



HELICAL+WORM GEAR REDUCERS



INSTALLATION DIMENSION ARE CONSISTENT WITH GERMAN MODEL







COMPANY PROFILE

1. IN 1960 Mr. Mao Cheng Chen, president of the company, and two other colleagues in the department of Mechanical Engineering of the Tainan Engineering College (predecessor of Cheng Kung University) established a company called " Chen Ta Machinery Works ". It was named " Chen Ta " in remembrance of, and also giving acknowledgement to, their alma meter, Cheng Kung University (called Chen Ta in short) from where Mr. Chen and his colleagues had received their specialized mechanical education.
2. Chen Ta Machinery Works specialized in machining jobs such as grinding/re-building of the crankshafts of automobile and vessel engines, cylinder overhaul, and diesel engine adjustment. Back then, she was the best of her field in southern Taiwan. Due to the excellent technique and the cordial service, the company name was soon well know and the business became prosperous.
3. In 1971, to support a long-term operation, the company needed her own product, so the technique cooperation between CHENTA and Japan reducer manufacturer began. From then on, CHENTA started manufacturing her own brand, "CHENTA GEAR REDUCERS". Now the company has about 90 employees, and her products have been marketing to the world under the name of "CHENTA". The major markets are in Taiwan, Asia, and America. In Taiwan, she remains at the top of the field and also established branch offices in America and in Shanghai (in China).
4. Since the beginning of the company, our conviction is to "Gather excellent human resource, and research and manufactured high quality products". Our product policy is targeting at "Guaranteed Quality", "On Time Delivery", "Competitive Prices", "Rational Production", and "International Marketing".
5. With more than 40 years of experience in mechanical manufacturing and honest operation, a fine culture has naturally grown inside the cooperation. This spirit is the most precious resources of our company. The motto of our company is based on "INNOVATION", "HONESTY", "DILIGENCE", and "EFFICIENCY".
6. Influenced gradually under such fine culture, all employees in CHENTA work hard and take responsibility. they cooperate with each other and innovate actively. With their efforts, CHENTA keep developing and growing up to fight for the mutual benefit.
7. To reach our long term operation goal, based on the company's existing cultural resources, we will: have high expertise in the field; serve our customers with respect; constantly improve ourselves; manufactured high quality and affordable speed reducers for customers throughout the world, all so that we can grow together with our customers.

COMPANY PROFILE

Company Name : CHENTA PRECISION MACHINERY IND. INC.

Established : 1971

Employee : 90 persons

Plant Sizes : Jen Wu Plant 7000m²

Shanghai Plant 6800m²

Numbering System

Helical Worm Gear G	Model M	Input Type F	Size 047	Ratio 010	Flange Frame QQ	Voltage	HZ	Pole
N - SOLID OUTPUT FLANGE H - HOLLOW OUTPUT M - HOLLOW OUTPUT FLANGE		IEC B5 Input Flange IEC B5 IEC B14 Input Flange IEC B14 NEMA Input Flange NEMA Input Solid Shaft Couple with Motor	047 - 47 057 - 57 067 - 67 077 - 77 087 - 87	010 - 1/10 015 - 1/15 020 - 1/20 025 - 1/25 030 - 1/30 035 - 1/35 040 - 1/40 045 - 1/45 050 - 1/50 055 - 1/55 060 - 1/60 065 - 1/65 070 - 1/70 080 - 1/80 090 - 1/90 100 - 1/100 110 - 1/110 120 - 1/120	IEC standard : 4 - POLE QQ - 1/4 HP $\varnothing$ 11 HH - 1/2HP $\varnothing$ 14 01 - 1HP $\varnothing$ 19 02 - 2HP $\varnothing$ 24 03 - 3HP $\varnothing$ 28 05 - 5HP $\varnothing$ 28 07 - 7.5HP $\varnothing$ 38 10 - 10HP $\varnothing$ 38 15 - 15HP $\varnothing$ 42 20 - 20HP $\varnothing$ 42 NEMA standard 01 - 56C 02 - 143T 04 - 182/184T 06 - 213/215 T 08 - 254/256T	2 - 220/380 4 - 240/415 5 - 220/440 A - 220/230 B - 220/240 C - 220/400 D - 230/400 E - 230/440 F - 230/480 G - 120/208 H - 200/346 K - 208/220 M - 208/240 N - 380/660	5 - 50HZ 6 - 60HZ	2 - 2P 4 - 4P 6 - 6P 8 - 8P



p.5

GNF
SOLID OUTPUT FLANGE



p.8

GHM
HOLLOW OUTPUT
COUPLE WITH MOTOR



p.6

GNM
SOLID OUTPUT FLANGE
COUPLE WITH MOTOR



p.9

GMF
HOLLOW OUTPUT FLANGE



p.7

GHF
HOLLOW OUTPUT

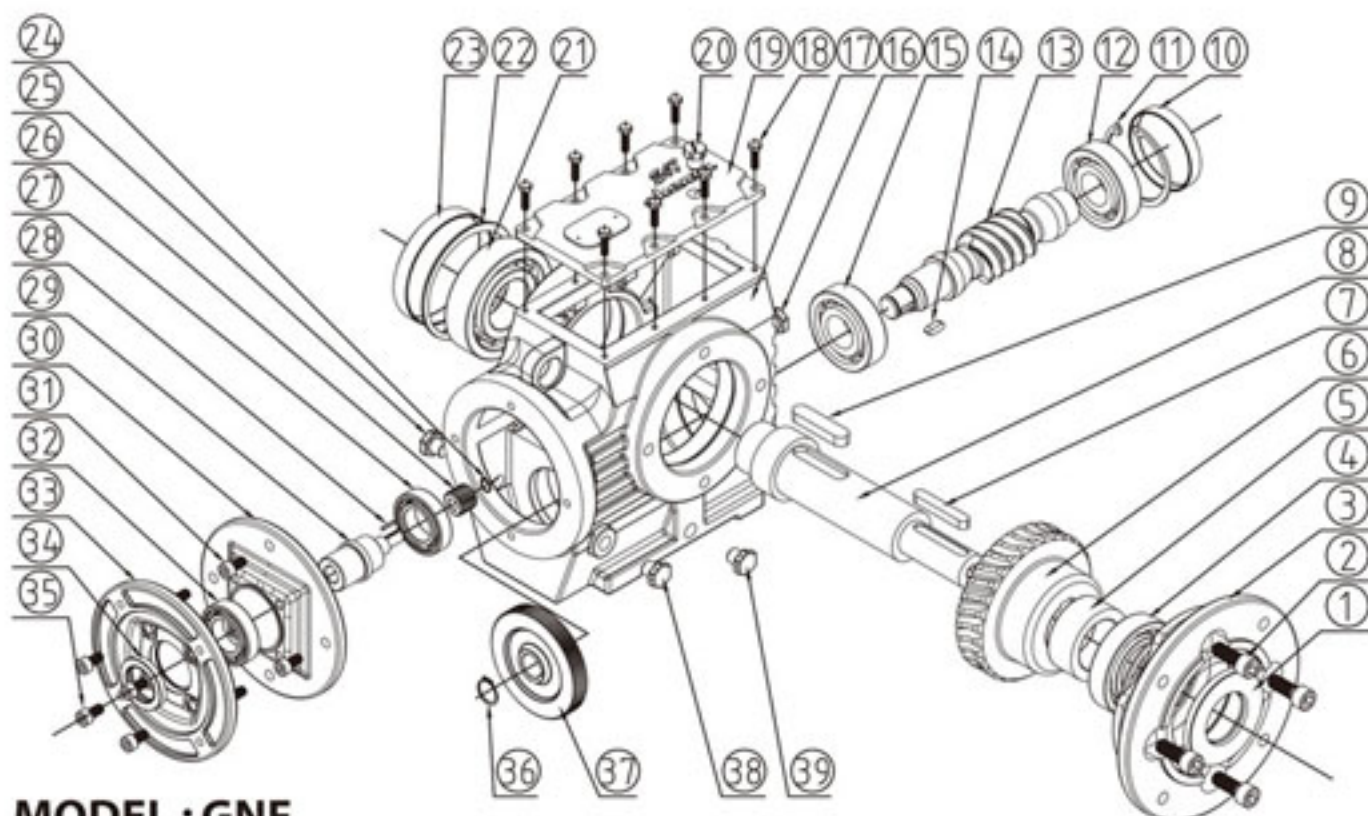


p.10

GMM
HOLLOW OUTPUT FLANGE
COUPLE WITH MOTOR

* Please specify Voltage, Hz, Pole, Phase, IP grade, Brake require or not if type of Couple with Motor needed.

Basic Structure



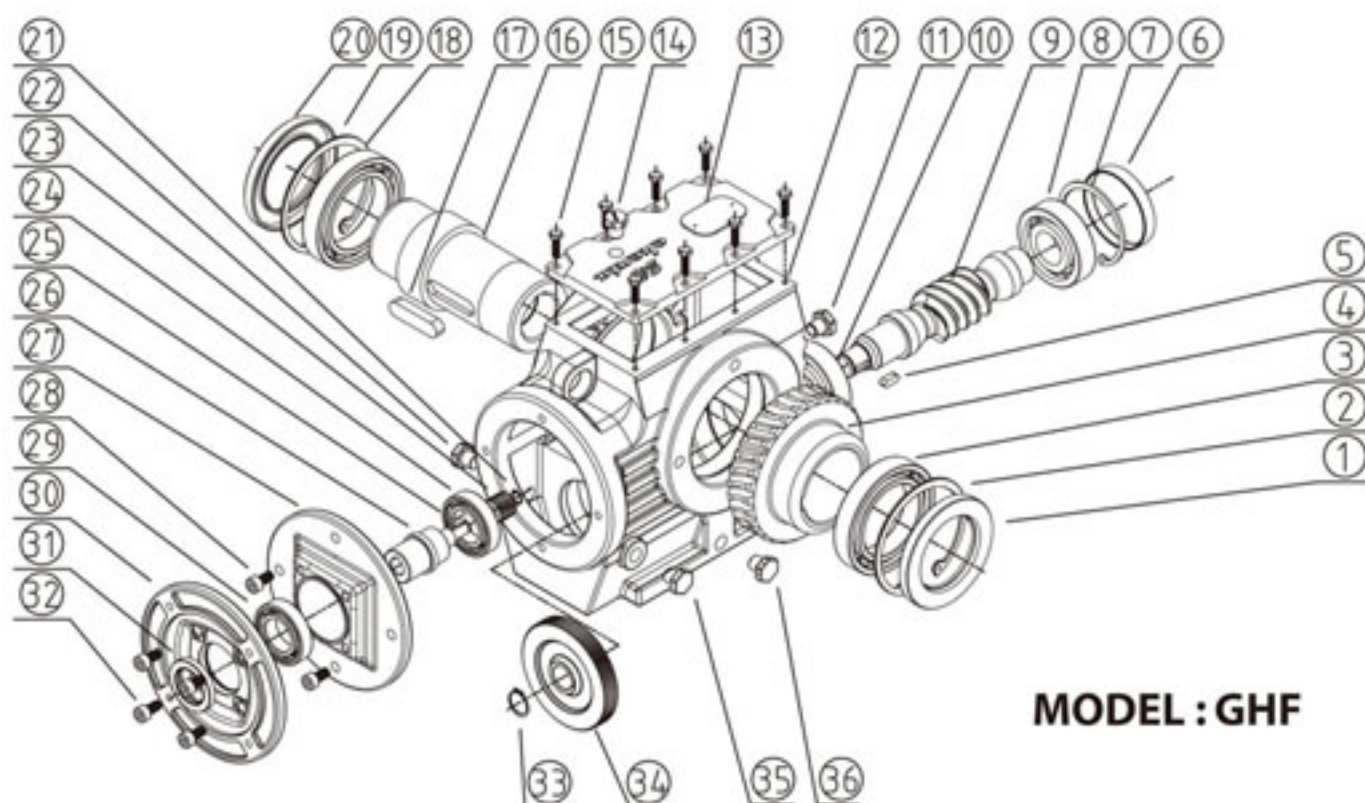
MODEL : GNF

ITEM	PARTS NAME	QTY	ITEM	PARTS NAME	QTY	ITEM	PARTS NAME	QTY	ITEM	PARTS NAME	QTY
1	oil seal	1	11	snap ring	1	21	beating	1	31	bolt	4
2	bolt	4	12	bearing	1	22	snap ring	1	32	bearing	1
3	output flange	1	13	worm shaft	1	23	oil seal	1	33	input flange	1
4	bearing	1	14	key	1	24	snap ring	1	34	oil seal	1
5	spacer	1	15	beating	1	25	breather cap	1	35	bolt	4
6	worm gear	1	16	oil gauge	1	26	gear	1	36	snap ring	1
7	key	1	17	housing	1	27	beating	1	37	bearing	1
8	output shaft	1	18	bolt	6	28	key	1	38	breather cap	1
9	key	1	19	top cover	1	29	input shaft	1	39	breather cap	2
10	oil seal	1	20	breather cap	1	30	input cover	6	40		

MATERIAL GLANCE :

1. HOUSING, COVER, FLANGE / FC 20
2. INPUT SHAFT, OUTPUT SHAFT / SCM 440
3. GEAT, WORM SHAFT / SCM 415
4. WORM GEAR / FCD 45 ALBC 3

Basic Structure



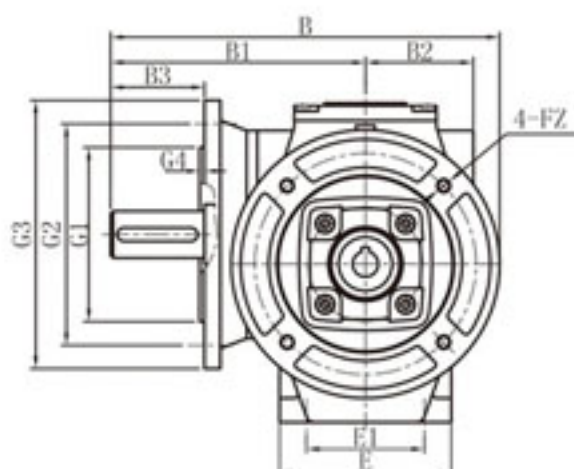
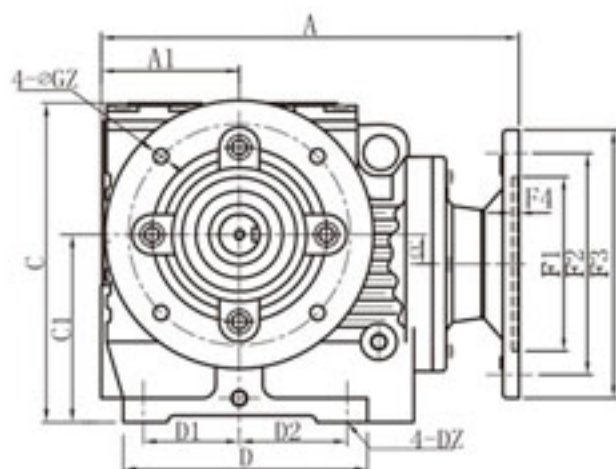
MODEL : GHF

ITEM	PARTS NAME	QTY	ITEM	PARTS NAME	QTY	ITEM	PARTS NAME	QTY	ITEM	PARTS NAME	QTY
1	oil seal	1	11	oil gauge	1	21	oil gauge	1	31	oil gauge	1
2	snap ring	1	12	housing	1	22	breather cap	1	32	bolt	4
3	bearing	1	13	top cover	1	23	gear	1	33	snap ring	1
4	worm gear	1	14	breather cap	1	24	bearing	1	34	gear	1
5	key	1	15	bolt	6	25	key	1	35	breather cap	1
6	oil seal	1	16	output shaft	1	26	input shaft	1	36	breather cap	2
7	snap ring	1	17	key	1	27	input cover	1	37		
8	bearing	1	18	bearing	1	28	bolt	1	38		
9	worm shaft	1	19	snap ring	1	29	bearing	1	39		
10	bearing	1	20	oil seal	1	30	input flange	1	40		

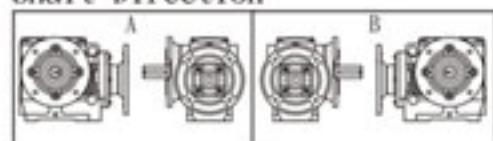
MATERIAL GLANCE :

1. HOUSING, COVER, FLANGE / FC 20
2. INPUT SHAFT, OUTPUT SHAFT / SCM 440
3. GEAT, WORM SHAFT / SCM 415
4. WORM GEAR / FCD 45 ALBC 3

MODEL / GNF



Shaft Direction



OUTPUT-SHAFT VIEW

GNF	A1	B	B1	B2	B3	C	C1	CC	D	D1	D2	E	E1	DZ	GZ	OIL(L)
47	80	191	133.5	57.5	50	178.5	100	10	128	35	52	95	60	M10*20L	9	0.38
57	100	232	160	72	60	187	112	23.7	146	58.5	58.5	100	60	M10*20L	11	0.55
67	103	270.5	190	80.5	70	238	140	22	182	71.5	80.5	128	88	M12*25L	11	1.1
77	125	341	240	101	90	301	180	33	200	85	85	154	102	M16*32L	14	2.0
87	175	410	290	120	120	367	225	47	265	115	110	194	118	M20*40L	18	3.5

GNF	OUTPUT FLANGE				OUTPUT SHAFT					
	G1	G2	G3	G4	Ø S	S1	S2	X	W	SZ
47	110	130	160	3.5	25K6	50	40	28	8	M10*20L
57	130	165	200	3.5	30K6	60	50	33	8	M10*20L
67	130	165	200	3.5	35K6	70	60	38	10	M12*24L
77	180	215	250	4	45K6	90	80	48.5	14	M16*32L
87	250	300	350	5	60K6	120	110	64	18	M20*40L



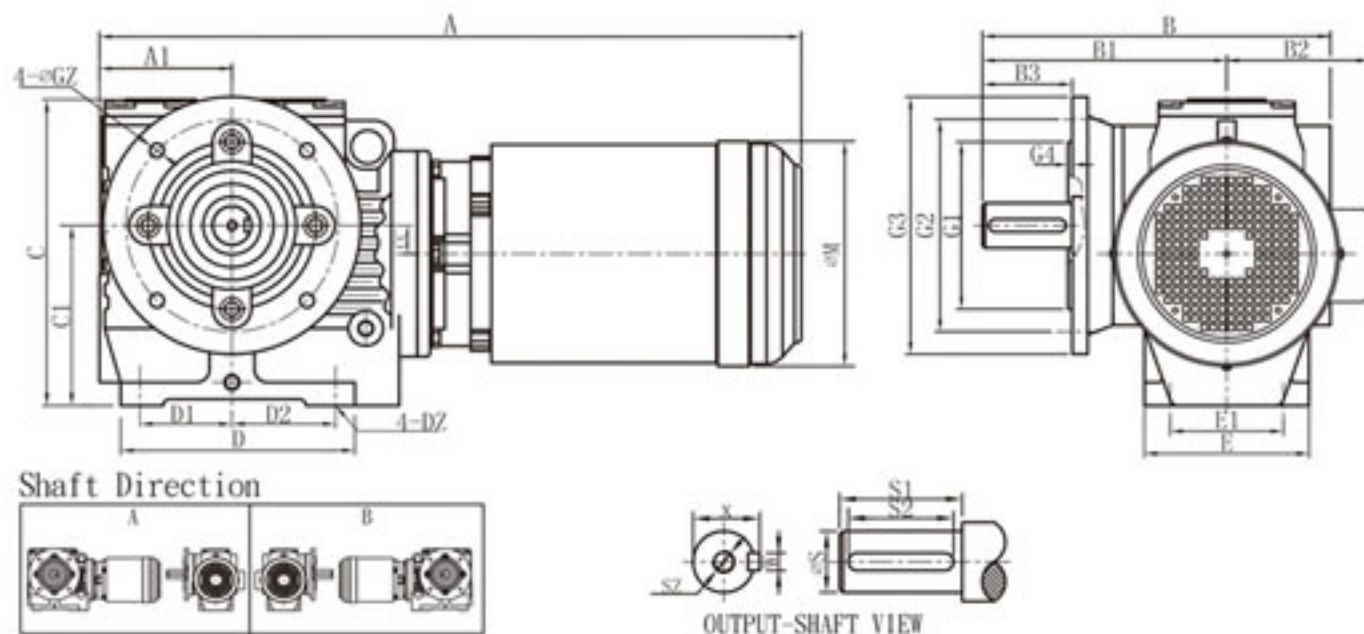
INPUT-BORE VIEW

GNF	INPUT FLANGE					
47	HP	1/4	1/2	1	2	
	A	235	235	253	253	
57	HP	1/4	1/2	1	2	
	A	265	265	283	283	
67	HP	1/2	1	2	3	5
	A	295.5	311.5	311.5	330	330
77	HP	1	2	3	5	7.5
	A	352.5	352.5	369	369	417.5
87	HP	2	3	5	7.5	10
	A	426.5	443	443	491.5	527.5

INPUT BORE				INPUT FLANGE				
HP	ØU	V	T	F1	F2	F3	F4	FZ
1/4	11	12.8	4	95	115	140	4	M8
1/2	14	16.3	5	110	130	160	4	M8
1	19	21.8	6	130	165	200	5	M10
2	24	27.3	8	130	165	200	5	M10
3	28	31.3	8	180	215	250	5	M12
5	28	31.3	8	180	215	250	5	M12
7.5	38	41.3	10	230	265	300	6	M12
10	38	41.3	10	230	265	300	6	M12
15	42	45.3	10	250	300	350	6	M16



MODEL / GNM



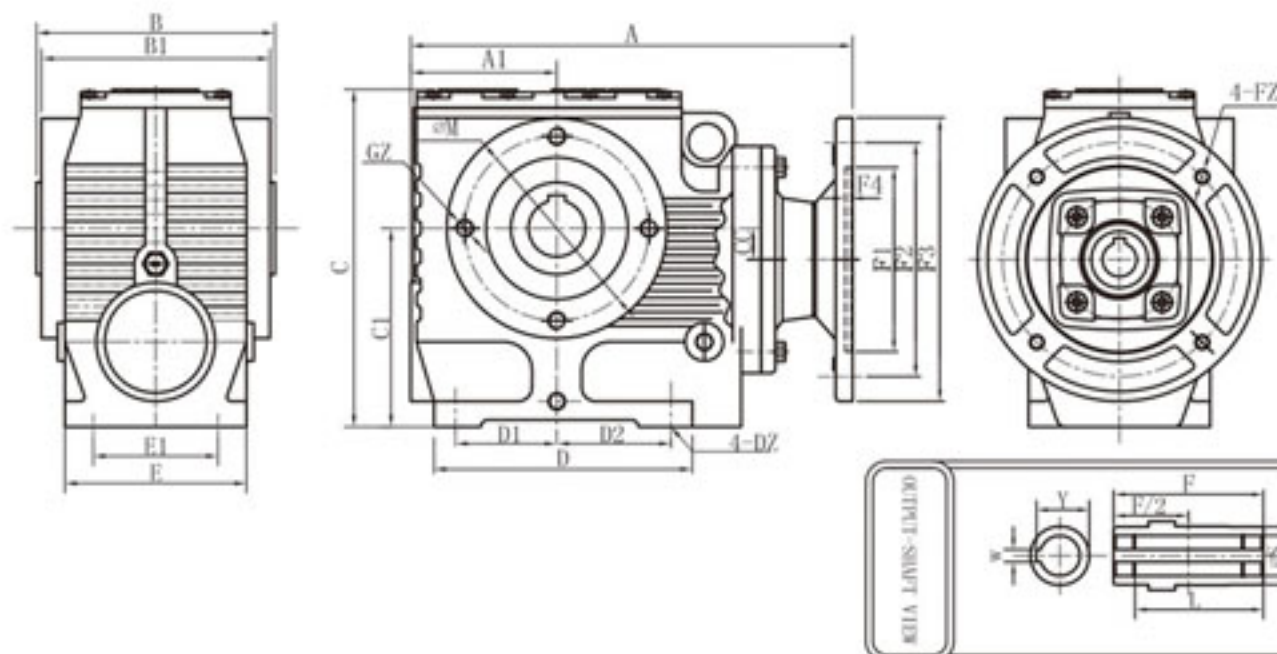
GNM	A1	B	B1	B3	C	C1	CC	D	D1	D2	E	E1	DZ	GZ	OIL(L)
47	80	191	133.5	50	178.5	100	10	128	35	52	95	60	M10*20L	9	0.38
57	100	232	160	60	187	112	23.7	146	58.5	58.5	100	60	M10*20L	11	0.55
67	103	270.5	190	70	238	140	22	182	71.5	80.5	128	88	M12*25L	11	1.1
77	125	341	240	90	301	180	33	200	85	85	154	102	M16*32L	14	2.0
87	175	410	290	120	367	225	47	265	115	110	194	118	M20*40L	18	3.5

GNM	OUTPUT FLANGE				OUTPUT SHAFT					
	G1	G2	G3	G4	∅ S	S1	S2	X	W	SZ
47	110	130	160	3.5	25K6	50	40	28	8	M10*20L
57	130	165	200	3.5	30K6	60	50	33	8	M10*20L
67	130	165	200	3.5	35K6	70	60	38	10	M12*24L
77	180	215	250	4	45K6	90	80	48.5	14	M16*32L
87	250	300	350	5	60K6	120	110	64	18	M20*40L

GNM	INPUT MOTOR						
47	HP	1/4	1/2	1	2		
	A	392	418	442	485		
57	HP	1/4	1/2	1	2		
	A	422	448	472	515		
67	HP	1/2	1	2	3	5	
	A	479	503	543	585	634	
77	HP	1	2	3	5	7.5	10
	A	542	584	624	673	717	755
87	HP	3	5	7.5	10	15	
	A	698	747	792	830	898	

MOTOR DIMENSION		
HP	∅M	B2
1/4	112	116
1/2	132	106
1	156	132
2	175	142
3	192	160
5	219	173
7.5	268	222
10	268	222
15	334	248

MODEL / GHF



GHF	A1	B	B1	C	C1	CC	D	D1	D2	E	E1	F	ØM	DZ	GZ	OIL(L)
47	71	120	115	178.5	100	10	128	35	52	95	60	120	115	M10*20L	4-M8*15L	0.4
57	80	150	144	187	112	23.7	146	58.5	58.5	100	60	150	100	M10*20L	8-M8*15L	0.55
67	103	168	161	238	140	22	182	71.5	80.5	128	88	168	130	M12*25L	4-M12*20L	1.1
77	118.5	210	202	301	180	33	200	85	85	154	102	210	180	M16*32L	8-M12*20L	2.0
87	150	250	240	367	225	47	265	115	110	194	118	250	155	M20*40L	8-M16*32L	4.0

GHF	OUTPUT SHAFT				
	Ø S	Ø Q	L	Y	W
47	25	45	105	28.3	8
	30			33.3	
57	30	50	132	33.3	8
	35			38.3	
67	40	65	144	43.3	12
	45			48.3	
77	50	80	180	53.8	14
	60			64.4	
87	60	95	220	64.4	18
	70			74.9	



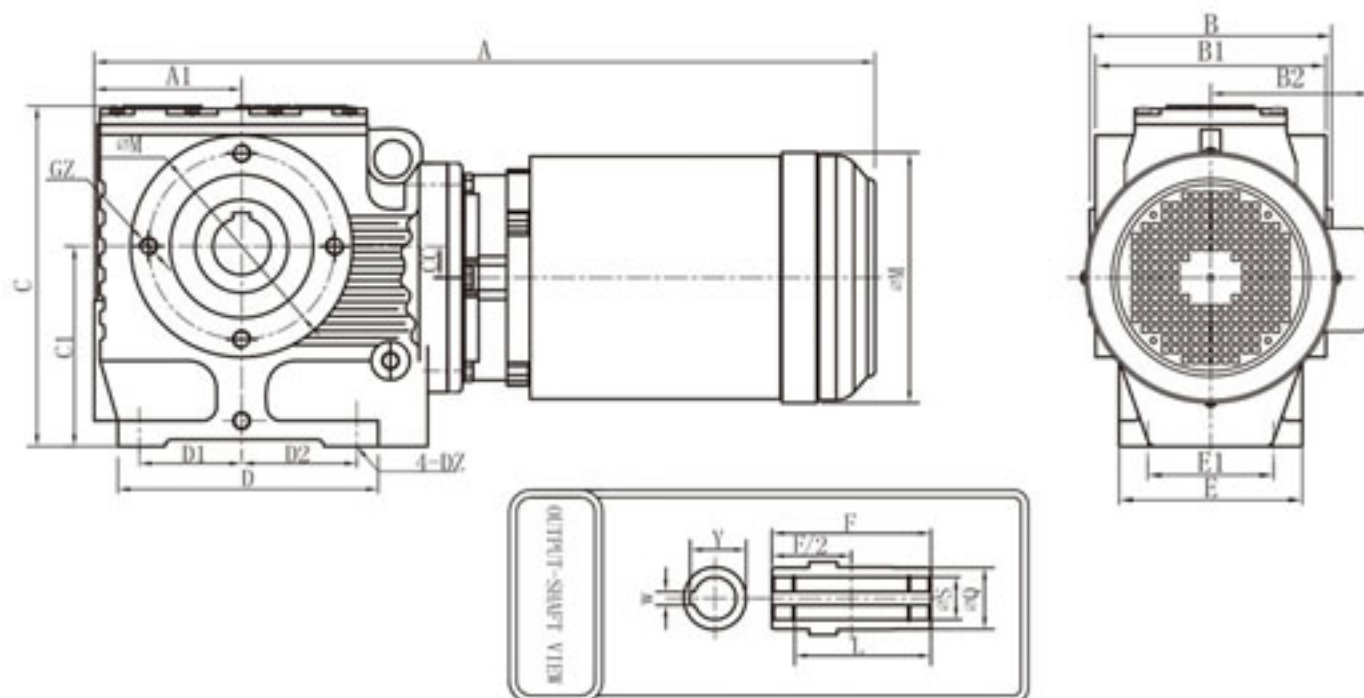
INPUT-BORE VIEW

GHF	INPUT FLANGE					
47	HP	1/4	1/2	1	2	
	A	226	226	244	244	
57	HP	1/4	1/2	1	2	
	A	245	245	263	263	
67	HP	1/2	1	2	3	5
	A	295.5	311.5	311.5	330	330
77	HP	1	2	3	5	7.5
	A	346	346	362.5	362.5	411
87	HP	2	3	5	7.5	15
	A	401.5	418	418	466.5	502.5

INPUT BORE				INPUT FLANGE				
HP	U	V	T	F1	F2	F3	F4	FZ
1/4	11	12.8	4	95	115	140	4	M8
1/2	14	16.3	5	110	130	160	4	M8
1	19	21.8	6	130	165	200	5	M10
2	24	27.3	8	130	165	200	5	M10
3	28	31.3	8	180	215	250	5	M12
5	28	31.3	8	180	215	250	5	M12
7.5	38	41.3	10	230	265	300	6	M12
10	38	41.3	10	230	265	300	6	M12
15	42	45.3	10	250	300	350	6	M16



MODEL / GHM



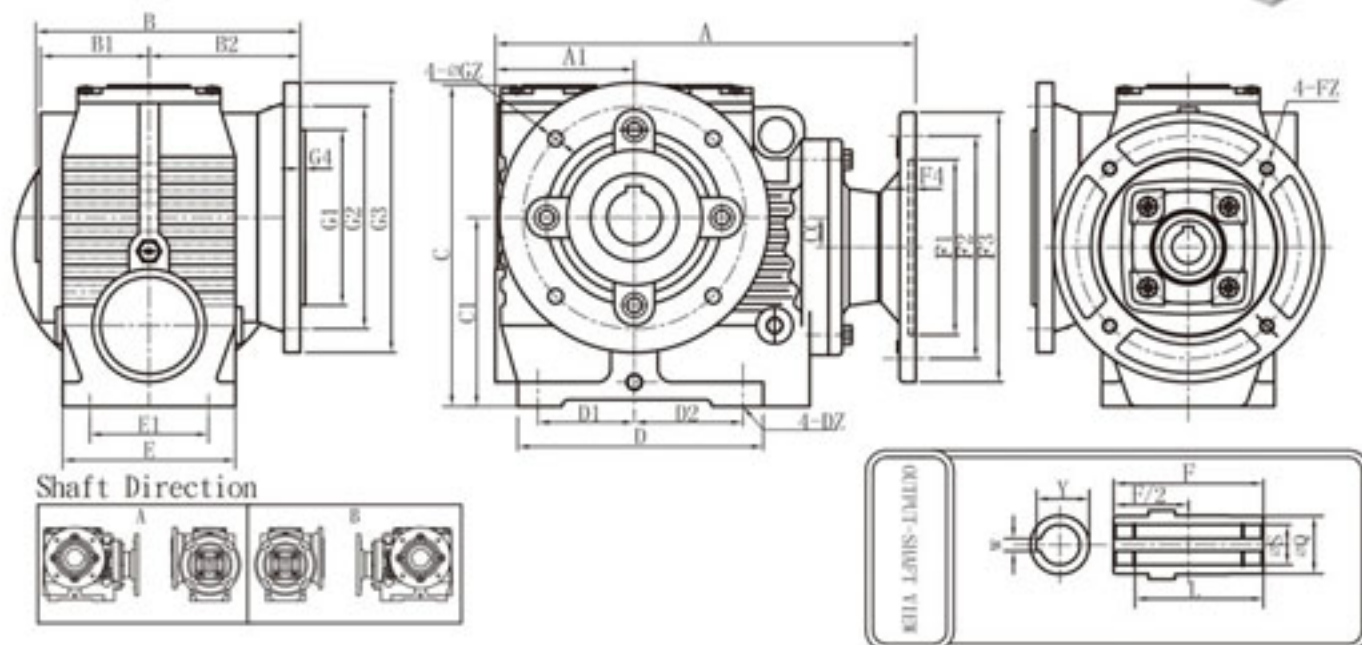
GHM	A1	B	B1	C	C1	CC	D	D1	D2	E	E1	F	ØM	DZ	GZ	OIL(L)
47	71	120	115	178.5	100	10	128	35	52	95	60	120	115	M10*20L	4-M8*15L	0.4
57	80	150	144	187	112	23.7	146	58.5	58.5	100	60	150	100	M10*20L	8-M8*15L	0.55
67	103	168	161	238	140	22	182	71.5	80.5	128	88	168	130	M12*25L	4-M12*20L	1.1
77	118.5	210	202	301	180	33	200	85	85	154	102	210	180	M16*32L	8-M12*20L	2.0
87	150	250	240	367	225	47	265	115	110	194	118	250	155	M20*40L	8-M16*32L	4.0

GHM	OUTPUT SHAFT				
	ØS	ØQ	L	Y	W
47	25	45	105	28.3	8
	30			33.3	
57	30	50	132	33.3	8
	35			38.3	
67	40	65	144	43.3	12
	45			48.8	
77	50	80	180	53.8	14
	60			64.4	
87	60	95	220	64.4	18
	70			74.9	

GHM	INPUT MOTOR					
	HP	1/4	1/2	1	2	
47	A	392	418	442	485	
	HP	1/4	1/2	1	2	
57	A	422	448	472	515	
	HP	1/2	1	2	3	5
67	A	479	503	545	585	634
	HP	1	2	3	5	7.5
77	A	535	578	618	667	711
	HP	3	5	7.5	10	15
87	A	673	722	767	805	874
	HP	3	5	7.5	10	15

MOTOR DIMENSION		
HP	ØM	B2
1/4	112	116
1/2	132	106
1	156	132
2	175	142
3	192	160
5	219	173
7.5	268	222
10	268	222
15	334	248

MODEL / GMF



GMF	A1	B	B1	B2	C	C1	CC	D	D1	D2	E	E1	F	DZ	GZ	OIL(L)
47	80	141.5	57.5	84	178.5	100	10	128	35	52	95	60	120	M10*20L	9	0.38
57	100	175	72	100	187	112	23.7	146	58.5	58.5	100	60	150	M10*20L	11	0.55
67	103	196	80.5	112	238	140	22	182	71.5	80.5	128	88	168	M12*25L	11	1.1
77	125	255	101	150.5	301	180	33	200	85	85	154	102	210	M16*32L	14	2.0
87	175	302.5	120	177.5	367	225	47	265	115	110	194	118	250	M20*40L	18	3.5

GMF	OUTPUT SHAFT					OUTPUT FLANGE			
	Ø S	Ø Q	L	Y	W	G1	G2	G3	G4
47	25	45	105	28.3	8	110	130	160	3.5
	30			33.3					
57	30	50	132	33.3	8	130	165	200	3.5
	35			38.3					
67	40	65	144	43.3	12	130	165	200	3.5
	45			48.8					
77	50	80	180	53.8	14	180	215	250	4
	60			64.4					
87	60	95	220	64.4	18	250	300	350	5
	70			74.9					



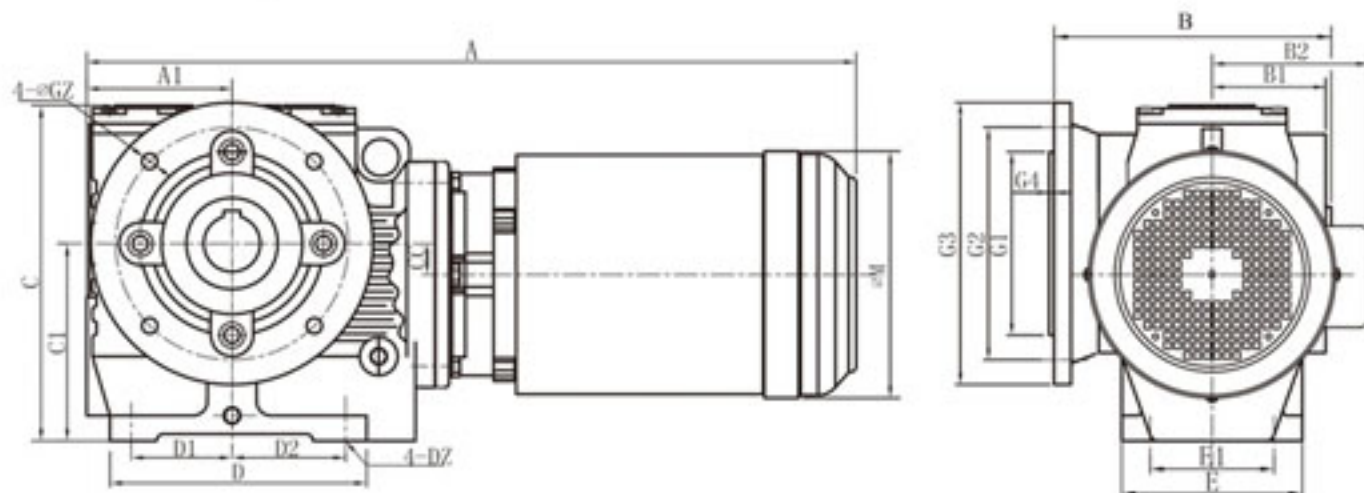
INPUT-BORE VIEW

GMF	INPUT FLANGE					
47	HP	1/4	1/2	1	2	
	A	235	235	253	253	
57	HP	1/4	1/2	1	2	
	A	265	265	283	283	
67	HP	1/2	1	2	3	5
	A	295.5	311.5	311.5	330	330
77	HP	1	2	3	5	7.5
	A	352.5	352.5	369	369	417.5
87	HP	2	3	5	7.5	10
	A	426.5	443	443	491.5	527.5

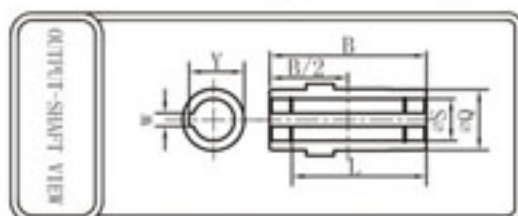
INPUT BORE				INPUT FLANGE				
HP	U	V	T	F1	F2	F3	F4	FZ
1/4	11	12.8	4	95	115	140	4	M8
1/2	14	16.3	5	110	130	160	4	M8
1	19	21.8	6	130	165	200	5	M10
2	24	27.3	8	130	165	200	5	M10
3	28	31.3	8	180	215	250	5	M12
5	28	31.3	8	180	215	250	5	M12
7.5	38	41.3	10	230	265	300	6	M12
10	38	41.3	10	230	265	300	6	M12
15	42	45.3	10	250	300	350	6	M16



MODEL / GMM



Shaft Direction



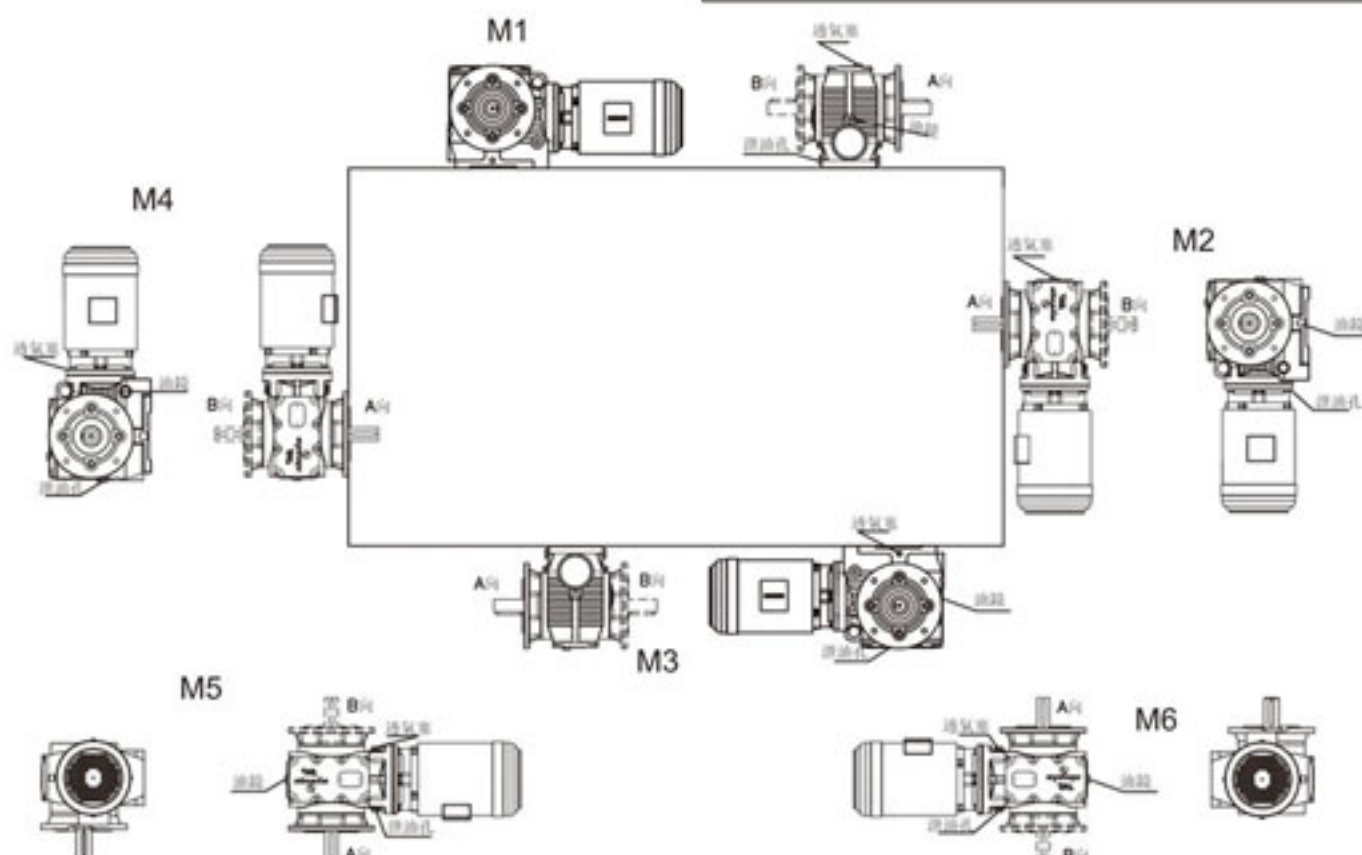
GMM	A1	B	B1	C	C1	CC	D	D1	D2	E	E1	DZ	GZ	OIL(L)
47	80	142	57.5	178.5	100	10	128	35	52	95	60	M10*20L	9	0.38
57	100	166	72	187	112	23.7	146	58.5	58.5	100	60	M10*20L	11	0.55
67	103	196	80.5	238	140	22	182	71.5	80.5	128	88	M12*25L	11	1.1
77	125	255	101	301	180	33	200	85	85	154	102	M16*32L	14	2.0
87	175	312.5	125	367	225	47	265	115	110	194	118	M20*40L	18	3.5

GMM	OUTPUT SHAFT					OUTPUT FLANGE			
	ØS	ØQ	L	Y	W	G1	G2	G3	G4
47	25	45	105	28.3	8	110	130	160	3.5
	30			33.3					
57	30	50	132	33.3	8	130	165	200	3.5
	35			38.3					
67	40	65	144	43.3	12	130	165	200	3.5
	45			48.8					
77	50	80	180	53.8	14	180	215	250	4
	60			64.4					
87	60	95	220	64.4	18	250	300	350	5
	70			74.9					

GMM	INPUT MOTOR					
47	HP	1/4	1/2	1	2	
	A	392	418	442	485	
57	HP	1/4	1/2	1	2	
	A	422	448	472	515	
67	HP	1/2	1	2	3	5
	A	479	503	545	585	634
77	HP	1	2	3	5	7.5
	A	542	584	624	673	717
87	HP	3	5	7.5	10	15
	A	698	747	792	830	898

MOTOR DIMENSION		
HP	ØM	B2
1/4	112	116
1/2	132	106
1	156	132
2	175	142
3	192	160
5	219	173
7.5	268	222
10	268	222
15	334	248

Mounting Position

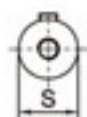


NOTE : Please specify if position is required. (Special Lubrication design on bearings)

Tolerance & Lubricant Selection

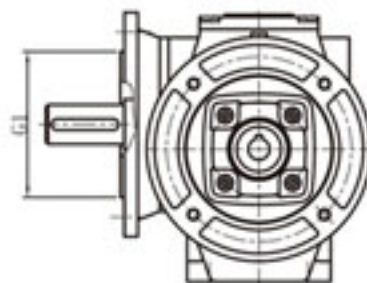


INPUT-BORE VIEW



OUTPUT-SHAFT VIEW

OUTPUT & INPUT SHAFT		
DIAMETER	in	mm
> 14-18	+0.012 -0.005	+0.018 -0.007
> 18-30	+0.015 -0.007	+0.020 -0.008
> 30-50	+0.018 -0.007	+0.025 -0.009
> 50-80	+0.020 -0.007	+0.030 -0.011
> 80-120	+0.025 -0.007	+0.035 -0.013



OUTPUT & INPUT SHAFT	
DIAMETER S1	h7
> 80-120	0
> 120-180	-0.035
> 180-250	-0.04
> 250-315	-0.046
> 315-400	-0.052
> 400-500	-0.057
> 500-630	-0.063

Selection Table of Lubricant
600RPM Standard Load, Input 600 RPM or more

Temperatur C°)	CPC	ISO VG	Mobil	Shell
-30 ~ -15	HD 100	VG 100	Mobilgear 627	Omala 100
-15 ~ -3	HD 150	VG 150	Mobilgear 629	Omala 150
-3 ~ 23	HD 220	VG 220	Mobilgear 630	Omala 220
23 ~ 40	HD 320	VG 320	Mobilgear 632	Omala 320
40 ~ 80	HD 460	VG 460	Mobilgear 634	Omala 460

600RPM Heavy Load, Input 600 RPM or more

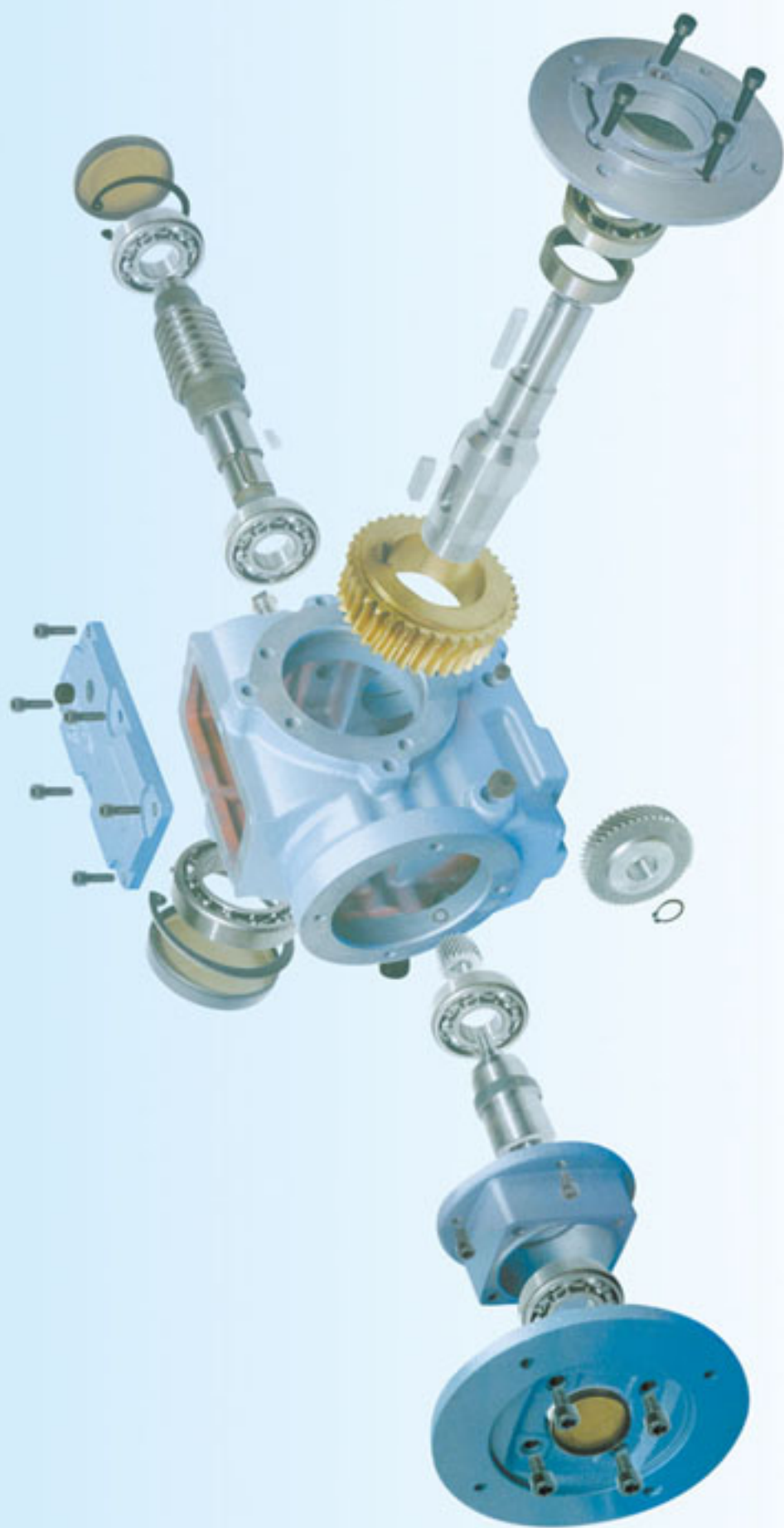
Temperatur C°)	CPC	ISO VG	Mobil	Shell
-30 ~ -15	HD 150	VG 150	Mobilgear 629	Omala 150
-15 ~ -3	HD 220	VG 220	Mobilgear 630	Omala 220
-3 ~ 23	HD 320	VG 320	Mobilgear 632	Omala 320
23 ~ 40	HD 460	VG 460	Mobilgear 634	Omala 460
40 ~ 80	HD 680	VG 680	Mobilgear 636	Omala 680

WORM GEAR MODEL INPUT HORSE POWER & OUTPUT TORQUE RATINGS

Applies for continuous service free from recurrent shock loading and does not exceed 10 hours per day.

SIZE : 47				SIZE : 57				SIZE : 67			
Actual ratio	1450 Input rpm		Input kw	Actual ratio	1450 Input rpm		Input kw	Actual ratio	1450 Input rpm		Input kw
	Output rpm	Output Torque kgm			Output rpm	Output Torque			Output rpm	Output Torque kgm	
201.47	7.20	16.18	0.23	201.47	7.20	27.28	0.32	207.9	6.97	48.3	0.55
175.4	8.26	14.7	0.24	175.4	8.26	26.72	0.36	190.1	7.62	48.3	0.6
158	9.18	14.34	0.26	158	9.18	26.07	0.39	168	8.63	47.63	0.67
142.8	10.15	13.96	0.28	142.8	10.15	25.98	0.43	148	9.79	47.6	0.76
112.7	12.86	13.77	0.35	112.7	12.86	25.75	0.54	121.3	11.96	47.2	0.92
93.55	15.5	13.72	0.42	93.55	15.5	25.33	0.64	114.3	12.68	46.91	0.97
84	17.26	13.49	0.46	84	17.26	25.23	0.74	98.7	14.69	45.94	1.1
71.75	20.21	13.53	0.54	71.75	20.21	25.02	0.83	78	18.58	44.56	1.35
60.83	23.83	13.38	0.63	60.83	23.83	24.71	0.96	67.85	21.37	43.07	1.5
60.56	23.94	13.36	0.45	60.56	23.94	23.49	0.77	65.63	22.1	41.88	1.25
54.55	26.58	13.30	0.49	54.55	26.58	22.81	0.83	58	25	41.45	1.4
49.3	29.41	13.05	0.54	49.3	29.41	22.35	0.90	51.1	28.37	41.21	1.58
38.92	37.25	12.97	0.68	38.92	37.25	21.58	1.1	39.47	36.73	40.3	2
32.3	44.89	12.82	0.81	32.3	44.89	21.15	1.3	34.08	42.54	40.01	2.3
29	50	12.79	0.90	29	50	20.45	1.4	26.93	53.84	38.49	2.8
24.77	58.53	12.14	1.00	24.77	58.53	18.09	1.45	23.42	61.91	37.06	3.1
21	69.04	11.32	1.10	21	69.04	17.45	1.65	20.3	71.42	36.27	3.5
20.69	70.8	11.20	0.96	20.69	70.8	15.17	1.3	22	65.9	28.89	2.3
18.7	77.54	10.55	1.00	18.7	77.54	15.3	1.45	15.89	91.25	28.12	3.1
14.76	98.23	10.0	1.20	14.76	98.23	14.57	1.75	14.97	96.86	28.2	3.3
12.25	118.3	9.67	1.40	12.25	118.3	13.82	2	12.93	112.14	28.05	3.8*
11	131.8	9.93	1.6*	11	131.8	13.65	2.2*	10.21	142.02	27.98	4.8*
9.39	154.4	9.53	1.8*	9.39	154.4	13.24	2.5*	8.88	163.2	26.88	5.3*
7.97	181.9	9.44	2.1*	7.97	181.9	12.14	2.7*	7.7	188.3	25.50	5.8*

SIZE : 77				SIZE : 87			
Actual ratio	1450 Input rpm		Input kw	Actual ratio	1450 Input rpm		Input kw
	Output rpm	Output Torque kgm			Output rpm	Output Torque	
189.5	7.65	109.2	1.3	174.5	8.309	201.66	2.53
182	7.96	108.9	1.4	151.7	9.55	194.02	2.8
167.6	8.65	108.4	1.5	116.9	12.4	192.23	3.6
130	11.15	103.7	1.8	99.26	14.6	176.82	3.9
106.7	13.59	94.60	2.0	86.67	16.73	162.31	4.1
95	15.26	92.65	2.2	81.6	17.76	160.27	4.3
85.22	17.01	90.67	2.4	64	22.65	149.09	5.1
78.46	18.48	90.43	2.6	55.27	26.23	137.22	4.8
66.67	21.74	88.67	3.0	48.03	30.19	134.15	5.4
55.87	25.95	87.21	2.8	37.03	39.15	134.07	7.0
43.33	33.46	86.96	3.6	31.43	46.13	133.3	8.2
35.56	40.77	89.21	4.5	27.44	52.84	131	9.3
31.67	45.78	88.28	5.0	25.84	56.11	131	9.8
28.41	51.03	87.11	5.5	20.07	71.53	130	12.4
26.15	55.45	86.01	5.9	21.23	68.29	105.46	8.7
22.22	65.25	85.48	6.9	16.37	88.57	104.68	11.2
23.47	61.78	75.92	5.6	13.9	104.31	103.97	13.1
18.2	79.67	72.54	6.9	12.13	119.53	100.42	14.5
14.93	97.12	69.86	8.1*	11.42	126.97	97.8	15
13.3	131.58	66.07	8.6*	8.96	161.83	86.96	17
11.93	146.69	65.47	9.5*				
10.98	159.38	64.06	10.1*				
9.33	155.35	62	11.5*				





CHENTA GEAR SPEED REDUCER

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