

Standard Reducer Products Guide

WU 50~135



WU 155~175



WUM 50~135



WUM 155



WB 50~135



WB 155~175



WB 200~250



WB 300~400



WBM 50~135



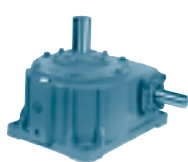
WBM 155



WV 50~135



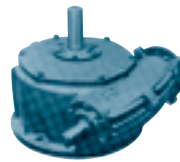
WV 155~175



WV 200~250



WV 300~400



WVM 50~135



WVM 155



DWB 60~135



DWB 155~175



DWB 200~250



DWB 300~400



DWBM 70~135



DWBM 155~175



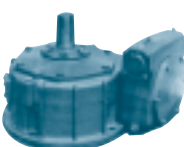
DWV 60~135



DWV 155~175



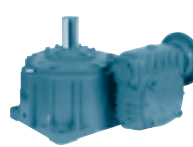
DWV 200~250



DWVM 70~135



DWVM 155~175



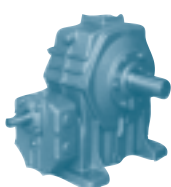
DWVM 200~250



BWP 70~135



BWP 155~175



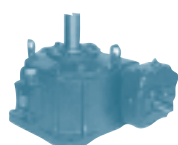
BWP 200~250



VWP 70~135



VWP 155~175



VWP 200~250



특징

최고의 효율

웜의 치면을 프로파일 연마기로 정밀연마하여 기어 접촉 효율을 향상하였습니다.

미려한 디자인

금형 주조법으로 제작하여 기존의 제품에 비하여 외관이 미려하고 안정되었습니다.

완벽한 밀봉성

입,출력 카바에 오링을 장착하여 누유를 근본적으로 제거하였습니다. 특히 엄격한 밀봉이 요구되는 곳에 추천합니다.

최적의 설계로 수명향상

케이스, 웜 기어, 웜 및 카바의 최적화 설계로 구조 강도의 증가 및 각 부품 수명을 한층 증가하였습니다.

호칭형번(축간거리 : mm)

50, 60, 70, 80, 100, 120, 135, 155, 175, 200, 225, 250, 300, 350, 400, 450, 500
기타 주문제작

감속비(Speed Ratio)

1/10, 1/15, 1/20, 1/30, 1/40, 1/50, 1/60, 1/100, 1/150, 1/200, 1/300, 1/400, 1/450, 1/500, 1/600, 1/750, 1/800, 1/900, 기타 1/3600까지 제작

허용 입력 동력 범위(KW)

0.06~300

허용 부하 토크(kgf-m)

4~13,000

형식

WU : 상형

입력축이 감속기의 웜 기어보다 상부측에 있고, 출력축이 수평으로 나와 있어 폴리, 스프로킷 등의 장착이 쉽게 되어 있습니다.

WB : 하형

입력축이 감속기의 웜기어보다 하부측에 있고 출력축이 수평으로 나와 있습니다.
운할조건이 상형에 비하여 우수하므로 대형 및 이단형의 경우에는 상형보다 하형을 사용하는 것이 유리합니다.

WV : 수직형

케이스 바닥 기준면에 수직인 방향으로 출력축이 나와 있습니다.
운할조건도 좋으므로 교반기 등과 같은 저속 고부하의 곳에 적합합니다.

DW : 이단(Double)형

두 개의 감속기로 구성되어 높은 감속 비율을 얻을 수 있습니다. (3,600:1)
입력 허용 동력이 한 단계 낮아지므로 선정시 주의를 요합니다.

플랜지형(IEC Flange) 또는 모터부착형(W#M)

출하시 모터를 장착한 상태 또는 모터 플랜지를 부착한 감속기로 사용자의 편의를 도모하였습니다. 50~155형은 국제 IEC 표준형 플랜지와 입력중공축으로 되어있어, 모터 교환 보수가 용이하게 되어있어, 국제 거래를 하는 사용자에게 필수 제품입니다.

입력중공축형 감속기의 IEC 프레임 모터 장착표(#50~#155)

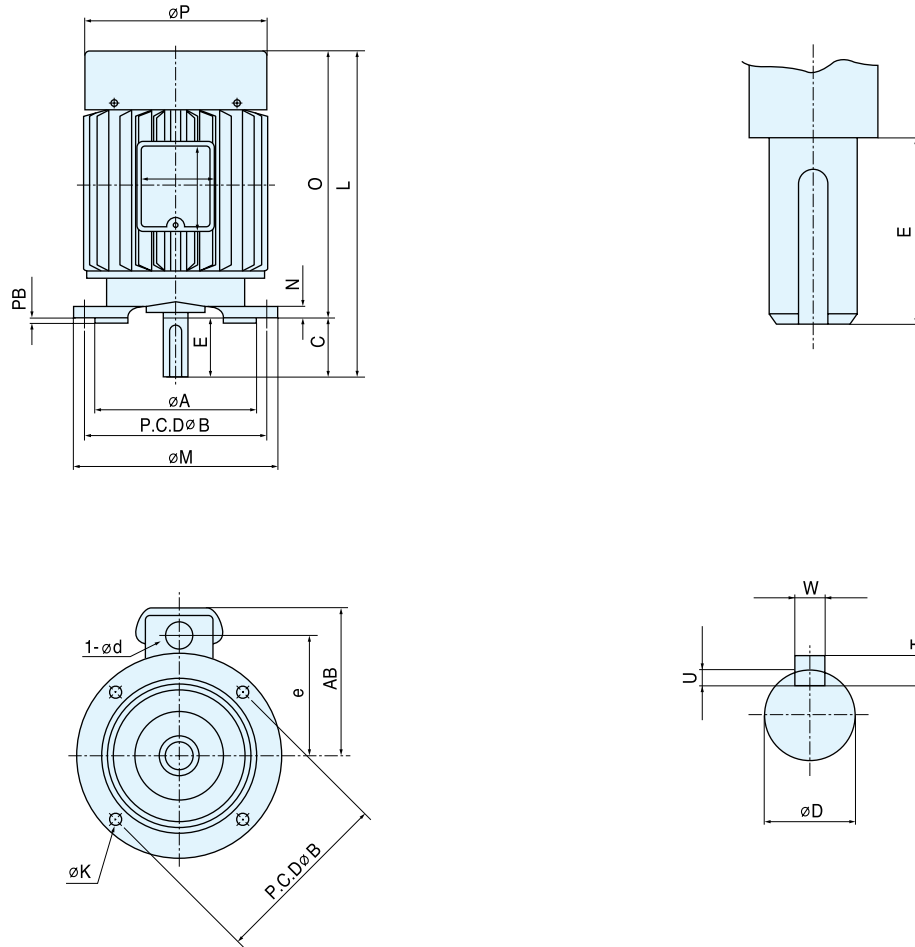
입력크기 #	형번	감속비	카플링 연결시 상용 입력	IEC 플랜지형 중공축 모델			DOUBLE형 적용시(※※)
				모터 동력	모터 축경	IEC 프레임 #	
50	WU50 WB50 WV50	1/10	0.2kw	0.2kw	11mm	63	DWB80 DWV80
		1/15, 1/20					
		1/30					
		1/40					
		1/50					
		1/60					
60	WU60 WB60 WV60	1/10	0.4kw	0.4kw	14mm	71	DWB100 DWV100
		1/15, 1/20					
		1/30					
		1/40					
		1/50					
		1/60	더 큰 형번을 선정하십시오.				
70	WU70 WB70 WV70	1/10	0.75kw	0.4kw 0.75kw	19mm(※)	80L(※)	DWB120 DWV120
		1/15, 1/20					
		1/30					
		1/40	0.4kw	0.4kw	14mm	71	
		1/50					
		1/60					
80	WU80 WB80 WV80	1/10	1.5kw	0.75kw	19mm	80L	DWB135 DWV135
		1/15, 1/20					
		1/30					
		1/40	0.75kw				
		1/50					
		1/60					
100	WU100 WB100 WV100	1/10	2.2kw	1.5kw	24mm	90L	DWB155 DWV155
		1/15, 1/20					
		1/30					
		1/40	1.5kw				
		1/50					
		1/60					
120	WU120 WB120 WV120	1/10	3.7kw	3.7kw	28mm	112M	DWB175 DWV175
		1/15, 1/20		2.2kw		112S	
		1/30					
		1/40	2.2kw	2.2kw	28mm	112S	
		1/50					
		1/60					
135	WU135 WB135 WV135	1/10	5.5kw	5.5kw	38mm	132S	DWB200 DWV200
		1/15, 1/20					
		1/30					
		1/40	3.7kw	3.7kw	28mm	112M	
		1/50					
		1/60					
155	WU155 WB155 WV155	1/10	7.5kw	7.5kw	38mm	132M	DWB225 DWV225
		1/15, 1/20		5.5kw		132W	
		1/30					
		1/40	5.5kw	5.5kw	38mm	132S	
		1/50					
		1/60					

(※) : Option 품목으로, 연결축과 플랜지가 별도로 판매됩니다.

(※※) : Double형의 감속비는 1/90~1/3,600 범위의 것이 있습니다.

삼상 IEC 플랜지 모터/3-phase I.E.C Flange Motor

외형치수도



● 형 식 : TEFC

● 절연계급 : B

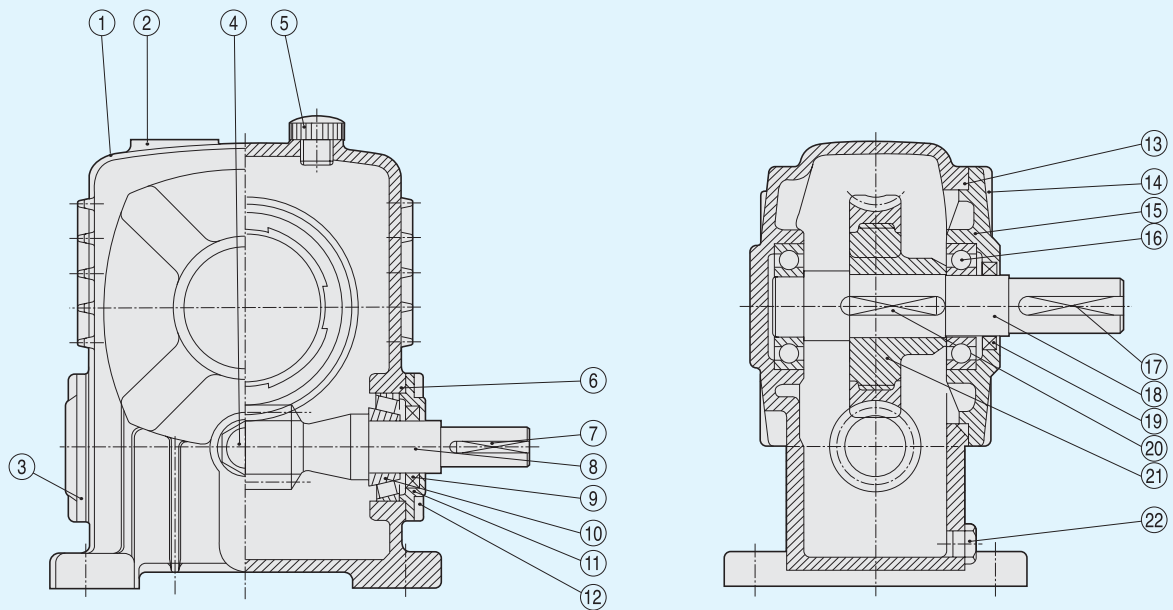
*효성 모터 기준(프레임 번호 63M, 71M은 삼양 모터 기준)

● Type : TEFC

● Insulation class : B

Frame 프레임	출력(kW)		치 수 표 (Dimension)												축(Shaft)			
			전 동 기 (Motor)															
	4극	6극	L	ØA	ØB	C	E	AB	N	ØM	O	ØP	PB	ØK	U	W	ØD	T
63M	0.2	—	198.5	95	115	23	23	104	8	140	175.5	114	3	10	2.5	4	11j6	4
71M	0.4	—	245	110	130	30	30	114	9	160	215	132	3.5	10	3	5	14j6	5
80M	0.4, 0.75	0.4	299	130	165	40	40	165	10	200	259	176	3.5	12	3.5	6	19j6	6
90L	1.5	0.75	367	130	165	50	50	175	12	200	315	196	3.5	12	4	8	24j6	7
100L	2.2	1.5	406	180	215	60	60	199	13	250	346	218.5	4	15	4	8	28j6	7
112M	3.7	2.2	394	180	215	60	60	216	13	250	330	232	4	15	4	8	28j6	7
132S	5.5	3.7	459	230	265	80	80	235	16	300	379	270	4	15	5	10	38k6	8
132M	7.5	5.5	497	230	265	80	80	235	16	300	417	270	4	15	5	10	38k6	8

조립도 및 각부명칭



- ① CASE
- ② NAMEPLATE
- ③ INPUT COVER
- ④ OIL LEVEL GAGE
- ⑤ AIR VENT
- ⑥ O-RING PACKING
- ⑦ KEY
- ⑧ INPUT SHAFT
- ⑨ OIL SEAL, INPUT
- ⑩ TAPER ROLLER BEARING
- ⑪ INPUT COVER

- ⑫ SOCKET BOLT(WRENCH BOLT)
- ⑬ O-RING PACKING
- ⑭ SOCKET BOLT(WRENCH BOLT)
- ⑮ OUTPUT COVER
- ⑯ BALL BEARING
- ⑰ KEY, OUTPUT
- ⑱ OUTPUT SHAFT
- ⑲ OIL SEAL, OUTPUT
- ⑳ KEY, WORM GEAR
- ㉑ WORM GEAR
- ㉒ DRAIN PLUG

※ 상기 조립도는 싱글 하형 기본형임. 플랜지 및 모터 등이 부착될 경우에는 플랜지 또는 모터가 추가됨

MX

80

15

HUM

B

R000

M125

2HP

0

형 번	
50	50형
60	60형
70	70형
80	80형
100	100형
120	120형
135	135형
155	155형
160	160형
175	175형
200	200형
225	225형
250	250형
300	300형
350	350형
400	400형
450	450형
500	500형

비 율	
10	1:10
12	1:12
15	1:15
18	1:18
20	1:20
21	1:21
25	1:25
30	1:30
31	1:31
35	1:35
40	1:40
45	1:45
50	1:50
60	1:60
80	1:80
90	1:90
100	1:100
120	1:120
150	1:150
180	1:180
200	1:200
250	1:250
300	1:300
400	1:400
500	1:500
600	1:600
800	1:800
900	1:900
1000	1:1000
1200	1:1200
1500	1:1500
1600	1:1600
1800	1:1800
2000	1:2000
2400	1:2400
2500	1:2500
3000	1:3000
3600	1:3600

축배치 및 회전

- A A타입
- B B타입
- C C타입
- D D타입
- E E타입
- F F타입

형 태

- HU Horizontal-U타입
- HUM Horizontal-U모터부착형
- HB Horizontal-B타입
- HBM Horizontal-B모터부착형
- VT Vertical 타입
- VTM Vertical 모터부착형

감속기 옵션

모터 옵션

모터 제조사

동 력

- 1/4HP 1/4HP = 0.2kW
- 1/2HP 1/2HP = 0.4kW
- 1HP 1HP = 0.75kW
- 2HP 2HP = 1.5kW
- 3HP 3HP = 2.2kW
- 5HP 5HP = 3.7kW
- 7.5HP 7.5HP = 5.2kW
- 10HP 10HP = 7.5kW
- 15HP 15HP = 10.2kW
- 20HP 20HP = 15.0kW
- 모터없음

MX Duty Table

구분	타입	기어비	형번별 동력 (kW)																		
			50	60	70	80	100	120	135	155	160	175	200	225	250	300	350	400	450	500	
SINGLE WORM	WU, WB, WV	10	1.07	1.74	2.60	3.70	6.55	10.35	14.78	24.68		35.10	39.5	53.4	72.5	102.8	137.3	199.5	224.3	300.0	
		15	0.80	1.30	1.90	2.70	4.75	7.50	10.95	17.18		24.75	29.6	42.6	54.2	87.0	117.8	163.5	201.8	261.0	
		20	0.49	0.91	1.45	1.90	3.77	5.37	8.48	11.18		17.10	22.7	32.6	41.5	70.4	110.3	128.3	171.8	198.8	
		25	0.57	0.93	1.34	1.87	2.96	5.00	6.78	9.00		12.23	17.5	25.1	30.8	52.6	84.0	105.8	141.0	186.0	
		30	0.51	0.86	1.27	1.80	3.15	5.00	7.26	9.98		14.25	18.8	28.0	35.4	60.1	68.6	111.8	137.3	176.3	
		40	0.33	0.62	0.93	1.28	2.38	3.51	5.24	6.99		9.90	13.7	19.4	24.7	42.8	65.9	78.0	108.0	123.0	
		50	0.29	0.58	0.84	1.18	1.79	2.95	3.96	5.35	7.50	7.34	10.4	14.6	17.8	30.5	48.4	61.4	80.3	104.3	
		60	0.23	0.48	0.71	0.97	1.47	2.36	3.11	4.39	5.63	6.17	8.6	12.0	15.2	24.2	37.1	49.2	63.6	82.5	
	WUM, WBM, WVM	10	0.19	0.38	0.75	1.50	2.25	3.75	5.63	7.50											
		15																			
		20																			
		30																			
		40			0.38	0.75	1.50	2.25	3.75	5.63											
		50																			
		60																			4.50
DOUBLE WORM	DWB, DWV	200			0.24	0.47	0.67	0.88	1.53	2.35	3.81		5.46	7.35	10.73	13.46	17.65				
		300			0.17	0.33	0.48	0.63	1.10	1.68	2.70		4.15	5.54	8.03	9.48	12.45				
		400			0.14	0.27	0.40	0.50	0.86	1.32	2.27		3.31	4.32	6.02	7.31	9.92				
		500			0.12	0.23	0.33	0.44	0.77	1.10	1.88		2.21	3.57	4.97	6.06	8.20				
		600			0.10	0.19	0.29	0.38	0.66	0.98	1.70		1.64	3.18	4.61	5.39	7.07				
		800			0.09	0.18	0.34	0.39	0.70	1.01	1.75		1.98	2.50	3.50	4.23	5.69				
		900			0.08	0.16	0.22	0.32	0.52	0.79	1.41		1.94	2.45	3.53	4.40	5.24				
		DWUM, DWBM, DWVM			200			0.11	0.19	0.38	0.75		1.50	2.25		3.75	5.63				
	300		2.25	-																	
	400		-	3.75	5.63																
	500		2.25									3.60		5.25							
	600			0.17	-			0.38	0.75	1.50	1.95		2.70			3.75					
	800		0.10							0.11	-	0.32	0.75	1.13							
	900			0.08	0.15			-	0.30					0.75		1.20	1.73				

주1. 입력 회전수 : 1800 rpm 기준

주2. S.F = 1.0 기준 (1 이상을 필요한 경우 연구소에 문의 바랍니다.)

주3. 음영 : 주차기 전용 (입력 회전수 : 1200 rpm 기준)

중실축 WORM REDUCER

Single Worm Reducer & Geared Motor

I

Double Worm Reducer & Geared Motor

II

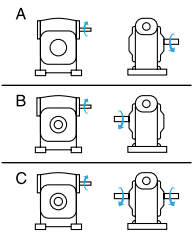
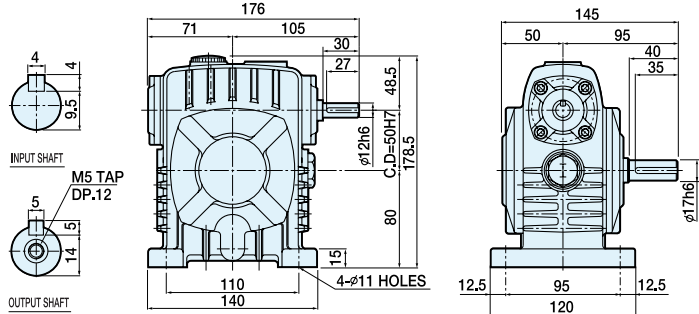
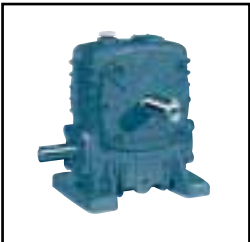
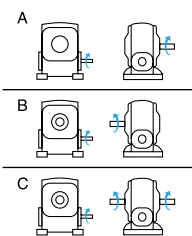
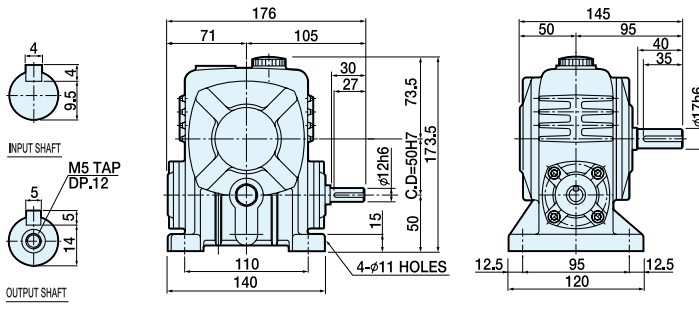
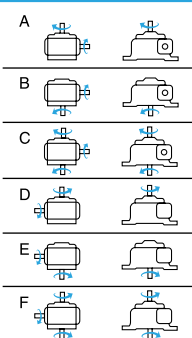
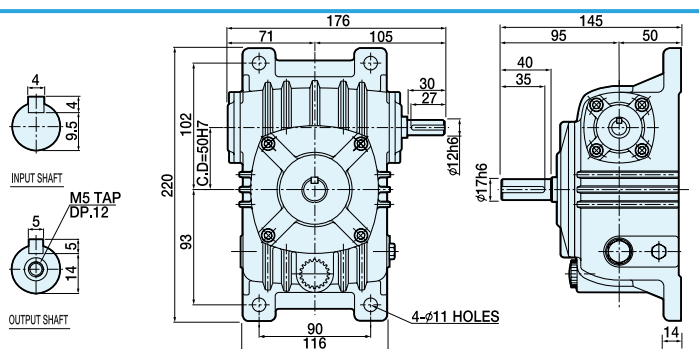
Top Flat Worm Reducer

III

STD Economy Worm Reducer

IV

Single Worm Reducer/1단 웜 감속기

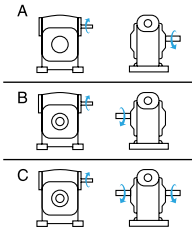
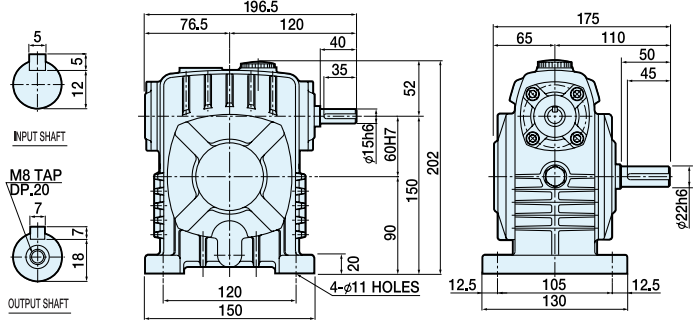
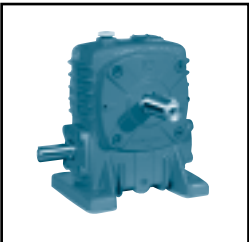
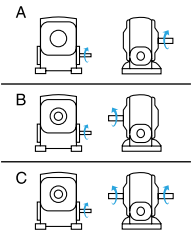
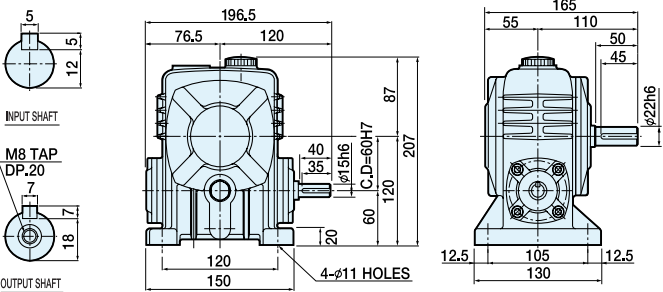
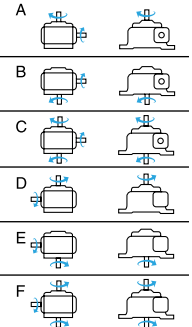
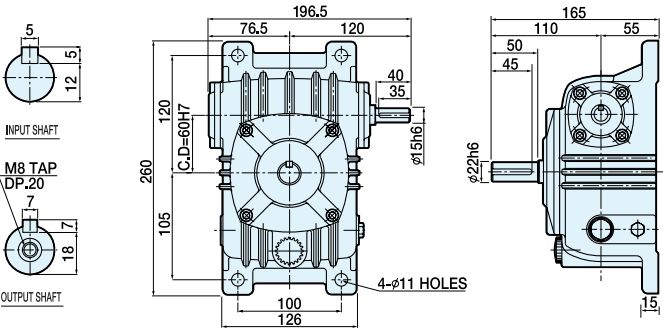
MODEL	축배치 및 회전방향	도면
 WU-50 W ≈ 7 kg		
 WB-50 W ≈ 7 kg		
 WV-50 W ≈ 7 kg		

전동능력표

수치는 1일 8~10시간 연속 운전이고 균일 하중의 수치입니다.

INPUT rpm RATIO	1800				1500				1200			
	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf
1/10	1.43	1.15	4.59	100	1.31	1.03	4.94	107	1.16	0.90	5.40	115
1/15	1.07	0.81	4.89	115	0.97	0.73	5.22	115	0.82	0.60	5.43	115
1/20	0.65	0.48	3.85	115	0.58	0.43	4.13	115	0.51	0.37	4.48	115
1/25	0.76	0.54	5.40	115	0.53	0.37	4.51	115	0.47	0.32	4.86	115
1/30	0.68	0.45	5.43	115	0.58	0.37	5.43	115	0.48	0.30	5.43	115
1/40	0.44	0.28	4.50	115	0.40	0.25	4.80	115	0.35	0.21	5.16	115
1/50	0.39	0.23	4.65	115	0.35	0.20	4.94	115	0.31	0.17	5.29	115
1/60	0.31	0.19	4.35	115	0.28	0.16	4.60	115	0.24	0.12	4.87	115

INPUT rpm RATIO	900				600				300			
	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf
1/10	0.89	0.68	5.43	115	0.60	0.45	5.43	115	0.30	0.22	5.43	115
1/15	0.63	0.45	5.43	115	0.43	0.30	5.43	115	0.22	0.15	5.43	115
1/20	0.43	0.31	4.94	115	0.32	0.22	5.43	115	0.17	0.11	5.43	115
1/25	0.39	0.25	5.32	115	0.27	0.19	5.43	115	0.15	0.09	5.43	115
1/30	0.37	0.23	5.43	115	0.25	0.15	5.43	115	0.15	0.07	5.43	115
1/40	0.28	0.17	5.43	115	0.20	0.11	5.43	115	0.11	0.05	5.43	115
1/50	0.24	0.12	5.43	115	0.17	0.09	5.43	115	0.09	0.04	5.43	115
1/60	0.21	0.11	5.34	115	0.15	0.07	5.43	115	0.08	0.03	5.43	115

MODEL	축배치 및 회전방향	도면
 WU-60 W ≈ 10kg		
 WB-60 W ≈ 10kg		
 WV-60 W ≈ 10kg		

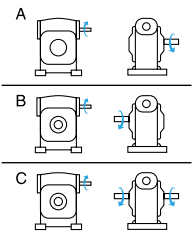
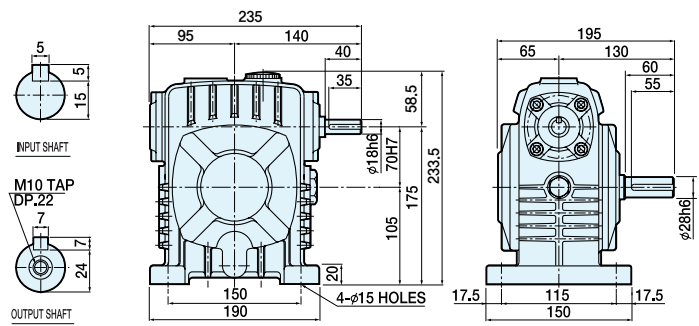
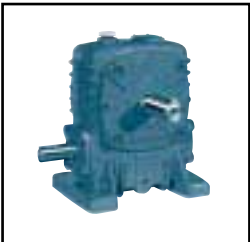
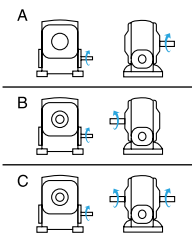
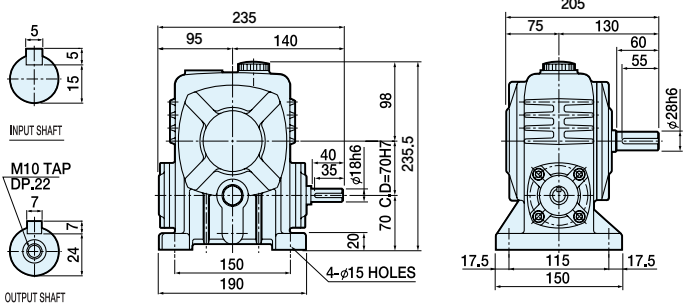
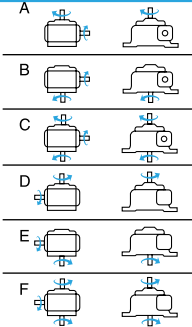
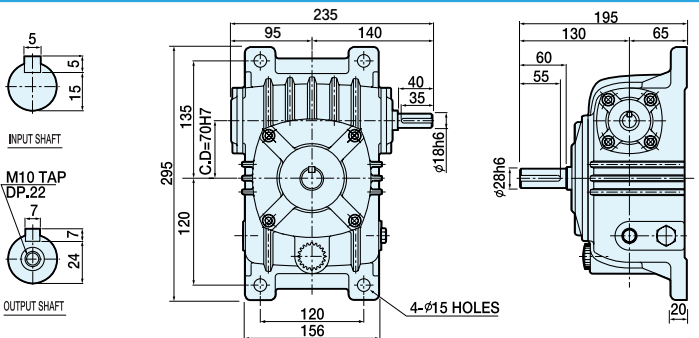
전동능력표

수치는 1일 8~10시간 연속 운전이고 균일 하중의 수치입니다.

INPUT rpm RATIO	1800				1500				1200			
	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf
1/10	2.32	1.87	7.44	98	2.08	1.67	7.95	104	1.88	1.47	8.8	110
1/15	1.73	1.32	7.91	116	1.55	1.19	8.46	123	1.36	1.01	9.07	133
1/20	1.21	0.89	7.15	138	1.11	0.80	7.66	146	0.98	0.69	8.31	157
1/25	1.24	0.92	9.10	153	1.12	0.83	9.70	162	0.99	0.71	10.5	174
1/30	1.15	0.75	9.31	151	1.05	0.71	10.0	159	0.92	0.59	10.6	172
1/40	0.83	0.52	8.27	178	0.75	0.47	8.83	189	0.67	0.39	9.49	200
1/50	0.77	0.49	9.70	200	0.71	0.43	10.2	200	0.63	0.37	11.0	200
1/60	0.64	0.39	9.20	200	0.59	0.35	9.70	200	0.51	0.29	10.4	200

INPUT rpm RATIO	900				600				300			
	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf
1/10	1.57	1.21	9.68	121	1.23	0.93	11.1	138	0.65	0.48	11.6	175
1/15	1.17	0.85	10.2	145	0.91	0.64	11.5	167	0.48	0.32	11.6	200
1/20	0.83	0.57	9.16	172	0.65	0.43	10.4	198	0.39	0.24	11.6	200
1/25	0.83	0.59	11.5	192	0.48	0.32	11.6	200	0.31	0.19	11.6	200
1/30	0.79	0.48	11.6	189	0.55	0.32	11.6	200	0.29	0.16	11.6	200
1/40	0.59	0.32	10.4	200	0.45	0.24	11.6	200	0.25	0.12	11.6	200
1/50	0.40	0.23	9.22	200	0.31	0.17	10.3	200	0.19	0.11	11.6	200
1/60	0.43	0.24	11.3	200	0.25	0.12	9.52	200	0.15	0.07	11.2	200

Single Worm Reducer/1단 웜 감속기

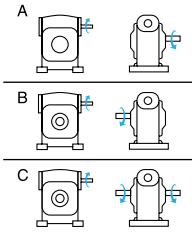
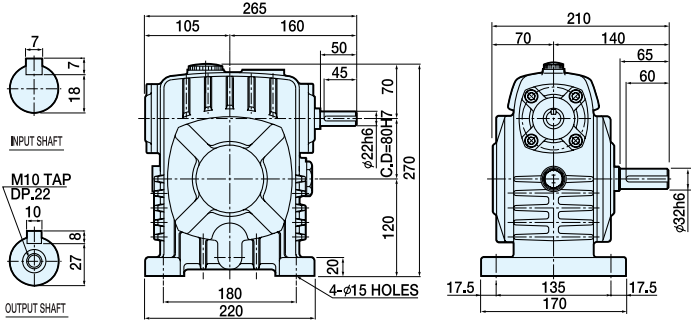
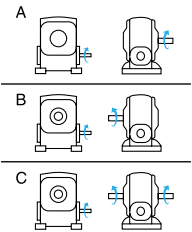
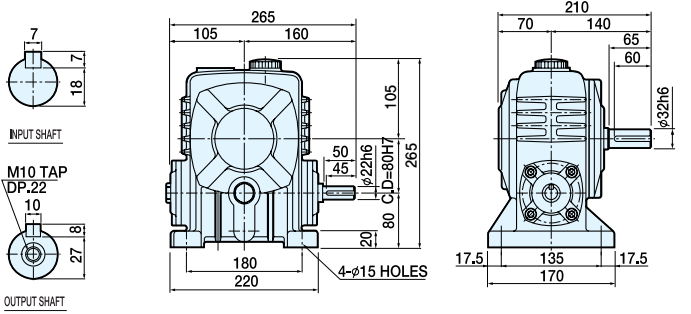
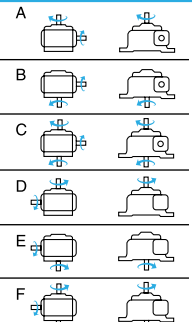
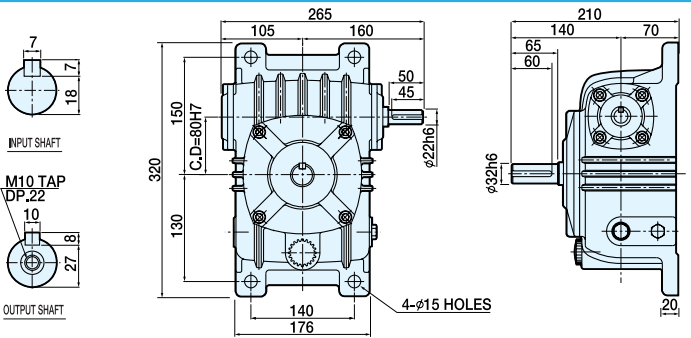
MODEL	축배치 및 회전방향	도면
 WU-70 W ≈ 15 kg		
 WB-70 W ≈ 15 kg		
 WV-70 W ≈ 15 kg		

전동능력표

수치는 1일 8~10시간 연속 운전이고 균일 하중의 수치입니다.

INPUT rpm RATIO	1800				1500				1200			
	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf
1/10	3.47	2.82	11.2	128	3.11	2.51	11.9	136	2.77	2.20	13.1	145
1/15	2.53	1.96	11.7	153	2.29	1.76	12.6	161	2.03	1.52	13.6	174
1/20	1.93	1.47	11.7	178	1.75	1.31	12.5	188	1.55	1.15	13.6	202
1/25	1.79	1.33	13.3	203	1.63	1.19	14.3	211	1.43	1.03	15.3	231
1/30	1.69	1.16	13.8	198	1.55	1.05	15.0	208	1.36	0.89	16.1	225
1/40	1.24	0.83	13.1	233	1.13	0.73	14.0	247	1.01	0.63	15.0	266
1/50	1.12	0.72	14.3	266	1.03	0.64	15.2	282	0.91	0.55	16.3	300
1/60	0.95	0.59	13.9	289	0.87	0.51	14.6	300	0.76	0.43	15.6	300

INPUT rpm RATIO	900				600				300			
	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf
1/10	2.33	1.81	14.4	159	1.85	1.41	16.9	180	1.20	0.88	21.1	228
1/15	1.73	1.28	15.2	190	1.33	0.96	17.3	218	0.87	0.59	21.4	277
1/20	1.31	0.95	15.0	222	1.03	0.71	17.1	255	0.65	0.43	20.6	300
1/25	1.21	0.85	16.8	255	0.95	0.64	20.1	284	0.60	0.39	23.8	300
1/30	1.19	0.75	17.7	247	0.92	0.56	20.1	284	0.59	0.33	23.8	300
1/40	0.87	0.51	16.5	293	0.67	0.39	18.6	300	0.43	0.23	21.9	300
1/50	0.77	0.45	17.8	300	0.60	0.33	19.7	300	0.39	0.19	23.2	300
1/60	0.65	0.36	17.0	300	0.51	0.27	18.6	300	0.32	0.15	22.0	300

MODEL	축배치 및 회전방향	도면
 WU-80 W ≈ 20 kg		
 WB-80 W ≈ 20 kg		
 WV-80 W ≈ 20 kg		

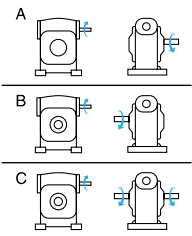
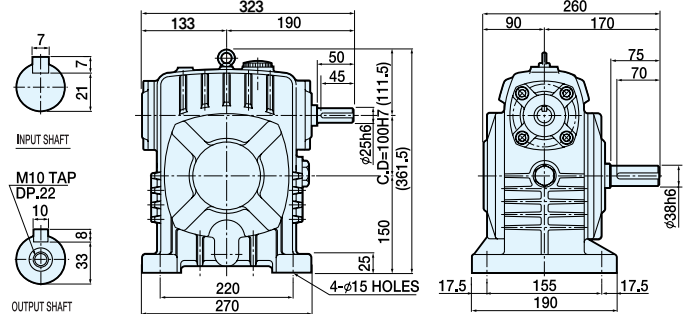
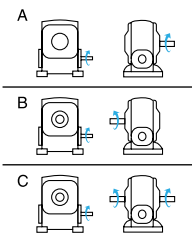
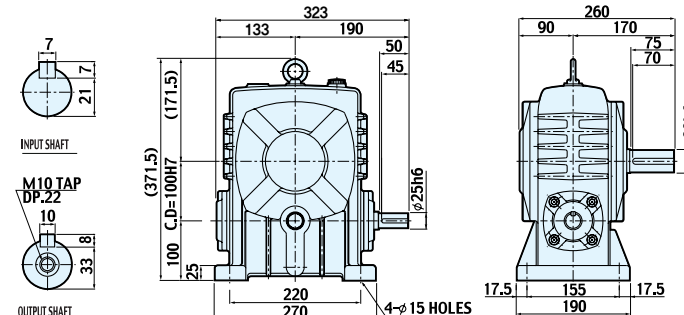
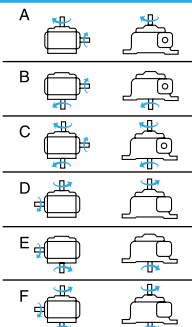
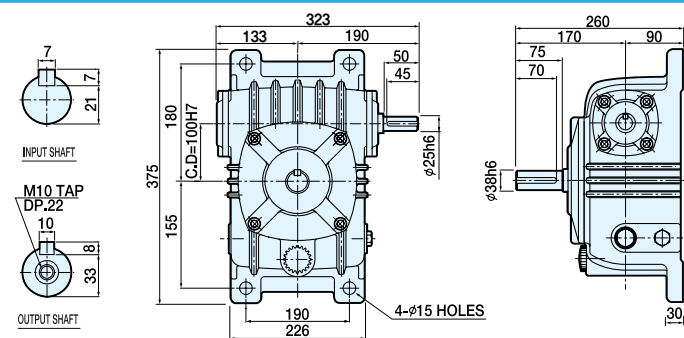
전동능력표

수치는 1일 8~10시간 연속 운전이고 균일 하중의 수치입니다.

INPUT rpm RATIO	1800				1500				1200			
	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf
1/10	4.93	4.01	15.9	180	4.43	3.59	17.0	191	3.89	3.12	18.6	204
1/15	3.60	2.79	16.7	215	3.20	2.49	17.8	228	2.83	2.17	19.4	244
1/20	2.53	1.91	15.1	253	2.31	1.71	16.3	267	2.04	1.49	17.8	287
1/25	2.49	1.87	18.5	279	2.25	1.67	19.9	296	1.99	1.44	21.4	318
1/30	2.40	1.67	19.8	277	2.13	1.47	21.1	294	1.91	1.28	22.9	316
1/40	1.71	1.11	17.5	326	1.55	0.99	18.7	347	1.39	0.85	20.4	372
1/50	1.57	1.01	20.1	364	1.43	0.91	21.6	385	1.28	0.77	23.1	400
1/60	1.29	0.79	18.9	400	1.19	0.71	20.4	400	1.05	0.60	21.6	400

INPUT rpm RATIO	900				600				300			
	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf
1/10	3.31	2.59	20.6	224	2.63	2.03	24.1	254	1.71	1.27	30.1	321
1/15	2.44	1.81	31.7	267	1.91	1.39	24.7	306	1.24	0.85	30.7	388
1/20	1.71	1.23	19.5	316	1.37	0.93	22.4	362	0.89	0.57	27.2	400
1/25	1.65	1.19	23.5	350	1.32	0.91	26.7	400	0.84	0.55	31.9	400
1/30	1.65	1.07	22.2	345	1.31	0.80	28.7	398	0.84	0.47	34.0	400
1/40	1.19	0.69	22.2	400	0.95	0.52	25.0	400	0.63	0.31	29.8	400
1/50	1.09	0.63	25.1	400	0.85	0.47	28.0	400	0.55	0.28	33.0	400
1/60	0.91	0.51	23.7	400	0.71	0.36	26.0	400	0.47	0.21	30.8	400

Single Worm Reducer/1단 웜 감속기

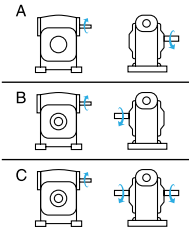
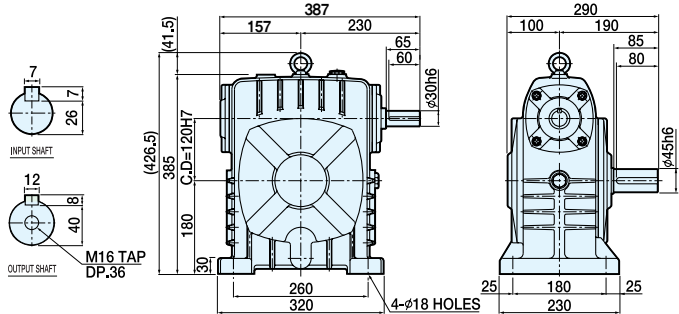
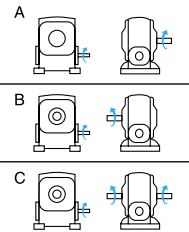
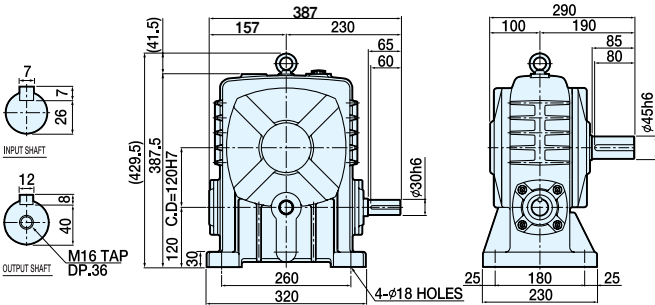
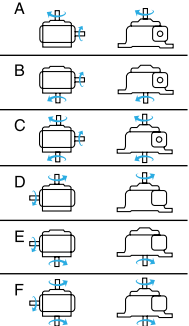
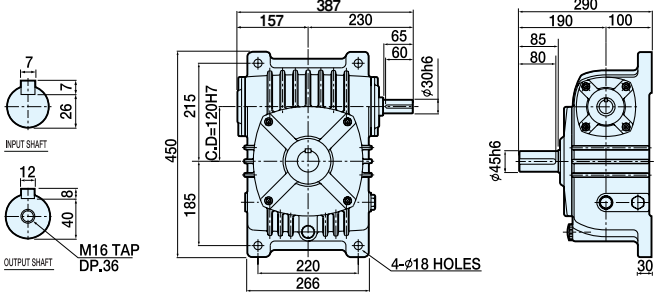
MODEL	축배치 및 회전방향	도면
 WU-100 W ≈ 40 kg		
 WB-100 W ≈ 40 kg		
 WV-100 W ≈ 45 kg		

전동능력표

수치는 1일 8~10시간 연속 운전이고 균일 하중의 수치입니다.

INPUT rpm RATIO	1800				1500				1200			
	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf
1/10	8.73	7.19	28.5	167	7.93	6.47	30.8	177	6.93	5.60	33.4	190
1/15	6.33	5.03	29.9	204	5.67	4.43	31.7	217	5.09	4.00	35.3	230
1/20	5.03	3.93	31.2	239	4.57	3.55	33.8	252	4.03	3.09	36.9	269
1/25	3.95	3.03	30.1	272	3.53	2.67	31.9	289	3.15	2.35	35.0	302
1/30	4.20	3.00	35.8	265	3.81	2.67	38.2	281	3.35	2.31	41.1	302
1/40	3.17	2.20	35.1	316	2.87	1.96	37.4	336	2.55	1.71	40.9	359
1/50	2.39	1.59	31.8	364	2.17	1.43	34.0	386	1.93	1.24	37.0	415
1/60	1.96	1.27	30.4	400	1.79	1.15	32.7	424	1.59	0.97	34.9	458

INPUT rpm RATIO	900				600				300			
	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf
1/10	5.87	4.69	37.3	207	4.68	3.65	43.3	235	2.79	2.09	50.0	297
1/15	4.33	3.29	39.3	251	3.39	2.48	44.5	289	1.99	1.39	50.0	365
1/20	3.40	2.53	40.3	297	2.67	1.93	46.2	240	1.52	1.04	50.0	435
1/25	2.67	1.92	38.2	341	2.09	1.47	43.9	390	1.27	0.83	50.0	509
1/30	2.89	1.92	46.0	330	2.23	1.39	50.0	382	1.22	0.69	50.0	538
1/40	2.03	1.28	46.0	397	1.17	1.04	50.0	458	0.92	0.52	50.0	623
1/50	1.67	1.05	40.2	458	1.29	0.75	44.7	528	0.79	0.41	50.0	650
1/60	1.37	0.79	38.1	504	1.05	0.59	42.0	583	0.68	0.35	49.8	650

MODEL	축배치 및 회전방향	도면
 WU-120 W ≈ 65 kg		
 WB-120 W ≈ 65 kg		
 WV-120 W ≈ 70 kg		

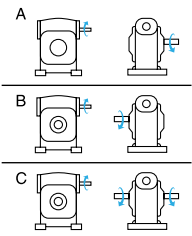
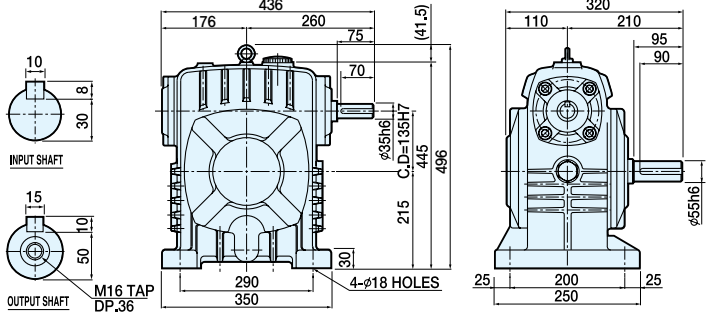
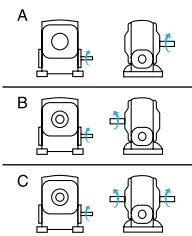
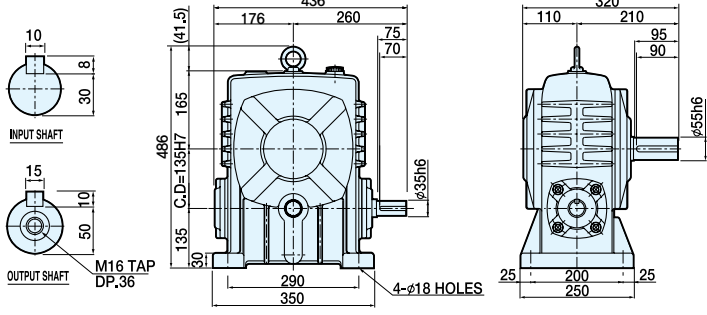
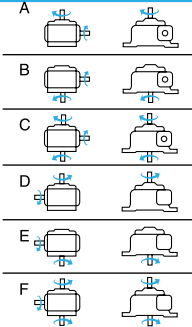
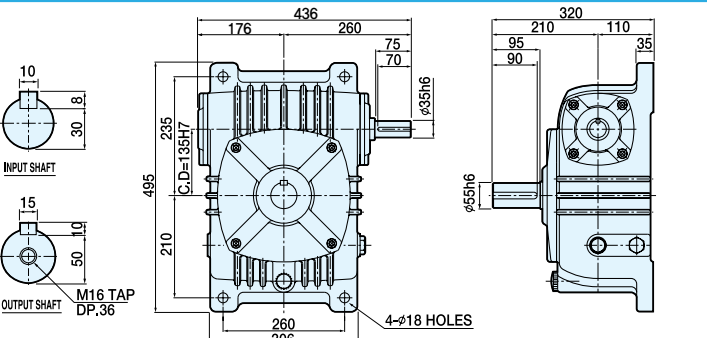
전동능력표

수치는 1일 8~10시간 연속 운전이고 균일 하중의 수치입니다.

INPUT rpm RATIO	1800				1500				1200			
	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf
1/10	13.8	11.4	45.7	177	12.6	10.4	49.6	184	11.0	9.03	53.8	198
1/15	10.0	8.05	48.0	218	9.03	7.15	51.2	231	8.08	6.32	56.5	244
1/20	7.16	5.55	44.0	270	6.49	4.97	47.4	285	5.72	4.31	51.3	306
1/25	6.67	5.21	51.8	294	5.93	4.59	54.8	313	5.28	4.05	60.4	333
1/30	6.67	4.83	57.5	285	6.00	4.28	61.3	302	5.31	3.71	66.3	325
1/40	4.68	3.19	50.7	357	4.19	2.81	53.6	380	3.77	2.45	58.5	407
1/50	3.93	2.75	54.5	404	3.55	2.43	58.0	429	3.15	2.12	63.4	459
1/60	3.15	2.04	48.9	453	2.84	1.81	51.9	481	2.52	1.56	56.2	518

INPUT rpm RATIO	900				600				300			
	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf
1/10	9.39	7.55	60.1	214	7.47	5.87	69.9	241	4.64	3.51	84.0	305
1/15	6.83	5.27	62.8	267	5.39	4.01	71.9	305	3.31	2.35	84.0	386
1/20	4.85	3.59	57.0	335	3.87	2.75	65.4	383	2.53	1.69	80.7	488
1/25	4.45	3.31	65.9	368	3.51	2.53	75.7	420	2.04	1.40	84.0	545
1/30	4.55	3.09	73.9	354	3.65	2.35	83.9	408	1.97	1.17	84.0	531
1/40	3.24	2.03	64.8	446	2.63	1.53	73.3	514	1.64	0.88	84.0	665
1/50	2.69	1.72	68.7	508	2.09	1.28	76.5	588	1.24	0.71	84.0	778
1/60	2.17	1.28	61.3	571	1.71	0.95	67.5	662	1.12	0.56	81.1	846

Single Worm Reducer/1단 웜 감속기

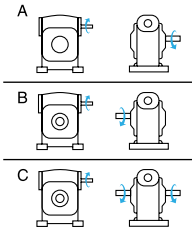
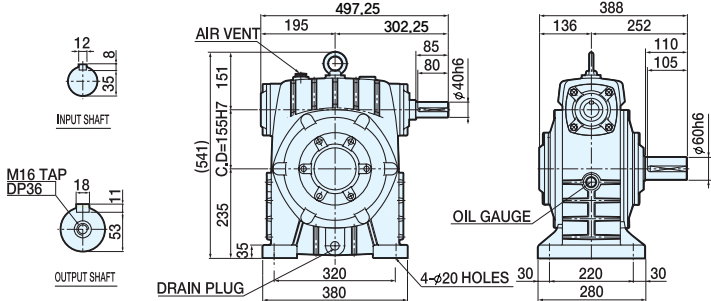
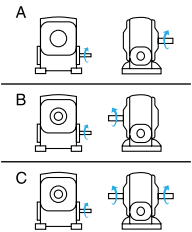
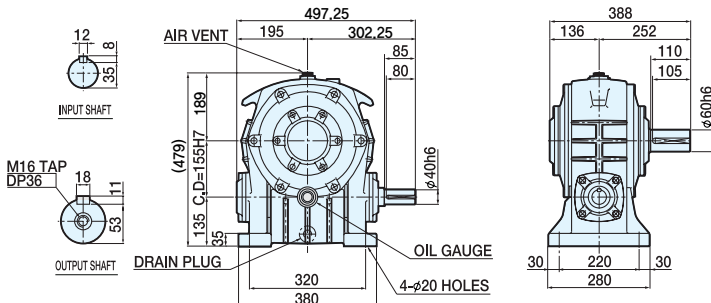
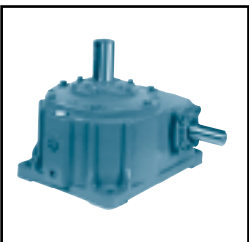
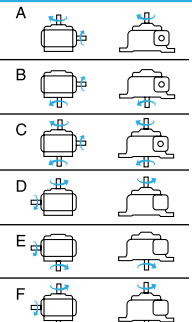
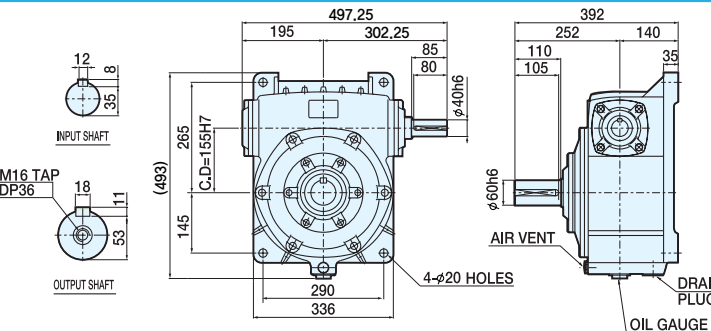
MODEL	축배치 및 회전방향	도면
 WU-135 W ≈ 90 kg		
 WB-135 W ≈ 90 kg		
 WV-135 W ≈ 95 kg		

전동능력표

수치는 1일 8~10시간 연속 운전이고 균일 하중의 수치입니다.

INPUT rpm RATIO	1800				1500				1200			
	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf
1/10	19.7	16.5	66.0	304	18.0	15.0	71.7	319	15.8	13.0	77.7	342
1/15	14.6	11.9	71.4	362	13.1	10.6	76.1	384	11.8	9.39	84.0	407
1/20	11.3	9.11	72.5	426	10.3	8.19	78.2	449	8.97	7.03	83.9	484
1/25	9.04	7.12	70.8	483	8.08	6.31	75.2	514	7.11	5.48	81.7	551
1/30	9.68	7.21	86.0	468	8.71	6.40	91.7	496	7.71	5.53	99.1	533
1/40	6.99	5.08	80.8	566	6.37	4.55	86.8	599	5.60	3.92	93.6	645
1/50	5.28	3.73	74.2	650	4.76	3.29	78.7	691	4.23	2.87	85.8	742
1/60	4.15	2.80	67.0	724	3.75	2.48	71.2	769	3.31	2.15	77.0	827

INPUT rpm RATIO	900				600				300			
	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf
1/10	13.3	10.9	86.8	372	10.6	8.46	101	42.1	6.87	5.30	126	533
1/15	9.95	7.83	93.3	445	7.83	5.96	106	510	5.11	3.73	133	644
1/20	7.69	5.92	94.3	528	6.05	4.51	107	605	3.88	2.76	131	772
1/25	6.04	4.55	90.5	605	4.75	3.46	103	693	3.00	2.08	124	890
1/30	6.59	4.63	110	583	5.24	3.50	125	670	3.13	1.95	140	866
1/40	4.80	3.27	104	707	3.81	2.45	117	814	2.43	1.45	138	1051
1/50	3.60	2.35	93.6	819	2.83	1.75	104	944	1.83	1.04	124	1200
1/60	2.84	1.76	84.1	912	2.21	1.29	92.6	1053	1.45	0.77	111	1200

MODEL	축배치 및 회전방향	도면
 WU-155 W ≈ 115 kg		
 WB-155 W ≈ 115 kg		
 WV-155 W ≈ 115 kg		

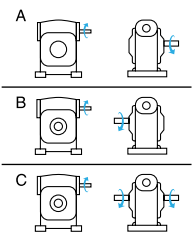
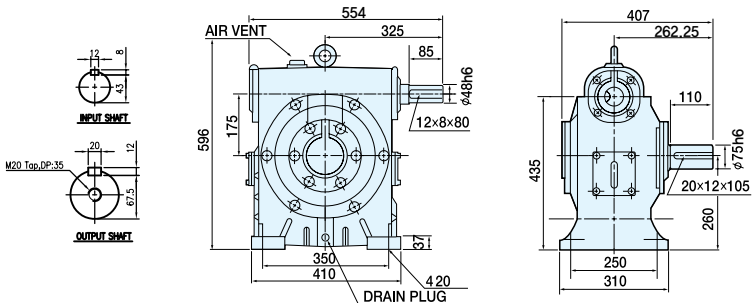
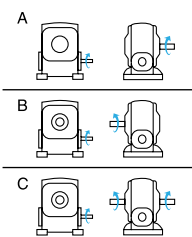
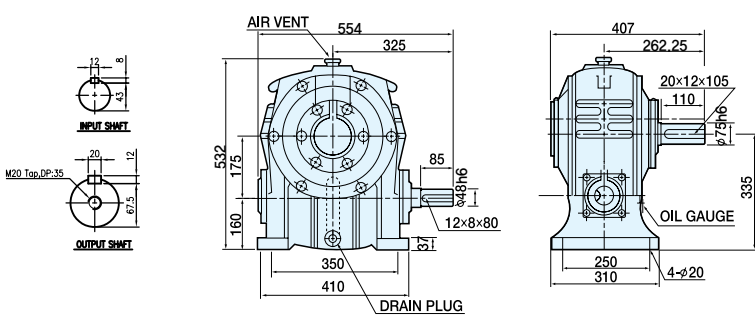
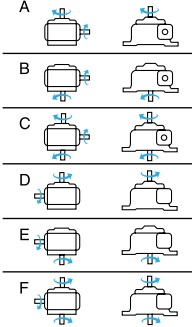
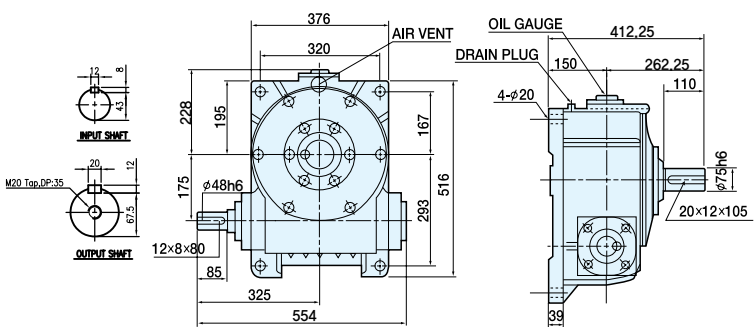
전동능력표

수치는 1일 8~10시간 연속 운전이고 균일 하중의 수치입니다.

INPUT rpm RATIO	1800				1500				1200			
	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf
1/10	32.9	27.3	105	1500	29.8	24.6	114	1500	26.4	21.7	125	1500
1/15	22.9	18.5	106	1500	20.5	16.5	114	1500	18.1	14.4	124	1500
1/20	14.9	11.8	94.5	1500	13.5	10.6	102	1500	11.9	9.29	110	1500
1/25	12.0	9.41	93.6	1500	10.8	8.42	100	1500	9.54	7.28	108	1500
1/30	13.3	9.78	112	1500	12.1	8.82	122	1500	10.4	7.55	130	1500
1/40	9.32	6.66	106	1500	8.26	5.86	112	1500	7.40	5.10	122	1500
1/50	7.13	4.97	98.9	1500	6.42	4.40	105	1500	5.76	3.84	114	1500
1/60	5.85	3.98	95.3	1500	5.37	3.57	102	1500	4.72	3.85	109	1500

INPUT rpm RATIO	900				600				300			
	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf
1/10	22.2	18.1	139	1500	17.8	14.3	165	1500	11.7	8.98	207	1500
1/15	15.4	12.0	139	1500	12.1	9.30	161	1500	8.06	5.84	202	1500
1/20	10.0	7.70	122	1500	8.01	5.94	141	1500	5.18	3.65	174	1500
1/25	8.05	6.04	120	1500	6.38	4.61	137	1500	4.09	2.80	167	1500
1/30	9.08	6.32	146	1500	7.24	4.86	168	1500	4.77	2.92	202	1500
1/40	6.28	4.22	134	1500	5.02	3.18	152	1500	3.25	1.90	182	1500
1/50	4.89	3.17	126	1500	3.90	2.37	141	1500	2.53	1.41	168	1500
1/60	3.97	2.50	118	1500	3.20	1.86	133	1500	2.10	1.12	160	1500

Single Worm Reducer/1단 웜 감속기

MODEL	축배치 및 회전방향	도면
 WU-175		
 WB-175		
 WV-175		

전동능력표

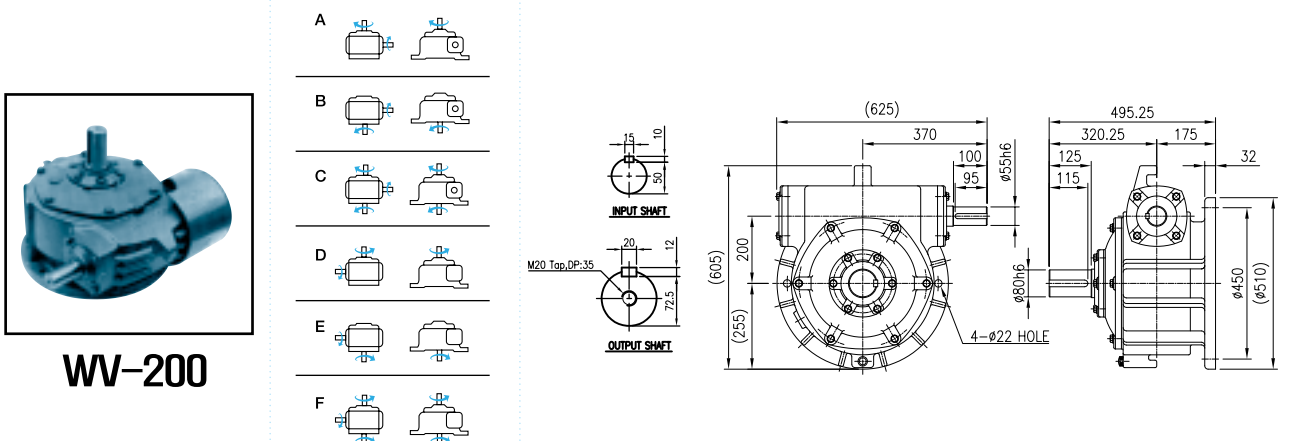
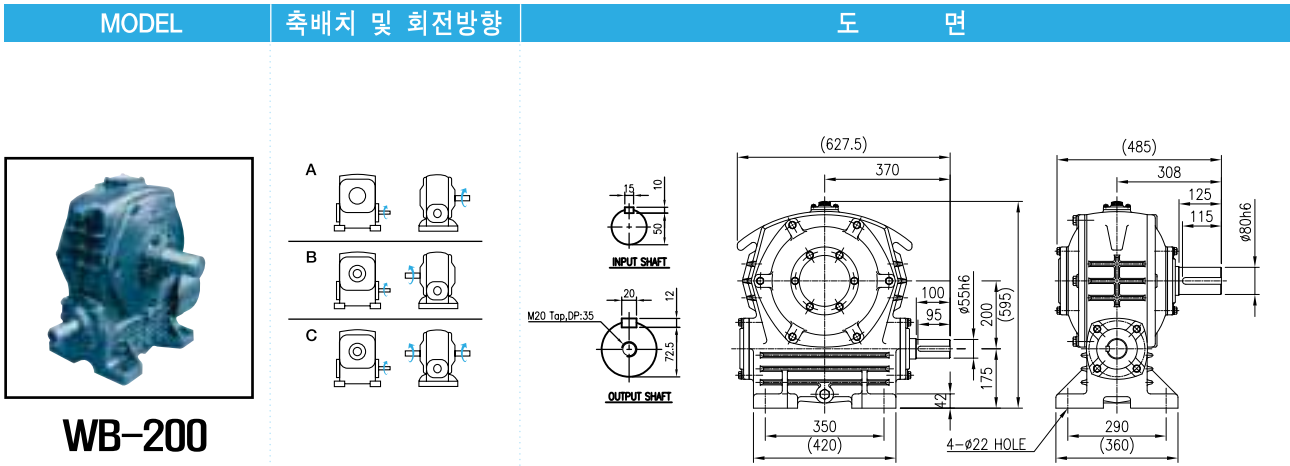
수치는 1일 8~10시간 연속 운전이고 균일 하중의 수치입니다.

INPUT rpm RATIO	1800				1500				1200			
	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf
1/10	46.8	39.1	150	1770	42.5	35.4	163	1800	37.7	31.3	180	1800
1/15	33.0	26.7	154	1800	29.6	27.9	165	1800	25.9	20.8	180	1800
1/20	22.8	18.2	141	1800	20.4	16.2	151	1800	18.0	14.2	165	1800
1/25	16.3	12.7	126	1800	14.6	11.4	136	1800	12.8	9.89	147	1800
1/30	19.0	14.1	163	1800	17.2	12.7	176	1800	15.0	11.0	190	1800
1/40	13.2	9.60	149	1800	11.9	8.58	159	1800	10.4	7.36	171	1800
1/50	9.78	6.81	135	1800	8.74	6.03	144	1800	7.98	5.37	160	1800
1/60	8.23	5.74	132	1800	7.74	5.31	147	1800	6.62	4.41	152	1800

INPUT rpm RATIO	900				600				300			
	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf
1/10	31.7	26.0	200	1800	25.2	20.4	235	1800	16.6	12.9	297	1800
1/15	22.1	17.5	202	1800	17.3	13.4	233	1800	11.4	8.44	292	1800
1/20	15.2	11.7	182	1800	12.1	9.15	212	1800	7.87	5.62	261	1800
1/25	10.8	8.18	162	1800	8.66	6.31	188	1800	5.57	3.82	228	1800
1/30	12.9	9.20	212	1800	10.2	7.04	243	1800	6.73	4.23	293	1800
1/40	8.98	6.12	190	1800	7.10	4.65	216	1800	4.69	2.80	261	1800
1/50	6.64	4.32	171	1800	5.28	3.25	194	1800	3.46	1.94	231	1800
1/60	5.56	3.60	166	1800	4.45	2.70	187	1800	2.90	1.62	224	1800

#200 이상의 모델에는 냉각팬은 주문사양입니다

정밀감속기
WORM REDUCER



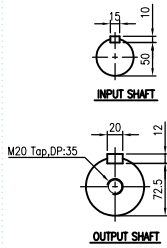
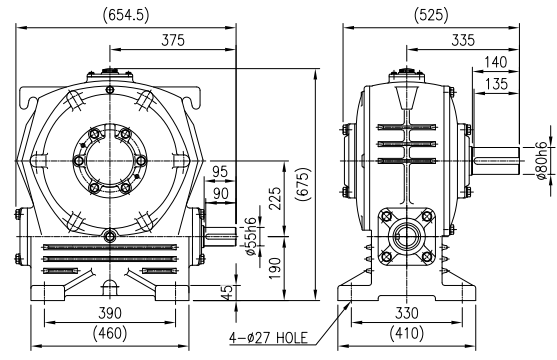
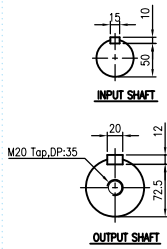
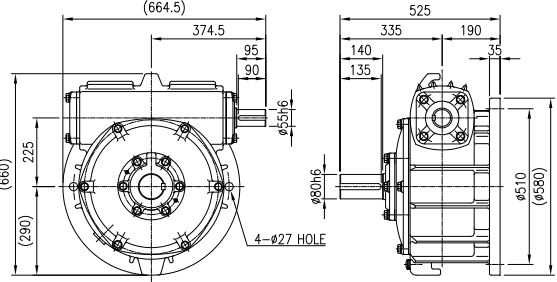
전동능력표

수치는 1일 8~10시간 연속 운전이고 균일 하중의 수치입니다.

INPUT rpm RATIO	1800				1500				1200			
	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf
1/10	52.6	44.0	181	1750	47.7	39.9	196	1840	41.8	34.8	215	1950
1/15	39.5	32.1	198	1990	35.4	28.7	212	2090	30.9	25.0	231	2200
1/20	30.2	24.3	193	2200	27.0	21.6	206	2200	23.8	18.9	226	2200
1/25	23.3	18.5	184	2200	21.0	16.6	198	2200	18.4	14.3	214	2200
1/30	25.1	18.8	232	2200	22.6	16.8	249	2200	19.8	14.6	270	2200
1/40	18.2	13.3	213	2200	16.5	12.0	230	2200	14.3	10.3	247	2200
1/50	13.8	9.84	195	2200	12.3	8.68	207	2200	11.2	7.76	231	2200
1/60	11.5	8.01	188	2200	10.3	7.11	200	2200	9.64	6.49	228	2200

INPUT rpm RATIO	900				600				300			
	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf
1/10	35.6	29.3	241	2120	28.0	22.8	281	2200	18.5	14.4	356	2200
1/15	26.3	21.0	259	2200	20.6	16.1	298	2200	13.6	10.0	373	2200
1/20	20.1	15.7	250	2200	15.9	12.2	291	2200	10.3	7.48	357	2200
1/25	15.5	11.9	237	2200	12.4	9.24	275	2200	7.97	5.59	333	2200
1/30	16.9	12.1	300	2200	13.3	9.32	345	2200	8.78	5.60	414	2200
1/40	12.3	8.62	274	2200	9.56	6.43	307	2200	6.44	3.94	376	2200
1/50	9.29	6.21	247	2200	7.33	4.69	280	2200	4.83	2.80	334	2200
1/60	7.76	5.05	237	2200	6.12	3.77	265	2200	4.03	2.26	318	2200

Single Worm Reducer/1단 웜 감속기

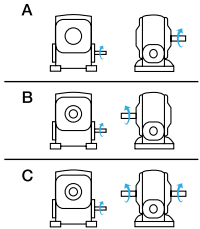
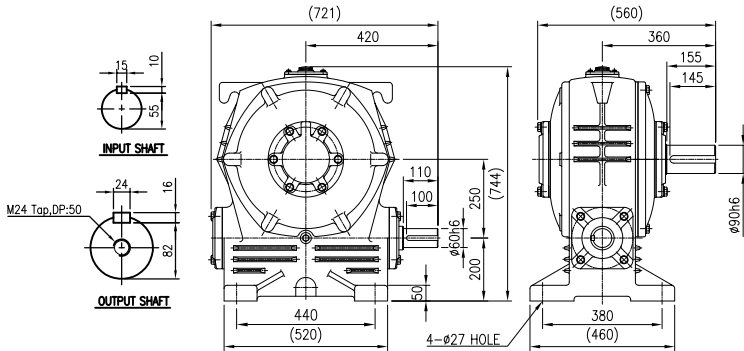
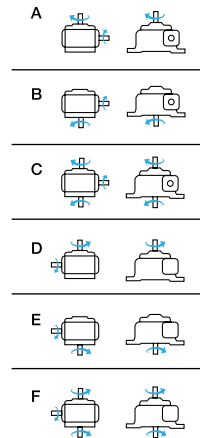
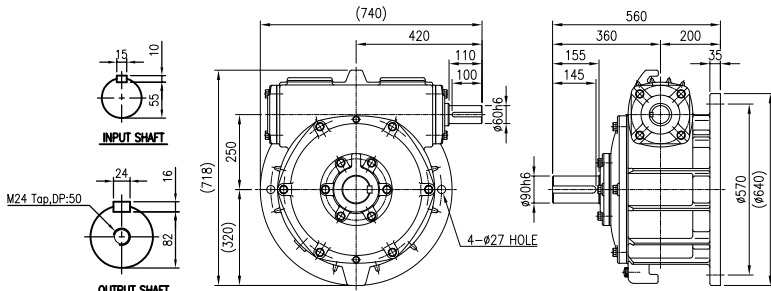
MODEL	축배치 및 회전방향	도면
 WB-225	A, B, C 	
 WV-225	A, B, C, D, E, F 	

전동능력표

수치는 1일 8~10시간 연속 운전이고 균일 하중의 수치입니다.

INPUT rpm RATIO	1800				1500				1200			
	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf
1/10	71.2	60.2	239	2150	64.6	54.5	260	2260	56.7	47.7	284	2400
1/15	56.8	46.9	280	2410	50.9	41.9	300	2500	44.4	36.4	326	2500
1/20	43.4	35.2	280	2500	38.7	31.2	298	2500	34.1	27.4	327	2500
1/25	33.4	26.8	267	2500	30.1	24.1	287	2500	26.3	20.8	311	2500
1/30	37.3	28.7	342	2500	33.5	25.6	367	2500	29.3	22.3	399	2500
1/40	25.9	19.3	307	2500	23.6	17.4	333	2500	20.4	14.9	357	2500
1/50	19.4	14.2	282	2500	17.2	12.5	299	2500	15.6	11.1	334	2500
1/60	16.0	11.3	262	2500	14.2	10.0	278	2500	13.2	9.19	318	2500

INPUT rpm RATIO	900				600				300			
	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf
1/10	48.1	40.1	319	2500	37.9	31.2	372	2500	24.9	19.8	473	2500
1/15	37.8	30.6	365	2500	29.5	23.5	422	2500	19.3	14.7	527	2500
1/20	28.8	22.8	363	2500	22.7	17.6	421	2500	14.7	10.8	518	2500
1/25	22.2	17.3	344	2500	17.6	13.4	400	2500	11.2	8.12	484	2500
1/30	24.9	18.5	442	2500	19.6	14.2	508	2500	12.7	8.54	611	2500
1/40	17.6	12.5	399	2500	13.6	9.36	447	2500	9.09	5.72	546	2500
1/50	12.9	8.96	356	2500	10.1	6.77	404	2500	6.65	4.04	482	2500
1/60	10.6	7.15	330	2500	8.37	5.35	370	2500	5.51	3.20	443	2500

MODEL	축배치 및 회전방향	도면
 WB-250	A, B, C 	
 WV-250	A, B, C, D, E, F 	

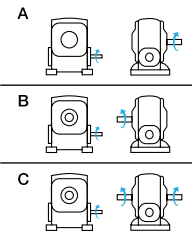
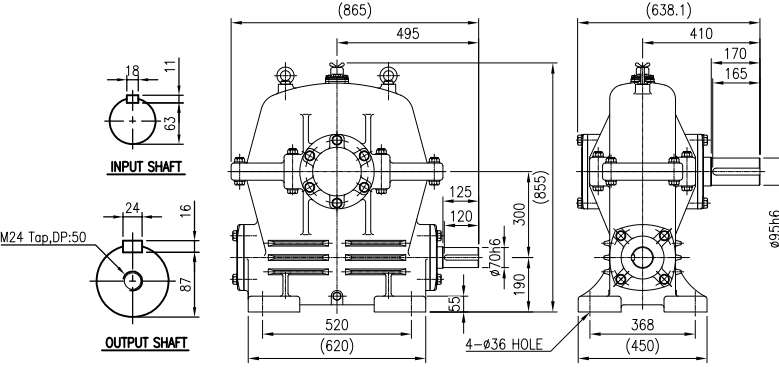
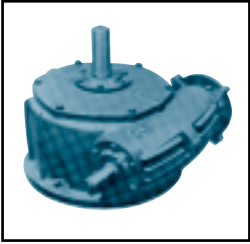
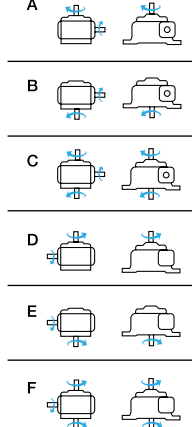
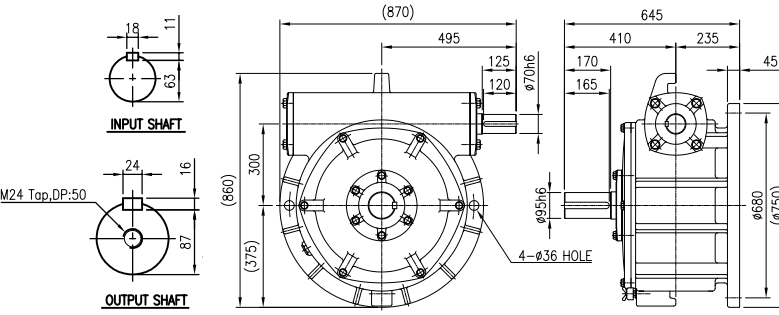
전동능력표

수치는 1일 8~10시간 연속 운전이고 균일 하중의 수치입니다.

INPUT rpm RATIO	1800				1500				1200			
	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf
1/10	96.6	81.3	323	2700	88.3	74.2	354	2700	78.4	65.7	392	2700
1/15	72.3	59.3	354	2700	66.4	54.3	389	2700	57.9	47.2	423	2700
1/20	55.3	45.0	367	2700	49.2	39.9	391	2700	43.3	35.0	428	2700
1/25	41.0	33.1	342	2700	36.9	29.6	367	2700	32.1	25.6	397	2700
1/30	47.2	35.8	427	2700	42.2	31.9	457	2700	37.1	27.9	499	2700
1/40	32.9	24.6	401	2700	29.8	22.2	435	2700	25.9	19.1	468	2700
1/50	23.7	17.3	359	2700	21.2	15.4	383	2700	18.7	13.5	418	2700
1/60	20.2	14.6	350	2700	18.0	12.9	371	2700	16.8	11.9	426	2700

INPUT rpm RATIO	900				600				300			
	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf
1/10	65.5	54.7	435	2700	51.8	42.6	508	2700	34.2	27.1	648	2700
1/15	49.0	39.7	474	2700	38.3	30.3	544	2700	25.3	19.2	689	2700
1/20	36.4	29.0	473	2700	28.7	22.4	549	2700	18.6	13.8	678	2700
1/25	27.3	21.3	441	2700	21.5	16.5	513	2700	13.7	9.96	618	2700
1/30	31.0	23.0	551	2700	24.7	17.6	633	2700	16.3	10.8	774	2700
1/40	22.8	16.4	537	2700	17.2	11.9	587	2700	11.4	7.30	715	2700
1/50	15.8	11.0	458	2700	12.2	8.23	511	2700	8.12	4.97	617	2700
1/60	13.4	9.21	439	2700	10.5	6.88	4.93	2700	6.91	4.13	591	2700

Single Worm Reducer/1단 웜 감속기

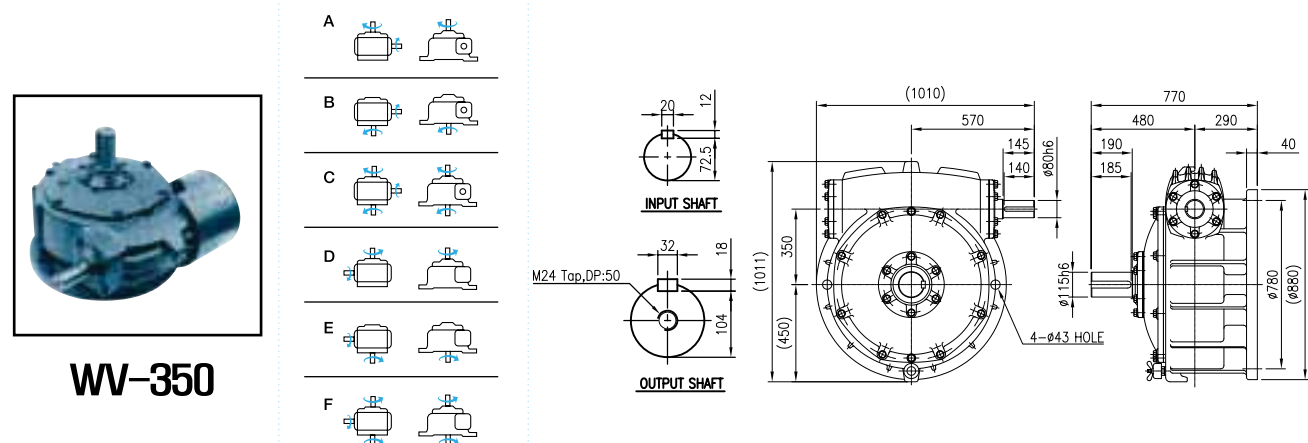
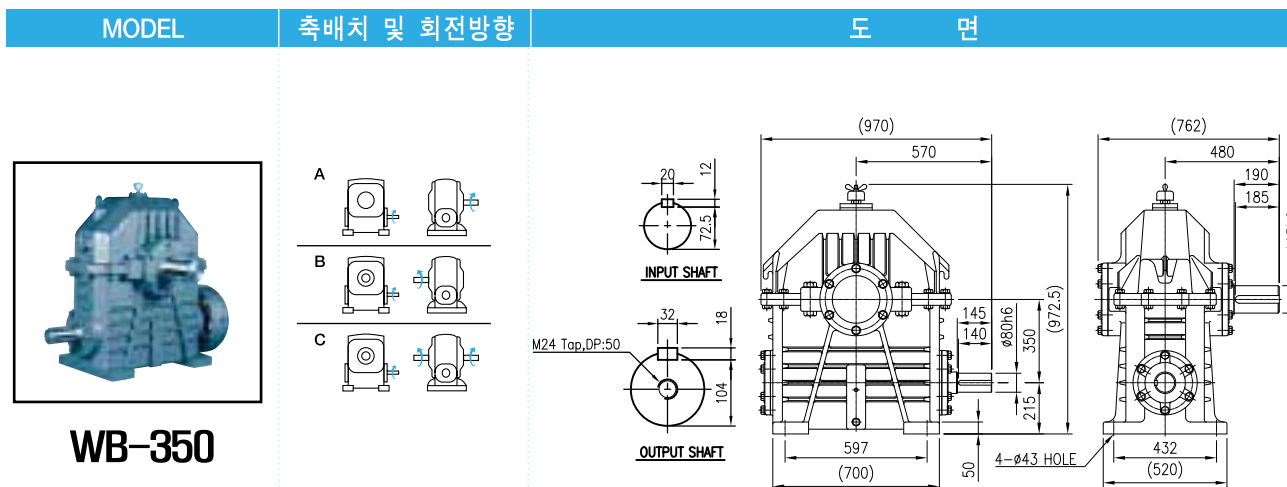
MODEL	축배치 및 회전방향	도면
 WB-300	A, B, C 	
 WV-300	A, B, C, D, E, F 	

전동능력표

수치는 1일 8~10시간 연속 운전이고 균일 하중의 수치입니다.

INPUT rpm RATIO	1800				1500				1200			
	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf
1/10	137	116	479	2360	126	106	527	2470	111	94.3	581	2610
1/15	116	96.8	597	2600	107	88.9	658	2710	93.2	77.2	714	2880
1/20	93.8	77.1	614	2860	84.4	69.3	662	3000	73.5	60.1	718	3200
1/25	70.1	56.6	563	3100	62.9	50.7	605	3320	55.6	44.6	665	3510
1/30	80.1	62.3	769	3160	71.5	55.5	822	3330	62.8	48.6	899	3530
1/40	57.0	43.5	692	3600	50.8	38.7	740	3790	44.6	33.7	805	3800
1/50	40.6	29.9	595	3800	36.3	26.7	637	3800	31.8	23.1	691	3800
1/60	32.3	23.5	570	3800	29.1	21.0	612	3800	25.3	18.1	658	3800

INPUT rpm RATIO	900				600				300			
	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf
1/10	93.3	78.7	647	2830	73.5	61.1	753	3170	48.3	38.9	961	3800
1/15	78.8	64.9	800	3120	61.4	49.6	919	3500	40.4	31.4	1160	3800
1/20	61.6	49.9	795	3470	48.5	38.5	920	3800	31.7	24.1	1150	3800
1/25	46.1	36.6	729	3810	36.5	28.3	845	3800	23.7	17.4	1030	3800
1/30	52.4	40.2	992	3800	41.5	30.7	1130	3800	23.3	16.2	1200	3800
1/40	39.3	29.2	931	3800	29.7	21.3	1010	3800	18.8	12.5	1200	3800
1/50	27.4	19.6	781	3800	21.1	14.4	863	3800	13.9	8.75	1040	3800
1/60	21.5	15.0	728	3800	16.6	11.1	811	3800	11.0	6.71	977	3800



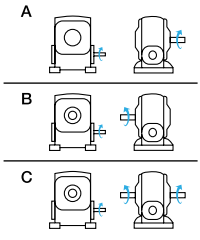
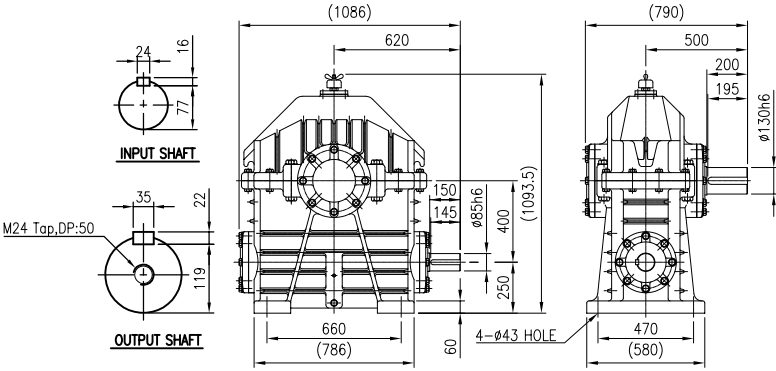
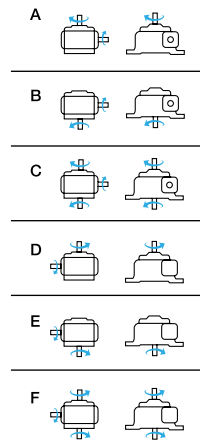
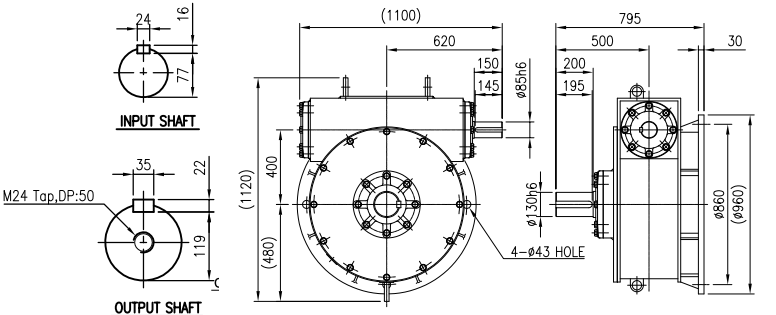
전동능력표

수치는 1일 8~10시간 연속 운전이고 균일 하중의 수치입니다.

INPUT rpm RATIO	1800				1500				1200			
	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf
1/10	-	-	-	-	183	155	769	3200	164	139	859	3380
1/15	-	-	-	-	157	130	968	3500	140	116	1070	3692
1/20	147	122	946	3620	135	112	1040	3770	117	96.4	1120	4020
1/25	112	92.3	918	4040	100	82.2	981	4250	88.8	72.4	1080	4510
1/30	-	-	-	-	91.4	78.4	1240	4260	79.7	61.2	1340	4530
1/40	87.9	67.7	1050	4590	78.6	60.4	1120	4830	69.5	53.2	1230	5100
1/50	64.5	48.9	974	5100	57.8	43.7	1040	5100	50.5	37.9	1130	5100
1/60	49.4	36.4	869	5100	44.2	32.4	930	5100	38.7	28.1	1000	5100

INPUT rpm RATIO	900				600				300			
	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf
1/10	137	116	955	3660	108	90.7	1110	4080	71.1	57.8	1420	4970
1/15	117	97.5	1200	3990	92.3	75.1	1390	4470	60.2	47.3	1750	5100
1/20	99.4	81.4	1260	4340	77.5	62.2	1440	4870	50.1	38.6	1800	5100
1/25	73.5	59.4	1180	4910	58.0	45.9	1370	5100	37.3	28.1	1680	5100
1/30	78.8	60.8	1500	4900	62.4	46.9	1730	5100	34.3	24.3	1800	5100
1/40	58.0	43.9	1360	5100	45.6	33.4	1550	5100	28.2	19.3	1800	5100
1/50	43.6	32.2	1280	5100	33.2	23.6	1410	5100	21.7	14.3	1710	5100
1/60	32.5	23.2	1110	5100	25.3	17.3	1240	5100	16.8	10.5	1500	5100

Single Worm Reducer/1단 웜 감속기

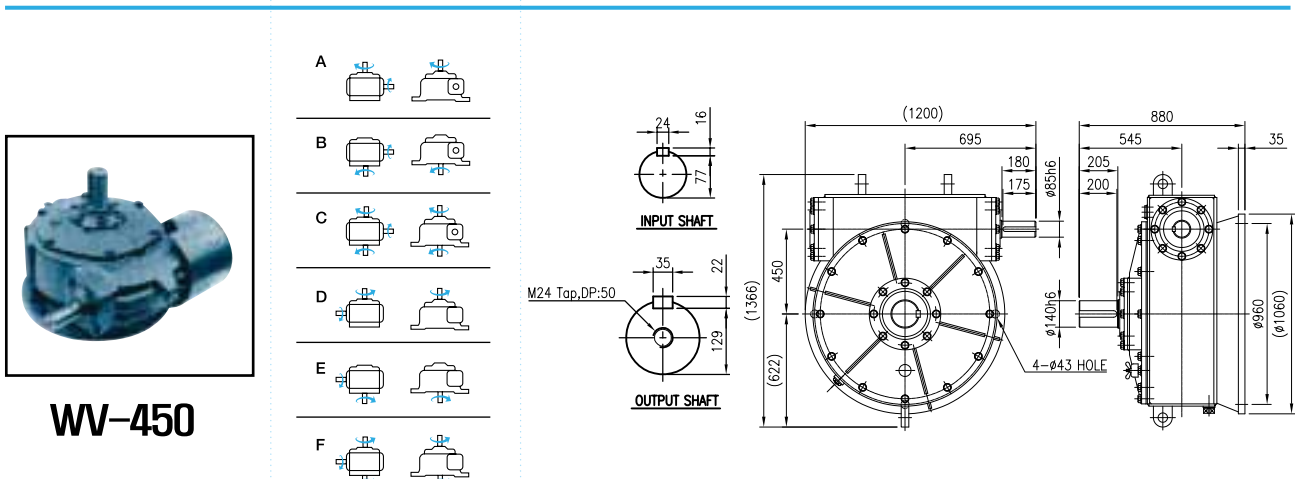
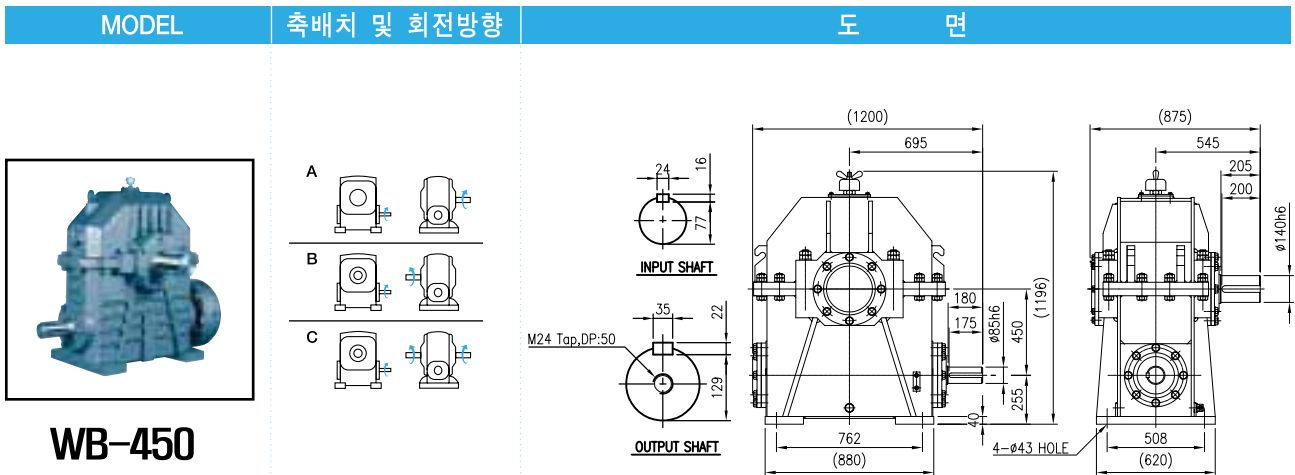
MODEL	축배치 및 회전방향	도면
 WB-400	A, B, C 	
 WV-400	A, B, C, D, E, F 	

전동능력표

수치는 1일 8~10시간 연속 운전이고 균일 하중의 수치입니다.

INPUT rpm RATIO	1800				1500				1200			
	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf
1/10	-	-	-	-	266	266	1110	3790	238	202	1240	4000
1/15	-	-	-	-	218	181	1340	4200	196	163	1500	4420
1/20	-	-	-	-	171	141	1380	4700	148	122	1500	5010
1/25	-	-	-	-	141	116	1390	5100	124	101	1520	5420
1/30	-	-	-	-	149	116	1710	5110	129	100	1860	5440
1/40	-	-	-	-	104	80.9	1580	5920	92.4	71.0	1730	6280
1/50	-	-	-	-	81.9	62.5	1490	6490	71.8	54.4	1620	6910
1/60	-	-	-	-	65.6	49.2	1380	7000	57.4	42.8	1500	7000

INPUT rpm RATIO	900				600				300			
	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf
1/10	201	170	1400	4310	158	133	1640	4810	104	85.5	2100	5830
1/15	163	135	1670	4790	127	104	1930	5360	84.7	67.1	2480	6490
1/20	126	103	1680	5410	98.6	79.5	1940	6070	63.9	49.6	2430	7000
1/25	103	84.4	1680	5880	81.5	65.0	1940	6600	52.5	40.1	2390	7000
1/30	110	85.1	2100	5860	90.7	68.7	2540	6440	48.6	34.8	2580	7000
1/40	77.5	59.0	1920	6820	61.0	45.1	2200	7000	38.0	26.3	2580	7000
1/50	59.9	45.0	1790	7000	46.8	33.9	2020	7000	30.5	20.5	2450	7000
1/60	48.2	35.4	1660	7000	37.4	26.4	1860	7000	24.6	16.0	2260	7000



전동능력표

수치는 1일 8~10시간 연속 운전이고 균일 하중의 수치입니다.

INPUT rpm RATIO	1800				1500				1200			
	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf
1/10	-	-	-	-	-	-	-	-	299	254	1570	4730
1/15	-	-	-	-	-	-	-	-	269	225	2080	5060
1/20	-	-	-	-	229	190	1860	5440	201	167	2040	5770
1/25	-	-	-	-	188	154	1880	5930	164	134	2040	6310
1/30	-	-	-	-	-	-	-	-	183	143	2660	6140
1/40	-	-	-	-	144	112	2190	6800	126	98.2	2400	7220
1/50	-	-	-	-	107	81.5	1980	7610	93.7	71.1	2160	8100
1/60	-	-	-	-	84.8	63.2	1840	8270	73.1	54.3	1970	8830

INPUT rpm RATIO	900				600				300			
	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf
1/10	255	216	1780	5090	200	168	2080	5680	131	108	2670	6880
1/15	226	188	2320	5460	176	145	2690	6100	108	87.2	3230	7380
1/20	171	141	2300	6220	133	108	2640	6980	84.0	65.9	3230	8550
1/25	137	112	2280	6830	108	86.8	2640	7650	69.0	53.0	3230	9430
1/30	155	121	3000	6600	113	87.2	3230	7300	59.4	43.6	3230	9130
1/40	106	81.8	2670	7820	83.6	62.7	3070	8780	46.7	32.9	3230	10000
1/50	78.5	58.9	2390	8800	61.5	44.7	2720	9910	39.1	26.5	3230	10000
1/60	61.5	45.1	2190	9600	47.9	33.8	2460	10000	31.6	20.6	3000	10000

Single Worm Reducer/1단 웜 감속기

MODEL

축배치 및 회전방향

도면

WB-500

Technical drawing of the WB-500 pump unit showing input and output shaft details and overall dimensions.

INPUT SHAFT

Dimensions: 24, 16, 87, 42, 26, 157, 880 (1050), 810, 1390, 205, 200, 500, 1319.5, 290, 45, 4-Ø48 HOLE, 95h6, 240, 235, 610, 584, 710, 949, Ø170h6.

OUTPUT SHAFT

Dimensions: 24, 16, 87, 42, 26, 157, 880 (1050), 810, 1390, 205, 200, 500, 1319.5, 290, 45, 4-Ø48 HOLE, 95h6, 240, 235, 610, 584, 710, 949, Ø170h6.

WV-500

Technical drawing of the WV-500 pump unit showing input and output shaft details and overall dimensions.

INPUT SHAFT

Dimensions: 24, 16, 87, 42, 26, 157, 880 (1050), 810, 1390, 205, 200, 500, 1319.5, 290, 45, 4-Ø48 HOLE, 95h6, 240, 235, 610, 584, 710, 949, Ø170h6.

OUTPUT SHAFT

Dimensions: 24, 16, 87, 42, 26, 157, 880 (1050), 810, 1390, 205, 200, 500, 1319.5, 290, 45, 4-Ø48 HOLE, 95h6, 240, 235, 610, 584, 710, 949, Ø170h6.

● 전동능력표

수치는 1일 8~10시간 연속 운전이고 균일 하중의 수치입니다.

INPUT rpm RATIO	1800				1500				1200			
	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf
1/10	-	-	-	-	-	-	-	-	400	340	2090	13000
1/15	-	-	-	-	-	-	-	-	348	290	2680	13000
1/20	-	-	-	-	-	-	-	-	265	220	2690	13000
1/25	-	-	-	-	248	203	2470	13000	215	176	2680	13000
1/30	-	-	-	-	-	-	-	-	235	184	3400	13000
1/40	-	-	-	-	-	-	-	-	164	127	3120	13000
1/50	-	-	-	-	139	106	2580	13000	122	92.9	2820	13000
1/60	-	-	-	-	110	82.0	2390	13000	95.4	70.8	2580	13000

INPUT rpm RATIO	900				600				300			
	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf
1/10	346	294	2410	13000	270	228	2820	13000	177	146	3610	13000
1/15	296	246	3030	13000	231	191	3530	13000	151	121	4510	13000
1/20	223	184	3000	13000	174	142	3480	13000	112	89.0	4350	13000
1/25	182	149	3020	13000	148	119	3620	13000	91.4	70.7	4300	13000
1/30	199	155	3840	13000	155	119	4430	13000	100	73.8	5460	13000
1/40	138	106	3470	13000	107	81.5	3990	13000	69.5	49.7	4860	13000
1/50	102	76.8	3110	13000	79.8	58.4	3560	13000	51.6	35.4	4310	13000
1/60	79.8	58.7	2850	13000	62.1	44.3	3220	13000	41.0	27.1	3950	13000

입력중공축형 감속기의 IEC 프레임 모터 장착표(#50~#155)

입력크기 #	형번	감속비	커플링 연결시 상용 입력	IEC 플랜지형 중공축 모델			DOUBLE형 적용시(※※)
				모터 동력	모터 축경	IEC 프레임 #	
50	WU50 WB50 WV50	1/10	0.2kw	0.2kw	11mm	63	DWB80 DWV80
		1/15, 1/20					
		1/30					
		1/40					
		1/50					
		1/60					
60	WU60 WB60 WV60	1/10	0.4kw	0.4kw	14mm	71	DWB100 DWV100
		1/15, 1/20					
		1/30					
		1/40					
		1/50					
		1/60	더 큰 형번을 선정하십시오.				
70	WU70 WB70 WV70	1/10	0.75kw	0.4kw 0.75kw	19mm(※)	80L(※)	DWB120 DWV120
		1/15, 1/20					
		1/30					
		1/40					
		1/50	0.4kw	0.4kw	14mm	71	
		1/60					
80	WU80 WB80 WV80	1/10	1.5kw	0.75kw	19mm	80L	DWB135 DWV135
		1/15, 1/20					
		1/30					
		1/40	0.75kw				
		1/50					
		1/60					
100	WU100 WB100 WV100	1/10	2.2kw	1.5kw	24mm	90L	DWB155 DWV155
		1/15, 1/20					
		1/30					
		1/40	1.5kw				
		1/50					
		1/60					
120	WU120 WB120 WV120	1/10	3.7kw	3.7kw 2.2kw	28mm	112M 112S	DWB175 DWV175
		1/15, 1/20					
		1/30					
		1/40	2.2kw	2.2kw	28mm	112S	
		1/50					
		1/60					
135	WU135 WB135 WV135	1/10	5.5kw	5.5kw	38mm	132S	DWB200 DWV200
		1/15, 1/20					
		1/30					
		1/40	3.7kw	3.7kw	28mm	112M	
		1/50					
		1/60					
155	WU155 WB155 WV155	1/10	7.5kw	7.5kw 5.5kw	38mm	132M 132W	DWB225 DWV225
		1/15, 1/20					
		1/30					
		1/40	5.5kw	5.5kw	38mm	132S	
		1/50					
		1/60					

(※) : OPTION 품목으로, 연결축과 플랜지가 별도로 판매됩니다.

(※※) : Double형의 감속비는 1/90~1/3,600 범위의 것이 있습니다.

Single Worm Reducer/1단 웜 감속기

MODEL

축배치 및 회전방향

도면

WUM-50

Three views (A, B, C) of the WUM-50 pump shaft and coupling assembly. View A shows the front view of the coupling. View B shows the side view of the coupling. View C shows the front view of the pump shaft.

Technical drawing of the WUM-50 pump assembly. The front view shows a pump head with a 150mm width and 178.5mm height. The top view shows a 177mm width and 165mm height. The shaft view shows an input shaft with 4- $\phi 11$ HOLES and an output shaft with an M5 TAP DP.12. The coupling is labeled 4-M8 and B.C.D $\phi 115$.

WBM-50

Three views (A, B, C) of the WBM-50 pump shaft and coupling assembly. View A shows the front view of the coupling. View B shows the side view of the coupling. View C shows the front view of the pump shaft.

Technical drawing of the WBM-50 pump assembly. The front view shows a pump head with a 150mm width and 173.5mm height. The top view shows a 177mm width and 145mm height. The shaft view shows an input shaft with 4- $\phi 11$ HOLES and an output shaft with an M5 TAP DP.12. The coupling is labeled 4-M8 and B.C.D $\phi 115$.

WVM-50

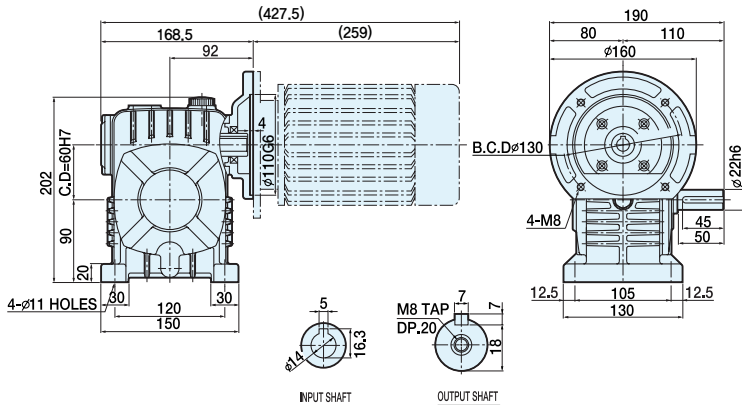
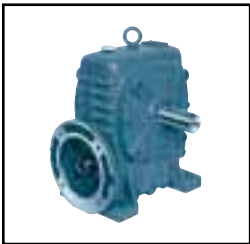
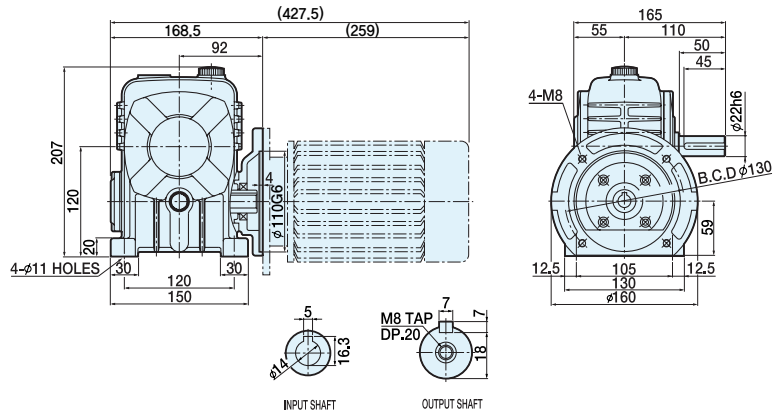
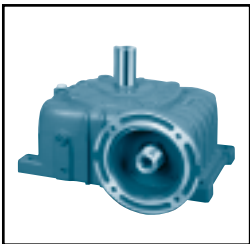
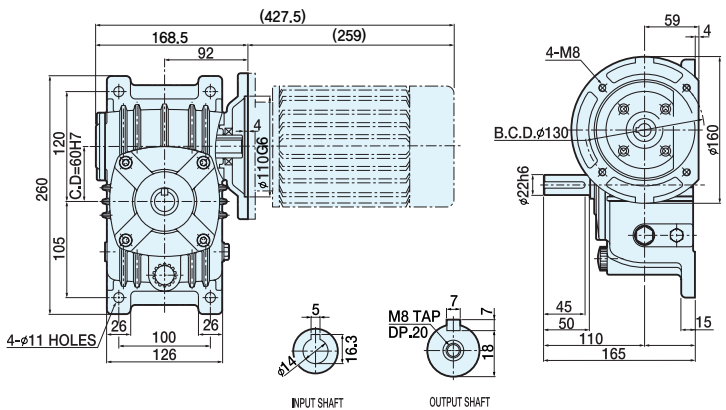
Six views (A, B, C, D, E, F) of the WVM-50 pump shaft and coupling assembly. Views A, B, and C show the front, side, and front views of the coupling. Views D, E, and F show the front, side, and front views of the pump shaft.

Technical drawing of the WVM-50 pump assembly. The front view shows a pump head with a 150mm width and 220mm height. The top view shows a 177mm width and 145mm height. The shaft view shows an input shaft with 4- $\phi 11$ HOLES and an output shaft with an M5 TAP DP.12. The coupling is labeled 4-M8 and B.C.D $\phi 115$.

● 전동능력표

수치는 1일 8~10시간 연속 운전이고 균일 하중의 수치입니다.

RATIO \ INPUT rpm	1800				1500			
	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf
1/10	0.25	0.21	0.86	100	0.25	0.21	0.85	107
1/15	0.25	0.2	1.24	115	0.25	0.2	1.47	115
1/20	0.25	0.2	1.59	115	0.25	0.2	1.89	115
1/30	0.25	0.17	2.16	115	0.25	0.17	2.48	115
1/40	0.25	0.17	2.75	115	0.25	0.17	3.29	115
1/50	0.25	0.16	3.17	115	0.25	0.16	3.75	115
1/60	0.25	0.16	3.95	115	0.25	0.15	4.45	115

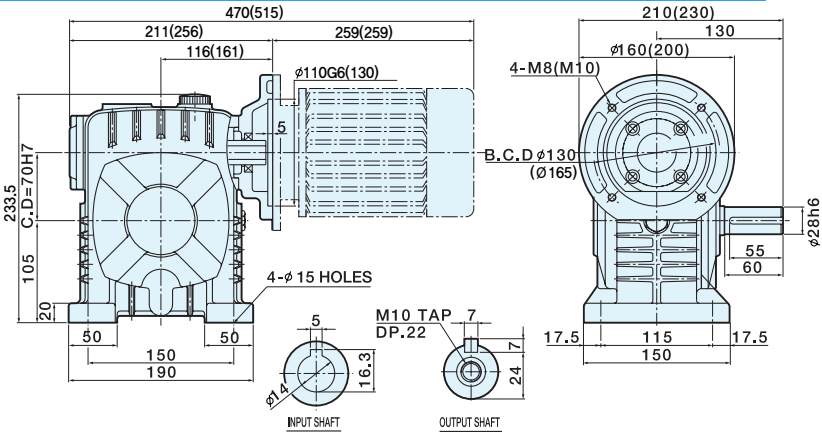
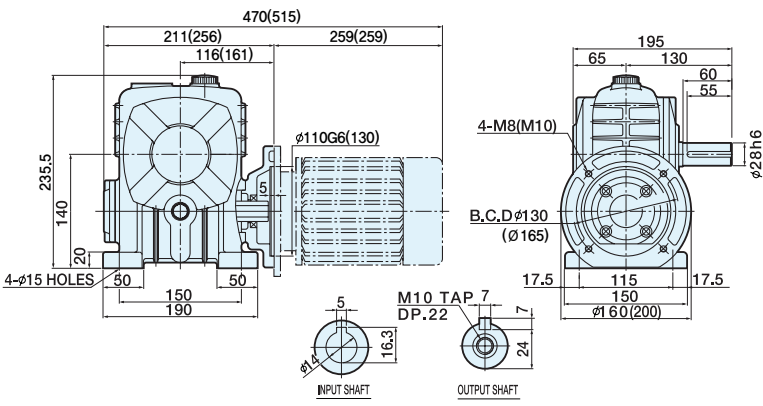
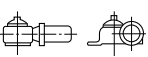
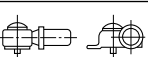
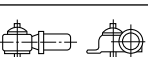
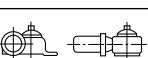
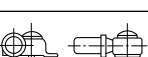
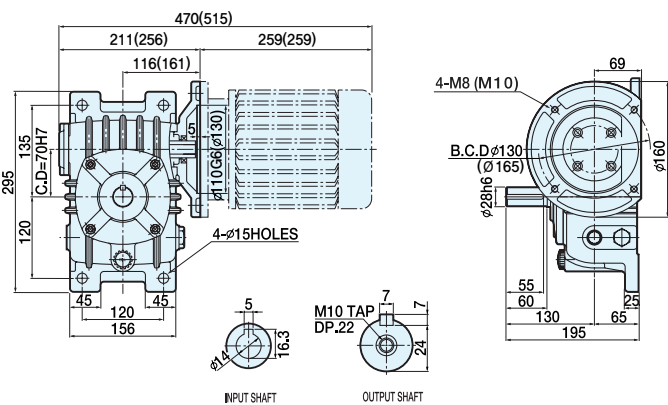
MODEL	축배치 및 회전방향	도면
 WUM-60	A B C	
 WBM-60	A B C	
 WVM-60	A B C D E F	

전동능력표

수치는 1일 8~10시간 연속 운전이고 균일 하중의 수치입니다.

RATIO	1800				1500			
	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf
1/10	0.50	0.43	1.74	98	0.5	0.43	2.08	104
1/15	0.50	0.41	2.49	116	0.5	0.41	2.99	123
1/20	0.50	0.40	3.19	138	0.5	0.39	3.46	146
1/30	0.50	0.35	4.23	151	0.5	0.36	5.23	159
1/40	0.50	0.33	5.45	178	0.5	0.33	6.49	189
1/50	-	-	-	-	-	-	-	-
1/60	-	-	-	-	-	-	-	-

Single Worm Reducer/1단 웜 감속기

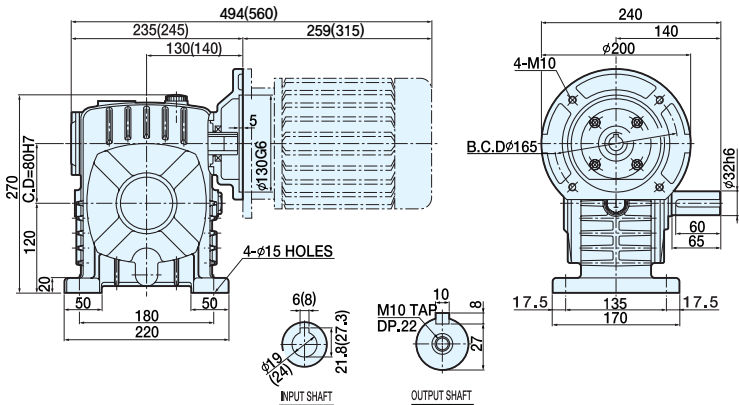
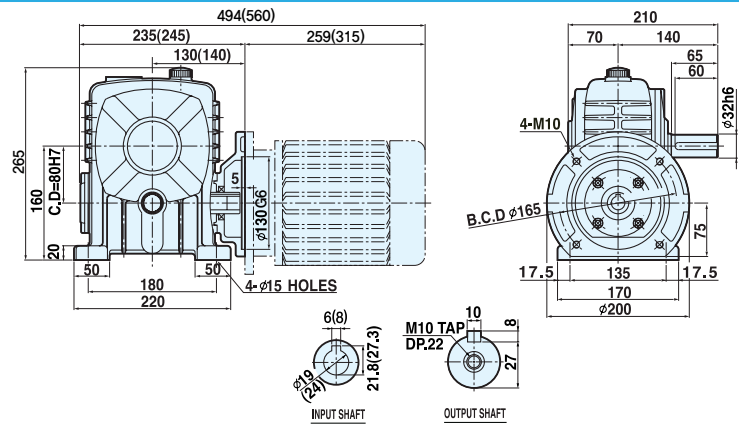
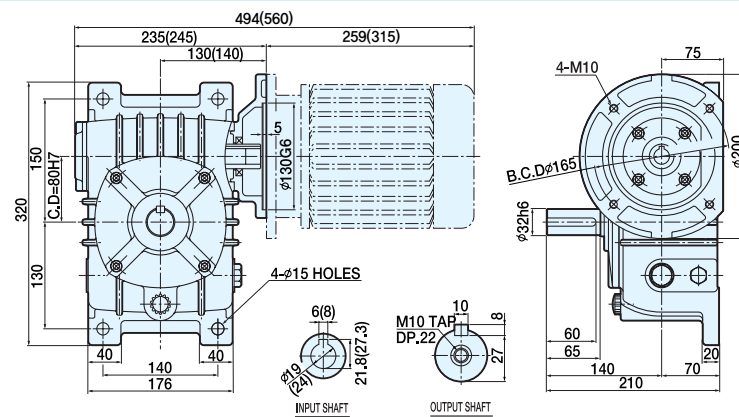
MODEL	축배치 및 회전방향	도면
 WUM-70	A  B  C 	
 WBM-70	A  B  C 	
 WVM-70	A  B  C  D  E  F 	

*()안의 치수는 1HP모터 치수임.

전동능력표

수치는 1일 8~10시간 연속 운전이고 균일 하중의 수치입니다.

INPUT rpm RATIO	1800				1500			
	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf
1/10	1.00	0.80	3.22	128	1.00	0.80	3.84	136
1/15	1.00	0.76	4.63	153	1.00	0.76	5.51	161
1/20	1.00	0.76	6.06	178	1.00	0.75	7.17	188
1/30	1.00	0.68	8.21	198	1.00	0.67	9.71	208
1/40	1.00	0.65	10.58	233	1.00	0.64	12.40	247
1/50	0.50	0.34	6.96	266	0.5	0.33	8.10	282
1/60	0.50	0.33	8.05	289	0.5	0.30	9.11	300

MODEL	축배치 및 회전방향	도면
 WUM-80	A B C	
 WBM-80	A B C	
 WVM-80	A B C D E F	

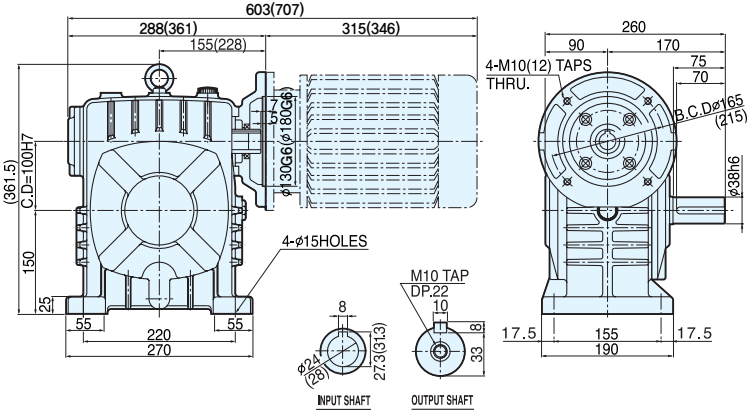
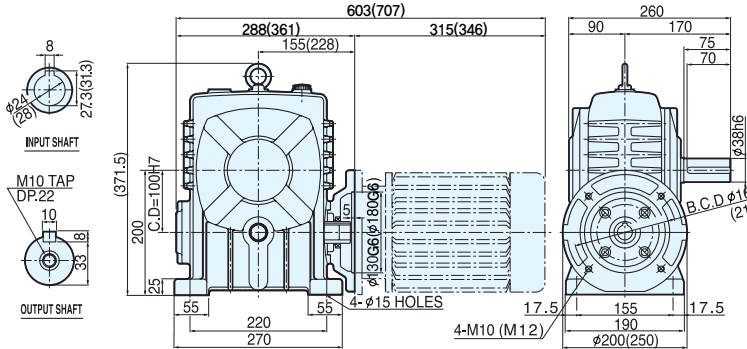
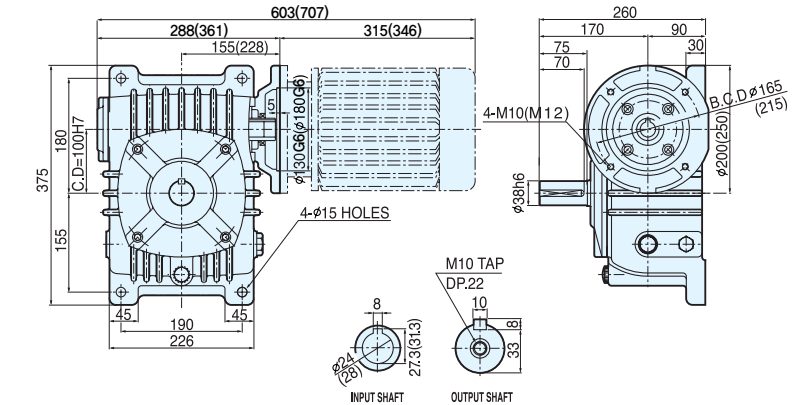
*()안의 치수는 2HP모터 치수임.

전동능력표

수치는 1일 8~10시간 연속 운전이고 균일 하중의 수치입니다.

RATIO	1800				1500			
	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf
1/10	2.00	1.65	6.59	180	2.00	1.61	7.72	191
1/15	2.00	1.57	9.41	215	2.00	1.56	11.16	228
1/20	2.00	1.53	12.22	253	2.00	1.52	14.50	267
1/30	2.00	1.44	17.13	277	2.00	1.33	19.20	294
1/40	1.00	0.65	10.64	320	1.00	0.65	12.40	340
1/50	1.00	0.65	13.10	364	1.00	0.64	15.25	385
1/60	1.00	0.60	14.28	400	0.75	0.57	15.70	400

Single Worm Reducer/1단 웜 감속기

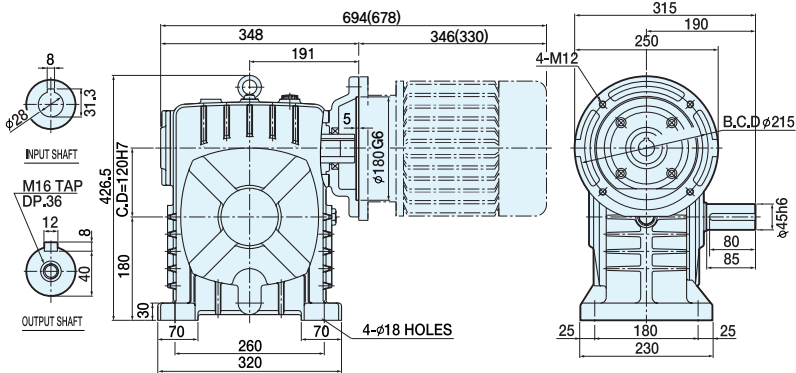
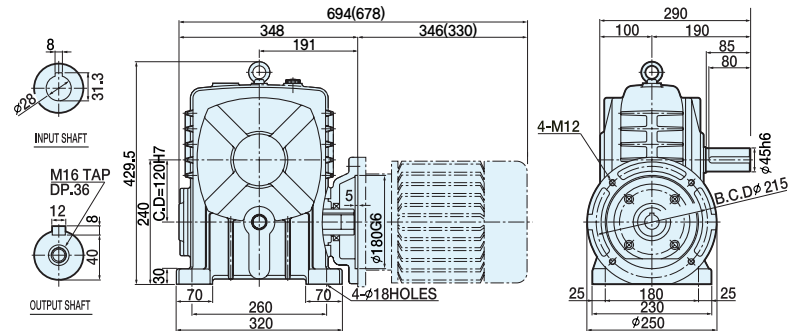
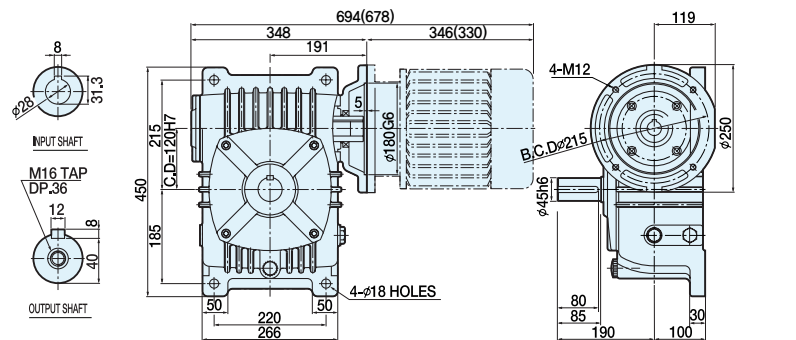
MODEL	축배치 및 회전방향	도면
 WUM-100	A  B  C 	
 WBM-100	A  B  C 	
 WVM-100	A  B  C  D  E  F 	

*()안의 치수는 3HP모터 치수임.

전동능력표

수치는 1일 8~10시간 연속 운전이고 균일 하중의 수치입니다.

INPUT rpm RATIO	1800				1500			
	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf
1/10	3.00	2.46	9.81	167	3.00	2.44	11.67	177
1/15	3.00	2.37	14.20	207	3.00	2.35	16.84	217
1/20	3.00	2.33	18.66	204	3.00	2.32	22.18	252
1/30	3.00	2.13	22.57	265	3.00	2.09	30.05	281
1/40	2.00	1.39	22.16	316	2.00	1.36	26.16	336
1/50	2.00	1.33	26.61	364	2.00	1.31	31.39	386
1/60	2.00	1.27	30.40	400	1.50	1.31	32.70	424

MODEL	축배치 및 회전방향	도면
 WUM-120	A B C	
 WBM-120	A B C	
 WVM-120	A B C D E F	

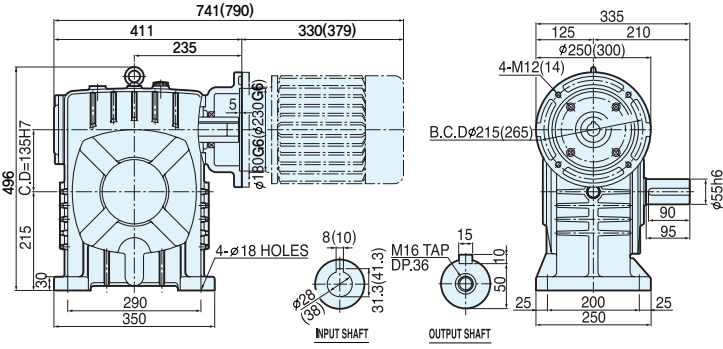
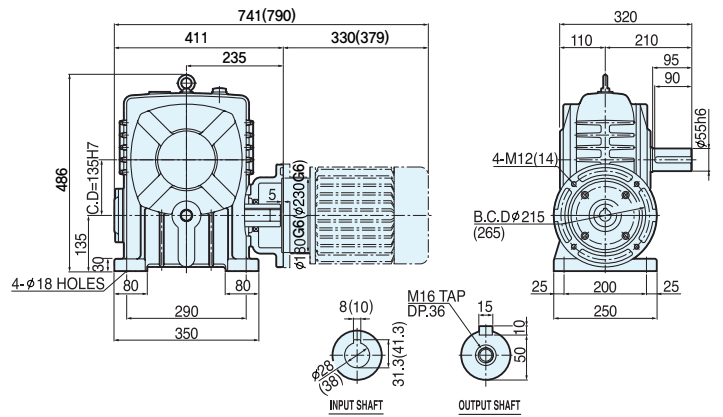
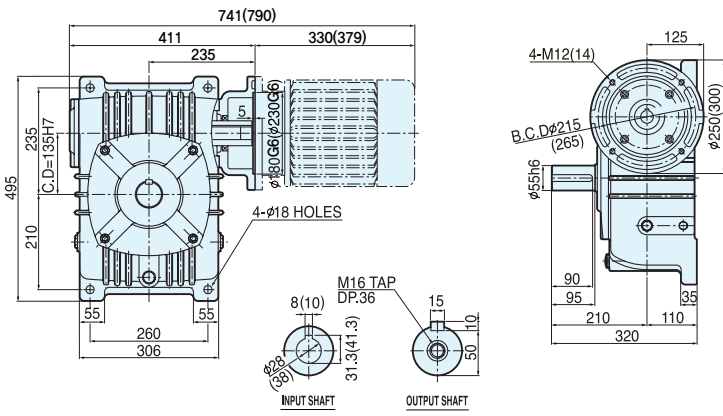
*()안의 치수는 5HP모터 치수임.

전동능력표

수치는 1일 8~10시간 연속 운전이고 균일 하중의 수치입니다.

INPUT rpm RATIO	1800				1500			
	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf
1/10	5.00	4.13	16.65	177	5.00	4.11	19.63	184
1/15	5.00	3.99	23.86	218	5.00	3.96	28.41	231
1/20	5.00	3.86	30.76	270	5.00	3.82	36.54	285
1/30	5.00	3.62	43.21	285	5.00	3.57	51.14	302
1/40	3.00	2.04	32.49	357	3.00	2.00	38.33	380
1/50	3.00	2.08	41.56	404	3.00	2.05	49.05	429
1/60	3.00	1.95	46.68	453	2.75	1.81	51.90	481

Single Worm Reducer/1단 웜 감속기

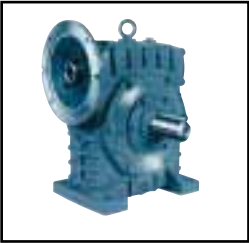
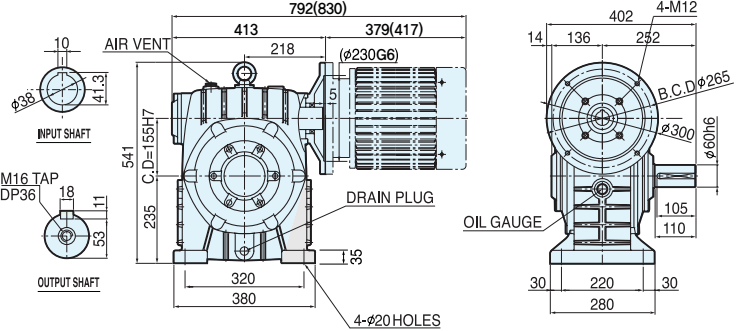
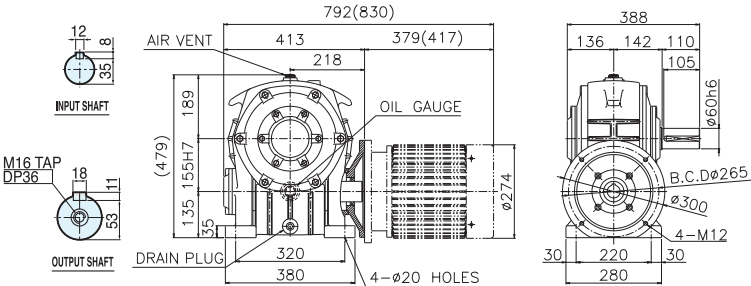
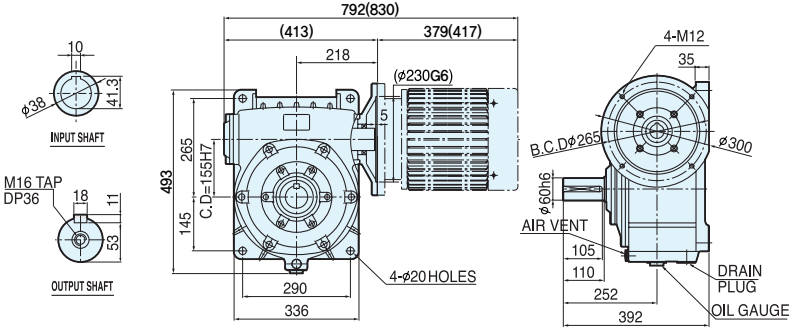
MODEL	축배치 및 회전방향	도면
 WUM-135	A B C	
 WBM-135	A B C	
 WVM-135	A B C D E F	

*()안의 치수는 7.5HP모터 치수임.

전동능력표

수치는 1일 8~10시간 연속 운전이고 균일 하중의 수치입니다.

RATIO	1800				1500			
	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf
1/10	7.5	6.25	24.9	304	7.5	6.23	29.7	319
1/15	7.5	6.09	36.3	362	7.5	6.04	43.3	384
1/20	7.5	6.00	47.8	426	7.5	5.94	56.7	449
1/30	7.5	5.57	66.6	468	7.5	5.50	78.8	496
1/40	5.0	3.62	57.8	566	5.0	3.81	72.8	599
1/50	5.0	3.52	70.1	650	5.0	3.80	90.7	691
1/60	5.0	2.80	67.0	724	5.0	3.72	106.6	769

MODEL	축배치 및 회전방향	도면
 WUM-155	A B C	
 WBM-155	A B C	
 WVM-155	A B C D E F	

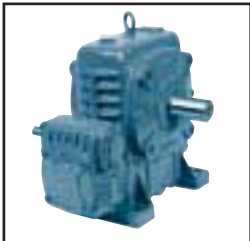
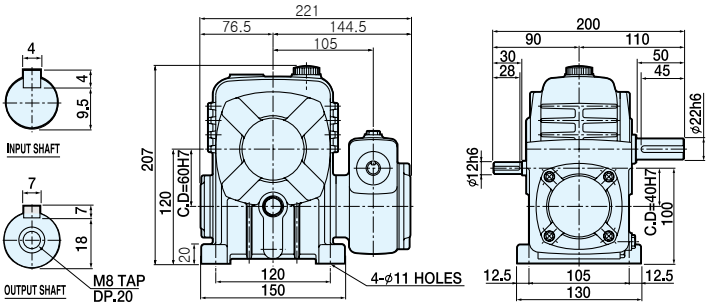
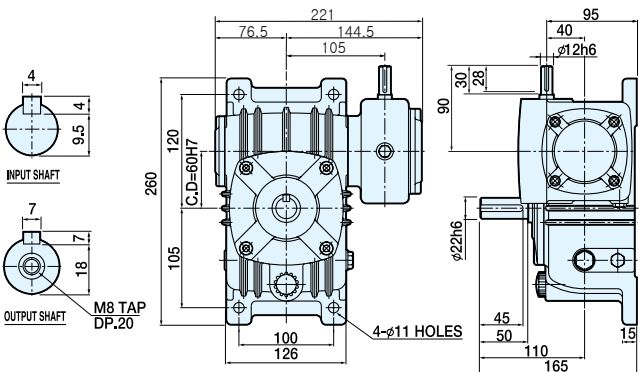
*()안의 치수는 10HP모터 치수임.

전동능력표

수치는 1일 8~10시간 연속 운전이고 균일 하중의 수치입니다.

RATIO	1800				1500			
	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf
1/10	10.0	8.34	33.1	1500	10.0	8.30	39.6	1500
1/15	10.0	8.12	48.3	1500	10.0	8.05	57.5	1500
1/20	10.0	8.00	63.6	1500	10.0	7.92	75.4	1500
1/30	10.0	7.44	88.6	1500	10.0	7.34	105.0	1500
1/40	7.50	5.36	85.4	1500	7.50	5.32	101.7	1500
1/50	7.50	4.97	98.9	1500	6.50	4.40	105.0	1500
1/60	6.00	3.99	95.3	1500	5.00	3.57	102.0	1500

Double Worm Reducer/2단 웜 감속기

MODEL	축배치 및 회전방향	도면
 DWB-60	A B C D E F	
 DWV-60	A B C D E F	

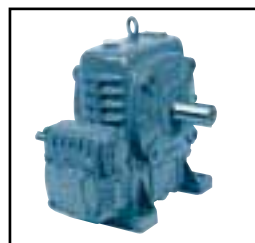
전동능력표

수치는 1일 8~10시간 연속 운전이고 균일 하중의 수치입니다.

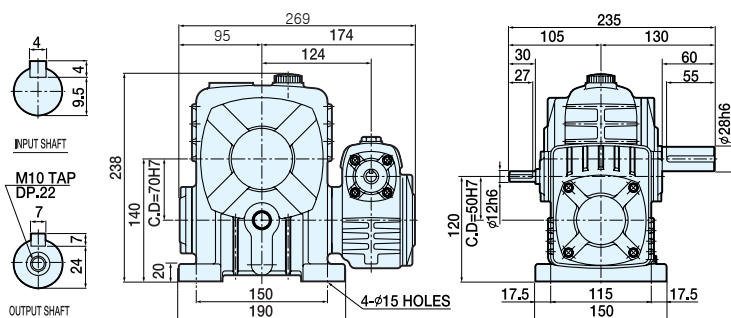
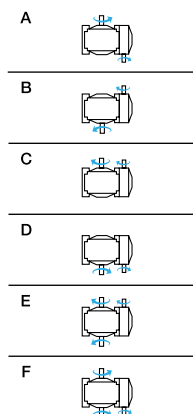
INPUT rpm RATIO	1800				1500				1200			
	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf
1/200	0.32	0.13	11.6	200	0.27	0.12	11.6	200	0.21	0.08	11.6	200
1/300	0.23	0.08	11.6	200	0.20	0.08	11.6	200	0.16	0.05	11.6	200
1/400	0.19	0.07	11.6	200	0.16	0.05	11.6	200	0.12	0.04	11.6	200
1/500	0.16	0.04	11.6	200	0.13	0.04	11.6	200	0.12	0.03	11.6	200
1/600	0.13	0.04	11.6	200	0.12	0.04	11.6	200	0.09	0.03	11.6	200
1/800	0.12	0.03	11.6	200	0.11	0.03	11.6	200	0.08	0.01	11.6	200
1/900	0.11	0.03	11.6	200	0.09	0.01	11.6	200	0.08	0.01	11.6	200

INPUT rpm RATIO	900				600			
	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf
1/200	0.16	0.07	11.6	200	0.12	0.04	11.6	200
1/300	0.12	0.04	11.6	200	0.08	0.03	11.6	200
1/400	0.09	0.03	11.6	200	0.07	0.01	11.6	200
1/500	0.08	0.01	11.6	200	0.05	0.01	11.6	200
1/600	0.08	0.01	11.6	200	0.05	0.01	11.6	200
1/800	0.07	0.01	11.6	200	0.04	0.01	11.6	200
1/900	0.05	0.01	11.6	200	0.04	0.01	11.6	200

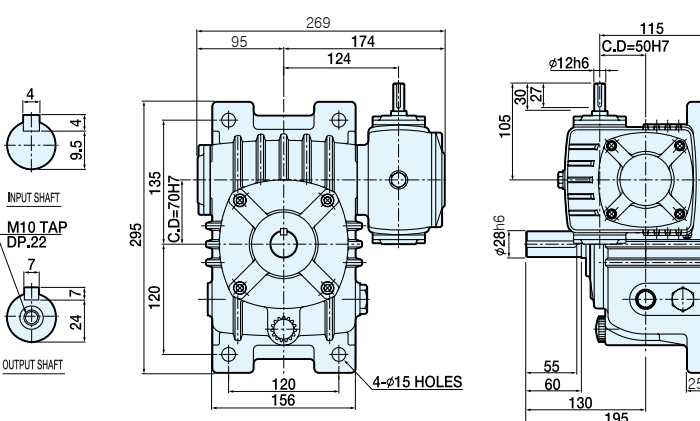
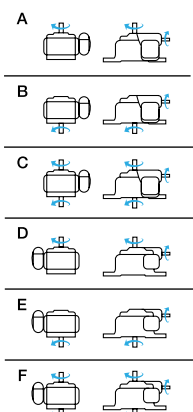
MODEL 축배치 및 회전방향 도면



DWB-70



DWV-70



전동능력표

수치는 1일 8~10시간 연속 운전이고 균일 하중의 수치입니다.

INPUT rpm RATIO	1800				1500				1200			
	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf
1/200	0.63	0.31	25.0	300	0.52	0.25	25.0	300	0.41	0.20	25.0	300
1/300	0.44	0.20	25.0	300	0.36	0.16	25.0	300	0.28	0.12	25.0	300
1/400	0.36	0.15	25.0	300	0.31	0.12	25.0	300	0.24	0.09	25.0	300
1/500	0.31	0.12	25.0	300	0.24	0.09	25.0	300	0.20	0.08	25.0	300
1/600	0.25	0.09	25.0	300	0.20	0.08	25.0	300	0.15	0.05	25.0	300
1/800	0.24	0.07	25.0	300	0.19	0.05	25.0	300	0.16	0.04	25.0	300
1/900	0.21	0.05	25.0	300	0.15	0.04	25.0	300	0.12	0.04	25.0	300

INPUT rpm RATIO	900				600			
	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf
1/200	0.32	0.15	25.0	300	0.23	0.09	25.0	300
1/300	0.23	0.09	25.0	300	0.13	0.05	25.0	300
1/400	0.17	0.07	25.0	300	0.13	0.05	25.0	300
1/500	0.16	0.05	25.0	300	0.12	0.04	25.0	300
1/600	0.12	0.04	25.0	300	0.08	0.03	25.0	300
1/800	0.09	0.03	25.0	300	0.07	0.01	25.0	300
1/900	0.09	0.03	25.0	300	0.07	0.01	25.0	300

Double Worm Reducer/2단 웜 감속기

MODEL

축배치 및 회전방향

도

면

DWB-80

A
B
C
D
E
F

289
105 184
134 50
105
265
C.D=80H7
80
20
180
220
4- $\phi 15$ HOLES
INPUT SHAFT
M10 TAP
DP.22
10
27
8
OUTPUT SHAFT

245
105 140
30 27
65
60
130
C.D=50H7
17.5 135 17.5
170
 $\phi 12$ h6
 $\phi 32$ h6

DWV-80

A
B
C
D
E
F

289
134 50
150
320
130
C.D=80H7
140
176
4- $\phi 15$ HOLES
INPUT SHAFT
M10 TAP
DP.22
10
27
8
OUTPUT SHAFT

120
50H7
105
30 27
60 65
140
210
 $\phi 12$ h6
 $\phi 32$ h6

● 전동능력표

수치는 1일 8~10시간 연속 운전이고 균일 하중의 수치입니다.

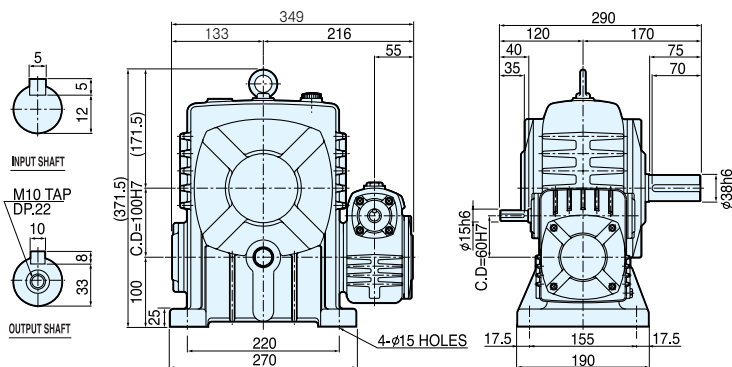
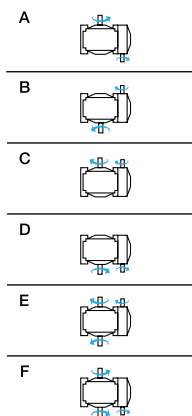
INPUT rpm RATIO	1800				1500				1200			
	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf
1/200	0.89	0.41	33.8	400	0.64	0.36	35.0	400	0.53	0.28	35.0	400
1/300	0.64	0.28	35.0	400	0.45	0.24	35.0	400	0.37	0.19	35.0	400
1/400	0.53	0.20	35.0	400	0.36	0.17	35.0	400	0.28	0.13	35.0	400
1/500	0.44	0.16	35.0	400	0.29	0.13	35.0	400	0.24	0.11	35.0	400
1/600	0.39	0.13	35.0	400	0.27	0.12	35.0	400	0.20	0.08	35.0	400
1/800	0.45	0.09	35.0	400	0.28	0.08	35.0	400	0.23	0.07	35.0	400
1/900	0.29	0.08	35.0	400	0.21	0.08	35.0	400	0.16	0.05	35.0	400

INPUT rpm RATIO	900				600			
	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf
1/200	0.40	0.21	35.0	400	0.28	0.14	35.0	400
1/300	0.28	0.14	35.0	400	0.19	0.09	35.0	400
1/400	0.21	0.10	35.0	400	0.16	0.07	35.0	400
1/500	0.17	0.08	35.0	400	0.12	0.04	35.0	400
1/600	0.16	0.07	35.0	400	0.09	0.04	35.0	400
1/800	0.16	0.05	35.0	400	0.11	0.03	35.0	400
1/900	0.12	0.04	35.0	400	0.09	0.03	35.0	400

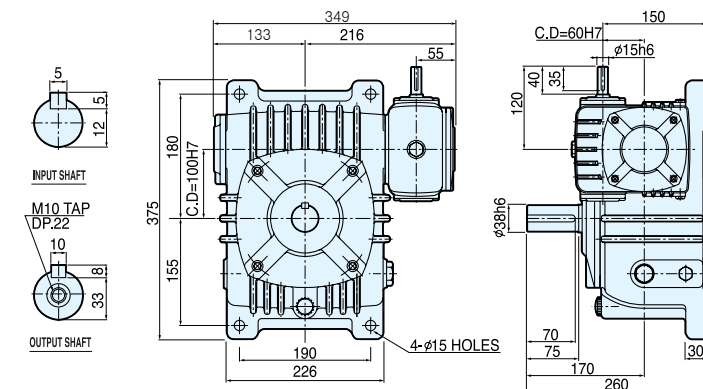
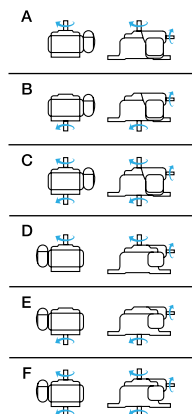
MODEL 축배치 및 회전방향 도면



DWB-100



DWV-100



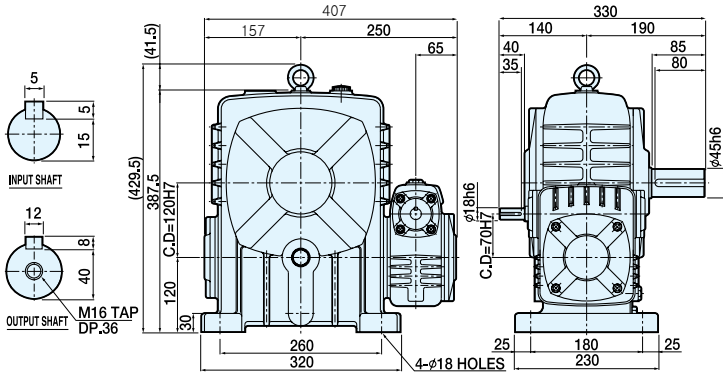
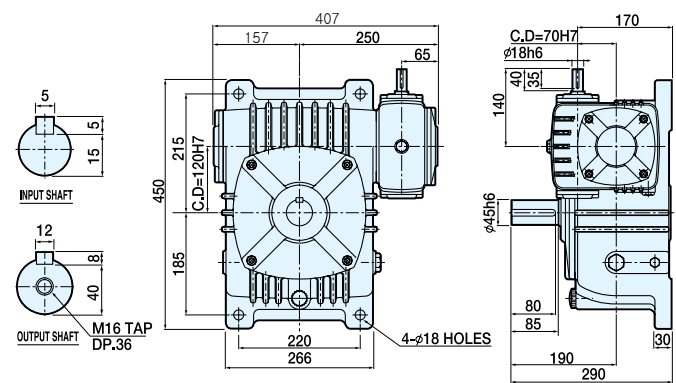
전동능력표

수치는 1일 8~10시간 연속 운전이고 균일 하중의 수치입니다.

INPUT rpm RATIO	1800				1500				1200			
	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf
1/200	1.17	0.62	50.0	575	0.95	0.52	50.0	622	0.77	0.41	50.0	650
1/300	0.84	0.40	50.0	650	0.67	0.33	50.0	650	0.54	0.27	50.0	650
1/400	0.67	0.31	50.0	650	0.52	0.26	50.0	650	0.41	0.20	50.0	650
1/500	0.58	0.25	50.0	650	0.41	0.20	50.0	650	0.35	0.16	50.0	650
1/600	0.50	0.20	50.0	650	0.39	0.17	50.0	650	0.31	0.13	50.0	650
1/800	0.52	0.15	50.0	650	0.40	0.13	50.0	650	0.32	0.09	50.0	650
1/900	0.42	0.13	50.0	650	0.31	0.11	50.0	650	0.27	0.08	50.0	650

INPUT rpm RATIO	900				600			
	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf
1/200	0.60	0.31	50.0	650	0.41	0.20	50.0	650
1/300	0.41	0.20	50.0	650	0.29	0.13	50.0	650
1/400	0.32	0.15	50.0	650	0.23	0.10	50.0	650
1/500	0.27	0.12	50.0	650	0.19	0.08	50.0	650
1/600	0.25	0.10	50.0	650	0.16	0.05	50.0	650
1/800	0.24	0.07	50.0	650	0.18	0.04	50.0	650
1/900	0.19	0.05	50.0	650	0.12	0.04	50.0	650

Double Worm Reducer/2단 웜 감속기

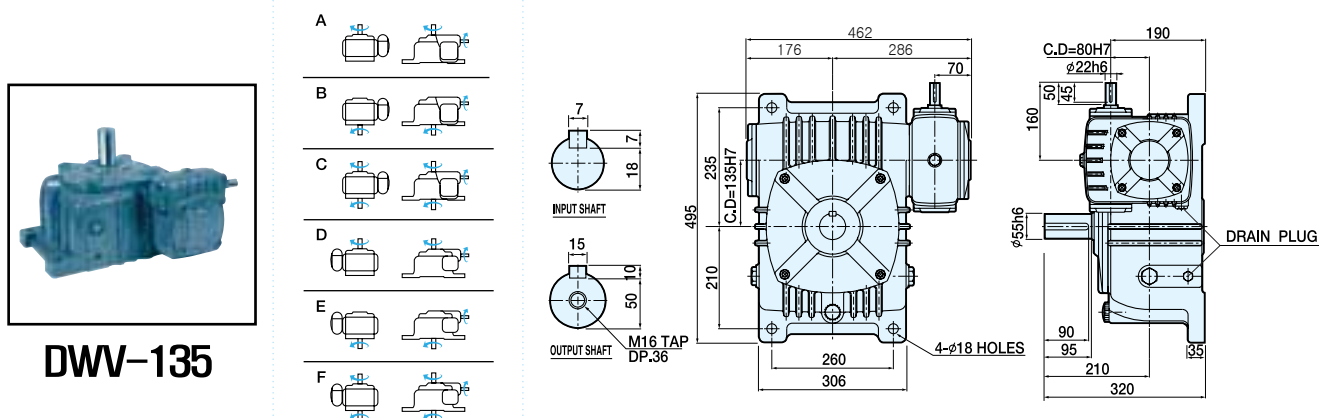
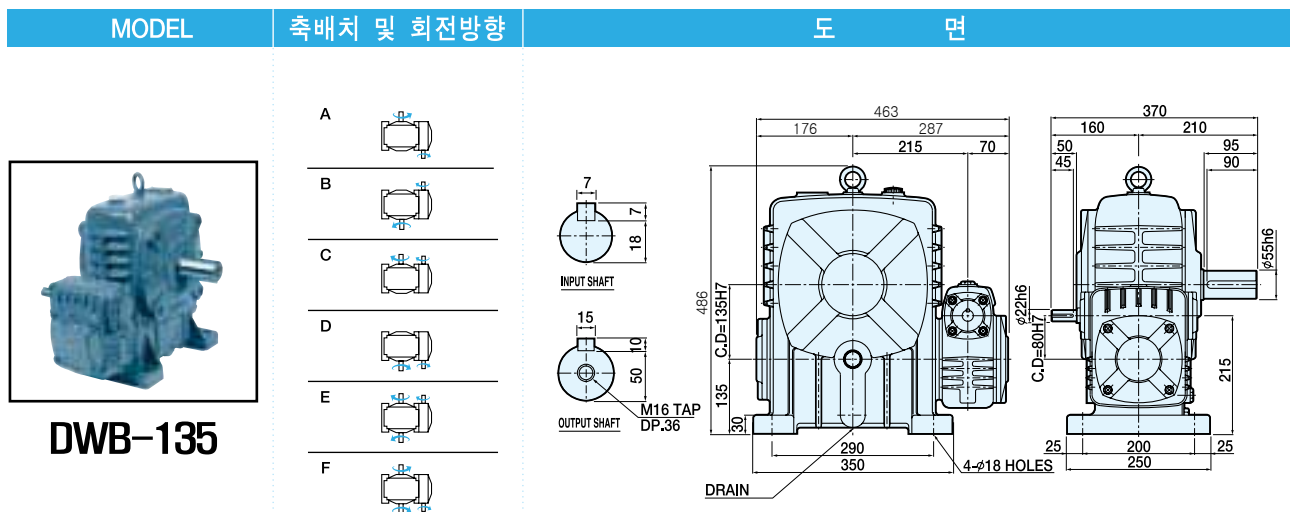
MODEL	축배치 및 회전방향	도면
 DWB-120	A  B  C  D  E  F 	 Technical drawing of DWB-120 showing front, side, and shaft views with dimensions. Key dimensions include: 407, 157, 250, 65, 330, 140, 190, 85, 80, 40, 35, 120, 387.5, 429.5, 120, 260, 320, 4-φ18 HOLES, 25, 180, 230, 25, 18h6, C.D=70H7, 45h6, 12, 8, 40, 5, 15, 5, INPUT SHAFT, OUTPUT SHAFT, M16 TAP DP.36.
 DWV-120	A  B  C  D  E  F 	 Technical drawing of DWV-120 showing front, side, and shaft views with dimensions. Key dimensions include: 407, 157, 250, 65, 170, 140, 190, 85, 80, 40, 35, 215, 185, 450, 220, 266, 4-φ18 HOLES, 25, 180, 230, 25, 18h6, C.D=70H7, 45h6, 12, 8, 40, 5, 15, 5, INPUT SHAFT, OUTPUT SHAFT, M16 TAP DP.36.

전동능력표

수치는 1일 8~10시간 연속 운전이고 균일 하중의 수치입니다.

INPUT rpm RATIO	1800				1500				1200			
	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf
1/200	2.04	1.05	84.0	618	1.72	0.87	84.0	675	1.44	0.69	84.0	749
1/300	1.47	0.70	84.0	749	1.24	0.58	84.0	814	1.01	0.45	84.0	899
1/400	1.15	0.52	84.0	854	0.96	0.43	84.0	925	0.81	0.35	84.0	1000
1/500	1.03	0.42	84.0	942	0.88	0.35	84.0	1000	0.72	0.28	84.0	1000
1/600	0.88	0.35	84.0	1000	0.75	0.29	84.0	1000	0.61	0.23	84.0	1000
1/800	0.93	0.26	84.0	1000	0.78	0.21	84.0	1000	0.67	0.17	84.0	1000
1/900	0.69	0.23	84.0	1000	0.57	0.19	84.0	1000	0.47	0.15	84.0	1000

INPUT rpm RATIO	900				600			
	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf
1/200	1.11	0.52	84.0	854	0.79	0.35	84.0	1000
1/300	0.81	0.35	84.0	1000	0.56	0.23	84.0	1000
1/400	0.64	0.25	84.0	1000	0.44	0.17	84.0	1000
1/500	0.57	0.21	84.0	1000	0.40	0.14	84.0	1000
1/600	0.48	0.17	84.0	1000	0.33	0.11	84.0	1000
1/800	0.32	0.13	84.0	1000	0.20	0.08	84.0	1000
1/900	0.36	0.11	84.0	1000	0.25	0.07	84.0	1000



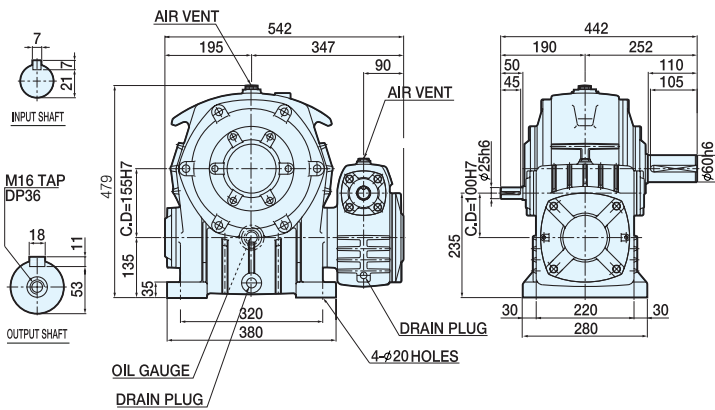
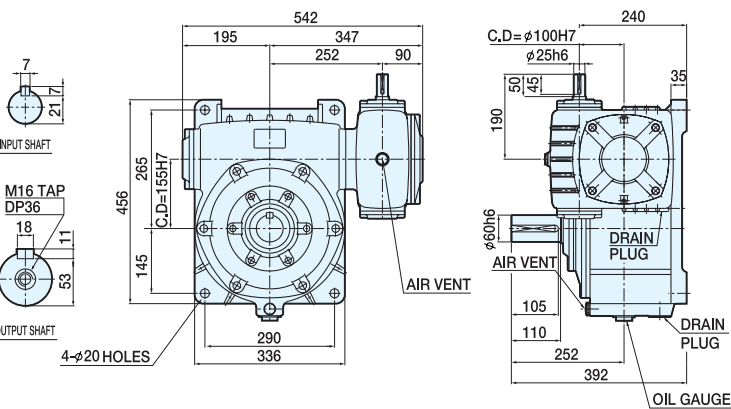
전동능력표

수치는 1일 8~10시간 연속 운전이고 균일 하중의 수치입니다.

INPUT rpm RATIO	1800				1500				1200			
	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf
1/200	3.13	1.75	140	960	2.37	1.45	140	1200	2.16	1.16	140	1156
1/300	2.24	1.16	140	1156	1.88	0.96	140	1200	1.56	0.78	140	1200
1/400	1.76	0.87	140	1200	1.51	0.72	140	1200	1.23	0.57	140	1200
1/500	1.47	0.69	140	1200	1.24	0.57	140	1200	1.01	0.45	140	1200
1/600	1.31	0.57	140	1200	1.09	0.48	140	1200	0.92	0.39	140	1200
1/800	1.35	0.43	140	1200	1.16	0.36	140	1200	0.96	0.29	140	1200
1/900	1.05	0.39	140	1200	1.16	0.32	140	1200	0.72	0.25	140	1200

INPUT rpm RATIO	900				600			
	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf
1/200	1.68	0.87	140	1200	1.18	0.58	140	1200
1/300	1.20	0.57	140	1200	0.85	0.39	140	1200
1/400	0.96	0.43	140	1200	0.68	0.28	140	1200
1/500	0.80	0.35	140	1200	0.55	0.23	140	1200
1/600	0.72	0.28	140	1200	0.50	0.19	140	1200
1/800	0.73	0.21	140	1200	0.53	0.14	140	1200
1/900	0.59	0.19	140	1200	0.39	0.12	140	1200

Double Worm Reducer/2단 웜 감속기

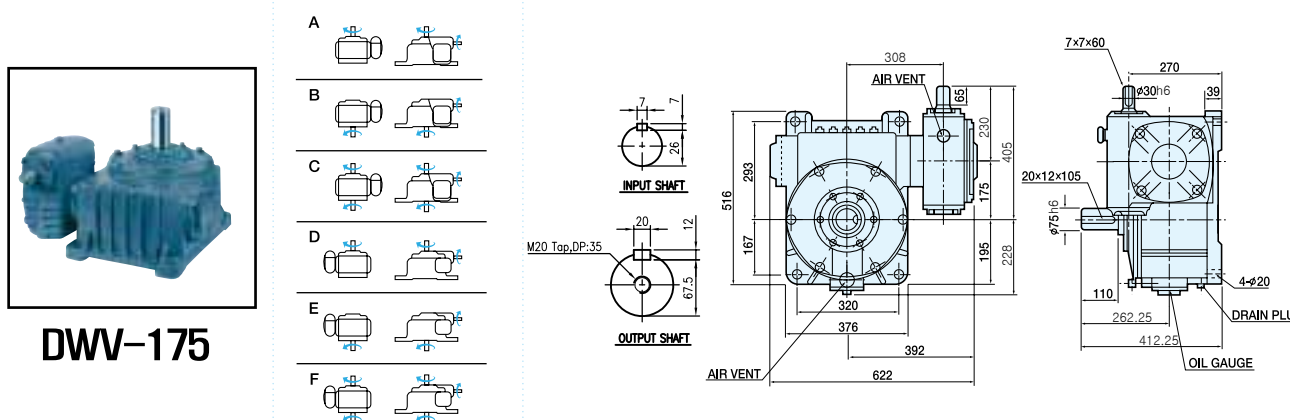
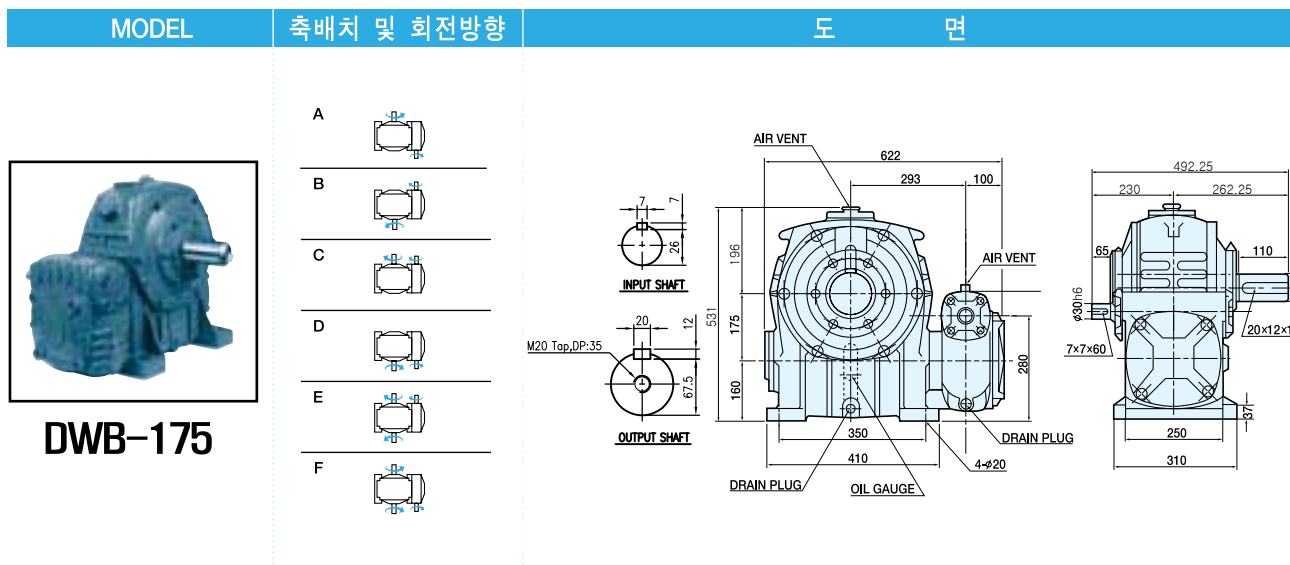
MODEL	축배치 및 회전방향	도면
 DWB-155	A B C D E F	
 DWV-155	A B C D E F	

전동능력표

수치는 1일 8~10시간 연속 운전이고 균일 하중의 수치입니다.

INPUT rpm RATIO	1800				1500				1200			
	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf
1/200	5.08	2.83	225	1500	4.54	2.48	237	1500	3.82	2.01	242	1500
1/300	3.86	2.20	242	1500	3.33	1.68	242	1500	2.73	1.34	242	1500
1/400	3.02	1.52	242	1500	2.57	1.25	242	1500	2.12	1.00	242	1500
1/500	2.50	1.20	242	1500	2.13	1.00	242	1500	1.77	0.80	242	1500
1/600	2.26	1.00	242	1500	1.96	0.84	242	1500	1.61	0.66	242	1500
1/800	2.33	0.76	242	1500	2.00	0.63	242	1500	1.64	0.49	242	1500
1/900	1.88	0.68	242	1500	1.65	0.58	242	1500	1.37	0.45	242	1500

INPUT rpm RATIO	900				600			
	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf
1/200	2.96	1.52	242	1500	2.08	1.00	242	1500
1/300	2.12	1.00	242	1500	1.50	0.66	242	1500
1/400	1.66	0.76	242	1500	1.16	0.49	242	1500
1/500	1.37	0.60	242	1500	0.96	0.40	242	1500
1/600	1.25	0.49	242	1500	0.88	0.32	242	1500
1/800	1.32	0.37	242	1500	0.92	0.24	242	1500
1/900	1.06	0.33	242	1500	0.78	0.22	242	1500



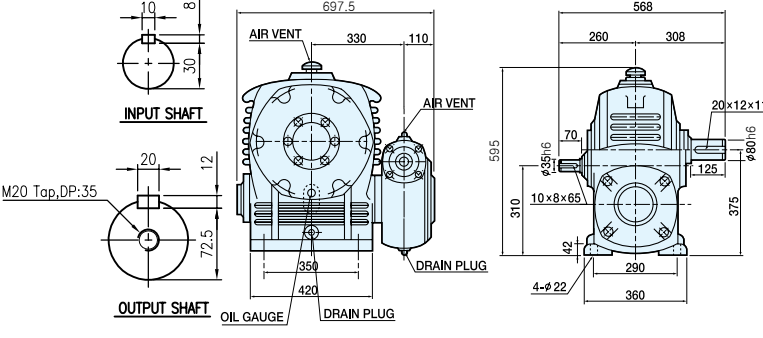
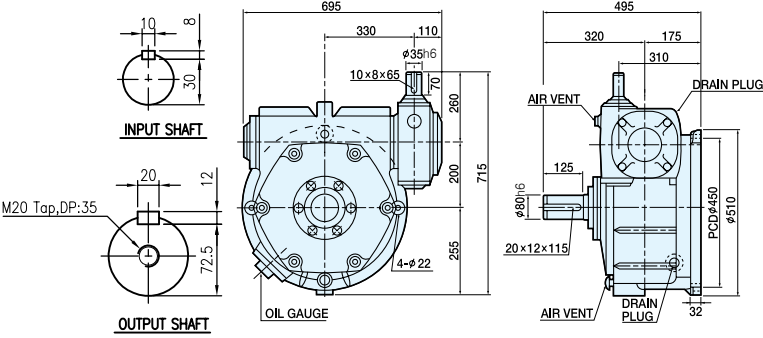
전동능력표

수치는 1일 8~10시간 연속 운전이고 균일 하중의 수치입니다.

INPUT rpm RATIO	1800				1500			
	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf
1/200	7.28	4.13	321	1800	6.52	3.63	338	1800
1/300	5.53	2.95	345	1800	4.73	2.46	345	1800
1/400	4.41	2.22	345	1800	3.76	1.84	345	1800
1/500	2.95	1.47	345	1800	3.01	1.48	345	1800
1/600	2.18	1.48	345	1800	2.76	1.23	345	1800
1/800	2.64	1.11	345	1800	2.25	0.92	345	1800
1/900	2.58	0.99	345	1800	2.24	0.83	345	1800

INPUT rpm RATIO	1200				900				600			
	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf
1/200	5.45	2.96	345	1800	4.23	2.22	345	1800	2.97	1.48	345	1800
1/300	3.90	1.97	345	1800	3.01	1.47	345	1800	2.14	0.98	345	1800
1/400	3.11	1.48	345	1800	2.43	1.11	345	1800	1.73	0.74	345	1800
1/500	2.48	1.18	345	1800	1.93	0.88	345	1800	1.36	0.59	345	1800
1/600	2.29	0.98	345	1800	1.80	0.74	345	1800	1.28	0.49	345	1800
1/800	2.55	0.74	345	1800	1.46	0.55	345	1800	1.07	0.37	345	1800
1/900	1.87	0.66	345	1800	1.46	0.49	345	1800	1.07	0.33	345	1800

Double Worm Reducer/2단 웜 감속기

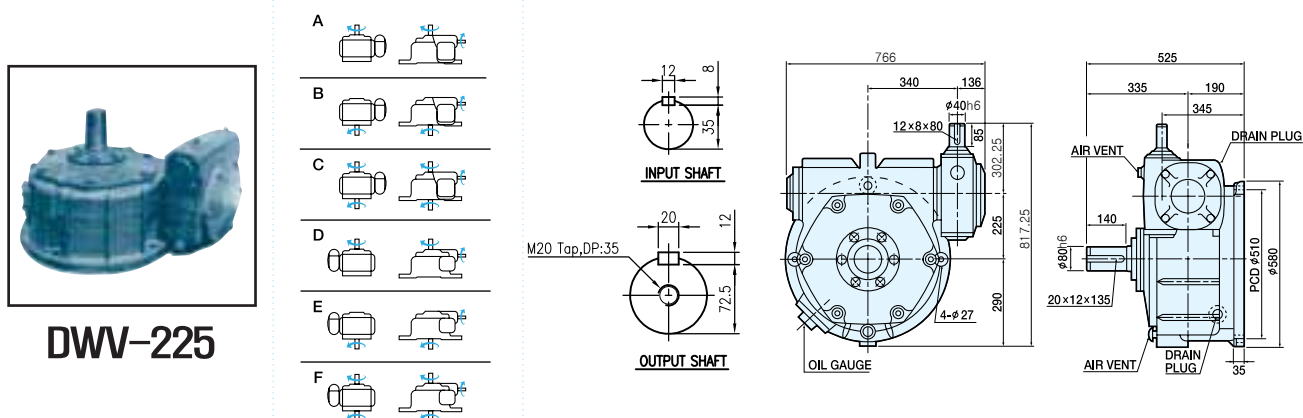
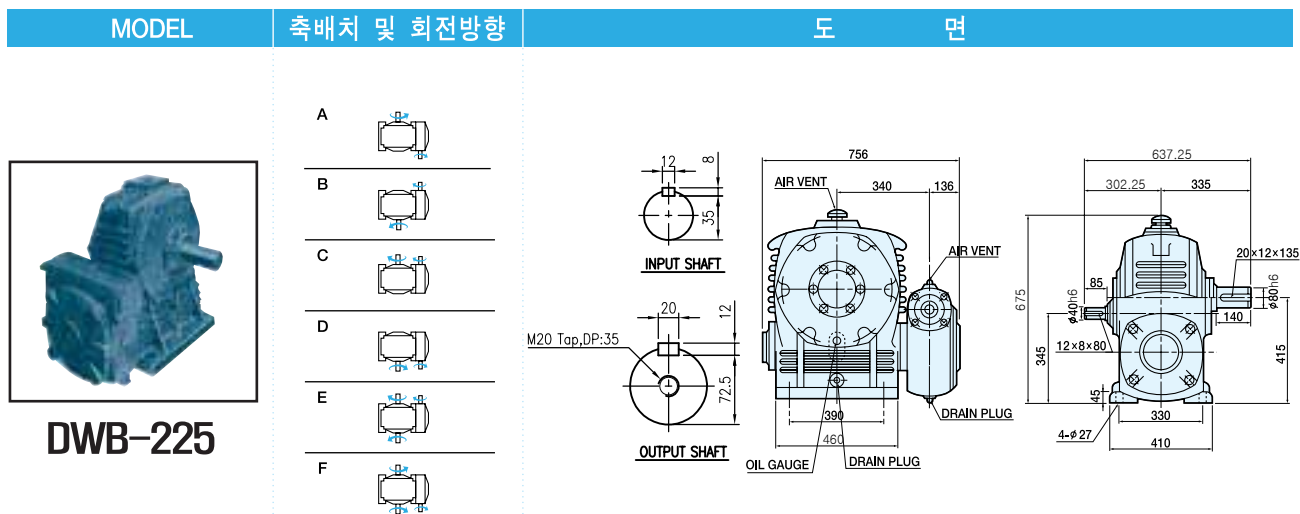
MODEL	축배치 및 회전방향	도면
 DWB-200	A  B  C  D  E  F 	
 DWV-200	A  B  C  D  E  F 	

전동능력표

수치는 1일 8~10시간 연속 운전이고 균일 하중의 수치입니다.

INPUT rpm RATIO	1800				1500			
	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf
1/200	9.80	5.71	454	2200	8.77	5.02	480	2200
1/300	7.39	4.08	488	2200	6.31	3.40	488	2200
1/400	5.76	3.06	488	2200	4.91	2.55	488	2200
1/500	4.76	2.45	488	2200	4.05	2.04	488	2200
1/600	4.24	2.04	488	2200	3.03	1.70	488	2200
1/800	3.33	1.53	488	2200	2.86	1.27	488	2200
1/900	3.26	1.31	488	2200	2.80	1.09	488	2200

INPUT rpm RATIO	1200				900				600			
	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf
1/200	7.29	4.08	488	2200	5.66	3.06	488	2200	3.96	2.04	488	2200
1/300	5.20	2.72	488	2200	4.01	2.04	488	2200	2.85	1.36	488	2200
1/400	4.02	2.04	488	2200	3.14	1.53	488	2200	2.22	1.02	488	2200
1/500	3.33	1.63	488	2200	2.59	1.22	488	2200	1.82	0.81	488	2200
1/600	3.02	1.36	488	2200	2.35	1.02	488	2200	1.68	0.68	488	2200
1/800	2.37	1.02	488	2200	1.83	0.76	488	2200	1.66	0.66	488	2200
1/900	2.34	0.87	488	2200	1.21	0.43	488	2200	1.34	0.44	488	2200



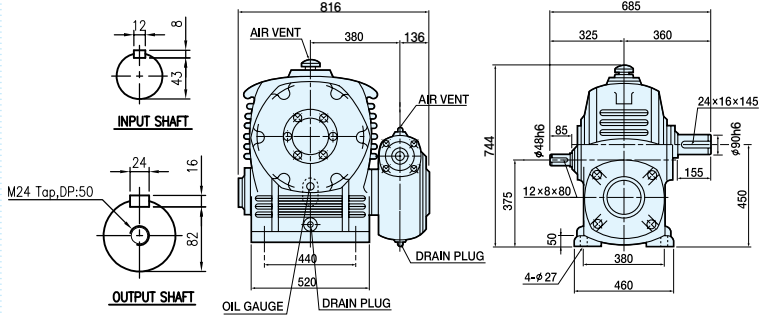
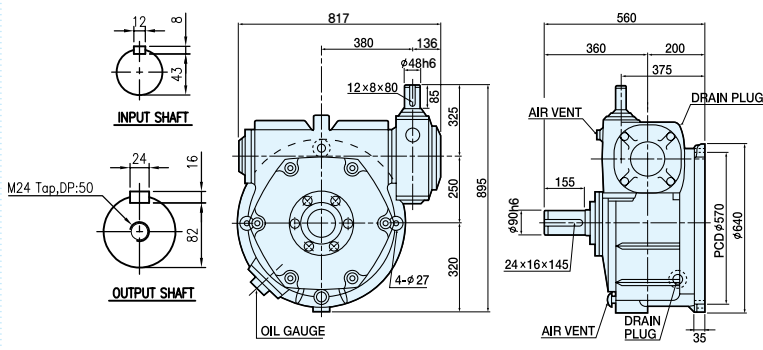
전동능력표

수치는 1일 8~10시간 연속 운전이고 균일 하중의 수치입니다.

RATIO	1800				1500			
	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf
1/200	14.30	8.46	650	2500	12.79	7.44	685	2500
1/300	10.70	5.97	690	2500	9.09	4.98	690	2500
1/400	8.03	4.33	690	2500	6.82	3.61	690	2500
1/500	6.62	3.46	690	2500	5.64	2.89	690	2500
1/600	6.15	2.98	690	2500	5.25	2.49	690	2500
1/800	4.67	2.16	690	2500	3.97	1.80	690	2500
1/900	4.71	1.99	690	2500	4.02	1.66	690	2500

RATIO	1200				900				600			
	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf
1/200	10.43	5.99	690	2500	8.14	4.49	690	2500	5.65	2.99	690	2500
1/300	7.43	3.98	690	2500	5.77	2.98	690	2500	4.05	1.99	690	2500
1/400	5.62	2.89	690	2500	4.37	2.16	690	2500	3.08	1.44	690	2500
1/500	4.66	2.31	690	2500	3.62	1.73	690	2500	2.56	1.15	690	2500
1/600	4.31	1.99	690	2500	3.40	1.49	690	2500	2.37	0.99	690	2500
1/800	3.31	1.44	690	2500	2.59	1.08	690	2500	1.84	0.72	690	2500
1/900	3.31	1.32	690	2500	2.63	0.99	690	2500	1.85	0.66	690	2500

Double Worm Reducer/2단 웜 감속기

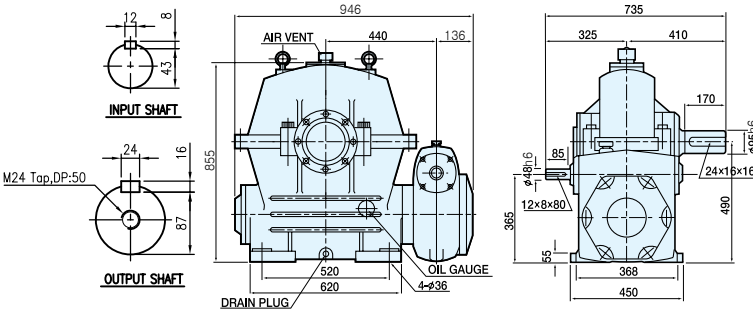
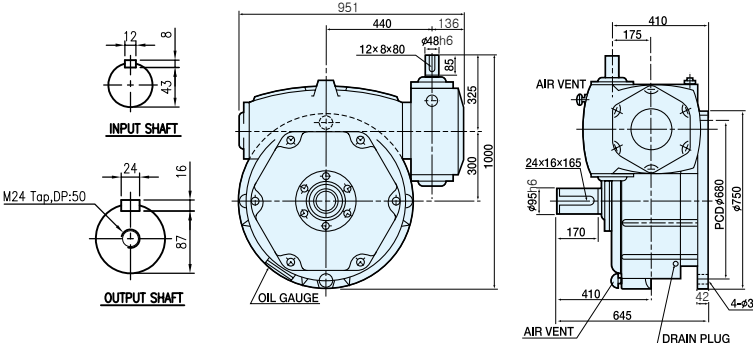
MODEL	축배치 및 회전방향	도면
 DWB-250	A B C D E F	
 DWV-250	A B C D E F	

전동능력표

수치는 1일 8~10시간 연속 운전이고 균일 하중의 수치입니다.

INPUT rpm RATIO	1800				1500			
	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf
1/200	17.94	10.78	850	2700	15.21	8.99	850	2700
1/300	12.64	7.19	850	2700	10.71	5.99	850	2700
1/400	9.74	5.34	850	2700	8.26	4.45	850	2700
1/500	8.08	4.27	850	2700	6.85	3.56	850	2700
1/600	7.19	3.59	850	2700	5.17	2.52	850	2700
1/800	5.64	2.67	850	2700	4.79	2.22	850	2700
1/900	5.87	2.45	850	2700	5.00	2.04	850	2700

INPUT rpm RATIO	1200				900				600			
	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf
1/200	12.38	7.19	850	2700	9.59	5.39	850	2700	6.65	3.59	850	2700
1/300	8.76	4.79	850	2700	6.80	3.59	850	2700	4.75	2.39	850	2700
1/400	6.76	3.56	850	2700	5.27	2.67	850	2700	4.93	2.37	850	2700
1/500	5.62	2.84	850	2700	4.40	2.13	850	2700	3.09	1.42	850	2700
1/600	5.03	2.39	850	2700	3.95	1.79	850	2700	2.76	1.19	850	2700
1/800	3.95	1.78	850	2700	3.09	1.33	850	2700	2.18	0.89	850	2700
1/900	4.11	1.63	850	2700	3.27	1.22	850	2700	2.86	0.81	850	2700

MODEL	축배치 및 회전방향	도	면
 DWB-300	A  B  C  D  E  F 	 Input shaft detail: 12, 8, 4.3, 24, 16, 87, M24 Tap, DP:50 Output shaft detail: 24, 16, 87, M24 Tap, DP:50 Front view: 946, 440, 136, 855, 520, 620, 4-ø36, AIR VENT, OIL GAUGE, DRAIN PLUG Top view: 735, 325, 410, 170, 85, 24x16x165, ø95/16, 365, 12x8x80, 55, 368, 450, 490	
 DWV-300	A  B  C  D  E  F 	 Input shaft detail: 12, 8, 4.3, 24, 16, 87, M24 Tap, DP:50 Output shaft detail: 24, 16, 87, M24 Tap, DP:50 Front view: 951, 440, 136, 12x8x80, ø48h16, 85, 325, 300, 1000, OIL GAUGE Top view: 410, 175, 170, 24x16x165, ø95/16, 410, 645, 12, 4-ø36, AIR VENT, DRAIN PLUG, PCDø680, ø750	

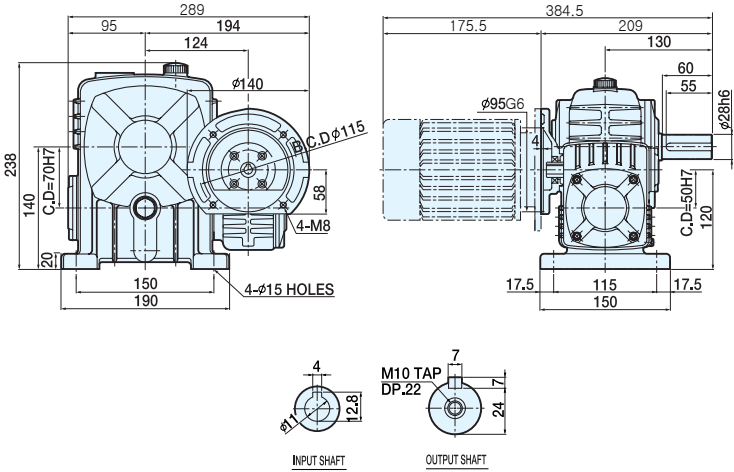
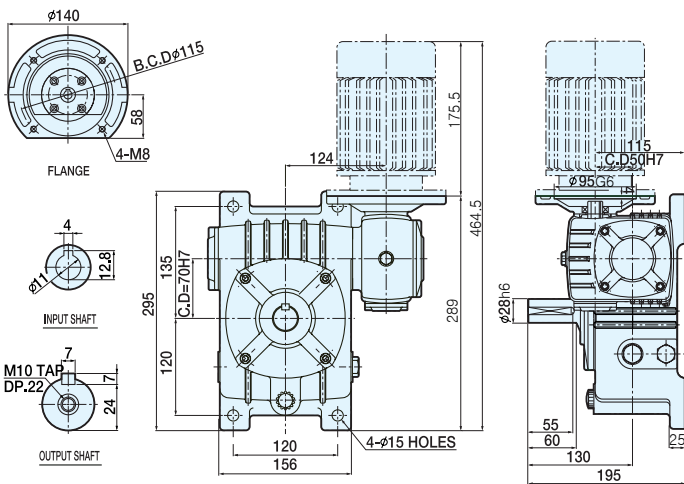
● 전동능력표

수치는 1일 8~10시간 연속 운전이고 균일 하중의 수치입니다.

INPUT rpm RATIO	1800				1500			
	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf
1/200	23.53	14.59	1200	3800	19.93	12.16	1200	3800
1/300	16.60	9.72	1200	3800	14.00	8.10	1200	3800
1/400	13.22	7.53	1200	3800	11.22	6.28	1200	3800
1/500	10.93	6.03	1200	3800	9.26	5.02	1200	3800
1/600	9.42	4.85	1200	3800	7.97	4.05	1200	3800
1/800	7.58	3.76	1200	3800	6.46	3.14	1200	3800
1/900	6.99	3.13	1200	3800	5.93	2.61	1200	3800

INPUT rpm RATIO	1200				900				600			
	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf
1/300	16.24	9.73	1200	3800	12.50	7.29	1200	3800	8.69	4.86	1200	3800
1/300	11.42	6.48	1200	3800	8.86	4.86	1200	3800	6.18	3.24	1200	3800
1/400	9.15	5.02	1200	3800	7.11	3.76	1200	3800	4.97	2.51	1200	3800
1/500	7.56	4.02	1200	3800	5.91	3.01	1200	3800	4.14	2.01	1200	3800
1/600	6.53	3.24	1200	3800	5.12	2.43	1200	3800	3.59	1.62	1200	3800
1/800	5.29	2.51	1200	3800	4.16	1.88	1200	3800	2.91	1.25	1200	3800
1/900	4.88	2.09	1200	3800	3.86	1.56	1200	3800	2.74	1.04	1200	3800

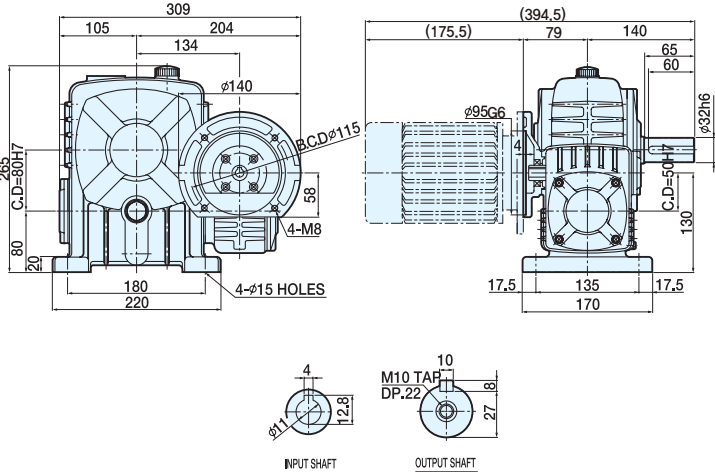
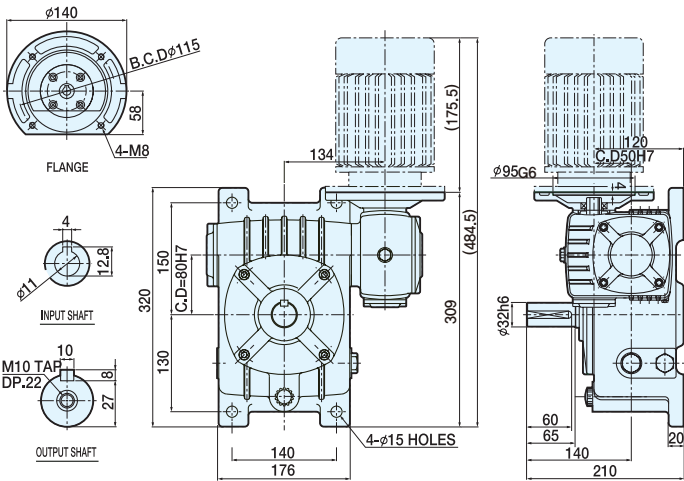
Double Worm Reducer/2단 웜 감속기

MODEL	축배치 및 회전방향	도면
 DWBM-70	A B C	
 DWVM-70	A B C D E F	

전동능력표 [상기도면은 1/4HP 모터 장착시의 것임]

수치는 1일 8~10시간 연속 운전이고 균일 하중의 수치입니다.

RATIO	1800				1500			
	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf
1/200	0.15	0.08	5.83	300	0.15	0.07	6.78	300
1/300	0.15	0.09	8.1	300	0.15	0.06	9.14	300
1/400	0.15	0.06	9.69	300	0.15	0.06	11.23	300
1/500	0.14	0.05	11.74	300	0.14	0.05	13.55	300
1/600	0.13	0.05	13.33	300	0.13	0.05	15.37	300
1/800	0.10	0.02	11.16	300	0.08	0.03	12.84	300
1/900	0.10	0.04	16.95	300	0.10	0.04	19.49	300

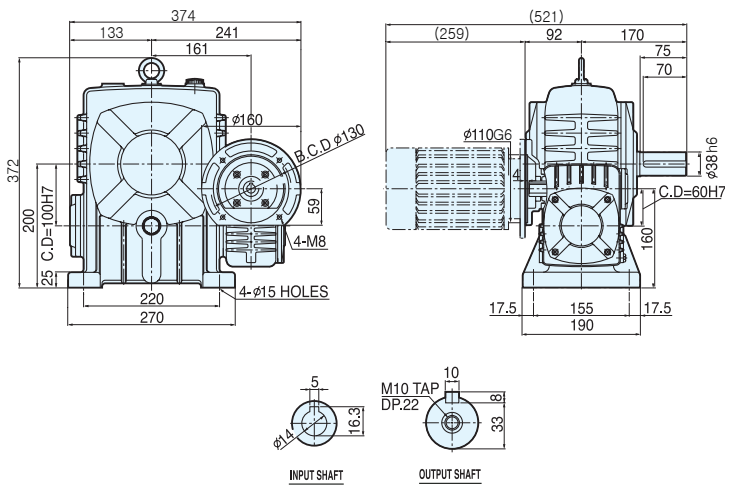
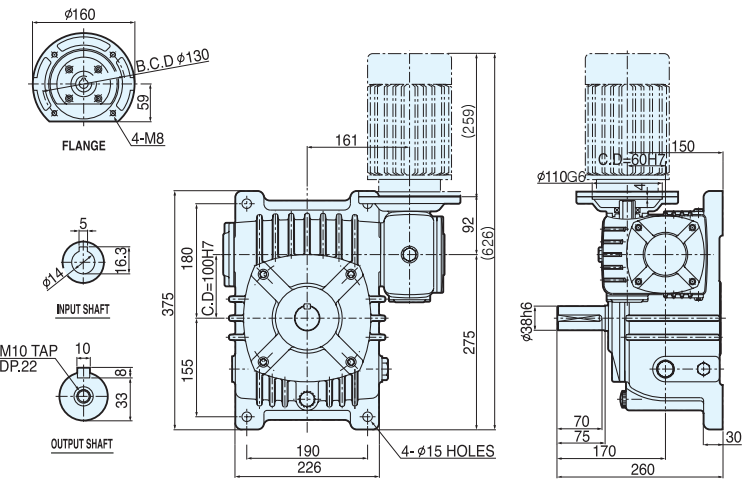
MODEL	축배치 및 회전방향	도면
 DWBM-80	A B C	
 DWVM-80	A B C D E F	

전동능력표 [상기도면은 1/4HP 모터 장착시의 것임]

수치는 1일 8~10시간 연속 운전이고 균일 하중의 수치입니다.

RATIO	1800				1500			
	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf
1/200	0.25	0.12	9.75	400	0.25	0.11	11.3	400
1/300	0.25	0.11	13.50	400	0.25	0.10	15.59	400
1/400	0.25	0.10	16.05	400	0.23	0.10	18.72	400
1/500	0.23	0.10	19.57	400	0.22	0.09	22.59	400
1/600	0.22	0.09	22.22	400	0.21	0.08	25.62	400
1/800	0.15	0.06	18.60	400	0.18	0.06	21.41	400
1/900	0.20	0.07	28.25	400	0.18	0.07	32.49	400

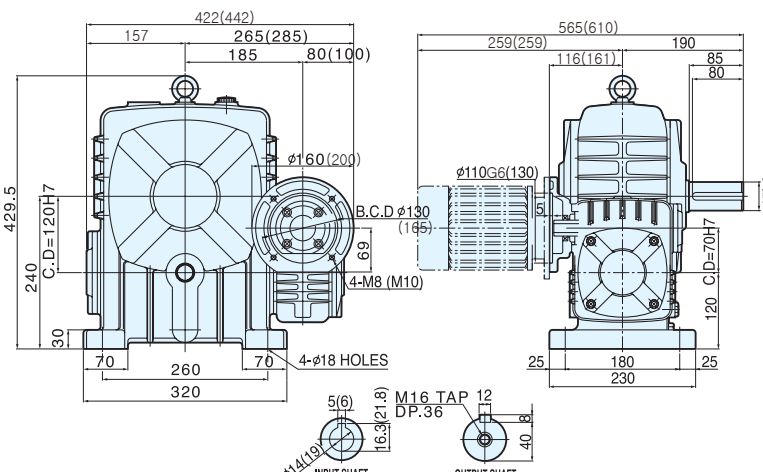
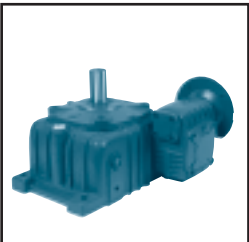
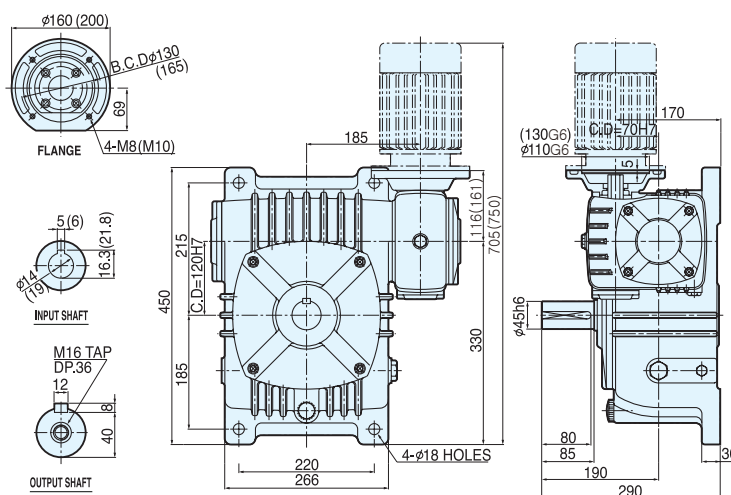
Double Worm Reducer/2단 웜 감속기

MODEL	축배치 및 회전방향	도면
 DWBM-100	A B C	 INPUT SHAFT OUTPUT SHAFT
 DWVM-100	A B C D E F	 INPUT SHAFT OUTPUT SHAFT

전동능력표

수치는 1일 8~10시간 연속 운전이고 균일 하중의 수치입니다.

RATIO	1800				1500			
	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf
1/200	0.50	0.25	21.23	575	0.50	0.25	24.92	622
1/300	0.50	0.24	29.72	650	0.50	0.24	34.63	650
1/400	0.50	0.23	37.01	650	0.50	0.21	43.16	650
1/500	—	—	—	—	—	—	—	—
1/600	—	—	—	—	—	—	—	—
1/800	—	—	—	—	—	—	—	—
1/900	—	—	—	—	—	—	—	—

MODEL	축배치 및 회전방향	도면
 DWBM-120	A B C	
 DWVM-120	A B C D E F	

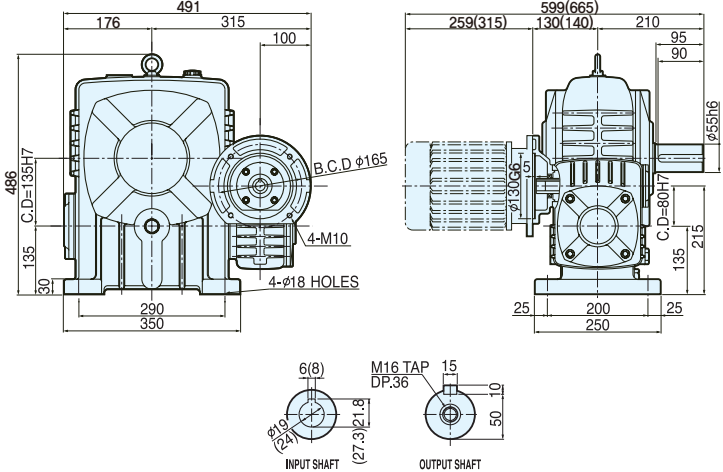
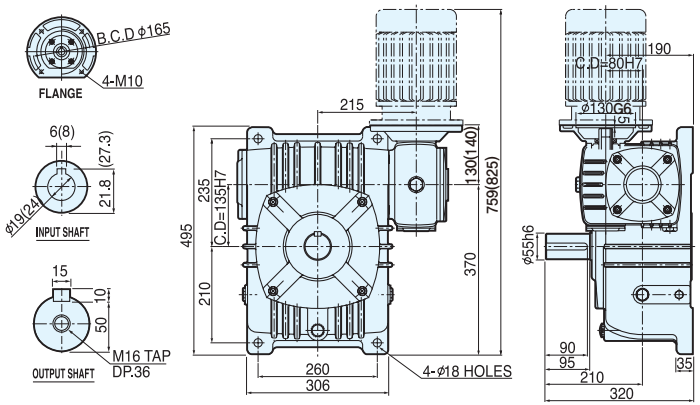
() 안의 치수는 1HP모터 치수임.

전동능력표

수치는 1일 8~10시간 연속 운전이고 균일 하중의 수치입니다.

RATIO INPUT rpm	1800				1500			
	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf
1/200	1.00	0.51	41.01	618	1.00	0.49	48.16	675
1/300	1.00	0.47	56.77	749	1.00	0.45	66.54	814
1/400	1.00	0.44	72.59	854	1.00	0.44	84.66	925
1/500	0.50	0.20	40.69	942	0.50	0.19	47.17	1000
1/600	0.50	0.19	47.36	1000	0.46	0.19	55.20	1000
1/800	0.43	0.18	57.28	1000	0.46	0.17	64.11	1000
1/900	0.40	0.17	60.64	1000	0.40	0.16	70.43	1000

Double Worm Geared Motor/2단 월 기어드 모터

MODEL	축배치 및 회전방향	도면
 DWBM-135	A B C	
 DWVM-135	A B C D E F	

() 안의 치수는 2HP모터 치수임.

전동능력표

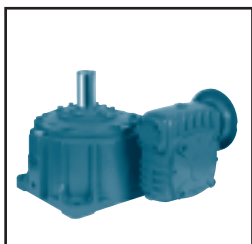
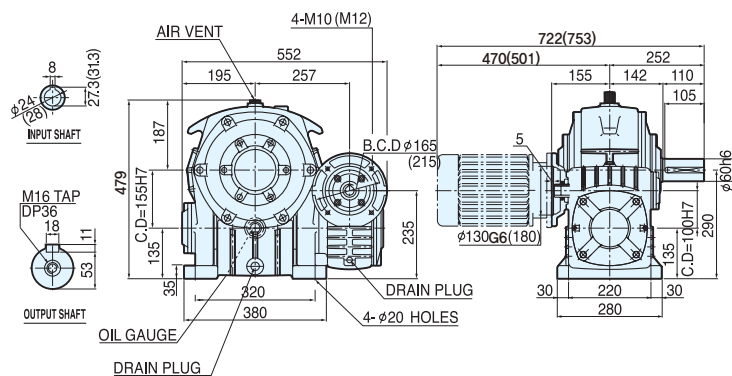
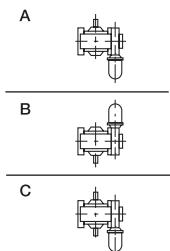
수치는 1일 8~10시간 연속 운전이고 균일 하중의 수치입니다.

RATIO	1800				1500			
	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf
1/200	2.00	1.12	89.36	960	2.00	1.09	104.88	1045
1/300	2.00	1.04	124.95	1156	2.00	0.98	140.00	1200
1/400	2.00	0.99	140.00	1200	1.7	0.73	140.00	1200
1/500	1.00	0.47	94.97	1200	1.00	0.45	111.39	1200
1/600	1.00	0.44	106.16	1200	1.00	0.43	124.10	1200
1/800	1.00	0.31	101.82	1200	1.00	0.31	118.48	1200
1/900	1.00	0.36	131.06	1200	1.00	0.35	140.00	1200

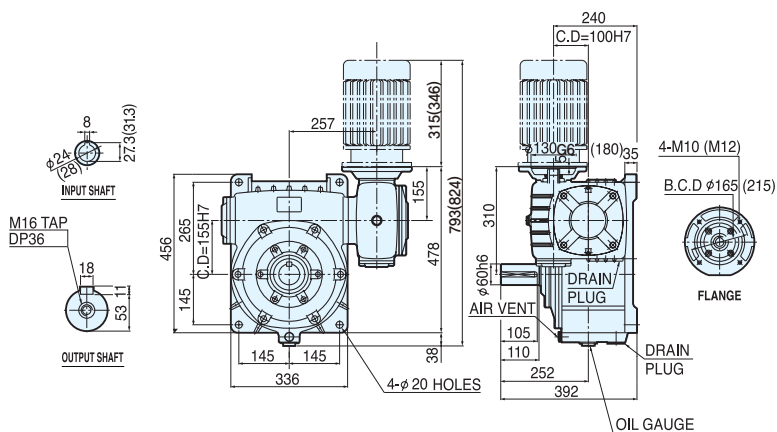
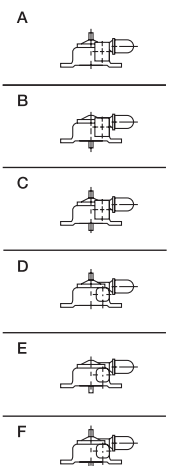
MODEL	축배치 및 회전방향	도면
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DWBM-155



DWVM-155



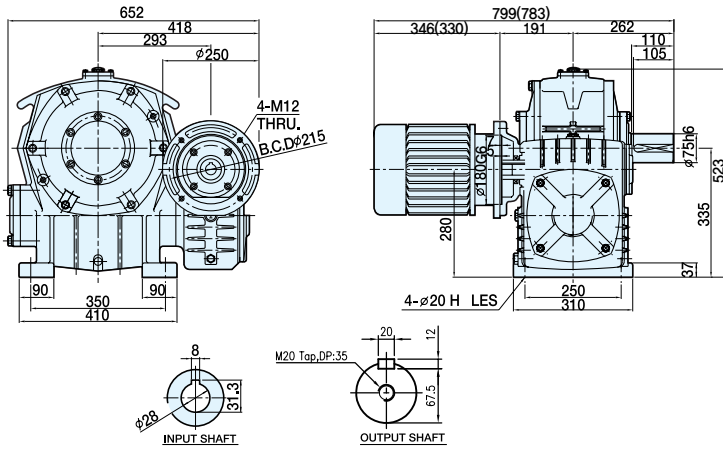
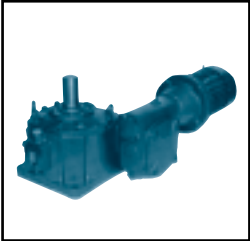
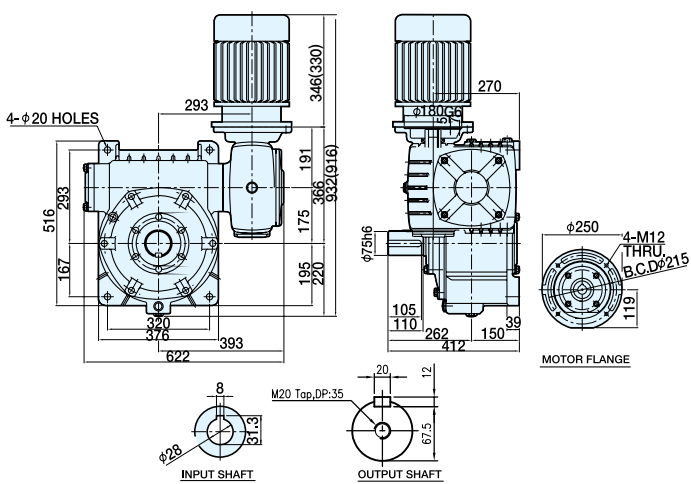
() 안의 치수는 3HP모터 치수임.

전동능력표

수치는 1일 8~10시간 연속 운전이고 균일 하중의 수치입니다.

INPUT rpm RATIO	1800				1500			
	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf
1/200	3.00	1.66	132.73	1500	3.00	1.63	159.10	1500
1/300	3.00	1.56	187.21	1500	3.00	1.51	217.35	1500
1/400				1500				1500
1/500	2.00	0.96	192.37	1500	2.00	0.94	224.50	1500
1/600	2.00	0.88	211.80	1500	2.00	0.85	242.00	1500
1/800	1.5	0.64	206.45	1500	1.5	0.62	239.95	1500
1/900	1.6	0.70	242.00	1500	1.4	0.58	242.00	1500

Double Worm Geared Motor/2단 월 기어드 모터

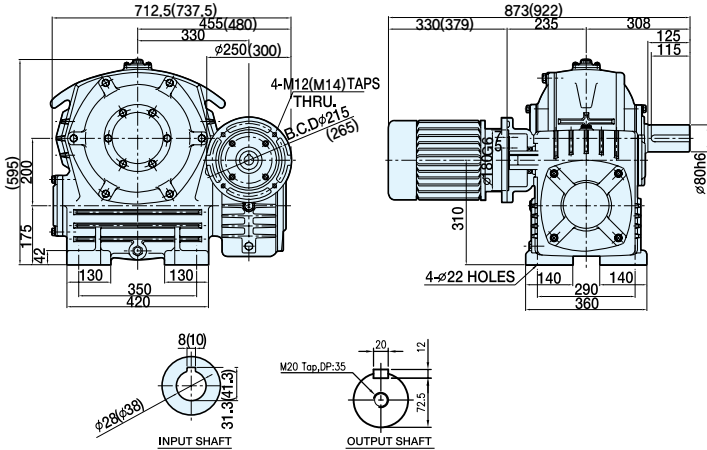
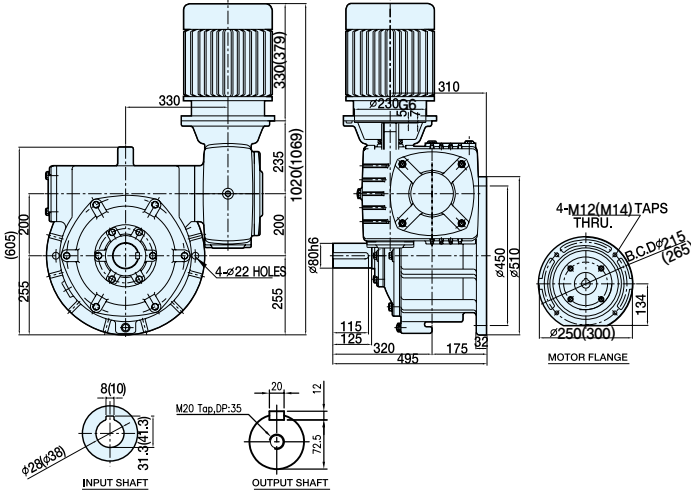
MODEL	축배치 및 회전방향	도면
 DWBM-175	A B C	 Technical drawing of DWBM-175 motor. Dimensions include: 652, 418, 293, 250, 4-M12 THRU. B.C.D#215, 90, 350, 410, 346(330), 799(783), 191, 262, 110, 105, 47.5h6, 523, 335, 37, 250, 310, 4-ø20 H LES, 280, 20, 12, 67.5, 8, 20, 12, 67.5, 28, 31.3, INPUT SHAFT, OUTPUT SHAFT.
 DWVM-175	A B C D E F	 Technical drawing of DWVM-175 motor. Dimensions include: 4-ø20 HOLES, 293, 346(330), 191, 366, 932(916), 175, 195, 220, 516, 167, 320, 376, 622, 393, 270, 180, 47.5h6, 105, 110, 262, 150, 39, 412, 250, 4-M12 THRU. B.C.D#215, 119, 20, 12, 67.5, 8, 20, 12, 67.5, 28, 31.3, INPUT SHAFT, OUTPUT SHAFT, MOTOR FLANGE.

* () 안의 치수는 5HP모터 치수임.

전동능력표

수치는 1일 8~10시간 연속 운전이고 균일 하중의 수치입니다.

INPUT rpm RATIO	1800				1500			
	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf
1/200	5.00	2.83	220.17	1800	5.00	2.78	259.34	1800
1/300	—	—	—	1800	—	—	—	1800
1/400	3.00	1.50	234.11	1800	3.00	1.47	274.74	1800
1/500	3.00	1.50	291.95	1800	3.00	1.47	343.21	1800
1/600	3.00	1.37	320.02	1800	2.9	1.23	345	1800
1/800	2.6	1.11	345	1800	2.2	0.92	345	1800
1/900	2.3	0.99	345	1800	2.0	0.83	345	1800

MODEL	축배치 및 회전방향	도면
 DWBM-200	A B C	
 DWVM-200	A B C D E F	

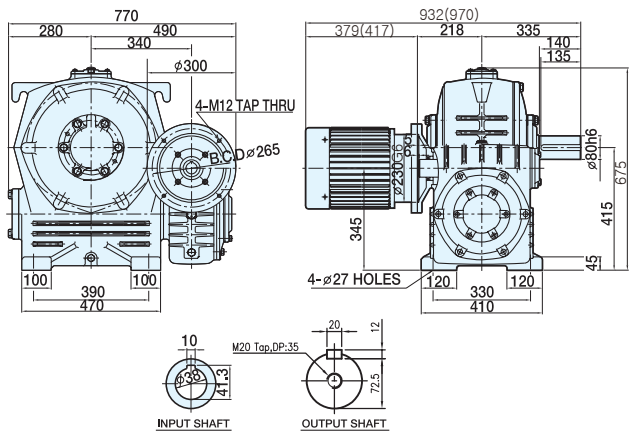
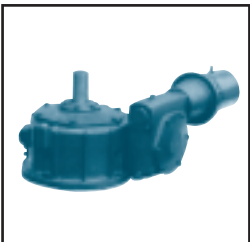
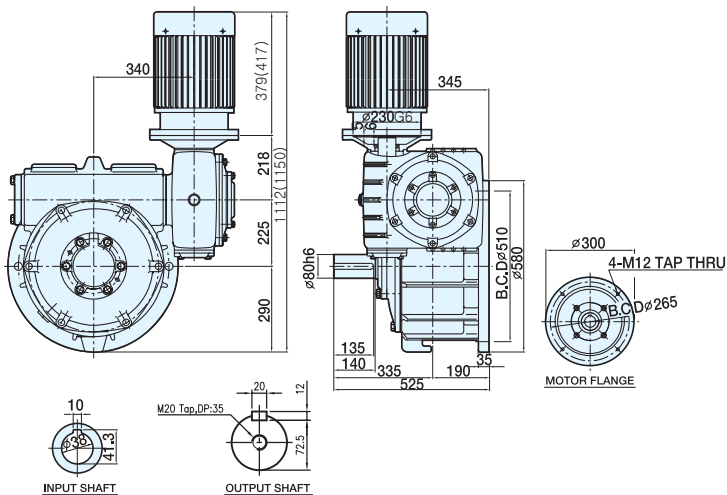
*() 안의 치수는 7.5HP 모터 치수임.

전동능력표

수치는 1일 8~10시간 연속 운전이고 균일 하중의 수치입니다.

INPUT rpm RATIO	1800				1500			
	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf
1/200	7.50	4.36	347.65	2200	7.50	3.16	251.46	2200
1/300	5.00	2.75	329.09	2200	5.00	2.69	385.67	2200
1/400	5.00	2.40	385.67	2200	5.00	2.35	488.00	2200
1/500	5.00	2.45	488.00	2200	4.00	2.04	488.00	2200
1/600	4.80	2.04	488.00	2200	4.00	1.70	488.00	2200
1/800	3.60	1.53	488.00	2200	3.00	1.28	488.00	2200
1/900	3.20	1.36	488.00	2200	2.68	1.14	488.00	2200

Double Worm Geared Motor/2단 월 기어드 모터

MODEL	축배치 및 회전방향	도면
 DWBM-225	A B C	 INPUT SHAFT OUTPUT SHAFT
 DWVM-225	A B C D E F	 INPUT SHAFT OUTPUT SHAFT MOTOR FLANGE

*() 안의 치수는 10HP모터 치수임.

전동능력표

수치는 1일 8~10시간 연속 운전이고 균일 하중의 수치입니다.

INPUT rpm RATIO	1800				1500			
	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf
1/200	—	—	—	2500	—	—	—	2500
1/300	7.50	4.18	482.55	2500	7.50	4.10	568.57	2500
1/400	7.50	4.04	643.02	2500	7.50	3.61	690	2500
1/500	7.50	3.46	690	2500	6.8	2.89	690	2500
1/600	7.00	2.98	690	2500	5.9	2.49	690	2500
1/800	5.00	2.16	690	2500	4.3	1.80	690	2500
1/900	4.70	1.99	690	2500	3.9	1.66	690	2500