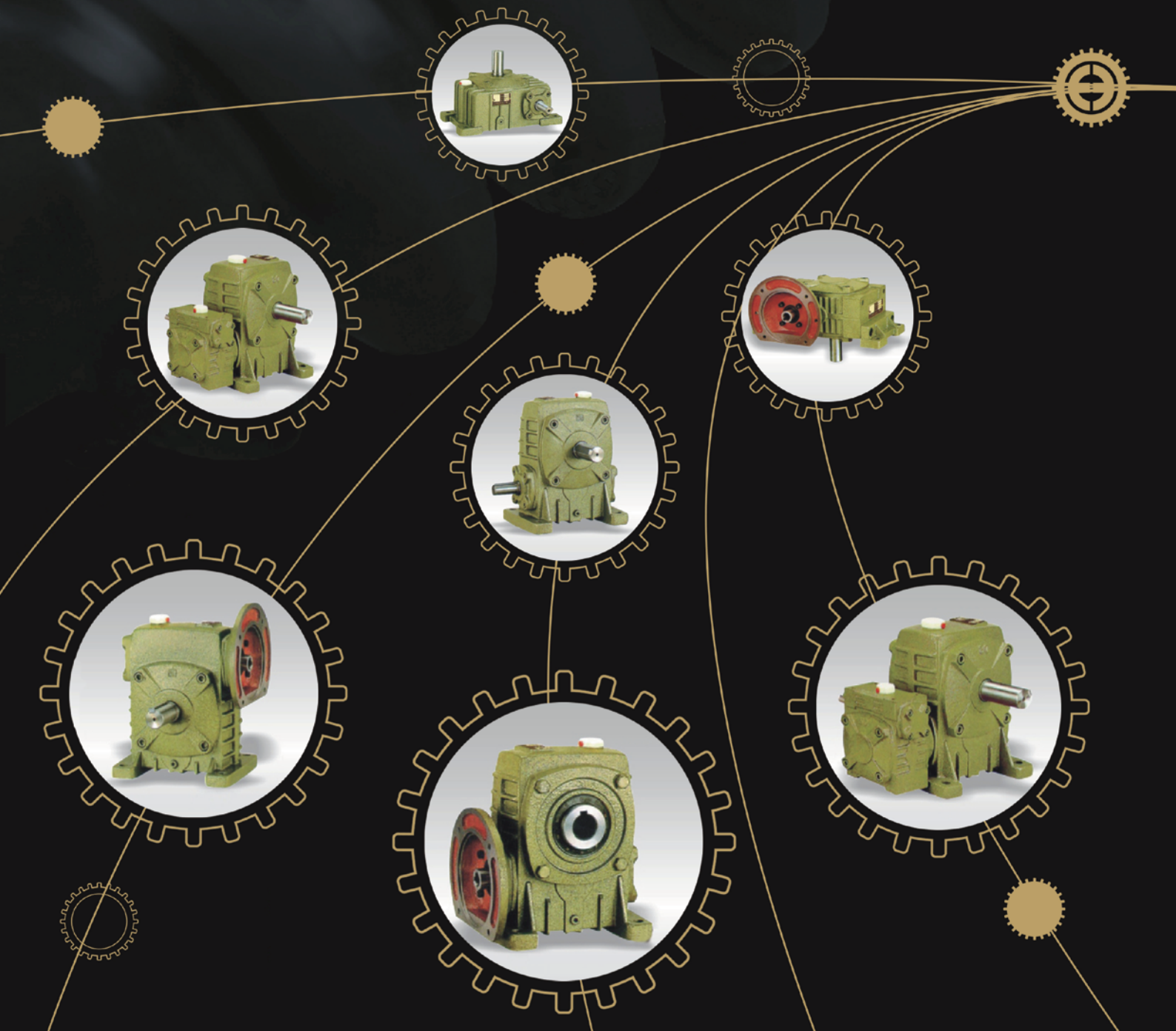
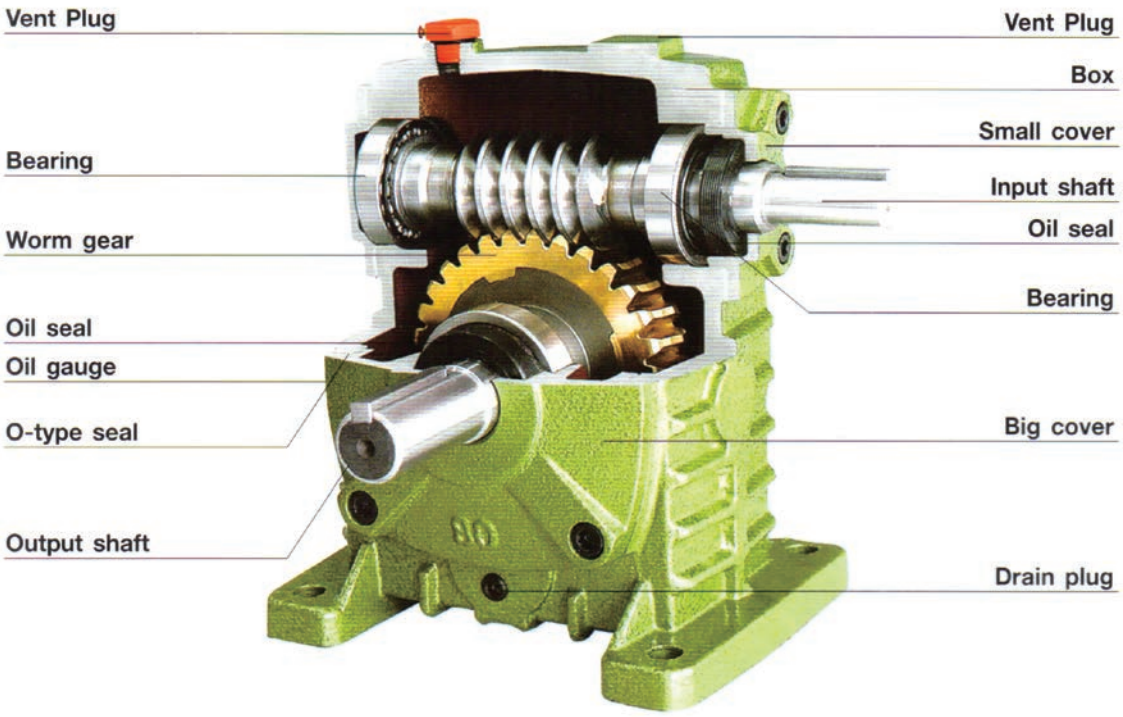
NORCE

WORM GEAR SPEED REDUCER



www.bangkokgear.com

Product structural View



Selection of Lubricant

Before operation, input N220-N320 (Ambient temperature -30° C ~ 40 °C) N320~N460 (Ambient temperature -30 °C ~ 40 °C) Lubrication oil up to the center line of the oil gauge. In the meanwhile. Remove the small screw of the air - vent. After working for 100 hours in the first time, clear the inside and new lubrication oil in it, then renew the lubricant oil per 2500 hour.

Lubricants for a reducer are optional in foreign as the below table.

Worm shaft speed (r/min)		Lubricant	Operating position Worm shaft, upper Worm shaft vertical	Operating position Worm shaft, lower Worm shaft vertical
over	up to			
1000	3000	Synthetic oils	PG460	PG220
	1000			PG460
2000	3000	Mineral oils	ISO VG460	ISO VG 200
750	2000			ISO VG 320
250	750			ISO VG460
	250		ISO VG680	ISO NG680

Ambient Temp	Load	ISO VG	BG3141-82	Shell	Mobil	AGMA
- 30 °C ~ - 15 °C	Normal	VG-100	N100	Shell Omala 100	Gear 627	5
	Heavy	VG-100	N150	Shell Omala 150	Gear 629	7
- 15 °C ~ - 5 °C	Normal	VG-100	N150	Shell Omala 150	Gear 629	7
	Heavy	VG-100	N220	Shell Omala 220	Gear 630	7EP
- 5 °C ~ - 25 °C	Normal	VG-100	N220	Shell Omala 220	Gear 630	7EP
	Heavy	VG-100	N320	Shell Omala 320	Gear 632	6
- 25 °C ~ - 40 °C	Normal	VG-100	N320	Shell Omala 320	Gear 632	6
	Heavy	VG-100	N460	Shell Omala 460	Gear 634	8
- 40 °C ~ - 65 °C	Normal	VG-100	N460	Shell Omala 460	Gear 634	8
	Heavy	VG-100	N680	Shell Omala 680	Gear 636	8EP

After the first 100 hours of operation:

Drain unit and flush with light oil, Refill

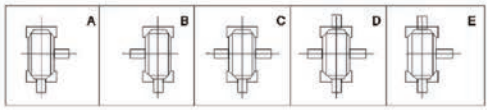
Every 2500 hours of operation

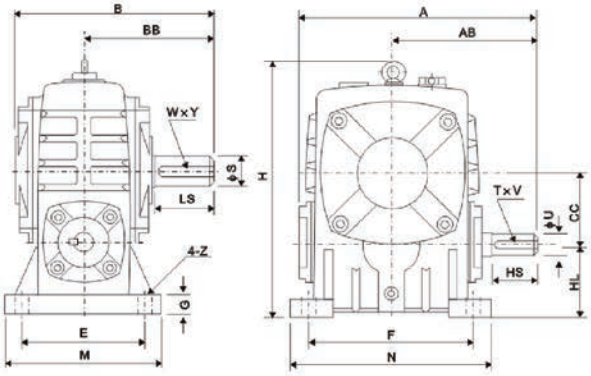
Drain: flush and refill

SINGLE WP SERIES

PA

SHAFT DIRECTION

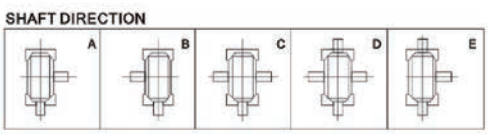


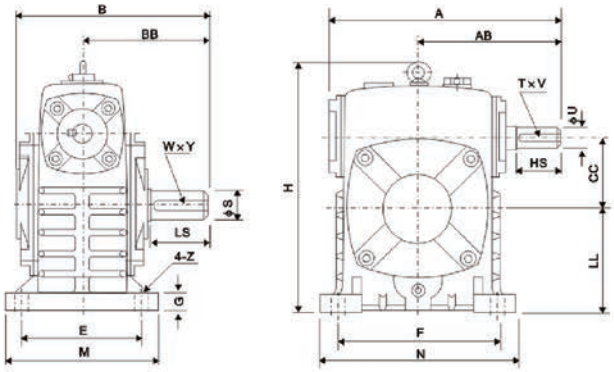


size	ratio	A	AB	B	BB	CC	H	HL	M	N	E	F	G	Z	input shaft			output shaft			weight (kg)
															HS	U	T x V	LS	S	W x Y	
9(40)		143	87	114	74	40	138	40	90	100	70	80	13	10	25	12	4x2.5	28	14	5x3	4
12(50)		175	107	150	97	50	176	50	120	140	95	110	15	12	30	12	4x2.5	40	17	5x3	7
15(60)	1/10	198	122	168	112	60	204	60	130	150	105	120	20	12	40	15	5x3	50	22	8x3.5	10
18(70)	1/15	231	140	194	131	70	236	70	150	190	115	150	20	15	40	18	6x3.5	60	28	8x4	15
22(80)	1/20	261	160	214	142	80	268	80	170	220	135	180	20	15	50	22	6x3.5	65	32	10x5	20
25(100)	1/25	322	190	254	169	100	336	100	190	270	155	220	25	15	50	25	8x4	75	38	10x5	35
30(120)	1/30	381	229	282	190	120	430	120	230	320	180	260	30	18	65	30	8x4	85	45	14x5.5	60
35(135)	1/40	433	260	317	210	135	480	135	250	350	200	290	30	18	75	35	10x5	95	55	16x6	80
40(155)	1/50	504	302	382	252	155	531	135	275	390	220	320	35	21	85	40	12x5	110	60	18x7	110
45(175)	1/60	545	325	402	262	175	600	160	310	430	250	350	40	21	85	45	14x5.5	110	65	18x7	150
50(200)		587	350	467	305	200	666	175	360	480	290	390	40	24	95	50	14x5.5	125	70	20x7.5	215
60(250)		705	420	552	360	250	800	200	460	560	380	480	45	28	110	60	18x7	155	90	25x9	360

PR

SHAFT DIRECTION



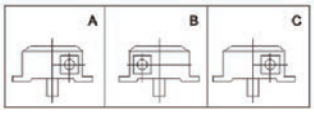


size	ratio	A	AB	B	BB	CC	H	LL	M	N	E	F	G	Z	input shaft			output shaft			weight (kg)
															HS	U	T x V	LS	S	W x Y	
9(40)		143	87	114	74	40	141	60	90	100	70	80	13	10	25	12	4x2.5	28	14	5x3	4
12(50)		175	107	150	97	50	180	80	120	140	95	110	15	12	30	12	4x2.5	40	17	5x3	7
15(60)	1/10	190	122	168	112	60	207	90	130	150	105	120	20	12	40	15	5x3	50	22	8x3.5	10
18(70)	1/15	231	140	194	131	70	238	105	150	190	115	150	20	15	40	18	6x3.5	60	28	8x4	15
22(80)	1/20	261	160	214	142	80	270	120	170	220	135	180	20	15	50	22	6x3.5	65	32	10x5	20
25(100)	1/25	322	190	254	169	100	334	150	190	270	155	220	25	15	50	25	8x4	75	38	10x5	35
30(120)	1/30	381	229	282	190	120	423	180	230	320	180	260	30	18	65	30	8x4	85	45	14x5.5	60
35(135)	1/40	433	260	317	210	135	482	215	250	350	200	290	30	18	75	35	10x5	95	55	16x6	80
40(155)	1/50	504	302	382	252	155	541	235	275	390	220	320	35	21	85	40	12x5	110	60	18x7	110
45(175)	1/60	545	325	402	262	175	600	260	310	430	250	350	40	21	85	45	14x5.5	110	65	18x7	150
50(200)		587	350	467	305	200	677	290	360	480	290	390	40	24	95	60	14x5.5	125	70	20x7.5	215
60(250)		705	420	552	360	250	824	350	460	560	380	480	45	28	110	50	18x7	155	90	25x9	360

SINGLE WP SERIES

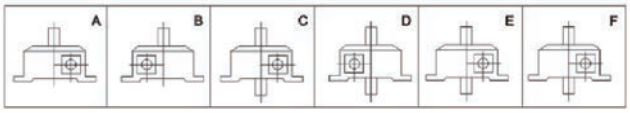
PORD

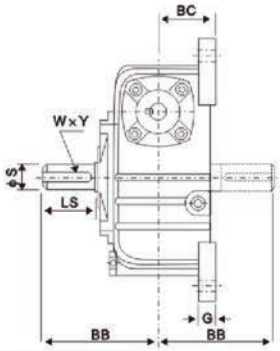
PORD
SHAFT DIRECTION

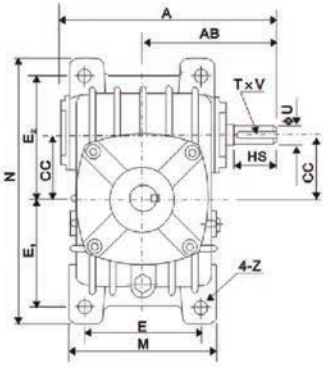


PORU

PORU
SHAFT DIRECTION



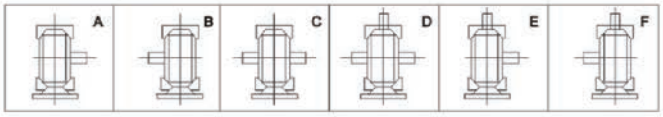


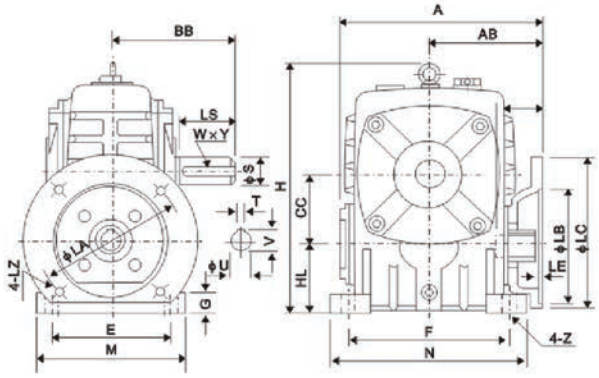


size	ratio	A	AB	BB	BC	CC	M	N	E	E_1	E_2	G	Z	input shaft			output shaft			weight (kg)
														HS	U	T x V	LS	S	W x Y	
9(40)		143	87	74	45	40	94	184	70	74	86	10	10	25	12	4x2.5	28	14	5x3	5
12(50)		175	107	97	50	50	116	220	90	93	102	15	12	30	12	4x2.5	40	17	5x3	6
15(60)	1/10	198	122	112	55	60	126	260	100	105	120	20	12	40	15	5x3	50	22	8x3.5	10
18(70)	1/15	231	140	131	65	70	156	295	120	120	135	20	15	40	18	6x3.5	60	28	8x4	15
22(80)	1/20	261	160	142	70	80	175	320	140	130	150	20	15	50	22	6x3.5	65	32	10x5	20
25(100)	1/25	322	190	169	90	100	224	375	190	155	180	26	15	50	25	8x4	75	38	10x5	35
30(120)	1/30	381	229	190	100	120	266	450	220	185	215	30	18	65	30	8x4	85	45	14x5.5	50
35(135)	1/40	433	260	210	110	135	306	495	260	210	235	30	18	75	35	10x5	95	55	16x6	75
40(155)	1/50	504	302	252	140	155	350	590	290	245	295	35	21	85	40	12x5	110	60	18x7	115
45(175)	1/60	545	325	262	150	175	394	640	320	267	323	40	21	85	45	14x5.5	110	65	18x7	140
50(200)		587	350	305	175	200	440	710	370	290	360	40	24	95	50	14x5.5	125	70	20x7.5	200
60(250)		705	420	360	200	250	510	860	440	350	440	45	28	110	60	18x7	155	90	25x9	340

PAF

PAF
SHAFT DIRECTION

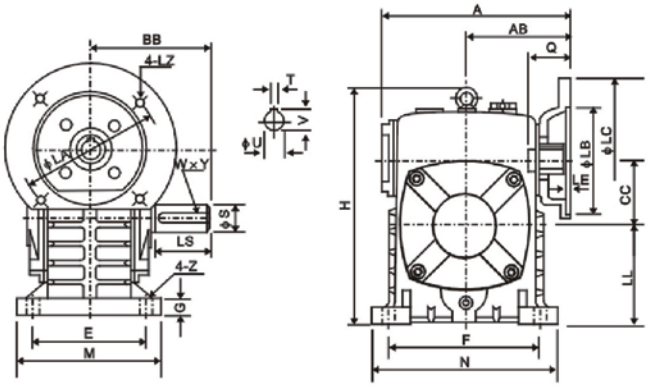




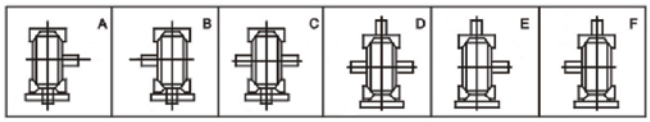
size	input (kw)	ratio	A	AB	BB	CC	H	HL	M	N	E	F	G	Z	flange					input shaft			output shaft			weight(kg)
															LA	LB	LC	LE	LZ	Q	U	T x V	LS	S	W x Y	
12(50)	0.18		151	83	97	50	176	50	120	140	95	110	15	12	115	95	140	4	M8	31	11	4 x 12.8	40	17	5x3	8
15(60)	0.37		167	91	112	60	204	60	130	150	105	120	20	12	130	110	160	4	M8	33	14	5 x 16.3	50	22	6x3.5	11
18(70)	0.37		200	109	131	70	238	70	150	190	115	150	20	15	130	110	160	4	M8	40	14	5 x 16.3	60	28	8x4	17
	0.75		202	111											165	130	200		M10	42	19	6 x 21.8				
22(80)	0.75		225	125	142	80	268	80	170	220	135	180	20	15	165	130	200	4.5	M10	48	19	6 x 21.8	65	32	10x5	22
	1.5	1/10																		52	24	8 x 27.3				
25(100)	1.5	1/15	280	148	169	100	336	100	190	270	155	220	25	15	165	130	200	4.5	M10	52	24	8 x 27.3	75	38	10x5	38
30(120)	2.2	1/20	333	181	190	120	430	120	230	320	180	260	30	18	215	180	250	5	M12	63	28	8 x 31.3	85	45	14x5.5	64
	3	1/25																								
35(135)	3	1/30	375	202	210	135	480	135	250	350	200	290	30	18	215	180	250	5	M12	63	28	8 x 31.3	95	55	16x6	85
	4	1/40																								
40(155)	5.5	1/50	448	247	252	155	531	135	275	390	220	320	35	21	265	230	300	5	M12	83	38	10 x 41.3	110	60	18x7	118
45(175)	5.5	1/60	481	262	262	175	600	160	310	430	250	350	40	21	265	230	300	5	M12	83	38	10 x 41.3	110	65	18x7	165
	7.5																									
50(200)	11		543	285	305	200	666	175	360	480	290	390	40	24	300	250	350	6	M16	114	42	12 x 45.3	125	70	20x7.5	236
60(250)	11		615	330	360	250	800	200	460	560	380	480	45	28	300	250	350	6	M16	114	42	12 x 45.3	155	90	25x9	396
	15																									

SINGLE WP SERIES

PRF

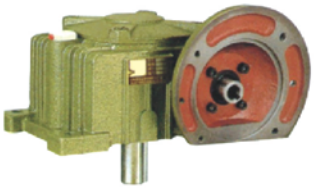


SHAFT DIRECTION

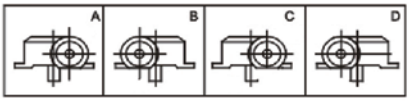


size	input (kw)	ratio	A	AB	BB	CC	H	LL	M	N	E	F	G	Z	flange					input shaft			output shaft			weight(kg)
															LA	LB	LC	LE	LZ	Q	U	T x V	LS	S	W x Y	
12(50)	0.18	1/10 1/15 1/20 1/25 1/30 1/40 1/50 1/60	151	83	97	50	176	80	120	140	95	110	15	12	115	95	140	4	M8	31	11	4 x 12.8	40	17	5x3	8
15(60)	0.37		167	91	112	60	202	90	130	150	105	120	20	12	130	110	160	4	M8	33	14	5 x 16.3	50	22	6x3.5	11
18(70)	0.37		200	109	131	70	238	105	150	190	115	150	20	15	130	110	160	4	M8	40	14	5 x 16.3	60	28	8x4	17
	0.75		202	111											165	130	200		M10	42	19	6 x 21.8				
22(80)	0.75		225	125	142	80	273	120	170	220	135	180	20	15	165	130	200	4.5	M10	48	19	6 x 21.8	65	32	10x5	22
	1.5																			52	24	8 x 27.3				
25(100)	1.5		280	148	169	100	334	150	190	270	155	220	25	15	165	130	200	4.5	M10	52	24	8 x 27.3	75	38	10x5	38
30(120)	2.2		333	181	190	120	423	180	230	320	180	260	30	18	215	180	250	5	M12	63	28	8 x 31.3	85	45	14x5.5	64
	3																									
35(135)	3		375	202	210	135	482	215	250	350	200	290	30	18	215	180	250	5	M12	63	28	8 x 31.3	95	55	16x6	85
	4																									
40(155)	5.5		448	247	252	155	541	235	275	390	220	320	35	21	265	230	300	5	M12	83	38	10 x 41.3	110	60	18x7	118
45(175)	5.5		481	262	262	175	600	260	310	430	250	350	40	21	265	230	300	5	M12	83	38	12 x 45.3	110	65	18x7	165
	7.5																									
50(200)	11		543	285	305	200	677	290	360	480	290	390	40	24	300	250	350	6	M16	114	42	12 x 45.3	125	70	20x7.5	236
60(250)	11		615	330	360	250	824	350	460	560	380	480	45	28	300	250	350	6	M16	114	42		155	90	25x9	396
	15																									

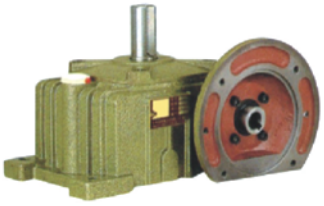
PORD-F



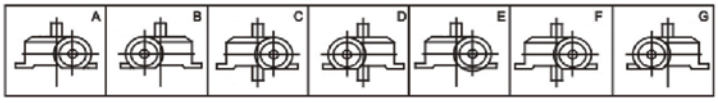
PORD-F SHAFT DIRECTION

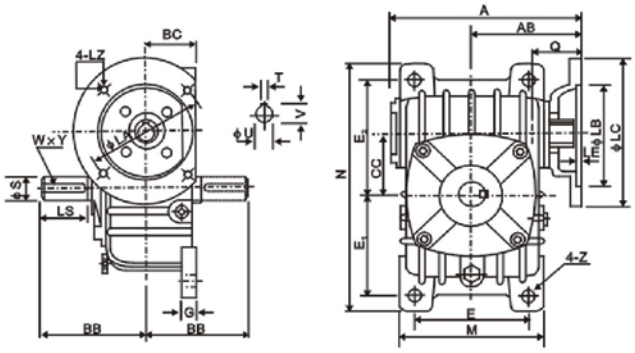


PORU-F



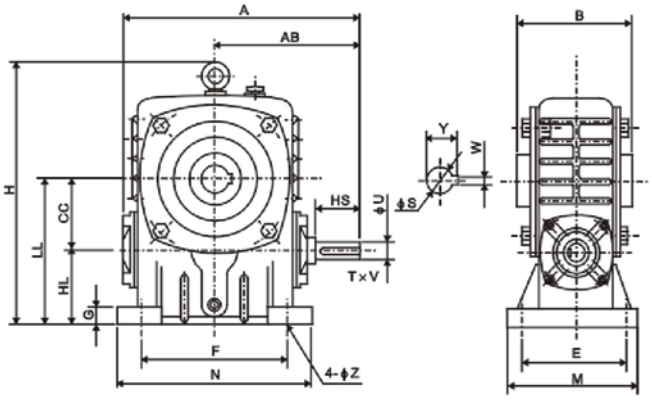
PORU-F SHAFT DIRECTION



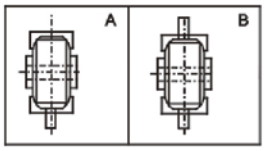


size	input (kw)	ratio	A	AB	BB	BC	CC	M	N	E	E_1	E_2	G	Z	flange					input shaft			output shaft			weight(kg)
															LA	LB	LC	LE	LZ	Q	U	T x V	LS	S	W x Y	
12(50)	0.18	1/10 1/15 1/20 1/25 1/30 1/40 1/50 1/60	151	83	97	50	50	116	220	90	93	102	15	12	115	95	140	4	M8	31	11	4 x 12.8	40	17	5x3	8
15(60)	0.37		167	91	112	55	60	126	260	100	105	120	20	12	130	110	160	4	M8	33	14	5 x 16.3	50	22	6x3.2	11
18(70)	0.37		200	109	131	65	70	156	295	120	120	135	20	15	130	110	160	4	M8	40	14	5 x 16.3	60	28	8x4	17
	0.75		202	111											165	130	200		M10	42	19	6 x 21.8				
22(80)	0.75		225	125	142	70	80	175	320	140	130	150	20	15	165	130	200	4.5	M10	48	19	6 x 21.8	65	32	10x5	22
	1.5																			52	24	8 x 27.3				
25(100)	1.5		280	148	169	90	100	224	375	190	155	180	25	15	165	130	200	4.5	M10	52	24	8 x 27.3	75	38	10x5	38
30(120)	2.2		333	181	190	100	120	266	450	220	185	215	30	18	215	180	250	5	M12	63	28	8 x 31.3	85	45	14x5.5	54
	3																									
35(135)	3		375	202	210	110	135	306	495	260	210	235	30	18	215	180	250	5	M12	63	28	8 x 31.3	95	55	16x6	80
	4																									
40(155)	5.5		448	247	252	140	155	350	590	290	245	295	35	21	265	230	300	5	M12	83	38	10 x 41.3	110	60	18x7	122
45(175)	5.5		481	262	262	150	175	394	640	320	267	323	40	21	265	230	300	5	M12	83	38	10 x 41.3	110	65	18x7	154
	7.5																									
50(200)	11		543	285	305	175	200	440	710	370	290	360	40	24	300	250	350	6	M16	114	42	12 x 45.3	125	70	20x7.5	220
60(250)	11		615	330	360	200	250	510	860	440	350	440	45	28	300	250	350	6	M16	114	42	12 x 45.3	155	90	25x9	374
	15.0																									

PA-HO

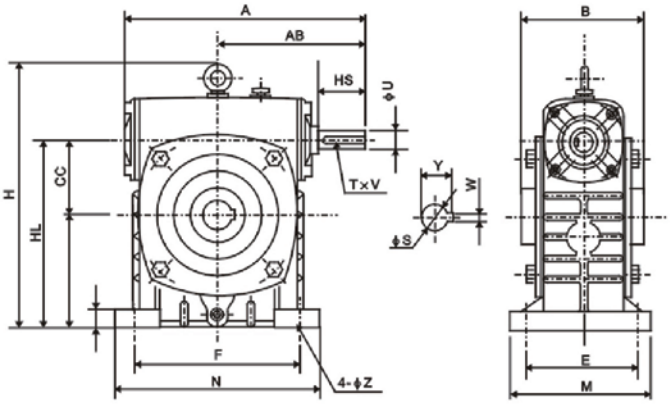


SHAFT DIRECTION



size	ratio	A	AB	B	CC	E	F	G	H	HL	LL	M	N	Z	input shaft			output shaft		weight (kg)
															HS	U	T x V	S	W x Y	
9(40)		143	87	90	40	70	80	13	138	40	80	90	100	10	25	12	4x2.5	11	5x18.3	4
12(50)		175	107	100	50	95	110	15	173	50	100	120	140	12	30	12	4x2.5	15	6x22.8	7
15(60)	1/10	198	122	110	60	105	120	20	204	60	120	130	150	12	40	15	5x3	20	8x28.3	10.5
18(70)	1/15	231	140	126	70	115	150	20	236	70	140	150	190	15	40	18	6x3.5	25	8x33.3	14.5
22(80)	1/20	261	160	136	80	135	180	20	268	80	160	170	220	15	50	22	6x3.5	30	10x38.3	22
25(100)	1/25	322	190	160	100	155	220	25	329	100	200	190	270	15	50	25	8x4	35	12x43.3	36
30(120)	1/30	381	229	180	120	180	260	30	430	120	240	230	320	18	65	30	8x4	40	14x48.8	63
35(135)	1/40	433	260	204	135	200	290	30	480	135	270	250	350	18	75	35	10x5	45	18x64.4	80
40(155)	1/50	504	302	250	155	220	320	35	431	135	290	275	390	21	85	40	12x5	55	20x74.9	114
45(175)	1/60	545	325	280	175	250	350	40	600	160	335	310	430	21	85	45	14x5.5	65	22x85.4	150
50(200)		587	350	324	200	290	390	40	667	175	375	360	480	24	95	60	14x5.5	70	22x90.4	218
60(250)		705	420	380	250	380	480	45	800	200	450	460	560	28	110	50	18x7	90	28x116.4	360

PR-HO



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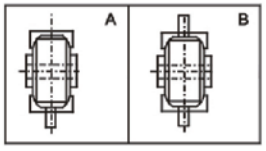
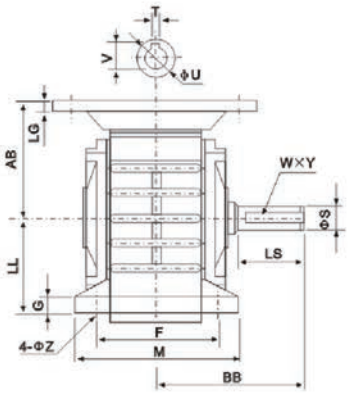
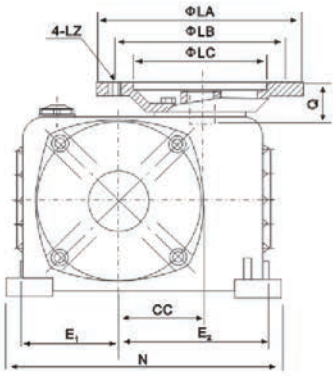


size	ratio	A	AB	B	CC	E	F	G	H	HL	LL	M	N	Z	input shaft			output shaft		weight (kg)
															HS	U	T x V	S	W x Y	
9(40)		143	87	90	40	70	80	13	141	100	60	90	100	10	25	12	4x2.5	11	5x18.3	4
12(50)		175	107	100	50	95	110	15	180	130	80	120	140	12	30	12	4x2.5	15	6x22.8	7
15(60)	1/10	198	122	110	60	105	120	20	207	150	90	130	150	12	40	15	5x3	20	8x28.3	10.5
18(70)	1/15	231	140	126	70	115	150	20	238	175	105	150	190	15	40	18	6x3.5	25	8x33.3	14.5
22(80)	1/20	261	160	136	80	135	180	20	270	200	120	170	220	15	50	22	6x3.5	30	10x38.3	22
25(100)	1/25	322	190	160	100	155	220	25	331	250	150	190	270	15	50	25	8x4	35	12x43.3	36
30(120)	1/30	381	229	180	120	180	260	30	423	300	180	230	320	18	65	30	8x4	40	14x48.8	63
35(135)	1/40	433	260	204	135	200	290	30	482	350	215	250	350	18	75	35	10x5	45	18x64.4	80
40(155)	1/50	504	302	250	155	220	320	35	541	390	235	275	390	21	85	40	12x5	55	20x74.9	114
45(175)	1/60	545	325	280	175	250	350	40	594	435	260	310	430	21	85	45	14x5.5	65	22x85.4	150
50(200)		587	350	324	200	290	390	40	677	490	290	360	480	24	95	50	14x5.5	70	22x90.4	218
60(250)		705	420	380	250	380	480	45	800	600	350	460	560	28	110	60	18x7	90	28x116.4	360

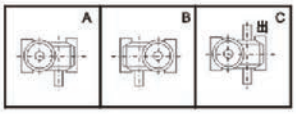
SINGLE PDZ SERIES

PDZ





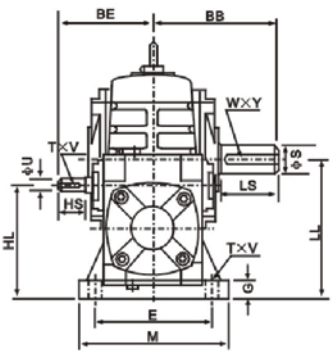
SHAFT DIRECTION

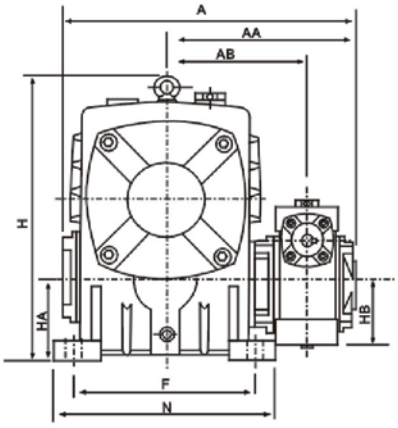


size	input (kw)	ratio	AB	LL	BB	CC	E_1	E_2	F	G	N	M	Z	flange					input shaft			output shaft			weight(kg)
														LB	LC	LA	LG	LZ	Q	U	T x V	LS	S	W x Y	
12(50)	0.18	1/10 1/15 1/20 1/25 1/30 1/40 1/50 1/60	88	77	95	50	53	77	100	15	160	125	11	115	95	140	10	M8	26	11	4 x 12.8	40	17	5 x 3	8
15(60)	0.18		92	85	110	60	68	92	100	15	190	130	11	115	95	140	10	M8	27	11	4 x 12.8	50	22	6 x 3.5	12.5
	0.37													130	110	160			37	14	5 x 16.3				
18(70)	0.37		108	95	130	70	75	115	120	20	230	155	15	130	110	160	10	M8	32	14	5 x 16.3	60	28	6 x 3.5	16
	0.75		113											165	130	200		M10	42	19	6 x 21.8				
22(80)	0.75		125	100	140	80	96	144	125	20	265	160	15	165	130	200	12	M10	45	19	6 x 21.8	65	32	10 x 5	23
	1.5																		57	24	8 x 27.3				
25(100)	1.5		149	135	155	100	100	150	155	22	310	195	15	165	130	200	15	M10	60	24	8 x 27.3	75	38	10 x 5	38
	2.2													215	180	250		M12	70	28	8 x 31.3				
30(120)	2.2		176	160	185	120	120	180	180	28	360	230	18	215	180	250	18	M12	70	28	8 x 31.3	85	45	14 x 5.5	60
	3																								
35(135)	3		196	170	210	135	130	200	200	30	390	250	18	215	180	250	20	M12	68	28	8 x 31.3	95	55	16 x 6	80
	4																								

DOUBLE PDA SERIES

PDA





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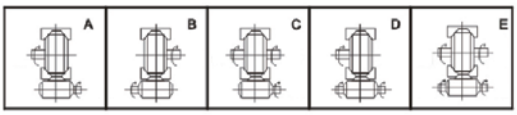
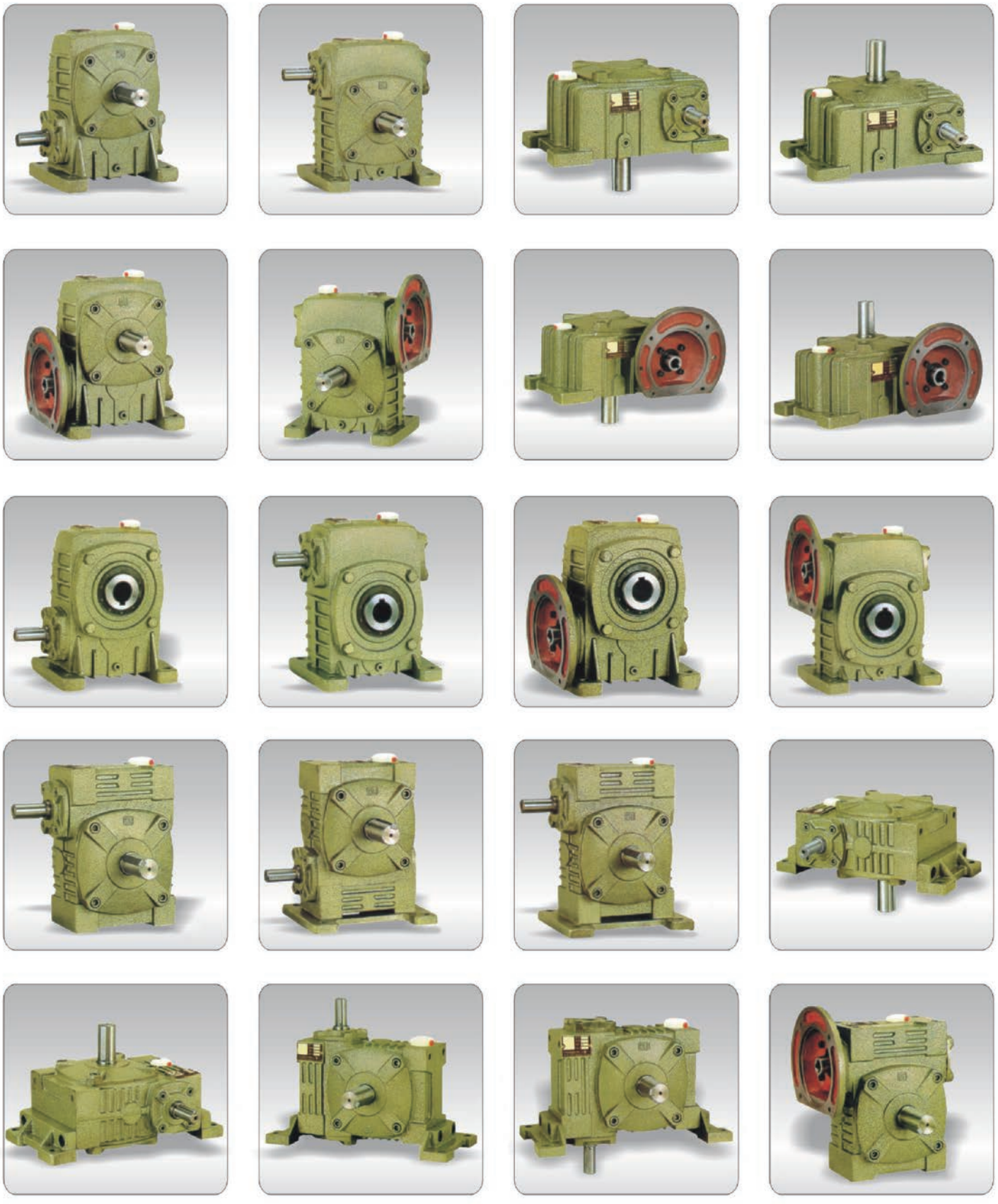


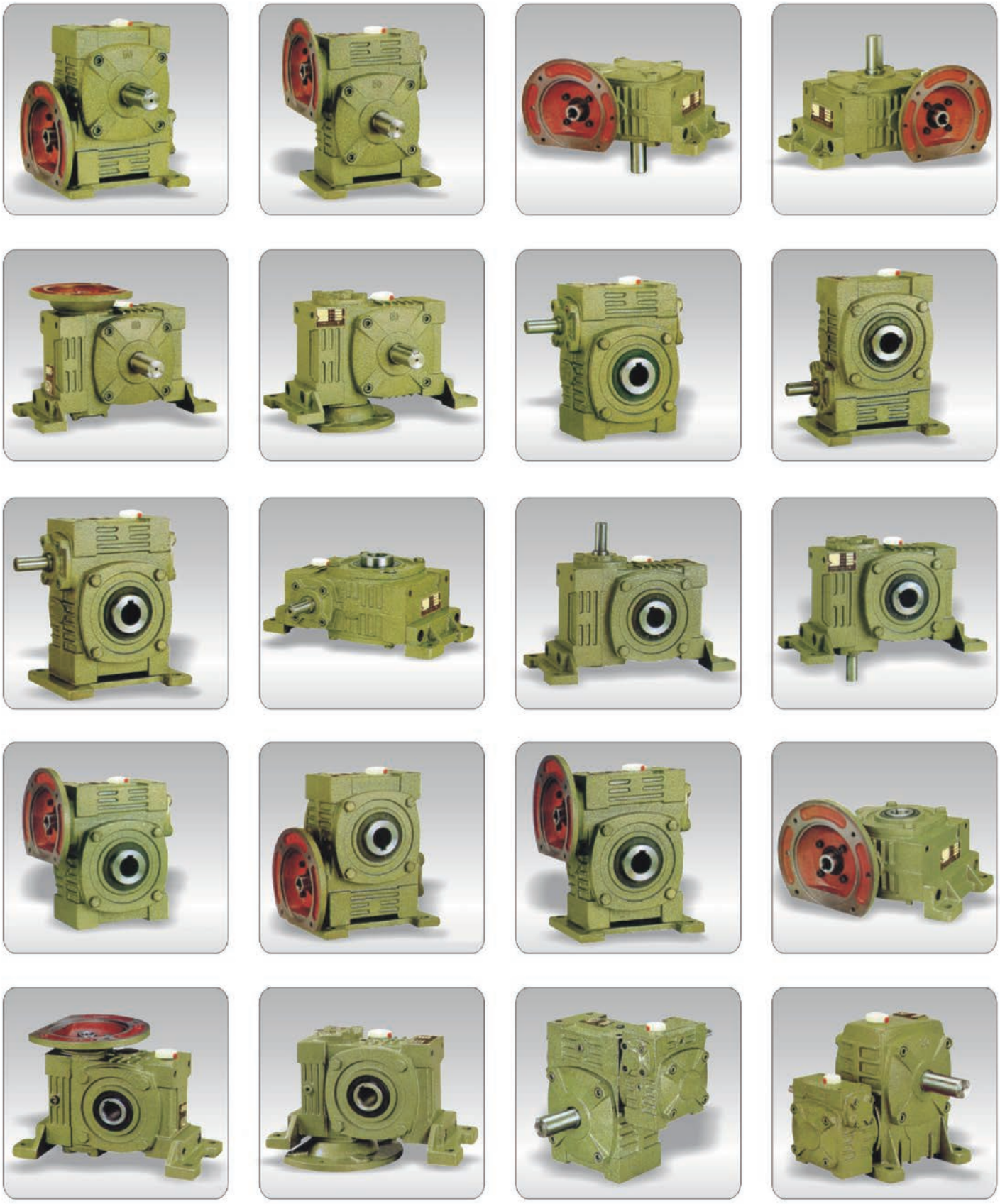
size	ratio	A	AA	AB	BB	BE	HL	LL	H	HA	HB	M	N	E	F	G	Z	input shaft			output shaft			weight(kg)
																		HS	U	T x V	LS	S	W x Y	
40-70	1/200 1/300 1/400 1/500 1/600 1/800 1/900	262	171	126	131	89	110	140	236	70	50	150	190	115	150	20	15	25	12	4 x 2.5	60	28	8 x 4	20
50-80		297	197	144	142	107	130	160	268	80	65	170	220	135	180	20	15	30	12	4 x 2.5	65	32	10 x 5	27
60-100		363	231	175	169	122	160	200	336	100	75	190	270	155	220	25	15	40	15	5 x 3	75	38	10 x 5	44
70-120		408	256	193	190	140	190	240	430	120	90	230	320	180	260	30	18	40	18	6 x 3.5	85	45	14 x 5.5	73
80-135		471	298	226	210	160	215	270	480	135	105	250	350	200	290	30	18	50	22	6 x 3.5	95	55	16 x 6	101
100-155		555	354	269	252	190	235	290	531	135	130	275	390	220	320	35	21	50	25	8 x 4	110	60	18 x 7	144
120-175		598	379	287	262	229	280	335	600	160	155	310	430	250	350	40	21	65	30	8 x 4	110	65	18 x 7	201
135-200		662	425	318	305	260	210	375	666	175	185	360	480	290	390	40	24	75	35	10 x 5	125	70	20 x 7.5	293
155-250		795	510	380	360	302	355	450	800	200	203	460	560	380	480	45	28	85	40	12 x 5	155	90	25 x 9	462

Size	Input speed (rpm)	Performance	1/10	1/20	1/30	1/40	1/50	1/60
12 (50)	1500	Input power (KW)	0.98	0.44	0.44	0.30	0.26	0.21
		Output torque (Nm.)	48	41	53	47	48	45
	900	Input power (KW)	0.67	0.32	0.28	0.21	0.18	0.16
		Output torque (Nm.)	53	48	53	53	53	5
15 (60)	1500	Input power (KW)	1.56	0.83	0.79	0.56	0.53	0.44
		Output torque (Nm.)	78	75	98	86	100	95
	900	Input power (KW)	1.18	0.62	0.59	0.44	0.30	0.32
		Output torque (Nm.)	94	90	114	102	90	111
18 (70)	1500	Input power (KW)	2.33	1.31	1.16	0.85	0.77	0.65
		Output torque (Nm.)	117	123	147	137	149	143
	900	Input power (KW)	1.57	0.98	0.89	0.65	0.58	0.49
		Output torque (Nm.)	141	148	173	162	174	166
22 (80)	1500	Input power (KW)	3.32	1.73	1.61	1.16	1.07	0.89
		Output torque (Nm.)	167	160	207	184	212	200
	900	Input power (KW)	2.48	1.28	1.24	0.89	0.82	0.68
		Output torque (Nm.)	202	191	248	218	247	233
25 (100)	1500	Input power (KW)	5.95	3.43	2.86	2.15	1.63	1.34
		Output torque (Nm.)	302	332	375	368	334	323
	900	Input power (KW)	4.40	2.55	2.17	1.52	1.25	1.03
		Output torque (Nm.)	370	395	451	451	398	374
30 (120)	1500	Input power (KW)	9.45	4.87	4.50	3.14	2.66	2.13
		Output torque (Nm.)	491	470	601	526	567	509
	900	Input power (KW)	7.04	3.64	3.41	2.43	2.02	1.63
		Output torque (Nm.)	588	568	725	636	673	600
35 (135)	1500	Input power (KW)	13.5	7.73	6.53	4.78	3.57	2.81
		Output torque (Nm.)	713	768	900	851	771	698
	900	Input power (KW)	9.98	5.77	4.94	3.60	2.70	2.13
		Output torque (Nm.)	851	924	1078	1020	918	825
40 (155)	1500	Input power (KW)	17.92	10.10	9.08	6.20	4.82	4.03
		Output torque (Nm.)	893	1000	1196	1098	1029	1000
	900	Input power (KW)	13.36	7.50	6.81	4.71	3.67	2.96
		Output torque (Nm.)	1100	1196	1431	1315	1235	1156
45 (175)	1500	Input power (KW)	23.92	13.76	11.61	8.04	6.56	5.81
		Output torque (Nm.)	1248	1332	1552	1410	1412	1440
	900	Input power (KW)	19.04	11.40	9.68	6.72	4.98	4017
		Output torque (Nm.)	1568	1784	2078	1862	1676	1622
50 (200)	1500	Input power (KW)	28.60	18.27	15.29	11.16	9.23	7.73
		Output torque (Nm.)	1536	1818	2196	2030	2030	1960
	900	Input power (KW)	21.36	15.10	12.70	9.23	6.97	5.82
		Output torque (Nm.)	2368	2450	2940	2686	2420	2322
60 (250)	1500	Input power (KW)	49.65	29.50	23.77	17.92	12.72	10.8
		Output torque (Nm.)	2602	3066	3360	3410	3008	2910
	900	Input power (KW)	36.82	21.84	18.64	13.68	10.12	8.58
		Output torque (Nm.)	3325	3715	4320	4215	3815	3660

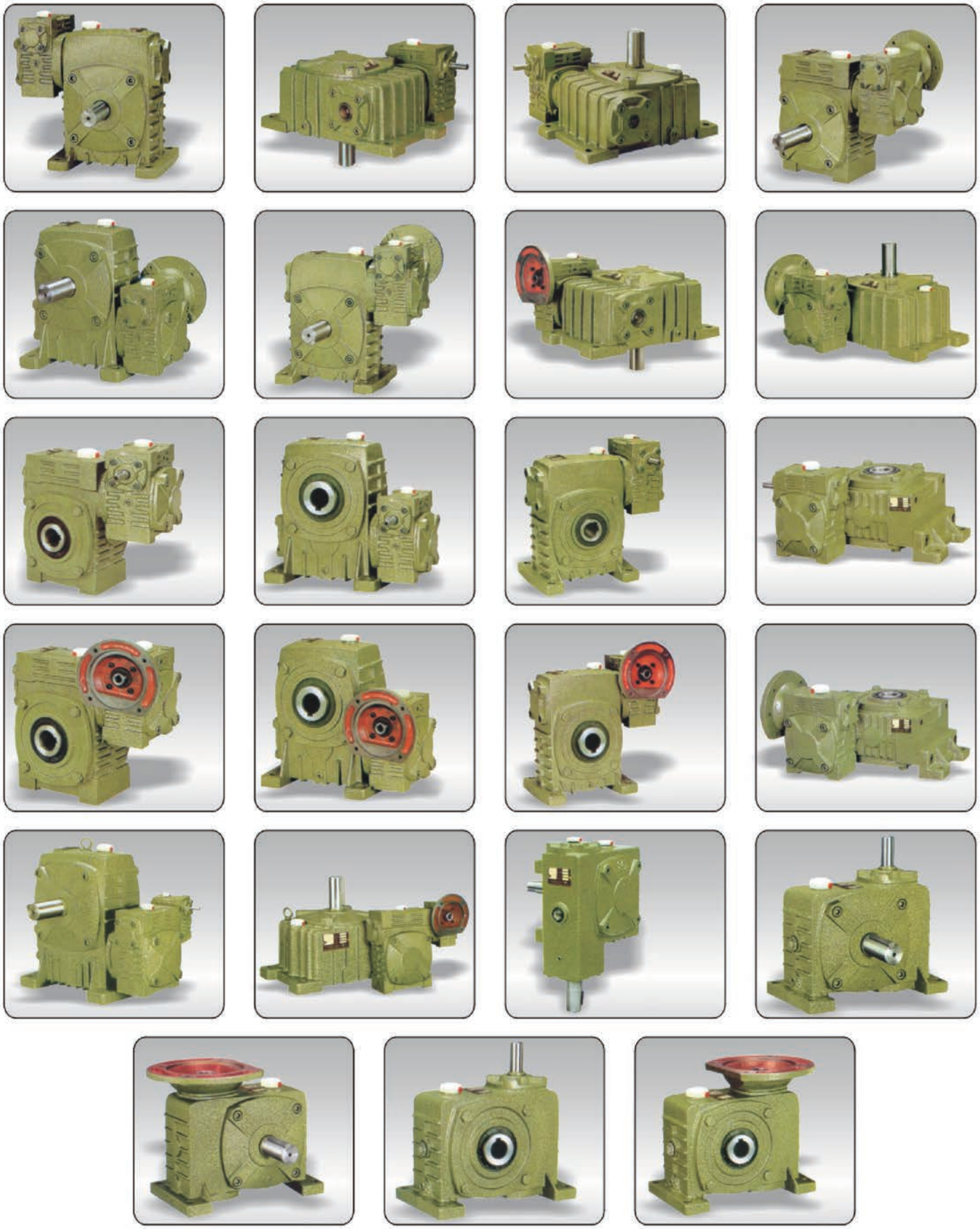
WORM GEAR SPEED REDUCER



WORM GEAR SPEED REDUCER



WORM GEAR SPEED REDUCER



TRANSMISSION

บริษัท กรุงเทพเกียร์ รุ่งเรืองแมคคานิค จำกัด

ที่อยู่สำนักงานใหญ่ : 333/224 ซ.เพชรเกษม 110
ถ.เพชรเกษม แขวงหนองค้างพลู
เขตหนองแขม กทม. 10160

ที่อยู่โรงงาน : 9/98 ม.3 ต.ดอนไก่ดี อ.กระทุ่มแบน
จ.สมุทรสาคร 74110

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