре	C210/C207 C210/C307 C310/C207 C310/C307	C213/C207 C213/C307 C313/C207 C313/C307	C314/C207 C314/C307	C214/C208 C214/C308	C316/C209 C316/C309	C216/C210 C216/C310							
L	226	226	226	258	321	361							
Range of Motor Power (kW)	0.12-7.5	0.12-15	0.12-15	0.55-22	0.55-18.5	1.5-37							



### 9 Accessories and Specific Configuration

9.1 Oil compensating tank (code 6)



Size	L1	L2	h1	h2	d
C203 C303	150	150	80	70	42
C204 C304	160	160	80	80	42
C205 C305	160	160	80	80	42
C206 C306	180	180	75	75	42
C207 C307	225	225	150	150	80
C208 C308	250	250	130	130	80
C209 C309	330	330	120	120	80
C210 C310	370	370	160	160	120
C212 C312	380	380	170	170	120
C213 C313	390	390	160	160	120
C214 C314	440	440	130	130	120
C216 C316	470	470	140	140	120

Note: In case of an upward output shaft ,normal lubrication system would fail to feed the overhead rolling bearings,To ensure an adequate supply of lubricants,the oil level has to be increased accordingly.As shown above (D2) ,an oil compensating tank with breather is attached for this purpose.

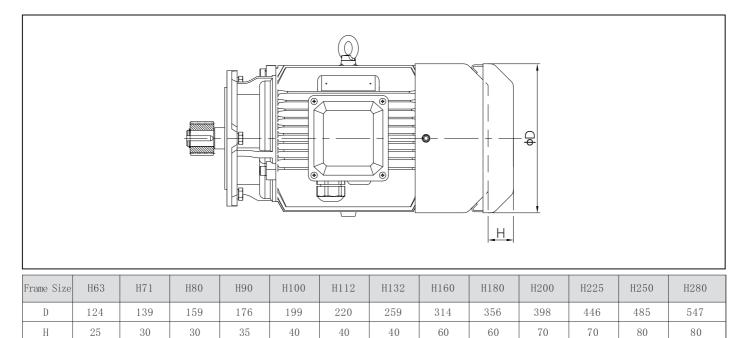


# 10 oil

Mounting position Size	D1	D2	D3	D4	D5	D6	Mounting position Size	D1/D3 D5/D6	D2	D4
С200Н С300Н	0.2	0.2	0.2	0.3	0.2	0.2	C200F/C200S C300F/C300S	0.2	0.2	0.3
C201H C301H	0.4	0.4	0.4	0.5	0.4	0.4	C201F/C201S C301F/C301S	0.4	0.4	0.5
С203Н С303Н	0.4	1	1.1	1.2	0.9	1.1	C203F/C203S C303F/C303S	0.5	1	1.2
C204H C304H	0.8	1.7	1.6	1.8	1.6	1.6	C204F/C204S C304F/C304S	0.8	1.7	1.8
С205Н С305Н	0.9	1.9	1.8	2.1	1.8	1.8	C205F/C205S C305F/C305S	0.9	1.9	1.9
С206Н С306Н	1.3	2.8	3.1	3.5	2	2.2	C206F/C206S C306F/C306S	1.4	2.9	3.3
С207Н С307Н	1.4	4.1	3.8	4.9	2.7	4.1	C207F/C207S C307F/C307S	1.4	3.9	4.3
C208H C308H	2.6	7.1	7.5	8.1	6.6	7.2	C208F/C208S C308F/C308S	2.7	7.1	7.9
С209Н С309Н	4.9	12.1	12.1	13.8	11.7	12.5	C209F/C209S C309F/C309S	5.4	12.2	14
С210Н С310Н	6.5	16.8	17.4	19.7	13.7	17.1	C210F/C210S C310F/C310S	6.8	16.4	19.7
C212H C312H	7.8	20.2	20.9	23.6	16.4	20. 5	C212F/C212S C312F/C312S	8.2	19.7	23.6
C213H C313H	11	29	30.5	32.5	26	26	C213F/C213S C313F/C313S	10.5	28	33
C214H C314H	16	47.5	49	53	40.5	42	C214F/C214S C314F/C314S	17	48	53
С216Н С316Н	28	84	80	90	68	71	C216F/C216S C316F/C316S	28	84	90

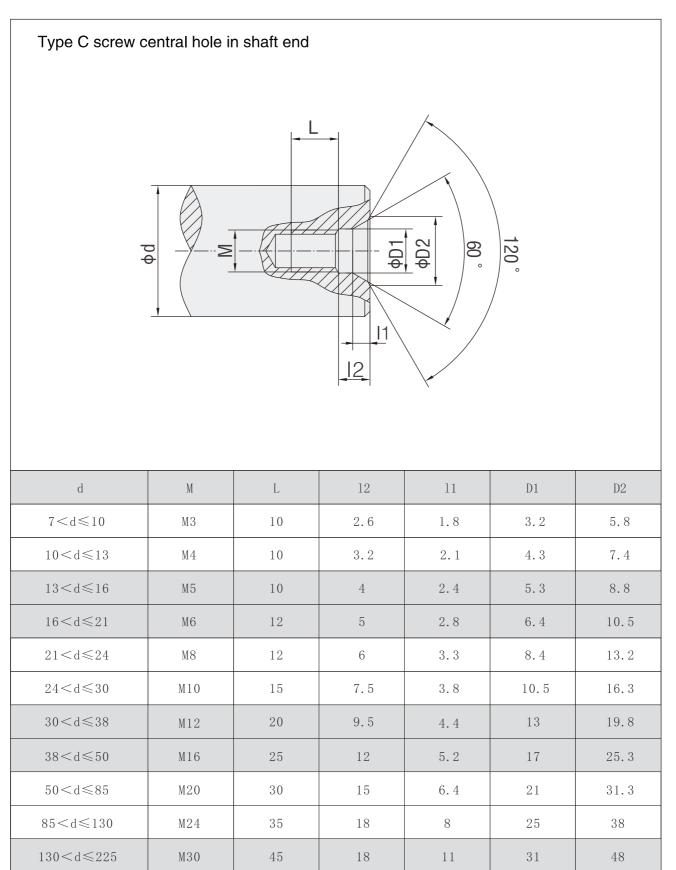


### **11 Motor Rainproof Cover Dimensions**



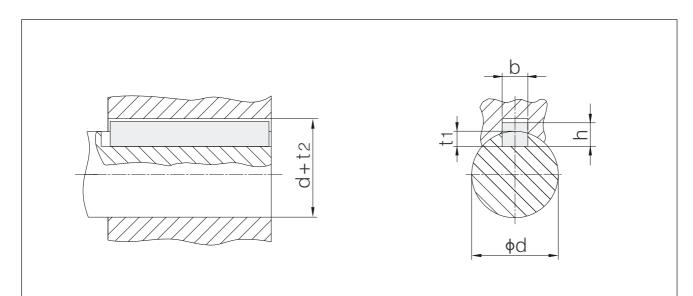


### 12 Shaft End Centre Hole





# 13 Dimension of Parallel Key and Keyway



d	b	h	t1	d+t2
8 <d≤10< td=""><td>3</td><td>3</td><td>1.8</td><td>d+1.4</td></d≤10<>	3	3	1.8	d+1.4
10 <d≤12< td=""><td>4</td><td>4</td><td>2.5</td><td>d+1.8</td></d≤12<>	4	4	2.5	d+1.8
12 <d≤17< td=""><td>5</td><td>5</td><td>3</td><td>d+2.3</td></d≤17<>	5	5	3	d+2.3
17 <d≤22< td=""><td>6</td><td>6</td><td>3.5</td><td>d+2.8</td></d≤22<>	6	6	3.5	d+2.8
22 <d≤30< td=""><td>8</td><td>7</td><td>4</td><td>d+3.3</td></d≤30<>	8	7	4	d+3.3
30 <d≤38< td=""><td>10</td><td>8</td><td>5</td><td>d+3.3</td></d≤38<>	10	8	5	d+3.3
38 <d≪44< td=""><td>12</td><td>8</td><td>5</td><td>d+3.3</td></d≪44<>	12	8	5	d+3.3
44 <d≪50< td=""><td>14</td><td>9</td><td>5.5</td><td>d+3.8</td></d≪50<>	14	9	5.5	d+3.8
50 <d≪58< td=""><td>16</td><td>10</td><td>6</td><td>d+4.3</td></d≪58<>	16	10	6	d+4.3
58 <d≪65< td=""><td>18</td><td>11</td><td>7</td><td>d+4.4</td></d≪65<>	18	11	7	d+4.4
65 <d≤75< td=""><td>20</td><td>12</td><td>7.5</td><td>d+4.9</td></d≤75<>	20	12	7.5	d+4.9
75 <d≤85< td=""><td>22</td><td>14</td><td>9</td><td>d+5.4</td></d≤85<>	22	14	9	d+5.4
85 <d≤95< td=""><td>25</td><td>14</td><td>9</td><td>d+5.4</td></d≤95<>	25	14	9	d+5.4
$95 \! < \! d \! \leqslant \! 110$	28	16	10	d+6.4
110 <d≤130< td=""><td>32</td><td>18</td><td>11</td><td>d+7.4</td></d≤130<>	32	18	11	d+7.4
130 <d≤150< td=""><td>36</td><td>20</td><td>12</td><td>d+8.4</td></d≤150<>	36	20	12	d+8.4
150 <d≤170< td=""><td>40</td><td>22</td><td>13</td><td>d+9.4</td></d≤170<>	40	22	13	d+9.4
170 <d≤200< td=""><td>45</td><td>25</td><td>15</td><td>d+10.4</td></d≤200<>	45	25	15	d+10.4
200 <d≤230< td=""><td>50</td><td>28</td><td>17</td><td>d+11.4</td></d≤230<>	50	28	17	d+11.4
230 <d≤260< td=""><td>56</td><td>32</td><td>20</td><td>d+12.4</td></d≤260<>	56	32	20	d+12.4

**C** Helical Gearmotor



BONENG