

# MAX21 WORM

기술자료

I

*Single Worm Reducer & Geared Motor*

II

*Double Worm Reducer & Geared Motor*

DWB / DWV & DWBM / DWVM

III

*Helical Worm Reducer*

IV

*Small Worm Reducer*

V

벨트식 무단 변속기

VI

# MAX21 WORM

기술자료

I

*Single Worm Reducer & Geared Motor*

II

*Double Worm Reducer & Geared Motor*

DWB / DWV & DWBM / DWVM

III

*Helical Worm Reducer*

IV

*Small Worm Reducer*

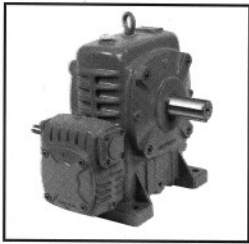
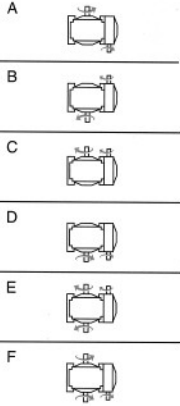
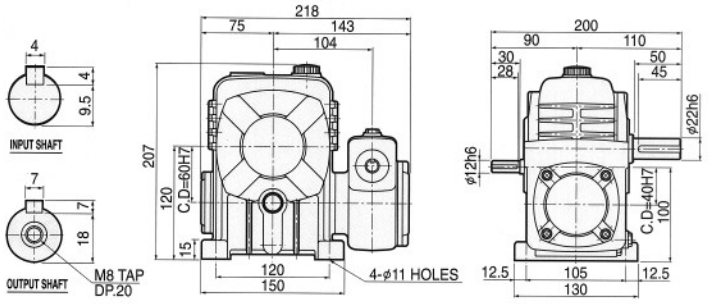
V


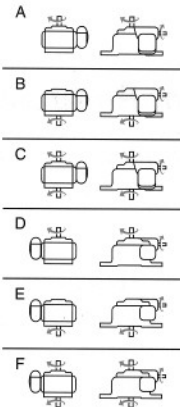
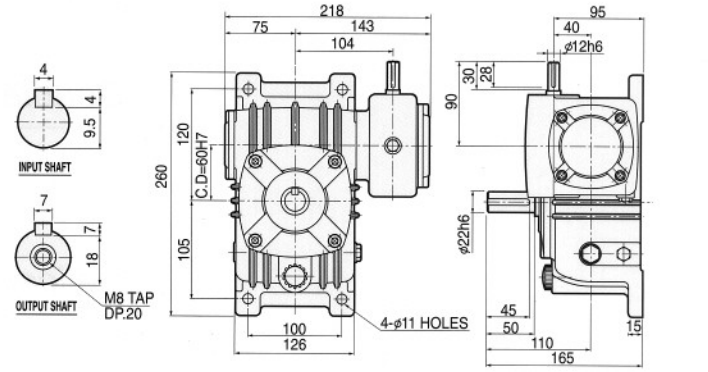
벨트식 무단 변속기

VI

# Double Worm Reducer

## 2단 웜 감속기

MODEL	축배치 및 회전방향	도 면
 <p><b>DWB-60</b></p>		 <p>Technical drawings for DWB-60 showing input/output shaft details and main housing dimensions. Dimensions include: 75, 218, 143, 104, 207, 120, 15, 120, 150, 4-φ11 HOLES, 4, 9.5, 4, INPUT SHAFT, 7, 18, 7, OUTPUT SHAFT, M8 TAP DP.20, 90, 200, 110, 30, 28, 50, 45, φ12h6, C.D.=40H7, 100, 12.5, 105, 130.</p>

 <p><b>DWV-60</b></p>		 <p>Technical drawings for DWV-60 showing input/output shaft details and main housing dimensions. Dimensions include: 75, 218, 143, 104, 260, 120, 105, 100, 126, 4-φ11 HOLES, 4, 9.5, 4, INPUT SHAFT, 7, 18, 7, OUTPUT SHAFT, M8 TAP DP.20, 90, 40, 95, φ12h6, 30, 28, 45, 50, 110, 165, φ22h6.</p>
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### 전동능력표

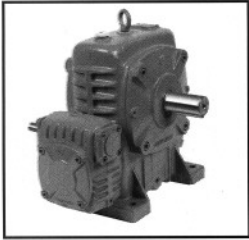






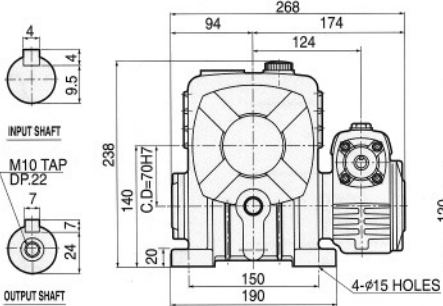
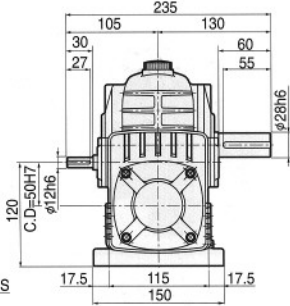
수치는 1일 8~10시간 연속 운전이고 균일 하중의 수치입니다.

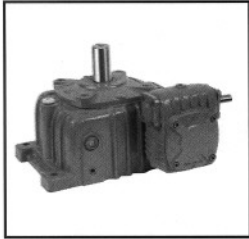






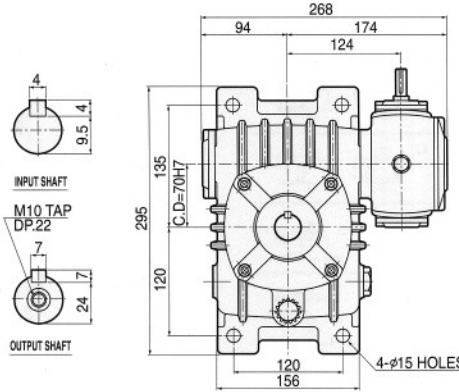
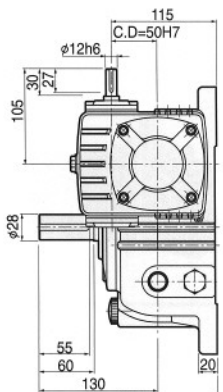
RATIO	INPUT rpm 1800				INPUT rpm 1500				INPUT rpm 1200			
	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf
1/200	0.32	0.13	11.6	200	0.27	0.12	11.6	200	0.21	0.08	11.6	200
1/300	0.23	0.08	11.6	200	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

RATIO	INPUT rpm 900				INPUT rpm 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



# MAX21 WORM

MODEL	축배치 및 회전방향	도	면
 <p><b>DWB-70</b></p>	<p>A </p> <p>B </p> <p>C </p> <p>D </p> <p>E </p> <p>F </p>		

 <p><b>DWV-70</b></p>	<p>A </p> <p>B </p> <p>C </p> <p>D </p> <p>E </p> <p>F </p>		
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III-2

## 전동능력표

수치는 1일 8~10시간 연속 운전이고 균일 하중의 수치입니다.

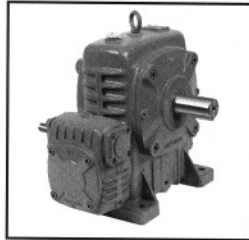
RATIO	INPUT rpm 1800				1500				1200			
	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf
1/200	0.63	0.31	25.0	300	0.52	0.25	25.0	300	0.41	0.20	25.0	300
1/300	0.44	0.20	25.0	300	0.36	0.16	25.0	300	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

RATIO	INPUT rpm 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

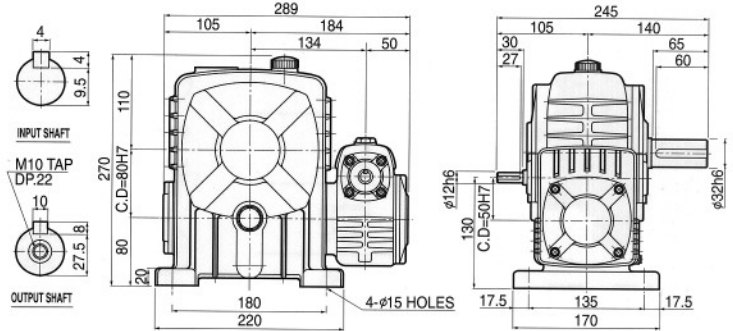
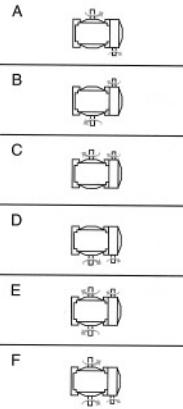
# Double Worm Reducer

## 2단 웜 감속기

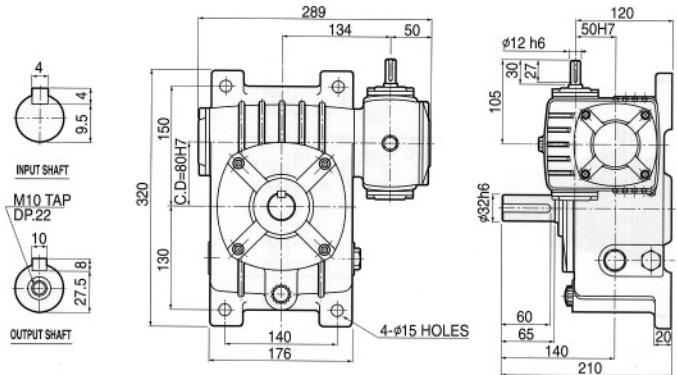
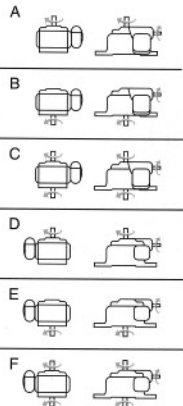
MODEL	축배치 및 회전방향	도	면
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**DWB-80**



**DWV-80**



### 전동능력표

수치는 1일 8~10시간 연속 운전이고 균일 하중의 수치입니다.

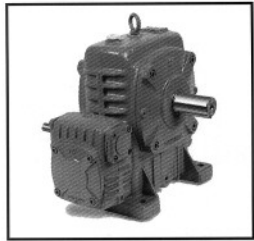
INPUT rpm RATIO	1800				1500				1200			
	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf
1/200	0.89	0.41	33.8	400	0.64	0.36	35.0	400	0.53	0.28	35.0	400
1/300	0.64	0.28	35.0	400	0.45	0.24	35.0	400	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

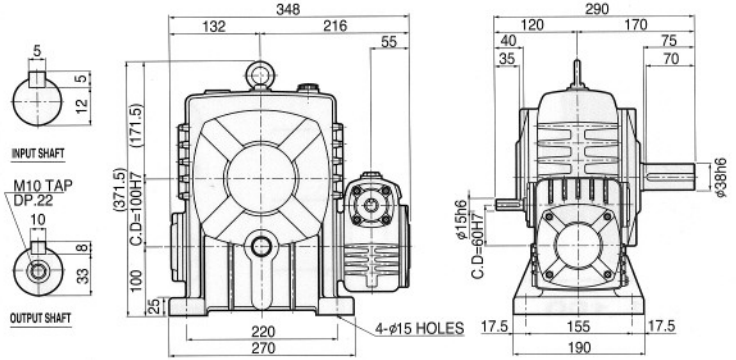
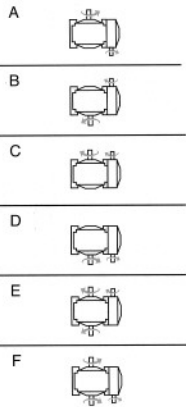


# MAX21 WORM

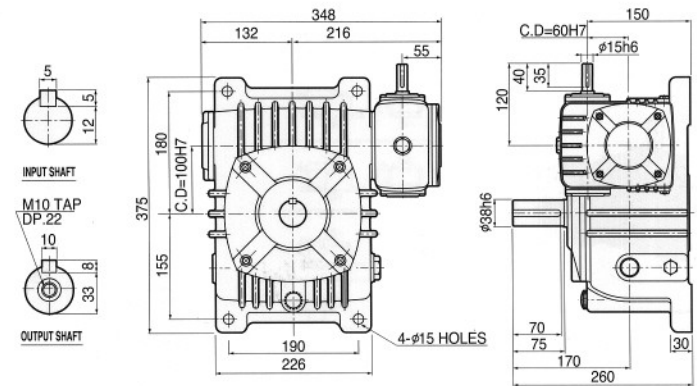
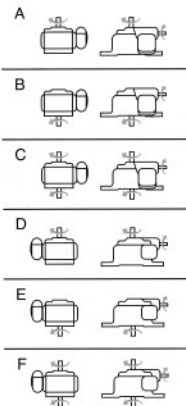
MODEL      축배치 및 회전방향      도      면



**DWB-100**



**DWV-100**



## 전동능력표

수치는 1일 8~10시간 연속 운전이고 균일 하중의 수치입니다.

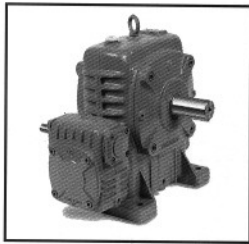
RATIO	1800				1500				1200			
	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf
1/200	1.17	0.62	50.0	575	0.95	0.52	50.0	622	0.77	0.41	50.0	650
1/300	0.84	0.40	50.0	650	0.67	0.33	50.0	650	0.54	0.27	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

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

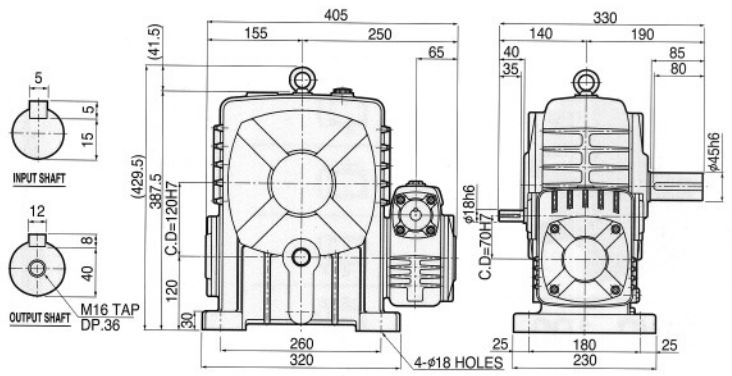
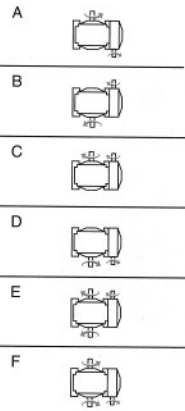
# Double Worm Reducer

## 2단 웜 감속기

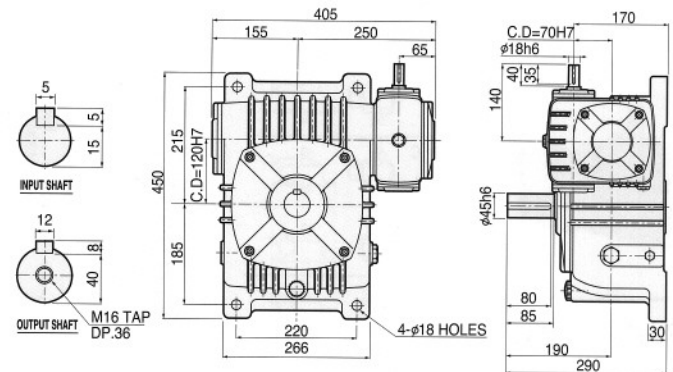
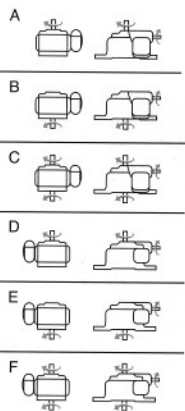
MODEL      축배치 및 회전방향      도      면



**DWB-120**



**DWV-120**



### 전동능력표



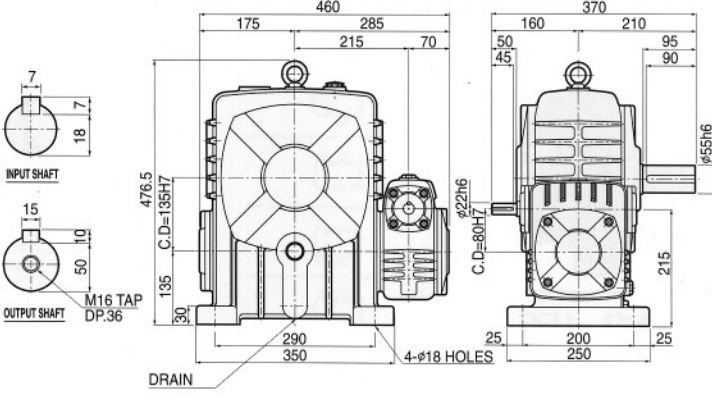






수치는 1일 8~10시간 연속 운전이고 균일 하중의 수치입니다.

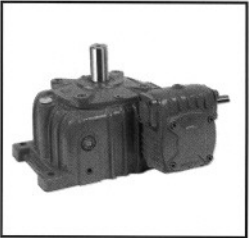

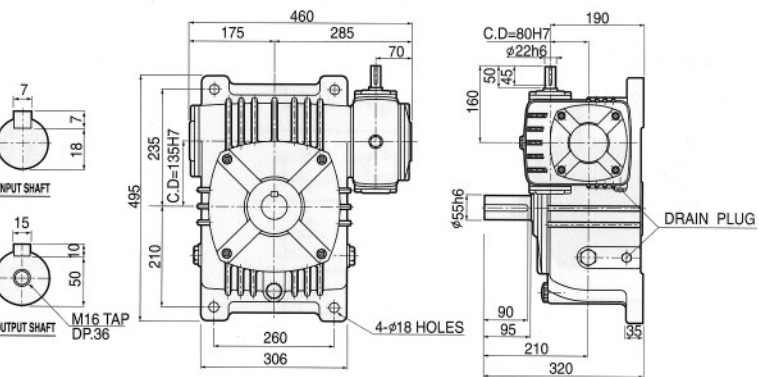






INPUT rpm	1800				1500				1200			
	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf
1/200	2.04	1.05	84.0	618	1.72	0.87	84.0	675	1.44	0.69	84.0	749
1/300	1.47	0.70	84.0	749	1.24	0.58	84.0	814	1.01	0.45	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	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



# MAX21 WORM

MODEL	축배치 및 회전방향	도면
 <p><b>DWB-135</b></p>	A 	
	B 	
	C 	
	D 	
	E 	
	F 	
	F 	

 <p><b>DWV-135</b></p>	A 	
	B 	
	C 	
	D 	
	E 	
	F 	
	F 	

III-6

## 전동능력표

수치는 1일 8~10시간 연속 운전이고 균일 하중의 수치입니다.








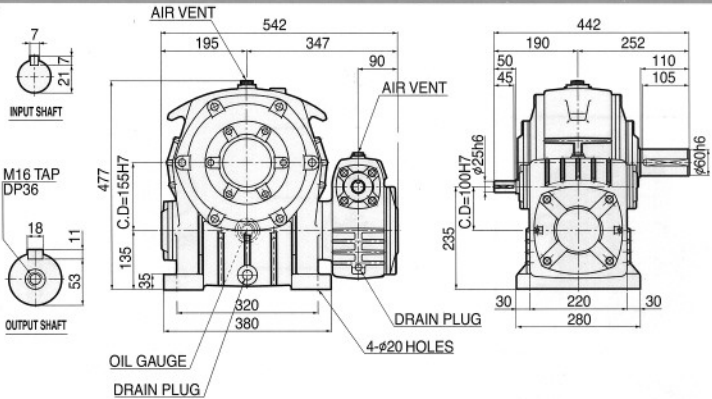
RATIO	1800				1500				1200			
	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf
1/200	3.13	1.75	1.40	960	2.37	1.45	1.40	1200	2.16	1.16	1.40	1156
1/300	2.24	1.16	1.40	1156	1.88	0.96	1.40	1200	1.56	0.78	1.40	1200
1/400	1.76	0.87	1.40	1200	1.51	0.72	1.40	1200	1.23	0.57	1.40	1200
1/500	1.47	0.69	1.40	1200	1.24	0.57	1.40	1200	1.01	0.45	1.40	1200
1/600	1.31	0.57	1.40	1200	1.09	0.48	1.40	1200	0.92	0.39	1.40	1200
1/800	1.35	0.43	1.40	1200	1.16	0.36	1.40	1200	0.96	0.29	1.40	1200
1/900	1.05	0.39	1.40	1200	1.16	0.32	1.40	1200	0.72	0.25	1.40	1200








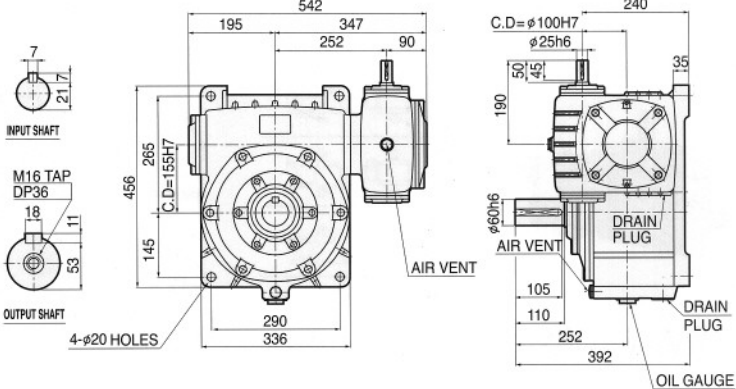
RATIO	900				600			
	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf
1/200	1.68	0.87	1.40	1200	1.18	0.58	1.40	1200
1/300	1.20	0.57	1.40	1200	0.85	0.39	1.40	1200
1/400	0.96	0.43	1.40	1200	0.68	0.28	1.40	1200
1/500	0.80	0.35	1.40	1200	0.55	0.23	1.40	1200
1/600	0.72	0.28	1.40	1200	0.50	0.19	1.40	1200
1/800	0.73	0.21	1.40	1200	0.53	0.14	1.40	1200
1/900	0.59	0.19	1.40	1200	0.39	0.12	1.40	1200



# Double Worm Reducer

## 2단 웜 감속기

MODEL	축배치 및 회전방향	도면
 <p><b>DWB-155</b></p>	<p>A </p> <p>B </p> <p>C </p> <p>D </p> <p>E </p> <p>F </p>	

MODEL	축배치 및 회전방향	도면
 <p><b>DWV-155</b></p>	<p>A </p> <p>B </p> <p>C </p> <p>D </p> <p>E </p> <p>F </p>	

### 전동능력표

수치는 1일 8~10시간 연속 운전이고 균일 하중의 수치입니다.

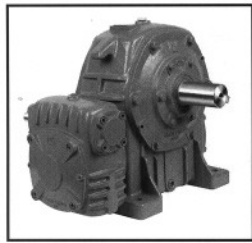
RATIO	1800				1500				1200			
	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf
1/200	5.08	2.83	225	1500	4.54	2.48	237	1500	3.82	2.01	242	1500
1/300	3.86	2.20	242	1500	3.33	1.68	242	1500	2.73	1.34	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

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

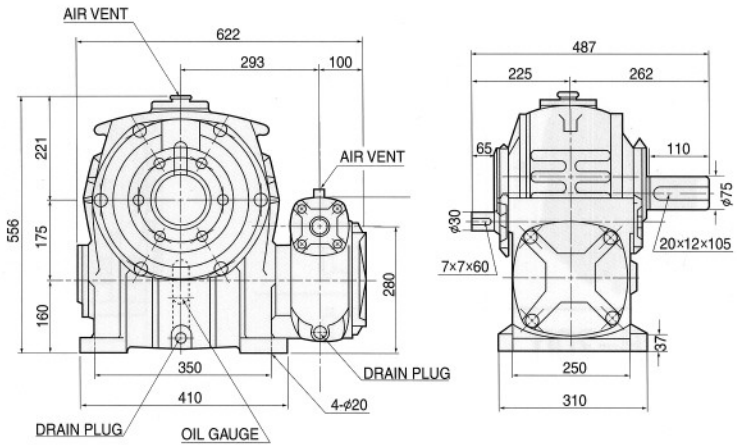
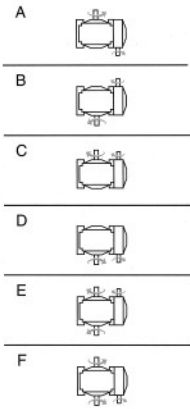


# MAX21 WORM

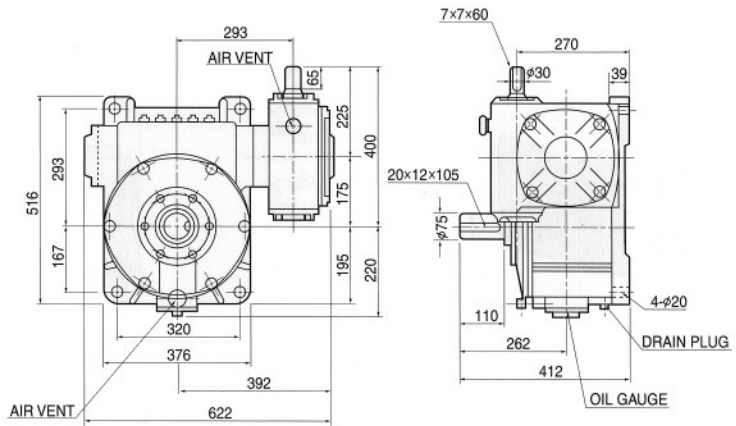
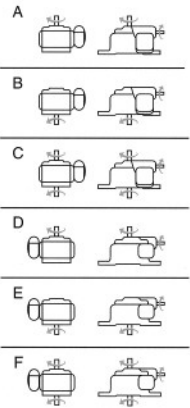
MODEL	축배치 및 회전방향	도면
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**DWB-175**



**DWV-175**



III-8

## 전동능력표



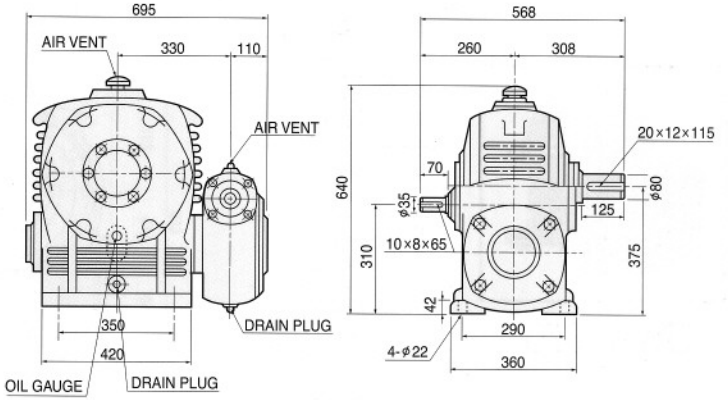






수치는 1일 8~10시간 연속 운전이고 균일 하중의 수치입니다.



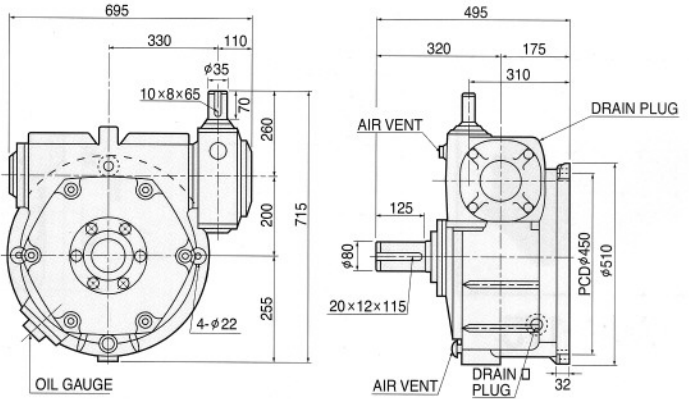






RATIO	1800				1500			
	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf
1/200	7.28	4.13	321	1800	6.52	3.63	338	1800
1/300	5.53	2.95	345	1800	4.73	2.46	345	1800
1/400	4.41	2.22	345	1800	3.76	1.84	345	1800
1/500	2.95	1.47	345	1800	3.01	1.48	345	1800
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

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	도 면	
 <p><b>DWB-200</b></p>	A		
	B		
	C		
	D		
	E		
	F		
			

 <p><b>DWV-200</b></p>	A		
	B		
	C		
	D		
	E		
	F		
			

### 전동능력표

수치는 1일 8~10시간 연속 운전이고 균일 하중의 수치입니다.

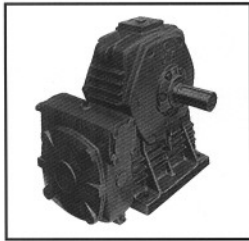
RATIO	1800				1500			
	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf
1/200	9.80	5.71	454	2200	8.77	5.02	480	2200
1/300	7.39	4.08	488	2200	6.31	3.40	488	2200
1/400	5.76	3.06	488	2200	4.91	2.55	488	2200
1/500	4.76	2.45	488	2200	4.05	2.04	488	2200
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

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

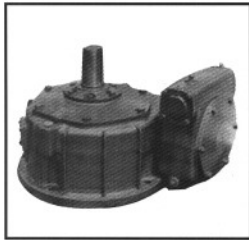
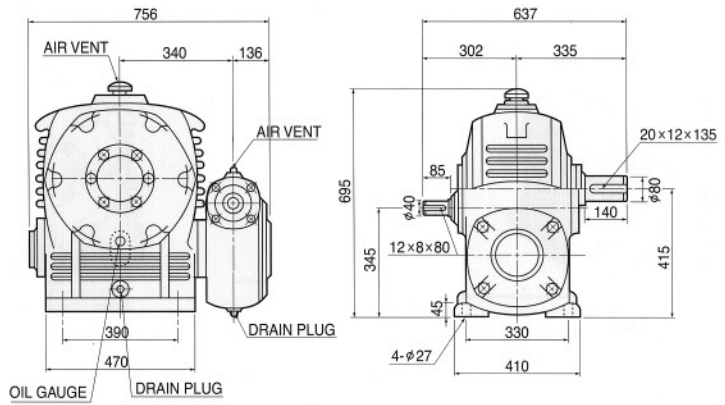
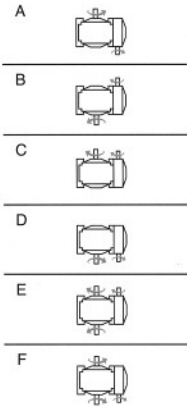


# MAX21 WORM

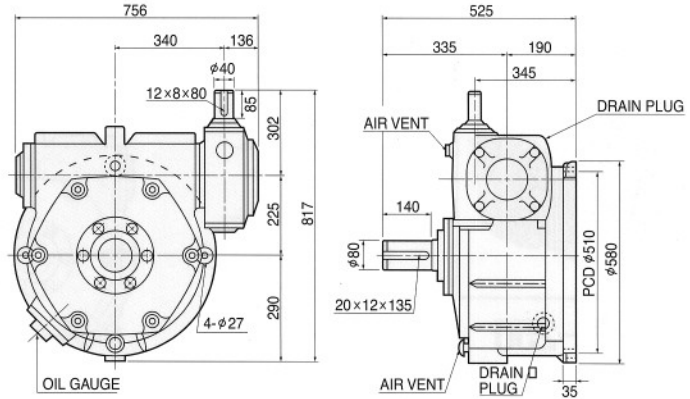
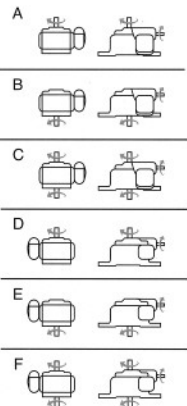
MODEL      축배치 및 회전방향      도      면



**DWB-225**



**DWV-225**



## 전동능력표

수치는 1일 8~10시간 연속 운전이고 균일 하중의 수치입니다.

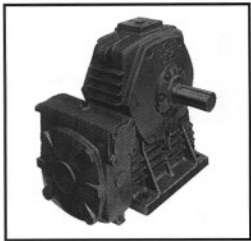
RATIO	1800				1500			
	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf
1/200	14.30	8.46	650	2500	12.79	7.44	685	2500
1/300	10.70	5.97	690	2500	9.09	4.98	690	2500
1/400	8.03	4.33	690	2500	6.82	3.61	690	2500
1/500	6.62	3.46	690	2500	5.64	2.89	690	2500
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	2.15	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

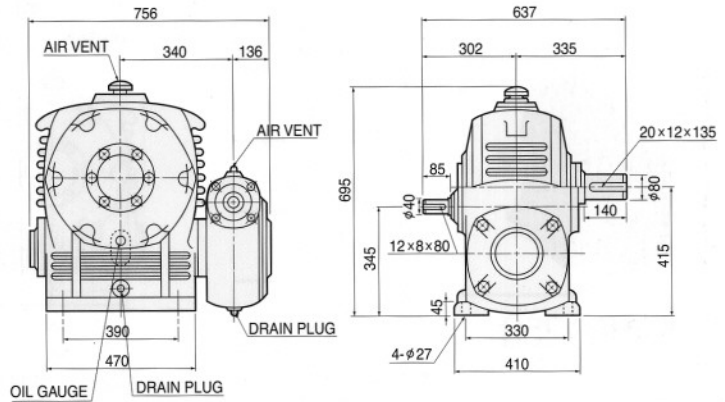
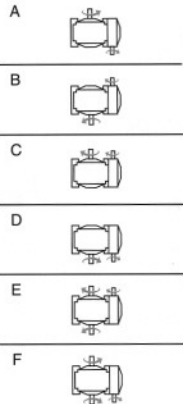


# MAX21 WORM

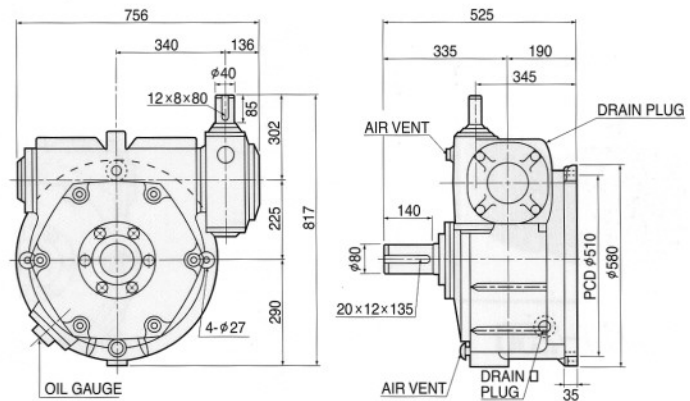
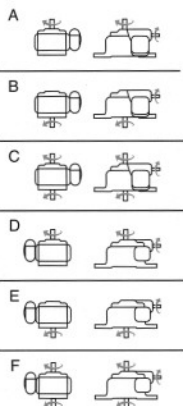
MODEL	축배치 및 회전방향	도	면
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**DWB-225**



**DWV-225**



## 전동능력표

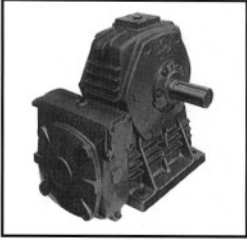

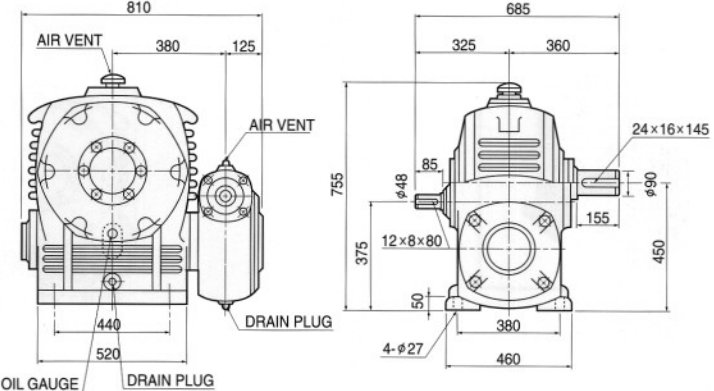





수치는 1일 8~10시간 연속 운전이고 균일 하중의 수치입니다.



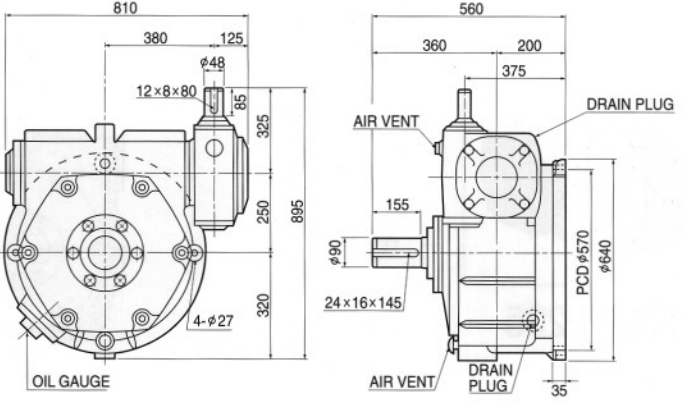





RATIO	1800				1500			
	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf
1/200	14.30	8.46	650	2500	12.79	7.44	685	2500
1/300	10.70	5.97	690	2500	9.09	4.98	690	2500
1/400	8.03	4.33	690	2500	6.82	3.61	690	2500
1/500	6.62	3.46	690	2500	5.64	2.89	690	2500
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	도	면
 <p><b>DWB-250</b></p>	A		
	B		
	C		
	D		
	E		
	F		

 <p><b>DWV-250</b></p>	A		
	B		
	C		
	D		
	E		
	F		

### 전동능력표

수치는 1일 8~10시간 연속 운전이고 균일 하중의 수치입니다.

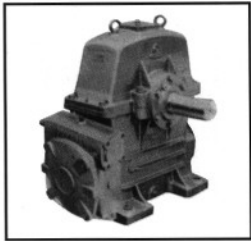
RATIO	INPUT rpm 1800				INPUT rpm 1500			
	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf
1/200	17.94	10.78	850	2700	15.21	8.99	850	2700
1/300	12.64	7.19	850	2700	10.71	5.99	850	2700
1/400	9.74	5.34	850	2700	8.26	4.45	850	2700
1/500	8.08	4.27	850	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

RATIO	INPUT rpm 1200				INPUT rpm 900				INPUT rpm 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

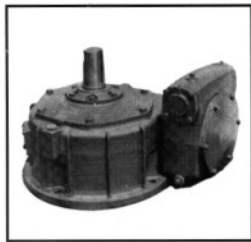
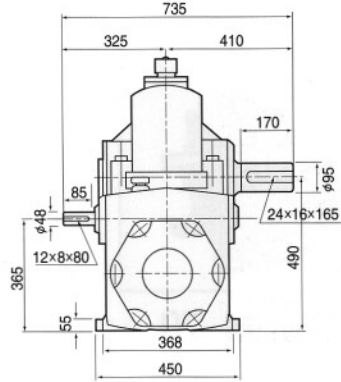
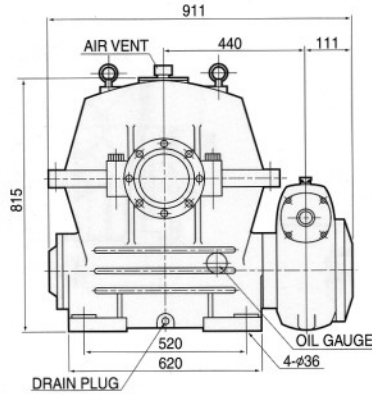
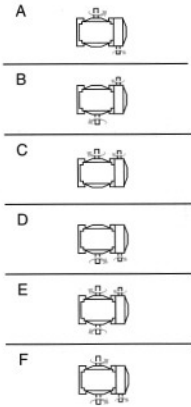


# MAX21 WORM

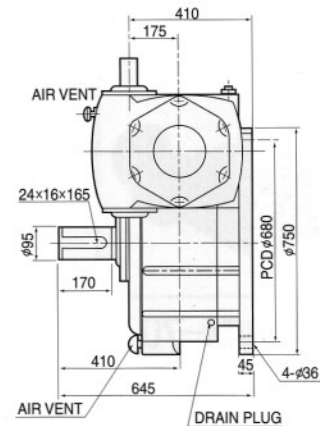
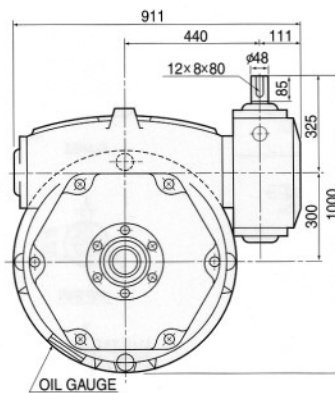
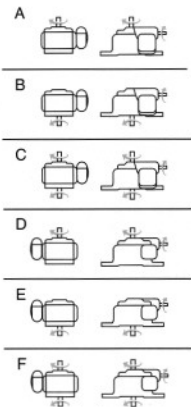
MODEL	축배치 및 회전방향	도면
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**DWB-300**



**DWV-300**



## 전동능력표


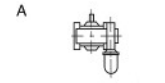
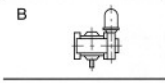

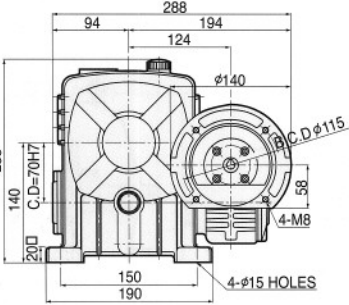
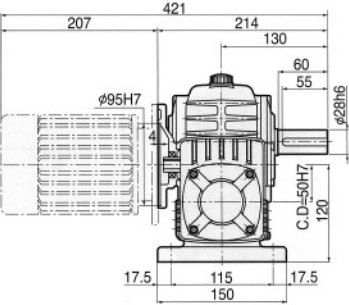



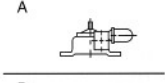
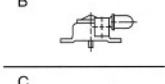
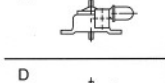
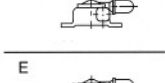
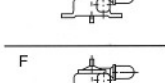
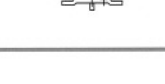
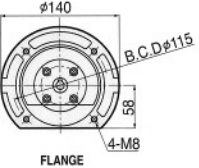
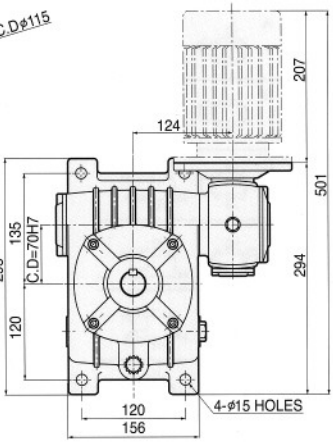
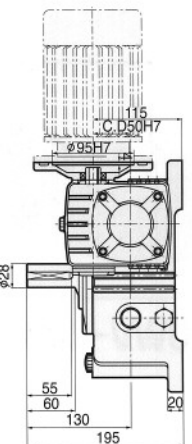

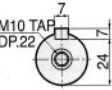
수치는 1일 8~10시간 연속 운전이고 균일 하중의 수치입니다.

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	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

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	도	면
 <p><b>DWBM-70</b></p>	<p>A</p>  <p>B</p>  <p>C</p> 	   	
 <p><b>DWVM-70</b></p>	<p>A</p>  <p>B</p>  <p>C</p>  <p>D</p>  <p>E</p>  <p>F</p> 	    	

III-13

### 전동능력표 [상기도면은 1/4HP 모터 장착시의 것임]


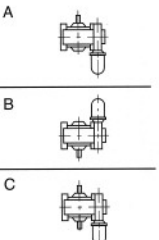
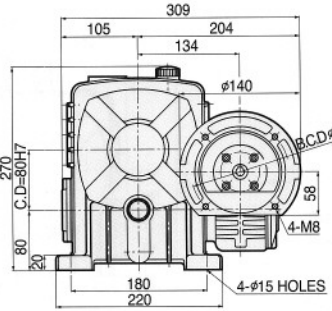
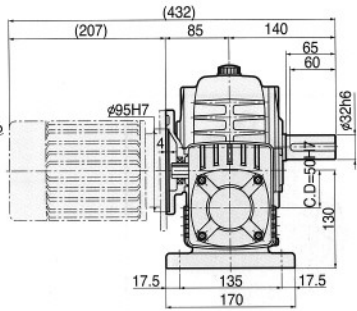
수치는 1일 8~10시간 연속 운전이고 균일 하중의 수치입니다.


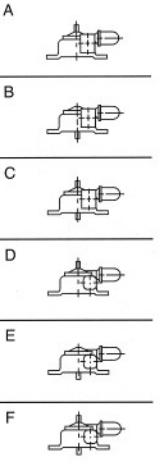
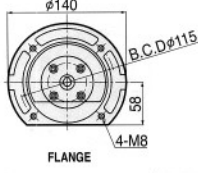
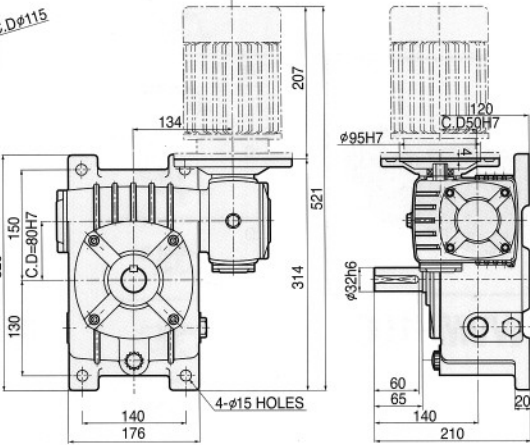
RATIO	INPUT rpm 1800				1500			
	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf	INPUT HP	OUTPUT HP	OUTPUT T kgf-m	OUTPUT O.H.L kgf
1/200	0.15	0.08	5.83	300	0.15	0.07	6.78	300
1/300	0.15	0.09	8.1	300	0.15	0.06	9.14	300
1/400	0.15	0.06	9.69	300	0.15	0.06	11.23	300
1/500	0.14	0.05	11.74	300	0.14	0.05	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





# MAX21 WORM

MODEL	축배치 및 회전방향	도	면
 <p><b>DWBM-80</b></p>			

 <p><b>DWVM-80</b></p>			
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III-14

## 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	0.25	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



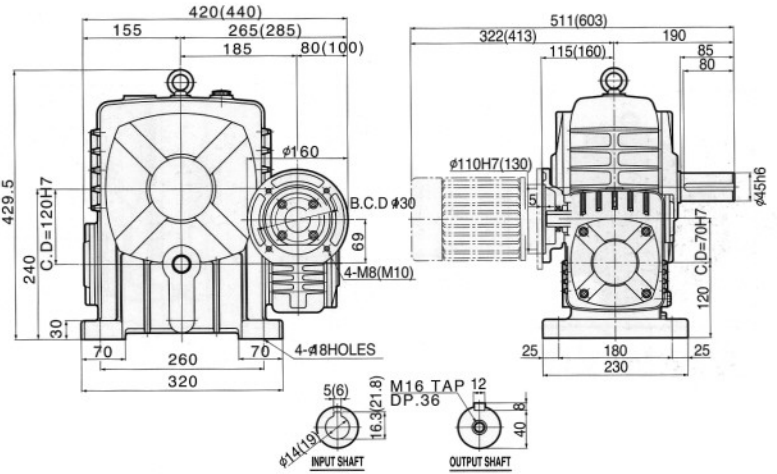
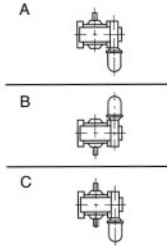


# MAX21 WORM

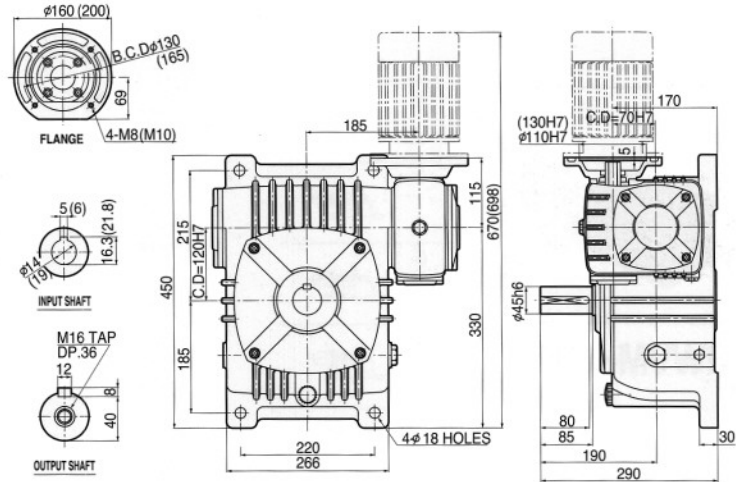
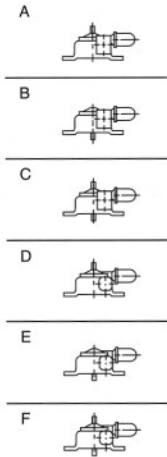
MODEL      축배치 및 회전방향      도      면



**DWBM-120**



**DWVM-120**



III-16

## 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	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

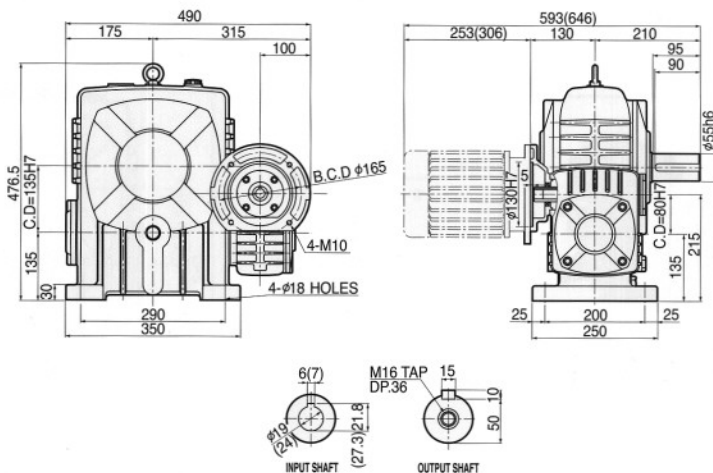
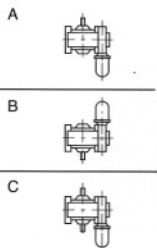
# Double Worm Geared Motor

## 2단 웜 기어드 모터

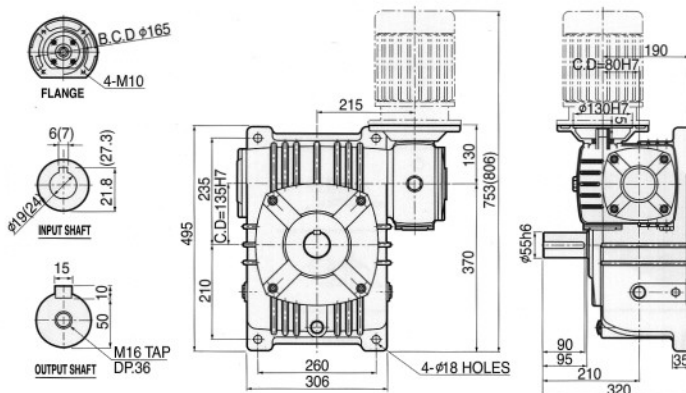
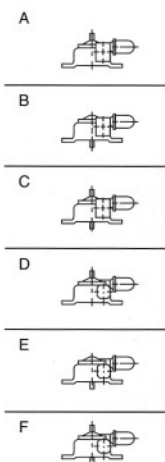
MODEL	축배치 및 회전방향	도	면
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DWBM-135



DWWM-135



### 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	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

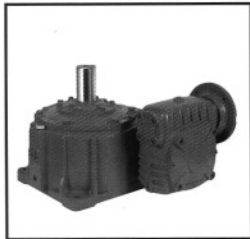
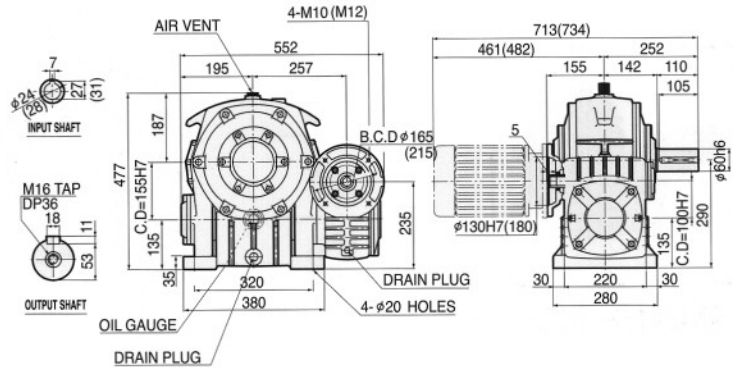
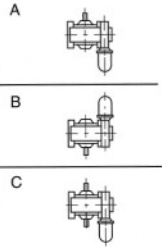


# MAX21 WORM

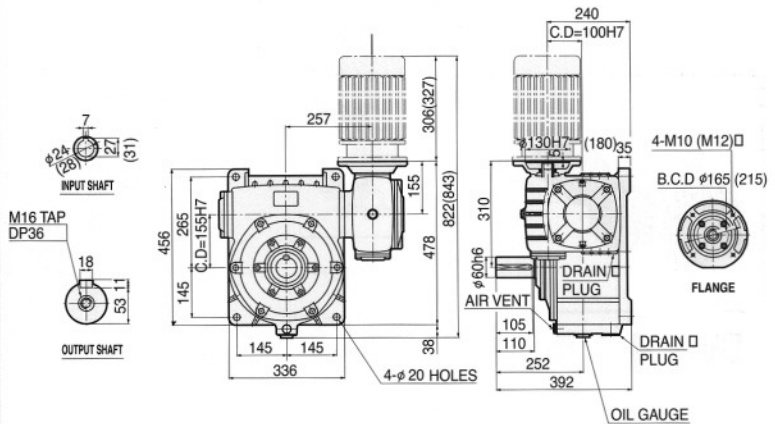
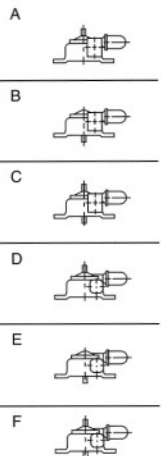
MODEL	축배치 및 회전방향	도면
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**DWBM-155**



**DWVM-155**



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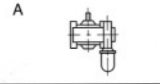
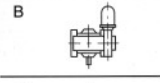

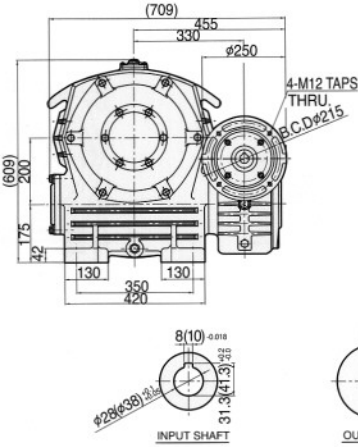
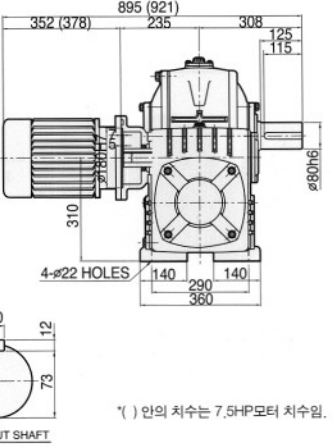
## 전동능력표


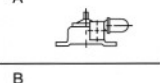
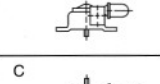
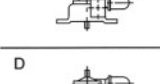
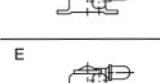
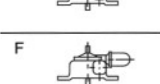

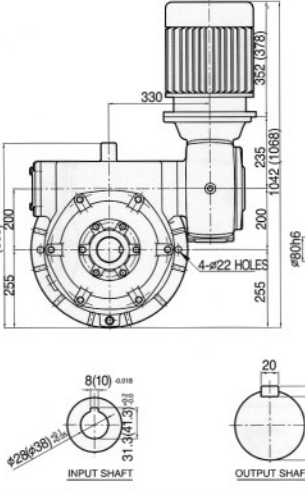
수치는 1일 8~10시간 연속 운전이고 균일 하중의 수치입니다.

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	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



# MAX21 WORM

MODEL	축배치 및 회전방향	도면	
 <p><b>DWBM-200</b></p>	<p>A</p>  <p>B</p>  <p>C</p> 	 <p>Technical drawing showing front and side views of the DWBM-200 motor with dimensions: (709), 455, 330, <math>\phi 250</math>, 4-M12 TAPS THRU, P.C.D<math>\phi 215</math>, (609), 200, 175, 42, 130, 350, 130, 420, 310, 4-<math>\phi 22</math> HOLES, 140, 290, 140, 360, 8(10) <math>\phi 0.018</math>, <math>\phi 28(\phi 38)</math>, 31.3(41.3)<math>\phi 0.015</math>, INPUT SHAFT, 20, 12, 73, OUTPUT SHAFT.</p>	 <p>Technical drawing showing side view of the DWBM-200 motor with dimensions: 895 (921), 352 (378), 235, 308, 125, 115, 310, 4-<math>\phi 22</math> HOLES, 140, 290, 140, 360, <math>\phi 80H6</math>, 20, 12, 73, OUTPUT SHAFT.</p> <p>(*) 안의 치수는 7.5HP모터 치수임.</p>

 <p><b>DWVM-200</b></p>	<p>A</p>  <p>B</p>  <p>C</p>  <p>D</p>  <p>E</p>  <p>F</p> 	 <p>Technical drawing showing front and side views of the DWVM-200 motor with dimensions: 330, 352 (378), 235, 1042 (1068), 200, 255, 255, 4-<math>\phi 22</math> HOLES, 115, 125, 320, 495, 175, 182, 8(10) <math>\phi 0.018</math>, <math>\phi 28(\phi 38)</math>, 31.3(41.3)<math>\phi 0.015</math>, INPUT SHAFT, 20, 12, 73, OUTPUT SHAFT, 4-M14 TAPS THRU, P.C.D<math>\phi 255</math>, MOTOR FLANGE, <math>\phi 450</math>, <math>\phi 510</math>, <math>\phi 300</math>, 134.</p> <p>(*) 안의 치수는 7.5HP 모터 치수임.</p>
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III-20


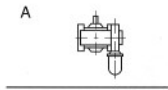
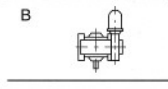
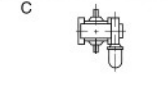
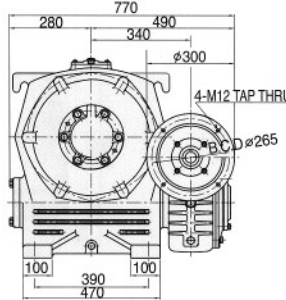
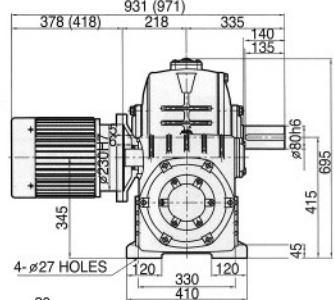
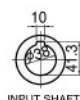
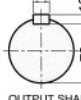

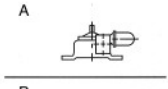
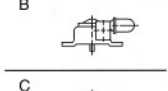
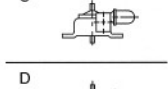
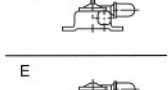
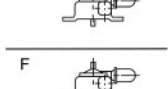
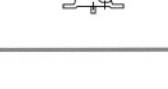
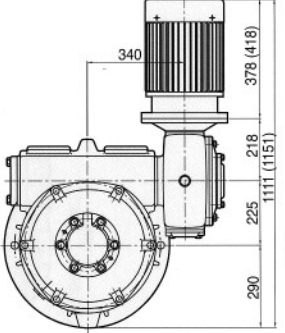
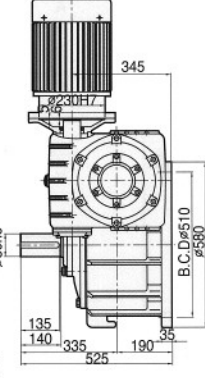


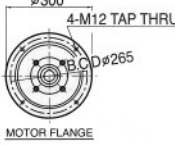
## 전동능력표

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	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	4.80	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 웜 기어드 모터

MODEL	축배치 및 회전방향	도면	
 <p><b>DWBM-225</b></p>	<p>A</p>  <p>B</p>  <p>C</p> 	   	
 <p><b>DWVM-225</b></p>	<p>A</p>  <p>B</p>  <p>C</p>  <p>D</p>  <p>E</p>  <p>F</p> 	    	

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### 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	—	—	—	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