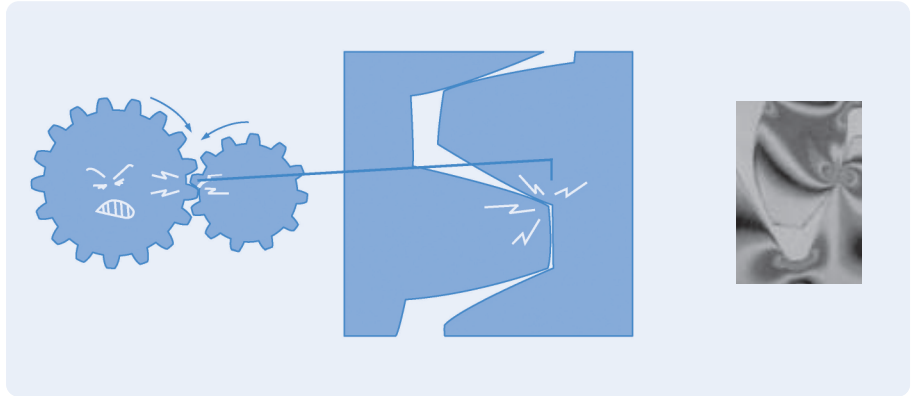


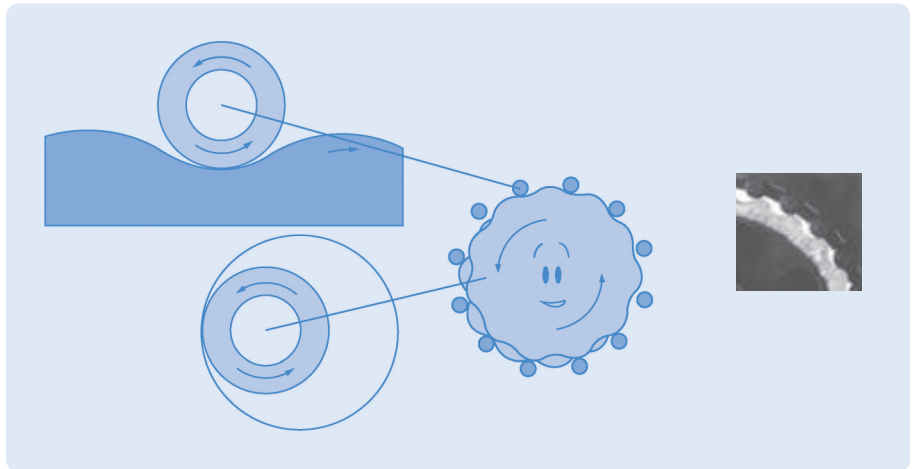
01 인볼류트 기어

맞물림율이 적기 때문에 충격하중이 발생하면 1~2개의 톱니에 충격이 집중됩니다.



02 CYCLO감속기

매끄러운 굴림접촉 맞물림율이 인볼류트 기어보다 2~3배 높고, 충격하중이 발생하여도 많은 톱니에서 분산 흡수하므로, 강하고 긴 수명의 감속기입니다.



효율이 높아 경제적이다. Overall Economy.

높은 고효율을 얻을 수 있어 타 감속기보다 경제적입니다.

Competitive initial cost, high reliability, long life and minimal maintenance give CYCLOID speed reducers superior overall economy when compared to conventional gearboxes.

소형 경량이다. Compact Size.

1단에서 1/6 ~ 1/119의 감속과 2단, 3단으로 수천에서 수십만 분의 1 감속을 할 수 있어 소형이고 경량화 하였습니다.

Single stage reduction ratios are available from 6 : 1 to 119 : 1, double stage up to 7,569 : 1 and triple stage up to almost 1,000,000 : 1. Fewer stages provide a much smaller footprint and envelope.

운전이 원활하고 소음이 적다. Low Noise.

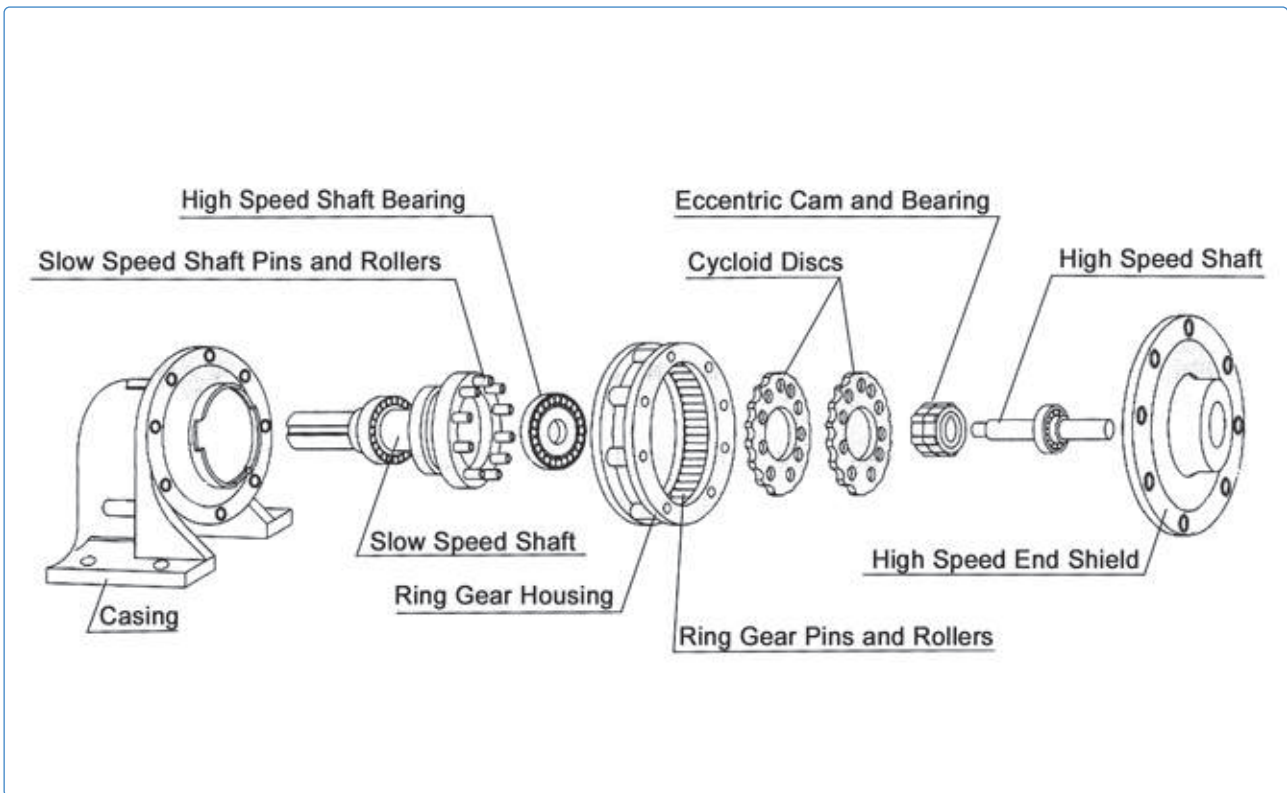
치면이 구름 접촉을 하고, 치면을 정밀 연삭 하여 운전이 원활하고 소음 진동이 적습니다.

When compared with the sliding tooth contact of conventional gearing, the rolling contact of the CYCLOID system reduces noise levels.

기종이 다양하고 보전작업이 용이하다. Maintenance Free Durability.

용도에 따라 다양한 취부 형태의 부품이 표준화되어 있어 선택의 폭이 크고, 표준화된 부품과 간단한 구조로 보전 작업이 용이 합니다.

Because of various mounting types of parts as per application, that have already been standardized, it can take a wide room for selection, and it keeps easy maintenance with standard parts and simple structure.



A

B

C

D

E

F

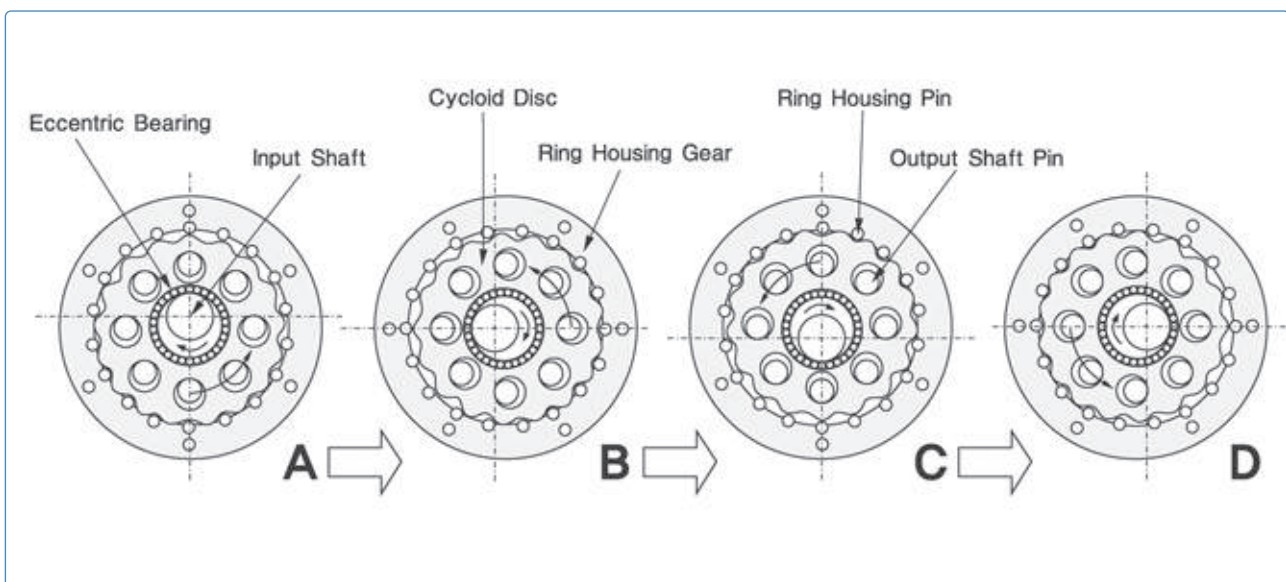
G

사이크로이드 치형 감속기의 구성은 아래 그림의 부품으로 구성 되어 있다.

- 입력부는 입력축 또는 모터축에 편심캠, 베어링, 오일씰
- 감속부는 곡선판, 링기어하우징, 핀, 롤러
- 출력부는 출력샤프트, 베어링, 케이스로 구성된다.

The cycloidal design basically has three major components.

- Input shaft assembly (high speed) with eccentric cam, roller bearing and oil seals.
- Cycloid disc, Ringgear Housing, Pin, Bush
- Output shaft assembly (slow speed) with support bearings and case.



감속원리는 입력축에 전달된 토크는 편심캠의 운동으로 회전하고 그 운동으로 링기어 하우징의 내부 곡선판을 회전 시킨다. 링기어 하우징에 고정되어 있는 핀과 접촉하는 곡선판의 회전에 의해 출력축이 반대 방향으로 회전하게 된다. 편심캠 1회전시 곡선판 1개 잇수만큼 이동하게 되고, 곡선판 내부 홈에 삽입되어 있는 출력축 고정핀에 의하여 출력축이 회전하면서 감속된 회전수를 얻을 수 있다.

(Torque transmitted to the high-speed shaft rotates the eccentric cam and roller bearing assembly, and rolls the cycloid discs around the internal circumference of the stationary ring gear housing. The teeth of the cycloid discs contact the pins of the stationary ring gear, producing a reverse rotation at a reduced speed.

Each rotation of the high-speed shaft advances the cycloid discs a distance of one tooth pitch in the opposite direction. The reduced rotation of cycloid discs is transmitted to the output shaft assembly by means of drive pins and rollers that are projected through holes located around the bore of the cycloid discs.)

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model Motor(HP)-Frame-Ratio
	KW	HP	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	
6	0.2	1/4	250	0.72	140	2.00	300	0.60	130	1.80	02-8808-6
	0.4	1/2		1.44	140	1.00		1.20	130	1.05	05-8808-6
	0.75	1		2.70	262	3.32		2.25	248	3.35	05-8809-6
					262	1.77			248	1.79	1-8809-6
	1.5	2		5.40	415	2.95		4.50	390	3.01	1-8810-6
					415	1.47			390	1.51	2-8810-6
	2.2	3		7.92	516	3.31		6.60	487	3.25	2-8811-6
					415	1.00			390	1.03	3-8810-6
	3.7	5		13.3	516	2.25		11.1	487	2.22	3-8811-6
					516	1.34			487	1.32	5-8811-6
					519	1.79			487	1.83	5-8812-6
	5.5	7.5		19.8	601	2.69		16.5	568	2.69	5-8813-6
					519	1.20			487	1.23	8-8812-6
					601	1.81			568	1.81	8-8813-6
	7.5	10		27.0	601	1.33		22.5	568	1.33	10-8813-6
					940	1.73			890	1.73	10-8815-6
975			1.95		920	1.95	10-8816-6				
11	15	39.6	940	1.18	33.0	890	1.18	15-8815-6			
			975	1.33		920	1.33	15-8816-6			
			1152	1.94		1081	2.04	15-8817-6			
15	20	54.0	1152	1.43	45.0	1081	1.50	20-8817-6			
18.5	25	66.6	1152	1.16	55.5	1081	1.21	25-8817-6			
8	0.2	1/4	188	0.96	154	2.00	225	0.80	145	2.00	02-8808-8
	0.4	1/2		1.92	154	1.00		1.60	145	1.00	05-8808-8
	0.75	1		3.60	289	3.38		3.30	272	3.35	05-8809-8
					289	1.80			272	1.79	1-8809-8
	1.5	2		7.20	455	3.63		6.00	429	3.68	1-8810-8
					455	1.81			429	1.84	2-8810-8
	2.2	3		10.6	570	3.34		8.80	537	3.34	2-8811-8
					455	1.24			429	1.25	3-8810-8
	3.7	5		17.8	570	2.28		14.8	537	2.28	3-8811-8
					570	1.36			537	1.35	5-8811-8
					571	1.84			540	1.83	5-8812-8
	5.5	7.5		26.4	659	2.70		22.0	624	2.70	5-8813-8
					570	1.24			540	1.23	8-8812-8
					659	1.82			624	1.82	8-8813-8
	7.5	10		36.0	659	1.33		30.0	624	1.33	10-8813-8
					1030	1.73			975	1.72	10-8815-8
1072			2.37		1010	2.39	10-8816-8				
11	15	52.8	1030	1.18	44.0	975	1.17	15-8815-8			
			1072	1.62		1012	1.63	15-8816-8			
			1072	1.19		1012	1.19	20-8816-8			

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model Motor(HP)-Frame-Ratio
	KW	HP	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	
11	0.2	1/4	136	1.32	101	1.20	164	1.10	92	1.20	02-8807-11
					170	2.00			161	2.00	02-8808-11
	0.4	1/2		2.64	170	1.00		161	1.00	05-8808-11	
					325	3.05		309	3.02	05-8809-11	
	0.75	1		4.95	325	1.63		309	1.61	1-8809-11	
					506	3.62		476	3.60	1-8810-11	
	1.5	2		9.90	506	1.81		476	1.80	2-8810-11	
					634	3.35		597	3.32	2-8811-11	
	2.2	3		14.5	506	1.24		476	1.23	3-8810-11	
					634	2.29		597	2.26	3-8811-11	
	3.7	5		24.4	634	1.36		597	1.34	5-8811-11	
					735	2.62		692	2.64	5-8813-11	
	5.5	7.5		36.3	735	1.76		692	1.78	8-8813-11	
					735	1.29		692	1.30	10-8813-11	
	7.5	10		49.5	968	1.31		916	1.32	10-8814-11	
					1131	1.73		1070	1.72	10-8815-11	
					1198	2.41		1122	2.37	10-8816-11	
	11	15		72.6	1131	1.18		1070	1.17	15-8815-11	
					1198	1.64		1122	1.62	15-8816-11	
	15	20		99.0	1198	1.21		1122	1.19	20-8816-11	
1407			1.80		1322	1.79	20-8817-11				
1888			2.15		1780	2.16	20-8818-11				
18.5	25	122	1407	1.46	1322	1.45	25-8817-11				
			1888	1.74	1780	1.75	25-8818-11				
22	30	145	1407	1.23	1322	1.22	30-8817-11				
			1888	1.47	1780	1.47	30-8818-11				
			2647	1.97	2481	1.97	30-8819-11				
30	40	198	1888	1.08	1780	1.08	40-8818-11				
			2647	1.44	2481	1.44	40-8819-11				
			3420	1.92	3242	1.93	40-8820-11				
37	50	244	2647	1.17	2481	1.17	50-8819-11				
			3420	1.56	3242	1.56	50-8820-11				
			4360	1.89	4132	1.88	50-8821-11				
45	60	297	3420	1.28	3242	1.28	60-8820-11				
			4367	1.55	4132	1.55	60-8821-11				
			4592	2.14	4350	2.13	60-8822-11				
55	75	363	4367	1.27	4132	1.26	75-8821-11				
			4592	1.75	4350	1.74	75-8822-11				
75	100	495	4592	1.29	412	4350	1.28	100-8822-11			

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model Motor(HP)-Frame-Ratio
	KW	HP	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	
13	0.2	1/4	115	1.56	107	1.20	138	1.30	100	1.20	02-8807-13
					177	2.00			170	2.00	02-8808-13
	0.4	1/2		3.12	177	1.00		170	1.00	05-8808-13	
					334	3.00		325	3.00	05-8809-13	
	0.75	1		5.85	334	1.60		325	1.60	1-8809-13	
					534	3.54		505	3.52	1-8810-13	
	1.5	2		11.7	534	1.77		505	1.76	2-8810-13	
					670	3.25		634	3.24	2-8811-13	

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model Motor(HP)-Frame-Ratio
	KW	HP	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	
13	2.2	3	115	17.2	534	1.21	138	14.3	505	1.20	3-8810-13
					670	2.22			634	2.21	6-8811-13
	3.7	5		28.9	670	1.32		634	1.31	5-8811-13	
					670	1.35		634	1.35	5-8812-13	
					775	2.49		736	2.50	5-8813-13	
	5.5	7.5		42.9	775	1.67		35.8	736	1.68	8-8813-13
	7.5	10		58.5	775	1.23		48.8	736	1.23	10-8813-13
					1190	1.37			1131	1.36	10-8815-13
					1260	2.27			1197	2.27	10-8816-13
	11	15		85.8	1260	1.54		71.5	1197	1.54	15-8816-13
					1478	2.43			1407	2.44	15-8817-13
	15	20		117	1260	1.13		97.5	1197	1.13	20-8816-13
					1478	1.78			1407	1.78	20-8817-13
					1995	2.21			1884	2.20	20-8818-13
	18.5	25		144	1478	1.44		120	1407	1.45	25-8817-13
					1995	1.79			1884	1.78	25-8818-13
					1478	1.21			1407	1.22	30-8817-13
	22	30		172	1995	1.50		143	1884	1.50	30-8818-13
2793			1.81		2632	1.92	30-8819-13				
1995			1.10		1884	1.10	40-8818-13				
30	40	234	2793	1.33	195	2632	1.41	40-8819-13			
			289	2.793		2632	1.14	50-8819-13			

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model Motor(HP)-Frame-Ratio
	KW	HP	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	
15	0.2	1/4	100	1.80	110	1.20	120	1.50	106	1.20	02-8807-15
					180	2.00			179	2.00	02-8808-15
	0.4	1/2		3.60	180	1.00		3.00	179	1.00	05-8808-15
					340	2.62			335	2.00	05-8809-15
	0.75	1		6.75	340	1.40		5.62	335	1.39	1-8809-15
					550	3.65			528	3.63	1-8810-15
	1.5	2		13.5	550	1.83		11.3	528	1.81	2-8810-15
					705	3.23			662	3.21	2-8811-15
	2.2	3		19.8	550	1.24		16.5	528	1.24	3-8810-15
					705	2.20			662	2.19	3-8811-15
	3.7	5		33.3	705	1.31		27.8	662	1.30	5-8811-15
					705	1.34			662	1.34	5-8812-15
					818	2.06			765	2.05	5-8813-15
	5.5	7.5		49.5	818	1.39		41.2	765	1.38	8-8813-15
					1060	1.66			1010	1.66	8-8814-15
					818	1.02			765	1.01	10-8813-15
	7.5	10		67.5	1060	1.22		56.2	1010	1.22	10-8814-15
					1241	1.32			1170	1.32	10-8815-15
					1333	1.97			1240	1.99	10-8816-15
					1333	1.36			82.5	1.26	15-8816-15
	11	15		99.0	1565	2.08		113	1470	2.07	20-8817-15
					1333	1.00			1240	1.00	20-8816-15
	15	20		135	1565	1.53		139	1470	1.52	20-8817-15
					2100	2.02			1970	2.00	20-8818-15
1565			1.24		1470	1.23	25-8817-15				
18.5	25	167	2100	1.64	165	1970	1.62	25-8818-15			
			1565	1.04		1470	1.04	30-8817-15			
22	30	198	2100	1.38	198	1970	1.36	30-8818-15			
			2940	1.94		2750	1.93	30-8819-15			

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model Motor(HP)-Frame-Ratio
	KW	HP	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	
15	30	40	100	270	2090	1.01	120	225	1970	1.00	40-8818-15
					2930	1.42			2750	1.42	40-8819-15
					3760	1.94			3560	1.94	40-8820-15
	37	50		333	2930	1.15		2750	1.15	50-8819-15	
					3760	1.57		3560	1.57	50-8820-15	
					4790	1.93		4530	1.92	50-8821-15	
	45	60	405	405	3760	1.29	338	338	3560	1.29	60-8820-15
					4790	1.58			4530	1.58	60-8821-15
					5040	2.00			4770	2.00	60-8822-15
	55	75	495	495	4790	1.30	412	412	4530	1.29	75-8821-15
					5040	1.64			4770	1.64	75-8822-15
	75	100	675	675	5040	1.20	562	562	4770	1.20	100-8822-15

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model Motor(HP)-Frame-Ratio		
	KW	HP	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF			
17	0.2	1/4	88	2.04	110	1.20	106	1.72	109	1.20	02-8807-17		
					180	2.00			179	2.00	02-8808-17		
	0.4	1/2		4.08	180	1.00		3.40	3.40	179	1.00	05-8808-17	
					340	2.68				339	2.72	05-8809-17	
	0.75	1		7.65	7.65	340		1.43	6.38	6.38	339	1.45	1-8809-17
						550		2.79			550	2.73	1-8810-17
	1.5	2	15.3	15.3	550	1.39	12.8	12.8	550	1.37	2-8810-17		
					733	3.12			690	3.07	2-8811-17		
	2.2	3	22.4	22.4	733	2.13	18.7	18.7	690	2.09	3-8811-17		
					733	1.26			690	1.24	5-8811-17		
	3.7	5	37.7	37.7	734	1.34	31.4	31.4	690	1.34	5-8812-17		
					850	1.90			795	1.91	5-8813-17		
	5.5	7.5	56.1	56.1	850	1.28	46.8	46.8	795	1.28	8-8813-17		
					1100	1.65			1040	1.64	8-8814-17		
	7.5	10	76.5	76.5	1100	1.21	63.8	63.8	1040	1.20	10-8814-17		
					1380	2.00			1310	1.99	10-8816-17		
	11	15	112	112	1380	1.36	93.5	93.5	1310	1.35	15-8816-17		
					1620	1.75			1532	1.75	15-8817-17		
	15	20	153	153	1380	1.00	128	128	1310	1.00	20-8816-17		
					1620	1.29			1532	1.29	20-8817-17		
	18.5	25	189	189	2180	2.00	157	157	2050	1.99	20-8818-17		
					1620	1.04			1532	1.04	25-8817-17		
	22	30	224	224	2180	1.62	188	188	2050	1.61	25-8818-17		
					2180	1.36			2050	1.35	30-8818-17		
30	40	306	306	3050	1.95	255	255	2870	1.94	30-8819-17			
				2180	1.00			2050	1.00	40-8818-17			
37	50	377	377	3050	1.43	314	314	2870	1.42	40-8819-17			
				3050	1.16			2870	1.15	50-8819-17			

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model Motor(HP)-Frame-Ratio
	KW	HP	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	
21	0.2	1/4	71	2.52	110	1.00	89	2.10	110	1.00	02-8807-21

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model Motor(HP)-Frame-Ratio
	KW	HP	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	
21	0.2	1/4	71	2.52	180	2.00	89	2.10	180	2.00	02-8808-21
	0.4	1/2		5.04	180	1.00		4.20	180	1.00	05-8808-21
	0.75	1		9.45	340	2.48		7.88	340	1.33	1-8809-21
					550	2.69			550	2.68	1-8810-21
	1.5	2		18.9	550	1.35		15.8	550	1.34	2-8810-21
	2.2	3		27.7	787	2.69		23.1	740	2.67	2-8811-21
					787	1.83			740	1.82	3-8811-21
	3.7	5		46.6	787	1.09		38.8	740	1.08	5-8811-21
					909	1.64			855	1.63	5-8813-21
	5.5	7.5		69.3	909	1.10		57.8	855	1.09	8-8813-21
					1180	1.22			1110	1.21	8-8814-21
	7.5	10		94.5	1480	2.40		78.8	1390	2042	8-8816-21
					1480	1.76			1390	1.77	10-8816-21
	11	15		139	1480	1.20		116	1390	1.21	15-8816-21
					1740	1.68			1640	1.67	15-8817-21
	15	20		189	1740	1.23		158	1640	1.2	20-8817-21
					2340	1.79			2200	1.79	20-8818-21
	18.5	25		233	1740	1.00		194	1640	1.00	25-8817-21
					2340	1.45			2200	1.45	25-8818-21
	22	30		277	3270	1.95		231	3080	1.96	25-8819-21
2340			1.22		2200	1.22	30-8818-21				
30	40	378	3270	1.64	315	3080	1.64	30-8819-21			
			3270	1.20		3080	1.21	40-8819-21			
37	50	466	4160	1.54	388	3940	1.53	40-8820-21			
			5300	1.98		5010	1.98	40-8821-21			
45	60	567	3270	1.00	472	3080	1.00	50-8819-21			
			4160	1.25		3940	1.24	50-8820-21			
55	75	693	5300	1.93	578	5010	1.91	50-8821-21			
			5580	2.44		5280	2.43	50-8822-21			
			4160	1.03		3940	1.02	60-8820-21			
			5300	1.58		5010	1.58	60-8821-21			
			5580	2.00		5280	2.00	60-8821-21			
			5300	1.30		5010	1.29	75-8821-21			
			5580	1.64		5280	1.64	75-8822-21			

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model Motor(HP)-Frame-Ratio
	KW	HP	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	
25	0.2	1/4	60	3.00	180	1.25	72	2.50	180	1.25	02-8808-25
	0.4	1/2			340	3.75			340	3.75	02-8809-25
				6.00	340	1.88		5.00	340	1.88	05-8809-25
	0.75	1		11.3	340	1.00		9.38	340	1.00	1-8809-25
					550	1.92			550	1.96	1-8810-25
	1.5	2		22.5	835	2.13		18.8	785	2.13	2-8811-25
					835	1.45			785	1.45	3-8811-25
	2.2	3		33.0	835	1.52		27.5	785	1.52	3-8812-25
					965	2.31			909	2.31	3-8813-25
	3.7	5		55.5	965	1.37		46.2	909	1.37	5-8813-25
					1242	1.58			1170	1.57	5-8814-25
	5.5	7.5		82.5	1242	1.06		68.8	1170	1.06	8-8814-25
					1453	1.22			1370	1.26	8-8815-25
	7.5	10		113	1580	2.11		93.8	1470	2.11	8-8816-25
					1580	1.55			1470	1.55	10-8816-25
					1855	2.07			1740	2.08	10-8817-25

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model Motor(HP)-Frame-Ratio
	KW	HP	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	
25	11	15	60	165	1580	1.05	72	138	1470	1.05	15-8816-25
					1855	1.41			1740	1.42	15-8817-25
					2490	2.07			2330	2.07	15-8818-25
	15	20		225	1855	1.03		1740	1.04	20-8817-25	
					2490	1.52		2330	1.52	20-8818-25	
					3490	2.29		3260	2.28	20-8819-25	
	18.5	25	278	2490	1.23	2330	1.23	25-8818-25			
				3490	1.86	3260	1.85	25-8819-25			
	22	30	330	2490	1.04	2330	1.04	30-8818-25			
				3490	1.56	3260	1.55	30-8819-25			
	30	40	450	3490	1.15	375	3260	1.14	40-8819-25		

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model Motor(HP)-Frame-Ratio
	KW	HP	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	
29	0.2	1/4	52	3.48	180	1.20	62	2.90	180	1.20	02-8808-29
					340	3.35			340	3.40	02-8809-29
					6.96	1.68			5.80	1.70	05-8809-29
	0.4	1/2		13.0	550	1.84		10.9	1.84	1-8810-29	
					26.1	1.90		21.8	1.89	2-8811-29	
	2.2	3		38.3	876	1.30		31.9	824	1.29	3-8811-29
					1010	2.00			954	2.00	3-8813-29
	3.7	5		64.4	1010	1.19		53.6	954	1.19	5-8813-29
					1300	1.31			1230	1.31	5-8814-29
					1510	1.58			1430	1.59	5-8815-29
					1650	2.62			1550	2.62	5-8816-29
	5.5	7.5		95.7	1510	1.06		79.8	1430	1.07	8-8815-29
			1650		1.76	1550	1.76		8-8816-29		
	7.5	10	131	1650	1.29	109	1550	1.29	10-8816-29		
				1940	1.91		1830	1.91	10-8817-29		
	11	15	191	1940	1.30	160	1830	1.30	15-8817-29		
				2610	1.67		2458	1.66	15-8818-29		
	15	20	261	2610	1.23	218	2458	1.22	20-8818-29		
				3650	2.01		3430	2.00	20-8819-29		
				2610	1.00		2458	1.00	25-8818-29		
	18.5	25	322	3650	1.63	268	3430	1.62	25-8819-29		
				4580	2.11		4340	2.11	25-8820-29		
				3650	1.37		319	3430	1.36	30-8819-29	
	4580	1.78	4340	1.77	30-8820-29						
22	30	383	3650	1.00	435	3430	1.00	40-8819-29			
			4580	1.34		4340	1.30	40-8820-29			
			5860	1.59		5539	1.59	40-8821-29			
			6161	1.78		5820	1.78	40-8822-29			
37	50	644	4580	1.06	536	4340	1.05	50-8820-29			
			5860	1.29		5539	1.29	50-8821-29			
			6161	1.44		5820	1.44	50-8822-29			
45	60	783	5860	1.06	652	5539	1.06	60-8821-29			
			6161	1.19		5820	1.18	60-8822-29			
55	75	957	6161	1.00	798	5820	1.00	75-8822-29			

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model Motor(HP)-Frame-Ratio
	KW	HP	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	
35	0.2	1/4	43	4.20	180	1.20	51	3.5	180	1.20	02-8808-35
					340	2.90			340	2.90	02-8809-35
	0.4	1/2		8.40	340	1.45		7.00	340	1.45	05-8809-35
					550	2.55		550	2.58	05-8810-35	
	0.75	1		15.8	550	1.36		13.1	550	1.37	1-8810-35
					880	3.23			878	3.20	1-8811-35
	1.5	2		31.5	880	1.61		26.2	878	1.60	2-8811-35
					1080	2.43			1010	2.41	2-8813-35
	2.2	3		46.2	880	1.10		38.5	878	1.09	3-8811-35
					1080	1.65			1010	1.64	3-8813-35
	3.7	5		77.7	1080	1.00		64.8	1010	1.00	5-8813-35
					1370	1.25			1300	1.24	5-8814-35
					1590	1.31			1510	1.31	5-8815-35
					1750	2.34			1650	2.32	5-8816-35
	5.5	7.5		116	1750	1.57		96.2	1650	1.56	8-8816-35
					2077	2.27			1946	2.25	8-8817-35
7.5	10	158	1750	1.15	131	1650	1.15	10-8816-35			
			2077	1.67		1946	1.65	10-8817-35			
11	15	231	2077	1.14	193	1946	1.13	15-8817-35			
			2773	1.68		2619	1.67	15-8818-35			
15	20	315	2773	1.23	262	2619	1.23	20-8818-35			
			3880	1.58		3662	1.57	20-8819-35			
18.5	25	389	2773	1.00	324	2619	1.00	25-8818-35			
			3880	1.28		3662	1.27	25-8819-35			
22	30	462	3880	1.08	385	3662	1.07	30-8819-35			

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model Motor(HP)-Frame-Ratio
	KW	HP	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	
43	0.2	1/4	35	5.16	180	1.00	42	4.30	180	1.00	02-8808-43
					340	2.50			340	2.45	02-8809-43
	0.4	1/2		10.3	340	1.25		8.60	340	1.22	05-8809-43
					550	2.32			550	2.32	05-8810-43
	0.75	1		19.4	550	1.24		16.1	550	1.24	1-8810-43
					880	2.56			880	2.56	1-8811-43
	1.5	2		38.7	880	1.28		32.2	880	1.28	2-8811-43
					1150	1.97			1094	1.97	2-8813-43
	2.2	3		56.8	1150	1.34		47.3	1094	1.34	3-8813-43
					1460	1.44			1380	1.43	3-8814-43
	3.7	5		95.5	1600	1.75		79.6	1590	1.75	3-8815-43
					1880	1.83			1776	1.82	5-8816-43
	5.5	7.5		142	1880	1.23		118	1776	1.88	8-8816-43
					2220	1.69			2087	1.22	8-8817-43
	7.5	10		194	2220	1.24		161	2087	1.22	8-8817-43
					2983	2.00			2800	1.97	10-8818-43
11	15	284	2983	1.36	237	2800	1.34	15-8818-43			
			4150	1.86		3910	1.89	15-8819-43			
15	20	387	2985	1.00	323	2800	1.00	20-8818-43			
			4150	1.37		3910	1.39	20-8819-43			

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model Motor(HP)-Frame-Ratio
	KW	HP	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	
43	15	20	35	387	5150	1.82	42	323	4897	1.80	20-8820-43
	18.5	25			477	4150			1.11	398	3910
				5150		1.48		4897	1.46		25-8820-43
				6565	2.02	6220		2.00	25-8821-43		
				5150	1.24	4897		1.23	30-8820-43		
	22	30		568	6565	1.70		473	6220	1.69	30-8821-43
					6910	2.08			6562	2.08	30-8822-43
					6565	1.24			6220	1.24	40-8821-43
	30	40		774	6910	1.52		645	6562	1.52	40-8822-43
					6565	1.01			6220	1.00	50-8821-43
	37	50		955	6910	1.24		796	6562	1.24	50-8822-43
					1161	6910			1.02	968	6562

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model Motor(HP)-Frame-Ratio
	KW	HP	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	
51	0.2	1/4	29	6.12	340	1.80	35	5.10	340	1.80	02-8809-51
	0.4	1/2			12.2	550			1.68	10.2	550
	0.75	1		23.0	880	2.21		38.2	880	2.49	1-8811-51
					880	1.11			880	1.25	2-8811-51
	1.5	2		45.9	1220	1.67		56.1	1150	1.68	2-8813-51
					1220	1.14			1150	1.14	3-8813-51
					1500	1.35			1460	1.34	3-8814-51
					1600	1.51			1600	1.55	3-8815-51
	2.2	3		67.3	1990	2.59		94.4	1880	2.58	3-8816-51
					1990	1.54			1880	1.53	5-8816-51
					2340	2.25			2200	2.86	5-8817-51
					1990	1.04			1880	1.03	8-8816-51
	3.7	5		113	2340	1.52		140	2200	1.51	8-8817-51
					3150	2.07			2985	2.07	8-8818-51
					2340	1.11			2200	1.11	10-8817-51
	5.5	7.5		168	3150	1.52		191	2985	1.52	10-8818-51
					4400	2.39			4150	2.40	10-8819-51
					2340	1.04			2985	1.04	15-8818-51
	7.5	10		230	3150	1.63		280	4150	1.64	15-8819-51
					4400	1.19			383	4150	1.20
	11	15		337	4400	1.19		459	4400	1.19	

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model Motor(HP)-Frame-Ratio	
	KW	HP	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF		
59	0.2	1/4	25	7.08	340	1.65	31	5.90	340	1.65	02-8809-59	
	0.4	1/2			14.2	550			1.50	11.8	550	1.52
				880		3.42		880	3.45		05-8811-59	
	0.75	1		26.6	880	1.83		22.1	880	1.84	1-8811-59	
	1.5	2		53.1	1295	1.43		44.3	1220	1.44	2-8813-59	
					1500	1.87			1500	1.89	2-8813-59	
					1500	1.27			64.9	1500	1.29	3-8814-59
					1600	1.28				1600	1.32	3-8815-59

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model Motor(HP)-Frame-Ratio
	KW	HP	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	
59	2.2	3	25	77.9	2000	2.25	31	64.9	1985	2.23	3-8816-59
	3.7	5			131	2090			1.34	109	1985
				2490		1.97		2340	1.95		5-8817-59
	5.5	7.5		195	2490	1.32		162	2340	1.31	8-8817-59
					3330	1.79			3140	1.77	8-8818-59
	7.5	10		266	3300	1.31		221	3140	1.30	10-8818-59
					4660	2.07			4400	2.07	10-8819-59
	11	15		389	4660	1.41		325	4400	1.41	15-8819-59
					5700	1.74			5410	1.74	15-8820-59
	15	20		531	4660	1.03		443	4400	1.03	20-8819-59
					5700	1.27			5410	1.28	20-8820-59
	18.5	25		655	7265	1.85		546	4400	1.85	20-8821-59
5700			1.03		5410	1.04	25-8820-59				
22	30	779	7265	1.50	649	6890	1.50	25-8821-59			
			7640	1.80		7250	1.80	25-8822-59			
30	40	1062	7265	1.26	885	6890	1.26	30-8821-59			
			7640	1.52		7250	1.51	30-8822-59			

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model Motor(HP)-Frame-Ratio
	KW	HP	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	
71	0.2	1/4	21	8.52	340	1.30	25	7.10	340	1.30	02-8809-71
					550	2.45			550	2.45	02-8810-71
	0.4	1/2		17.0	550	1.22		14.2	550	1.22	05-8810-71
					880	2.45			880	2.45	05-8811-71
	0.75	1		32.0	880	1.31		26.6	880	1.31	1-8811-71
					1000	1.36			1000	1.35	1-8812-71
	1.5	2		63.9	1350	2.40		53.2	1295	2.43	1-8813-71
					1350	1.20			1295	1.21	2-8813-71
	2.2	3		93.7	1500	1.41		78.1	1500	1.40	2-8814-71
					1600	1.45			1600	1.45	2-8815-71
	3.7	5		158	2000	2.73		131	2000	2.73	2-8816-71
					1600	1.00			1600	1.00	3-8815-71
	5.5	7.5		234	2000	1.86		195	2000	1.86	3-8816-71
					2000	1.10			2000	1.11	5-8816-71
	7.5	10		320	2680	1.62		266	2490	1.62	5-8817-71
					2680	1.09			2460	1.09	8-8817-71
	11	15		469	3590	1.34		391	3330	1.33	8-8818-71
					5020	2.44			4660	2.44	8-8819-71
			3590	1.00		3330	1.00	10-8818-71			
			5020	1.79		4660	1.79	10-8819-71			
			5020	1.22		4660	1.22	10-8819-71			

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model Motor(HP)-Frame-Ratio
	KW	HP	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	
87	0.2	1/4	17	10.4	340	1.25	21	8.70	340	1.20	02-8809-87
					550	2.45			550	2.45	02-8810-87

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model Motor(HP)-Frame-Ratio
	KW	HP	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	
87	0.4	1/2	17	20.9	550	1.22	21	17.4	550	1.22	05-8810-87
					880	2.33			880	2.33	05-8811-87
	0.75	1		39.2	880	1.24		32.6	880	1.24	1-8811-87
					1364	1.95			1360	1.96	1-8813-87
	1.5	2		78.3	1500	1.30		65.2	1500	1.31	2-8814-87
					1600	1.31			1600	1.33	2-8815-87
					2050	2.23			2000	2.23	2-8816-87
	2.2	3		115	2050	1.52		95.7	2000	1.52	3-8816-87
					2900	2.20			2660	2.20	3-8817-87
	3.7	5		193	2900	1.31		161	2660	1.31	5-8817-87
					3760	2.03			3540	2.03	5-8818-87
	5.5	7.5		287	3760	1.34		239	3540	1.34	8-8818-87
					5260	2.13			4950	2.13	8-8819-87
	7.5	10		392	5260	1.56		326	4950	1.56	10-8819-87
					6600	1.83			6030	1.81	10-8820-87
	11	15		574	5260	1.06		478	4950	1.06	15-8819-87
6600			1.24		6030	1.24	15-8820-87				
8410			1.65		7680	1.66	15-8821-87				
8840			1.99		8090	1.99	15-8822-87				
15	20	783	8410	1.22	652	7680	1.21	20-8821-87			
			8840	1.46		8090	1.46	20-8822-87			
18.5	25	966	8840	1.18	805	8090	1.18	25-8822-87			

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model Motor(HP)-Frame-Ratio
	KW	HP	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	
119	0.2	1/4	13	14.6	550	1.25	15	12.2	550	1.20	02-8810-119



Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model Motor(HP)-Frame-Ratio
	KW	HP	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	
104 (13 x 8)	0.2	1/4	14	10.1	340	<1.0	17	9.48	340	1.05	02-8809/08-104
				11.4	550	1.80		9.48	550	1.91	02-8810/08-104
	0.4	1/2		20.5	550	<1.0		18.7	550	1.06	05-8810/08-104
				22.7	880	1.00		19.0	880	1.02	05-8811/08-104
	0.75	1		22.7	880	2.10		19.0	880	2.42	05-8811/09-104
				42.6	880	1.12		35.5	880	1.29	1-8811/09-104
	1.5	2		42.6	1365	1.80		35.5	1365	2.16	1-8813/10-104
				77.0	1365	<1.0		71.1	1365	1.08	2-8813/10-104
	2.2	3		85.3	2050	1.61		71.1	2050	2.25	2-8816/10-104
				77.0	1365	<1.0		77.0	1365	<1.0	3-8813/10-104
	3.7	5		103	1500	<1.0		102	1500	<1.0	3-8814/10-104
				125	2050	1.46		104	2050	1.74	3-8816/11-104
	5.5	7.5		183	2050	<1.0		175	2050	1.04	5-8816/11-104
				210	2900	1.32		175	2900	1.38	5-8817/11-104
	7.5	10		278	2900	<1.0		241	2900	<1.0	8-8817/11-104
				313	3800	1.25		260	3800	1.54	8-8818/13-104
				400	3800	<1.0		355	3800	1.13	10-8818/13-104
				426	5300	1.33		355	5300	1.41	10-8819/13-104

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model Motor(HP)-Frame-Ratio
	KW	HP	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	
121 (11 x 11)	0.2	1/4	12	10.1	340	<1.0	15	10.2	340	<1.0	02-8809/08-121
				13.2	550	1.55		11.0	550	1.90	02-8810/08-121
	0.4	1/2		20.5	550	<1.0		21.1	550	<1.0	05-8810/08-121
				26.4	880	1.00		22.0	880	1.00	05-8811/08-121
	0.75	1		26.4	880	1.90		22.0	880	2.12	05-8811/09-121
				49.6	880	1.01		41.3	880	1.13	1-8811/09-121
	1.5	2		49.6	1370	1.41		41.3	1365	1.63	1-8813/09-121
				77.0	1370	<1.0		77.0	1365	<1.0	2-8813/10-121
	2.2	3		96.0	1500	<1.0		82.7	1500	1.16	2-8814/10-121
				99.2	2100	1.71		82.7	2050	2.05	2-8816/10-121
	3.7	5		96.0	1500	<1.0		96.2	1500	<1.0	3-8814/10-121
				146	2100	1.26		121	2050	1.50	3-8816/11-121
	5.5	7.5		146	2950	1.75		121	2900	2.11	3-8817/11-121
				183	2100	<1.0		182	2050	<1.0	5-8816/11-121
	7.5	10		245	2950	1.04		204	2900	1.25	5-8817/11-121
				245	3800	1.37		204	3800	1.65	5-8818/13-121
	11	15		255	2950	<1.0		256	2900	<1.0	8-8817/11-121
				335	3950	<1.0		303	3800	1.11	8-8818/13-121
	15	20		364	5300	1.56		303	5300	1.75	8-8819/13-121
				496	5300	1.15		413	5300	1.28	10-8819/13-121
	18.5	25		496	7100	1.16		413	6650	1.32	10-8820/13-121
				496	8850	1.48		413	8470	1.72	10-8821/16-121
				728	8850	1.01		606	8470	1.17	15-8821/16-121
				728	10450	1.32		606	8910	1.47	15-8822/17-121
				960	10450	<1.0		827	8910	1.10	20-8822/17-121
				992	12500	1.15		827	11100	1.30	20-8823/16-121
				992	14100	1.43		827	12400	1.72	20-8824/18-121
				960	10450	<1.0		910	8930	<1.0	25-8822/17-121
				1120	12500	<1.0		1020	11150	1.09	25-8823/18-121
				1224	14100	1.15		1020	12450	1.38	25-8824/18-121
		1224	17105	1.47	1020	15100	1.48	25-8825/19-121			

▶ S.F 가 "1" 인 제품은 입력용량과 출력허용토크를 최대로 사용하지 말것.(Do not use Max, torque & input capacity at S.F (1))

Selection & Performance table – Double Reduction – 4P

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model Motor(HP)-Frame-Ratio
	KW	HP	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	
121 (11×11)	22	30	12	1120	12500	<1.0	15	1110	11150	<1.0	30-8823/18-121
				1410	14100	<1.0		1213	12450	1.16	30-8824/18-121
				1455	17105	1.24		1213	15100	1.50	30-8825/19-121
	30	40		1800	17105	1.0		1653	15100	1.10	40-8825/19-121
	1984			20900	1.21	1653		18450	1.43	40-8826/19-121	
	37			50	2400	20900		<1.0	2040	18450	1.16

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model Motor(HP)-Frame-Ratio
	KW	HP	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	
143 (13×11)	0.2	1/4	10	10.9	340	<1.0	13	11.2	340	<1.0	02-8809/08-143
				15.6	550	1.30		13.0	550	1.70	02-8810/08-143
	0.4	1/2		31.3	880	1.00		26.0	880	1.00	05-8811/08-143
				31.3	880	1.62		26.0	880	1.93	05-8811/09-143
	0.75	1		51.0	880	<1.0		48.8	880	1.03	1-8811/09-143
				58.6	1365	1.31		48.8	1365	1.57	1-8813/09-143
	1.5	2		77.0	1365	<1.0		77.0	1365	<1.0	2-8813/10-143
				103	1500	<1.0		97.7	1500	1.04	2-8814/10-143
				117	2050	1.56		97.7	2050	1.84	2-8816/10-143
				172	2050	1.06		143	2050	1.25	3-8816/10-143
	2.2	3		172	2050	1.06		143	2050	1.27	3-8816/11-143
				172	2900	1.62		143	2900	1.92	3-8817/11-143
				183	2050	<1.0		182	2050	<1.0	5-8816/11-143
	3.7	5		278	2900	<1.0		241	2900	1.14	5-8817/11-143
				289	3900	1.39		241	3800	1.66	5-8818/13-143
				401	3900	<1.0		358	3800	1.12	8-8818/13-143
	5.5	7.5		430	5300	1.42		358	5300	1.59	8-8819/13-143
				7.5	10	586		5300	1.04	488	5300

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model Motor(HP)-Frame-Ratio
	KW	HP	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	
165 (15×11)	0.2	1/4	9.1	13.0	340	<1.0	11	12.7	340	<1.0	02-8809/08-165
				18.0	550	1.45		15.0	550	1.70	02-8810/08-165
	0.4	1/2		26.0	550	<1.0		26.0	550	<1.0	05-8810/08-165
				36.1	880	1.00		30.1	880	1.00	05-8811/08-165
	0.75	1		36.1	880	1.40		30.1	880	1.70	05-8811/09-165
				51.0	880	<1.0		51.0	880	<1.0	1-8811/09-165
				67.6	1365	1.13		56.4	1365	1.36	1-8813/09-165
				67.6	1500	1.36		56.4	1500	1.61	1-8814/09-165
				77.0	1365	<1.0		77.0	1365	<1.0	2-8813/10-165
				103	1500	<1.0		103	1500	<1.0	2-8814/10-165
	1.5	2		135	2050	1.35		113	2050	1.61	2-8816/10-165
				183	2050	<1.0		165	2050	1.10	3-8816/10-165
	2.2	3		198	2900	1.16		165	2900	1.39	3-8817/10-165
				198	2900	1.40		165	2900	1.59	3-8817/11-165

▶ S.F 가 "1" 인 제품은 입력용량과 출력허용토크를 최대로 사용하지 말것.(Do not use Max, torque & input capacity at S.F (1))

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model Motor(HP)-Frame-Ratio
	KW	HP	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	
165 (15×11)	3.7	5	9.1	278	2900	<1.0	11	263	2900	<1.0	5-8817/11-165
				334	3900	1.23		278	3850	1.47	5-8818/13-165
				334	5300	1.83		278	5300	2.05	5-8819/13-165
	5.5	7.5		410	3900	<1.0		410	3850	<1.0	8-8818/13-165
				496	5300	1.23		413	5300	1.38	8-8819/13-165
				610	5300	<1.0		564	5300	1.01	10-8819/13-165
	7.5	10		677	7050	1.03		564	7050	1.19	10-8820/13-165
				677	8810	1.26		564	8780	1.32	10-8821/13-165
				855	8810	<1.0		827	8780	1.03	15-8821/16-165
	11	15		992	10400	1.11		827	9950	1.33	15-8822/17-165
				992	12900	1.41		827	12200	1.64	15-8823/16-165
				1100	10400	<1.0		1100	9950	<1.0	20-8822/17-165
	15	20		1353	12900	1.03		1127	12200	1.21	20-8823/16-165
				1353	14400	1.21		1127	13600	1.21	20-8824/16-165
				1400	12900	<1.0		1360	12200	<1.0	25-8823/18-165
	18.5	25		1669	14400	1.09		1390	13600	1.30	25-8824/18-165
				1669	17600	1.38		1390	16600	1.73	25-8825/19-165
				1400	12900	<1.0		1360	12200	<1.0	30-8823/18-165
	22	30		1810	14400	<1.0		1654	13600	1.10	30-8824/18-165
				1984	17600	1.16		1654	16600	1.45	30-8825/19-165
1984			21400	1.54	1654	20350	1.77	30-8826/19-165			
30	40	2300	17600	<1.0	2255	16600	1.07	40-8825/19-165			
		2706	21400	1.13	2255	20350	1.30	40-8826/19-165			
		3050	21400	<1.0	2781	20350	1.05	50-8826/19-165			

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model Motor(HP)-Frame-Ratio
	KW	HP	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	
195 (15×13)	0.2	1/4	7.7	21.3	550	1.20	9.2	17.8	550	1.45	02-8810/08-195
				21.3	880	2.00		17.8	880	2.00	02-8811/08-195
	0.4	1/2		26.0	550	<1.0		26.0	550	<1.0	05-8810/08-195
				42.6	880	1.00		35.5	880	1.00	05-8811/08-195
				42.6	880	1.20		35.5	880	1.42	05-8811/09-195
	0.75	1		42.6	1365	1.72		35.5	1365	2.18	05-8813/09-195
				51.0	880	<1.0		51.0	880	<1.0	1-8811/09-195
				77.0	1365	<1.0		66.6	1365	1.16	1-8813/09-195
	1.5	2		80.0	1500	1.29		66.6	1500	1.55	1-8814/10-195
				103	1500	<1.0		103	1500	<1.0	2-8814/10-195
				160	2050	1.15		133	2050	1.37	2-8816/10-195
	2.2	3		160	2900	1.61		133	2900	1.79	2-8817/10-195
				183	2050	<1.0		183	2050	<1.0	3-8816/10-195
				234	2900	1.10		195	2900	1.22	3-8817/10-195
	3.7	5		234	2900	1.19		195	2900	1.41	3-8817/11-195
				234	4000	1.75		195	3950	2.10	3-8818/13-195
				278	2900	<1.0		278	2900	<1.0	5-8817/11-195
	5.5	7.5		394	4000	1.04		329	3950	1.25	5-8818/13-195
				394	5400	1.29		329	5300	1.52	5-8819/11-195
				410	4000	<1.0		410	3800	<1.0	8-8818/13-195
5.5	7.5	586	5400	1.11	488	5300	1.25	8-8819/13-195			
		586	8000	1.18	488	7050	1.42	8-8820/13-195			
		586	8800	1.46	488	8800	1.72	8-8821/13-195			

▶ S.F 가 "1" 인 제품은 입력용량과 출력허용토크를 최대로 사용하지 말것.(Do not use Max, torque & input capacity at S.F (1))

Selection & Performance table – Double Reduction – 4P

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model Motor(HP)-Frame-Ratio
	KW	HP	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	
195 (15×13)	7.5	10	7.7	650	5400	<1.0	9.2	610	5300	<1.0	10-8819/13-195
				695	8000	<1.0		666	7050	1.04	10-8820/13-195
				800	8800	1.07		666	8800	1.26	10-8821/13-195
				800	10900	1.26		666	10300	1.30	10-8822/13-195
	11	15		855	8800	<1.0		850	8800	<1.0	15-8821/16-195
				1100	10900	<1.0		977	10300	1.14	15-8822/17-195
				1172	13800	1.19		977	12800	1.44	15-8823/16-195
				1172	15300	1.54		977	14300	1.58	15-8824/16-195
	15	20		1100	10900	<1.0		1120	10300	<1.0	20-8823/17-195
				1400	13800	<1.0		1332	12800	1.06	20-8823/16-195
				1599	15300	1.13		1332	14300	1.16	20-8824/16-195
				1599	19100	1.44		1332	17500	1.76	20-8825/17-195
	18.5	25		1810	15300	<1.0		1643	14300	1.16	25-8824/18-195
				1972	19100	1.17		1643	17500	1.32	25-8825/17-195
				1972	23200	1.55		1643	21300	1.85	25-8826/19-195
				1810	15300	<1.0		1810	14300	<1.0	30-8824/18-195
	22	30		2300	19100	<1.0		1954	17500	1.20	30-8825/17-195
				2345	23200	1.30		1954	21300	1.58	30-8826/19-195
				3050	23200	<1.0		2665	21300	1.16	40-8826/19-195

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model Motor(HP)-Frame-Ratio
	KW	HP	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	
231 (21×11)	0.2	1/4	6.5	25.2	550	1.01	7.8	21.5	550	1.20	02-8810/08-231
				26.0	880	1.96		21.6	880	1.89	02-8811/08-231
	0.4	1/2		52.1	880	1.01		43.1	880	1.02	05-8811/08-231
				52.5	1365	1.51		43.3	1365	1.81	05-8813/09-231
	0.75	1		51.0	880	<1.0		51.0	880	<1.0	1-8811/09-231
				77.0	1365	<1.0		77.0	1365	<1.0	1-8813/09-231
				94.7	1500	1.09		78.9	1500	1.29	1-8814/09-231
				94.7	2050	1.53		78.9	2050	1.77	1-8816/09-231
				183	2050	<1.0		158	2050	1.16	2-8816/10-231
				189	2900	1.47		158	2900	1.76	2-8817/10-231
	1.5	2		278	2900	1.00		232	2900	1.20	3-8817/10-231
				278	4000	1.13		232	4000	1.27	3-8818/10-231
				278	4000	1.48		232	4000	1.77	3-8818/13-231
	2.2	3		278	2900	<1.0		278	2900	<1.0	5-8817/11-231
				410	4000	<1.0		389	4000	1.05	5-8818/13-231
				467	5400	1.20		389	5400	1.35	5-8819/11-231
				467	5400	1.56		389	5400	1.84	5-8819/13-231
	5.5	7.5		694	5400	1.05		579	5400	1.23	8-8819/13-231
				694	8000	1.05		579	8000	1.26	8-8820/13-231
				694	8800	1.39		579	8800	1.66	8-8821/13-231
				730	7000	<1.0		735	8000	<1.0	10-8820/13-231
	7.5	10		947	8800	1.02		790	8800	1.22	10-8821/13-231
				947	11900	1.32		798	10900	1.32	10-8822/13-231
				965	8800	<1.0		968	8800	<1.0	15-8821/16-231
				1275	11900	<1.0		1158	10900	1.08	15-8822/17-231
	11	15		1389	14000	1.14		1158	13800	1.31	15-8823/16-231
				1389	16000	1.45		1158	15300	1.65	15-8824/16-231
				1590	14000	<1.0		1520	13800	<1.0	20-8823/16-231
				1894	16000	1.07		1578	15300	1.21	20-8824/16-231

▶ S.F 가 "1" 인 제품은 입력용량과 출력허용토크를 최대로 사용하지 말것.(Do not use Max, torque & input capacity at S.F (1))

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model Motor(HP)-Frame-Ratio
	KW	HP	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	
231 (21×11)	15	20	6.5	1894	19400	1.40	7.8	1578	19100	1.68	20-8825/17-231
				2050	16000	<1.0		1947	153000	1.03	25-8824/18-231
	18.5	25		2336	19400	1.14		1947	19100	1.36	25-8825/17-231
				2336	23700	1.48		1947	23200	1.70	25-8826/19+231
	22	30		2050	16000	<1.0		2000	15300	<1.0	30-8824/18-231
				2050	19400	<1.0		2315	19100	1.14	30-8825/17-231
	30	40		2778	23700	1.24		2315	23200	1.43	30-8826/19-231
				2650	19400	<1.0		2650	19100	<1.0	40-8825/19-231
	37	50		3460	23700	<1.0		3157	23200	1.05	40-8826/19-231
				3460	23700	<1.0		3304	23200	<1.0	50-8826/19-231

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model Motor(HP)-Frame-Ratio
	KW	HP	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	
273 (21×13)	0.2	1/4	5.5	26.0	550	<1.0	6.6	24.9	550	1.05	02-8810/08-273
				29.8	880	1.70		24.9	880	2.00	02-8811/08-273
	0.4	1/2		51.0	880	<1.0		49.7	880	1.00	05-8811/08-273
				60.0	1365	1.30		49.7	1365	1.55	05-8813/09-273
	0.75	1		77.0	1365	<1.0		77.0	1365	<1.0	1-8813/09-273
				103	1500	<1.0		93.3	1500	1.09	1-8814/10-273
	1.5	2		112	2050	1.64		93.3	2050	1.96	1-8816/10-273
				183	2050	<1.0		183	2050	<1.0	2-8816/10-273
	2.2	3		224	2900	1.24		186	2900	1.49	2-8817/10-273
				224	4000	1.80		186	4000	1.78	2-8818/10-273
	3.7	5		278	2900	<1.0		274	2900	1.02	3-8817/10-273
				338	4000	1.23		274	4000	1.21	3-8818/10-273
	5.5	7.5		338	4000	1.25		274	4000	1.50	3-8818/13-273
				410	4000	<1.0		410	4000	<1.0	5-8818/13-273
	7.5	10		552	5400	1.05		460	5400	1.17	5-8819/11-273
				552	5400	1.32		460	5400	1.59	5-8819/13-273
	11	15		730	5400	<1.0		684	5400	1.07	8-8819/13-273
				821	8800	1.18		684	8800	1.42	8-8821/13-273
	15	20		821	12000	1.55		684	11900	1.71	8-8822/13-273
				965	8800	<1.0		933	8800	1.04	10-8821/13-273
	18.5	25		1119	12000	1.14		933	11900	1.36	10-8822/17-237
				1119	15000	1.44		933	14000	1.69	10-8823/16-273
	22	30		1275	12000	<1.0		1268	11900	<1.0	15-8822/17-273
				1620	15000	<1.0		1368	14000	1.15	15-8823/16-273
	30	40		1642	16700	1.24		1368	16000	1.47	15-8824/16-273
				2050	16700	<1.0		1865	16000	1.08	20-8824/16-273
	30	40		2239	20400	1.19		1965	19400	1.42	20-8825/17-273
				2239	24900	1.56		1965	23700	1.86	20-8826/19-273
	30	40		2650	20400	<1.0		2325	19400	1.15	25-8825/17-273
				2761	24900	1.26		2330	23700	1.51	25-8826/19-273
	30	40		2650	20400	<1.0		2650	19400	<1.0	30-8825/17-273
				3283	24900	1.06		2736	23700	1.27	30-8826/19-273
	30	40		3500	24900	<1.0		3470	23700	<1.0	40-8826/19-273

▶ S.F 가 "1" 인 제품은 입력용량과 출력허용토크를 최대로 사용하지 말것.(Do not use Max, torque & input capacity at S.F (1))

Selection & Performance table – Double Reduction – 4P

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model Motor(HP)-Frame-Ratio
	KW	HP	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	
319 (29×11)	0.2	1/4	4.7	26.0	550	<1.0	5.6	26.0	550	<1.0	02-8810/08-319
				34.9	880	1.45		29.1	880	1.75	02-8811/08-319
	0.4	1/2		51.0	880	<1.0		51.0	880	<1.0	05-8811/08-319
				69.8	1365	1.10		58.1	1365	1.32	05-8813/09-319
	0.75	1		69.8	1500	1.48		58.1	1500	1.78	05-8814/09-319
				77.0	1365	<1.0		77.0	1365	<1.0	1-8813/09-319
				103	1500	<1.0		103	1500	<1.0	1-8814/09-319
	1.5	2		131	2050	1.40		109	2050	1.65	1-8816/09-319
				183	2050	<1.0		183	2050	<1.0	2-8816/10-319
				262	2900	1.06		218	2900	1.23	2-8817/10-319
				262	4000	1.57		218	4000	1.75	2-8818/10-319
	2.2	3		278	2900	<1.0		269	2900	<1.0	3-8817/10-319
				278	2900	<1.0		278	2900	<1.0	3-8817/11-319
				384	4000	1.07		320	4000	1.20	3-8818/10-319
				384	4000	1.07		320	4000	1.28	3-8818/13-319
				384	5400	1.62		320	5400	1.69	3-8819/11-319
				410	4000	<1.0		410	4000	<1.0	5-8818/13-319
	3.7	5		645	5400	1.13		538	5400	1.31	5-8819/13-319
				645	8800	1.49		538	8800	1.79	5-8821/13-319
				730	5400	<1.0		703	5400	<1.0	8-8819/13-319
	5.5	7.5		959	8800	1.04		799	8800	1.21	8-8821/13-319
				959	12300	1.33		799	12000	1.55	8-8822/13-319
				965	8800	<1.0		965	8800	<1.0	10-8821/13-319
	7.5	10		1275	12300	<1.0		1090	12000	1.13	10-8822/13-319
				1308	15400	1.20		1090	1000	1.39	10-8823/16-319
				1275	12300	<1.0		1238	12000	<1.0	15-8822/17-319
	11	15		1570	15400	<1.0		1511	15000	<1.0	15-8823/16-319
				1918	17000	1.05		1600	16700	1.19	15-8824/16-319
				1918	21000	1.38		1600	20400	1.65	15-8825/17-319
				2030	17000	<1.0		1970	16700	<1.0	20-8824/18-319
				2616	21000	1.01		2200	20400	1.21	20-8825/17-319
	15	20		2616	25700	1.34		2200	24900	1.53	20-8826/19-319
				2650	21000	<1.0		2650	20300	<1.0	25-8825/17-319
				3226	25700	1.09		2688	24900	1.24	25-8826/19-319
	18.5	25		3226	20000	1.83		2688	20000	2.05	25-8827/19-319
				3500	25700	<1.0		3197	24900	1.04	30-8826/19-319
	22	30		3836	20000	1.54		3197	20000	1.72	30-8827/19-319
5300			20000	1.13	4360	20000	1.26	40-8827/19-319			
37	50	5900	20000	<1.0	5377	20000	1.02	50-8827/19-319			

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model Motor(HP)-Frame-Ratio
	KW	HP	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	
377 (29×13)	0.2	1/4	4.0	26.0	550	<1.0	4.8	25.8	550	<1.0	02-8810/08-377
				41.2	880	1.25		35.0	880	1.50	02-8811/08-377
	0.4	1/2		51.0	880	<1.0		51.5	880	<1.0	05-8811/08-377
				77.0	1365	<1.0		69.1	1365	1.12	05-8813/09-377
	0.75	1		82.4	1500	1.25		69.5	1500	1.50	05-8814/09-377
				77.0	1365	<1.0		77.5	1365	<1.0	1-8813/09-377
				103	1500	<1.0		104	1500	<1.0	1-8814/09-377
				154	2050	1.19		135	2050	1.41	1-8816/09-377
				154	2900	1.80		135	2900	2.16	1-8817/10-377

▶ S.F 가 "1" 인 제품은 입력용량과 출력허용토크를 최대로 사용하지 말것.(Do not use Max, torque & input capacity at S.F (1))

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model Motor(HP)-Frame-Ratio
	KW	HP	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	
377 (29×13)	1.5	2	4.0	183	2050	<1.0	4.8	183	2050	<1.0	2-8816/10-377
				278	2900	<1.0		265	2900	1.08	2-8817/10-377
				309	4000	1.33		265	4000	1.59	2-8818/10-377
	2.2	3		410	4000	<1.0		385	4000	1.07	3-8818/10-377
				453	5400	1.61		385	5400	1.93	3-8819/13-377
				730	5400	<1.0		645	5400	1.15	5-8819/13-377
	3.7	5		762	8800	1.26		645	8800	1.53	5-8821/13-377
				730	5400	<1.0		735	5400	<1.0	8-8819/13-377
				965	8800	<1.0		960	8800	1.03	8-8821/13-377
	5.5	7.5		1134	13200	1.12		960	12300	1.32	8-8822/17-377
				1134	16300	1.43		965	15400	1.65	8-8823/16-377
				1275	13200	<1.0		1290	12300	<1.0	10-8822/17-377
				1546	16300	1.05		1300	15400	1.21	10-8823/16-377
	7.5	10		1546	18500	1.33		1300	17000	1.55	10-8824/16/377
				1620	16300	<1.0		1600	15400	<1.0	15-8823/16-377
				2050	18500	<1.0		1920	17000	1.05	15-8824/16-377
	11	15		2267	22000	1.16		1920	21000	1.40	15-8825/17-377
				2267	27300	1.54		1920	25700	1.85	15/8826/19-377
				2650	22000	<1.0		2595	21000	1.03	20-8825/17-377
	15	20		3091	27300	1.13		2605	25700	1.36	20-8826/19-377
				3091	20000	1.99		2605	20000	2.25	20-8827/19-377
				3500	27300	<1.0		3210	25700	1.10	25-8826/19-377
	18.5	25		3813	20000	1.61		3215	20000	1.83	25-8827/19-377
				3500	27300	<1.0		3520	25700	<1.0	30-8826/19-377
22	30	4534	20000	1.35	3830	20000	1.54	30-8827/19-377			
		6150	20000	<1.0	5220	20000	1.13	40-8827/19-377			

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model Motor(HP)-Frame-Ratio
	KW	HP	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	
473 (43×11)	0.2	1/4	3.2	51.7	880	1.00	3.8	43.1	880	1.20	02-8811/08-473
				51.7	1350	1.50		43.1	1365	1.80	02-8813/08-473
	0.4	1/2		51.0	880	<1.0		51.0	880	<1.0	05-8811/08-473
				77.0	1365	<1.0		77.0	1365	<1.0	05-8813/08-473
				103	1500	1.00		86.2	1500	1.20	05-8814/09-473
	0.75	1		103	2050	1.78		86.2	2050	2.12	05-8816/09-473
				103	1500	<1.0		103	1500	<1.0	1-8814/09-473
				183	2050	<1.0		162	2050	1.13	1-8816/19-473
				194	2900	1.44		162	2900	1.59	1-8817/09-473
	1.5	2		278	2900	<1.0		277	2900	<1.0	2-8817/10-473
				388	4000	1.05		323	4000	1.27	2-8818/10-473
				388	5400	1.52		323	5400	1.92	2-8819/11-473
	2.2	3		410	4000	<1.0		410	4000	<1.0	3-8818/10-473
				569	5400	1.04		474	5400	1.31	3-8819/11-473
				569	5400	1.28		474	5400	1.54	3-8819/13-473
	3.7	5		730	5400	<1.0		730	5400	<1.0	5-8819/13-473
				855	8000	<1.0		797	8000	1.07	5-8820/13-473
				957	8800	1.18		797	8800	1.42	5-8821/13-473
957			14300	1.50	797	13200	1.79	5-8822/13-473			

▶ S.F 가 "1" 인 제품은 입력용량과 출력허용토크를 최대로 사용하지 말것.(Do not use Max, torque & input capacity at S.F (1))

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model Motor(HP)-Frame-Ratio	
	KW	HP	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF		
473 (43×11)	5.5	7.5	3.2	855	8000	<1.0	3.8	851	8000	<1.0	8-8820/13-473	
				1130	8800	<1.0		1130	8800	<1.0	8-8821/13-473	
				1422	14300	1.01		1185	13200	1.20	8-8822/13-473	
				1422	18000	1.28		1185	16300	1.48	8-8823/16-473	
	7.5	10		1440	14300	<1.0		1429	13200	<1.0	10-8822/13-473	
				1825	18000	<1.0		1616	16300	1.09	10-8823/16-473	
				1939	19500	1.21		1616	18500	1.43	10-8824/16-473	
				1939	24000	1.57		1616	22000	1.89	10-8825/17-473	
	11	15		2350	19500	<1.0		2310	18500	<1.0	15-8824/16-473	
				2844	24000	1.07		2370	22000	1.29	15-8824/17-473	
				2844	27800	1.45		2370	27300	1.69	15-8826/19-473	
				3050	24000	<1.0		3050	22000	<1.0	20-8825/17-473	
	15	20		3879	27800	1.07		3232	27300	1.23	20-8826/19-473	
				3879	20000	1.59		3232	20000	1.78	20-8827/19-473	
				4140	27800	<1.0		3986	27300	1.00	25-8826/19-473	
				4784	20000	1.29		3986	20000	1.44	25-8827/19-473	
	18.5	25		5689	20000	1.08		4740	20000	1.21	30-8827/19-473	
				6150	20000	<1.0		5753	20000	<1.0	40-8827/19-473	
	22	30										
	30	40										

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model Motor(HP)-Frame-Ratio
	KW	HP	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	
559 (43×13)	0.2	1/4	2.7	51.0	880	<1.0	3.2	50.9	880	1.00	02-8811/08-559
				61.1	1365	1.25		50.9	1365	1.50	02-8813/08-559
				77.0	1365	<1.0		77.0	1365	<1.0	05-8813/08-559
	0.4	1/2		103	1500	<1.0		102	1500	1.00	05-8814/08-559
				122	2050	1.50		102	2050	1.80	05-8816/09-559
				183	2050	<1.0		183	2050	<1.0	1-8816/09-559
	0.75	1		229	2900	1.21		191	2900	1.41	1-8817/09-559
				229	4000	1.79		191	4000	2.15	1-8818/10-559
				278	2900	<1.0		277	2900	<1.0	2-8817/10-559
	1.5	2		410	4000	<1.0		382	4000	1.07	2-8818/10-559
				458	5400	1.33		382	5400	1.56	2-8819/11-559
				610	5400	<1.0		560	5400	1.06	3-8819/11-559
	2.2	3		672	5400	1.09		560	5400	1.30	3-8819/13-559
				672	8000	1.27		560	8000	1.50	3-8820/13-559
				730	5400	<1.0		730	5400	<1.0	5-8819/13-559
	3.7	5		855	8000	<1.0		240	8800	<1.0	5-8820/13-559
				1131	8800	1.00		942	8800	1.20	5-8821/13-559
				1131	14300	1.27		942	14300	1.52	5-8822/13-559
	5.5	7.5		1440	14300	<1.0		1401	14300	1.02	8-8822/13-559
				1681	18000	1.08		1401	18000	1.30	8-8823/16-559
				1681	19500	1.40		1401	19500	1.69	8-8824/16-559
	7.5	10		1825	18000	<1.0		1820	18000	<1.0	10-8823/16-559
				2292	19500	1.2		1910	19500	1.24	10-8824/16-559
				2292	24000	1.33		1910	24000	1.59	10-8825/17-559
	11	15		3050	24000	<1.0		2801	24000	1.08	15-8825/17-559
				3361	27800	1.23		2801	27800	1.46	15-8826/19-559
				3361	20000	1.83		2801	20000	2.18	15-8827/19-559
	15	20		4140	27800	<1.0		3820	27800	1.07	20-8826/19-559
				4584	20000	1.34		3820	20000	1.60	20-8827/19-559
				5653	20000	1.09		4711	20000	1.30	25-8827/19-559
22	30	6150	20000	<1.0	5602	20000	1.09	30-8827/19-559			

▶ S.F 가 "(1)" 인 제품은 입력용량과 출력허용토크를 최대로 사용하지 말것.(Do not use Max, torque & input capacity at S.F (1))

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model Motor(HP)-Frame-Ratio
	KW	HP	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	
649 (59×11)	0.2	1/4	2.3	51.0	880	<1.0	2.8	51.0	880	<1.0	02-8811/08-649
				59.1	1365	1.10		59.1	1365	1.30	02-8813/08-649
				59.1	1500	1.45		59.1	1500	1.75	02-8814/08-649
	0.4	1/2		77.0	1365	<1.0		77.0	1365	<1.0	05-8813/08-649
				103	1500	<1.0		103	1500	<1.0	05-8814/08-649
				142	2050	1.30		118	2050	1.55	05-8816/09-649
	0.75	1		183	2050	<1.0		183	2050	<1.0	1-8816/09-649
				266	2900	1.04		222	2900	1.20	1-8817/09-649
				266	4000	1.55		222	4000	1.84	1-8818/09-649
	1.5	2		278	2900	<1.0		276	2900	<1.0	2-8817/10-649
				410	4000	<1.0		408	4000	<1.0	2-8818/10-649
				532	5400	1.19		443	5400	1.37	2-8819/11-649
	2.2	3		630	5400	<1.0		610	5400	<1.0	3-8819/11-649
				780	8000	1.10		650	8000	1.29	3-8820/13-649
				780	8800	1.44		650	8800	1.74	3-8821/13-649
	3.7	5		630	5400	<1.0		610	5400	<1.0	5-8819/11-649
				855	8000	<1.0		840	8000	<1.0	5-8820/13-649
				1130	8800	<1.0		1094	8800	1.04	5-8821/13-649
	5.5	7.5		1313	14700	1.10		1094	14300	1.31	5-8822/13-649
				1313	18000	1.39		1094	18000	1.62	5-8823/16-649
				1440	14700	<1.0		1430	14300	<1.0	8-8822/13-649
	7.5	10		1825	18000	<1.0		1626	18000	1.09	8-8823/16-649
				1951	21000	1.20		1626	19500	1.41	8-8824/16-649
				1951	26000	1.56		1626	24000	1.87	8-8825/17-649
	11	15		2350	21000	<1.0		2217	19500	1.04	10-8824/16-649
				2661	26000	1.15		2217	24000	1.37	10-8825/17-649
				2661	27800	1.56		2217	27800	1.80	10-8826/19-649
	15	20		3050	26000	<1.0		3050	24000	<1.0	15-8825/17-649
				3903	27800	1.06		3252	27800	1.23	15-8826/19-649
				3903	20000	1.57		3252	20000	1.83	15-8827/19-649
18.5	25	4140	27800	<1.0	4000	27800	<1.0	20-8826/19-649			
		5322	20000	1.15	4435	20000	1.34	20-8827/19-649			
		6150	20000	<1.0	5470	20000	1.09	25-8827/19-649			
22	30	6150	20000	<1.0	5950	20000	<1.0	30-8827/19-649			

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model Motor(HP)-Frame-Ratio
	KW	HP	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	
731 (43×17)	0.2	1/4	2.1	51.0	880	<1.0	2.5	51.0	880	<1.0	02-8811/08-731
				79.9	1365	1.00		66.6	1365	1.15	02-8813/08-731
				79.9	1500	1.30		66.6	1500	1.55	02-8814/08-731
	0.4	1/2		77.0	1365	<1.0		77.1	1365	<1.0	05-8813/08-731
				103	1500	<1.0		102	1500	<1.0	05-8814/08-731
				160	2050	1.15		133	2050	1.38	05-8816/09-731
	0.75	1		160	2900	1.75		133	2900	2.08	05-8817/09-731
				183	2050	<1.0		183	2050	<1.0	1-8816/09-731
				278	2900	<1.0		250	2900	1.11	1-8817/09-731
	1.5	2		300	4000	1.36		250	4000	1.64	1-8818/10-731
				410	4000	<1.0		410	4000	<1.0	2-8818/10-731
				599	5400	1.13		500	5400	1.26	2-8819/11-731
	2.2	3		599	8000	1.47		500	8000	1.68	2-8820/13-731
				680	5400	<1.0		631	5400	<1.0	3-8819/11-731
				879	8800	1.29		733	8800	1.54	3-8821/13-731

▶ S.F 가 "1" 인 제품은 입력용량과 출력허용토크를 최대로 사용하지 말것.(Do not use Max, torque & input capacity at S.F (1))

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model Motor(HP)-Frame-Ratio
	KW	HP	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	
731 (43×17)	3.7	5	2.1	855	8000	<1.0	2.5	840	8000	<1.0	5-8820/13-731
				1130	8800	<1.0		1136	8800	<1.0	5-8821/13-731
				1440	14700	<1.0		1232	14500	1.17	5-8822/13-731
				1478	18000	1.24		1232	18000	1.48	5-8823/16-731
	5.5	7.5		1440	14700	<1.0		1440	14500	<1.0	8-8822/13-731
				1825	18000	<1.0		1832	18000	1.00	8-8823/16-731
				2198	21000	1.07		1832	20200	1.29	8-8824/16-731
				2198	26000	1.39		2368	18200	1.66	8-8825/17-731
	7.5	10		2350	21000	<1.0		2498	20200	<1.0	10-8824/16-731
				2997	26000	1.02		2498	25000	1.22	10-8825/17-731
				2997	27800	1.39		2498	27800	1.64	10-8826/19-731
				3050	26000	<1.0		3050	26000	<1.0	15-8825/17-731
	11	15		4140	27800	<1.0		3663	27800	1.12	15-8826/19-731
				4396	20000	1.40		3663	20000	1.67	15-8827/19-731
				4140	27800	<1.0		4100	27800	<1.0	20-8826/19-731
	15	20		5994	20000	1.03		4995	20000	1.23	20-8827/19-731
				6150	20000	<1.0		6161	20000	1.00	25-8827/19-731
	18.5	25		6150	20000	<1.0		6140	20000	<1.0	30-8827/19-731
	22	30		6150	20000	<1.0		6140	20000	<1.0	30-8827/19-731

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model Motor(HP)-Frame-Ratio
	KW	HP	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	
841 (29×29)	0.2	1/4	1.8	51.0	880	<1.0	2.1	51.0	880	<1.0	02-8811/08-841
				91.9	1350	1.00		76.6	1365	1.00	02-8813/08-841
				91.9	1500	1.10		76.6	1500	1.25	02-8814/09-841
				91.9	2050	2.00		76.6	2050	2.40	02-8816/09-841
	0.4	1/2		103	1500	<1.0		103	1500	<1.0	05-8814/19-841
				184	2050	1.00		153	2050	1.20	05-8816/09-841
				184	2900	1.50		153	2900	1.72	05-8817/09-841
				183	2050	<1.0		183	2050	<1.0	1-8816/09-841
	0.75	1		278	2900	<1.0		277	2900	<1.0	1-8817/10-841
				345	4000	1.19		287	4000	1.43	1-8818/10-841
				345	5400	2.12		287	5400	2.52	1-8819/11-841
				410	4000	<1.0		410	4000	<1.0	2-8818/10-841
	1.5	2		695	5400	1.06		575	5400	1.26	2-8819/11-841
				690	8800	1.47		575	8800	1.67	2-8821/13-841
				730	5400	<1.0		725	5400	<1.0	3-8819/11-841
				1011	8800	1.00		843	8800	1.14	3-8821/13-841
	2.2	3		1011	14700	1.24		843	14700	1.60	3-8822/13-841
				1250	14700	<1.0		1345	14700	<1.0	5-8822/13-841
				1640	18000	<1.0		1418	18000	1.14	5-8823/16-841
				1701	21000	1.20		1418	21000	1.48	5-8824/16-841
	3.7	5		1701	26000	1.58		1418	26000	1.90	5-8825/17-841
				1640	18000	<1.0		1624	18000	<1.0	8-8823/16-841
				2050	21000	<1.0		2100	21000	<1.0	8-8824/16-841
				2529	26000	1.06		2135	26000	1.28	8-8825/17-841
	5.5	7.5		2529	27800	1.40		2135	27800	1.71	8-8826/19-841
				2695	26000	<1.0		2690	26000	<1.0	10-8825/17-841
				3448	27800	1.03		2873	27800	1.25	10-8826/19-841
				3448	22000	1.79		2873	22000	2.13	10-8827/19-841
	7.5	10		3540	27800	<1.0		3600	27800	<1.0	15-8826/19-841
				5057	20000	1.22		4214	20000	1.45	15-8827/19-841

▶ S.F 가 "1" 인 제품은 입력용량과 출력허용토크를 최대로 사용하지 말것.(Do not use Max, torque & input capacity at S.F (1))

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model Motor(HP)-Frame-Ratio
	KW	HP	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	
841 (29×29)	15	20	1.8	6150	20000	<1.0	2.1	5747	20000	1.07	20-8827/19-841
	18.5	25		6150	20000	<1.0		6150	20000	<1.0	25-8827/19-841
	22	30		6150	20000	<1.0		6150	20000	<1.0	30-8827/19-841

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model Motor(HP)-Frame-Ratio
	KW	HP	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	
1003 (59×17)	0.2	1/4	1.5	51.0	880	<1.0	1.8	51.0	880	<1.0	02-8811/08-1003
				77.0	1365	<1.0		77.0	1365	<1.0	02-8813/08-1003
				103	1500	<1.0		91.4	1500	1.10	02-8814/08-1003
				110	2050	1.67		91.4	2050	1.67	02-8816/09-1003
	0.4	1/2		103	1500	<1.0		103	1500	<1.0	05-8814/08-1003
				183	2050	<1.0		183	2050	<1.0	05-8816/09-1003
				219	2900	1.28		183	2900	1.52	05-8817/09-1003
				278	2900	<1.0		278	2900	<1.0	1-8817/09-1003
	0.75	1		411	4000	1.00		343	4000	1.20	1-8818/10-1003
				411	5400	1.75		343	5400	1.91	1-8819/11-1003
				410	4000	<1.0		410	4000	<1.0	2-8818/10-1003
				720	5400	<1.0		653	5400	<1.0	2-8819/11-1003
	1.5	2		822	8000	1.02		685	8000	1.22	2-8820/13-1003
				822	8800	1.37		685	8800	1.66	2-8821/13-1003
				720	5400	<1.0		653	5400	<1.0	3-8819/11-1003
				840	8000	<1.0		840	8000	<1.0	3-8820/13-1003
	2.2	3		1130	8800	<1.0		1005	8800	1.13	3-8821/13-1003
				1206	14700	1.20		1005	14700	1.43	3-8822/13-1003
				1206	18000	1.51		1005	18000	1.81	3-8823/16-1003
				1440	14700	<1.0		1440	14700	<1.0	5-8822/13-1003
	3.7	5		1825	18000	<1.0		1691	18000	1.08	5-8823/16-1003
				2029	21000	1.16		1691	21000	1.39	5-8824/16-1003
				2029	26000	1.50		1691	26000	1.80	5-8825/17-1003
				2350	21000	<1.0		2350	21000	<1.0	8-8824/16-1003
	5.5	7.5		3016	26000	1.01		2513	26000	1.21	8-8825/17-1003
				3016	27800	1.37		2513	27800	1.63	8-8826/19-1003
				3050	26000	<1.0		3050	26000	<1.0	10-8825/17-1003
				4112	27800	1.01		3427	27800	1.20	10-8826/19-1003
	7.5	10		4112	2000	1.49		3427	20000	1.79	10-8827/19-1003
				4140	27800	<1.0		4100	27800	1.0	15-8826/19-1003
				6031	20000	1.02		5026	20000	1.22	15-8827/19-1003
				6150	20000	<1.0		6140	20000	<1.0	20-8827/19-1003

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model Motor(HP)-Frame-Ratio
	KW	HP	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	
1247 (43×29)	0.2	1/4	1.2	77.0	1365	<1.0	1.4	77.0	1365	<1.0	02-8813/08-1247
				103	1500	<1.0		103	1500	<1.0	02-8814/08-1247
				136	2050	1.34		114	2050	1.61	02-8816/09-1247
	183	2050		<1.0	183	2050		<1.0	05-8816/09-1247		
	0.4	1/2		278	2900	<1.0		227	2900	1.22	05-8817/19-1247
				273	4000	1.50		227	4000	1.80	05-8818/10-1247

▶ S.F 가 "1" 인 제품은 입력용량과 출력하중토크를 최대로 사용하지 말것.(Do not use Max, torque & input capacity at S.F (1))

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model Motor(HP)-Frame-Ratio		
	KW	HP	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF			
1247 (43×29)	0.75	1	1.2	278	2900	<1.0	1.4	278	2900	<1.0	1-8817/09-1247		
				410	4000	<1.0		410	4000	<1.0	1-8818/10-1247		
				511	5400	1.43		426	5400	1.71	1-8819/11-1247		
	1.5	2		730	5400	<1.0		730	5400	<1.0	2-8819/11-1247		
				840	800	<1.0		810	5400	<1.0	2-8820/11-1247		
				1022	8800	1.10		852	8000	1.34	2-8821/13-1247		
				1022	14700	1.39		852	14700	1.69	2-8822/13-1247		
				2.2	3	1130		8800	<1.0	1140	8800	<1.0	3-8821/13-1247
						1420		14700	<1.0	1250	14700	1.15	3-8822/13-1247
	1500	18000				1.22		1250	18000	1.45	3-8823/16-1247		
	1500	21000				1.57		1250	21000	1.88	3-8824/16-1247		
	1420	14700				<1.0		1440	14700	<1.0	5-8822/13-1247		
	1825	18000				<1.0		1820	18000	<1.0	5-8823/16-1247		
	3.7	5		2350	21000	<1.0		2102	21000	1.12	5-8824/16-1247		
				2522	26000	1.21		2102	26000	1.45	5-8825/17-1247		
				2350	21000	<1.0		2350	21000	<1.0	8-8824/17-1247		
				3050	26000	<1.0		3050	26000	<1.0	8-8825/17-1247		
				3124	27800	1.10		3124	27800	1.31	8-8826/19-1247		
				3124	20000	1.64		3124	20000	1.97	8-8827/19-1247		
	7.5	10		4140	27800	<1.0		4100	27800	<1.0	10-8826/19-1247		
				5113	20000	1.20		4260	20000	1.44	10-8827/19-1247		
				6150	20000	<1.0		6150	20000	<1.0	15-8827/19-1247		
	15	20		6150	20000	<1.0		6150	20000	<1.0	20-8827/19-1247		

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model Motor(HP)-Frame-Ratio
	KW	HP	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	
1479 (87×17)	0.2	1/4	1.0	77.0	1365	<1.0	1.2	77.0	1365	<1.0	02-8813/08-1479
				103	1500	<1.0		103	1500	<1.0	02-8814/08-1479
				162	2050	1.13		135	2050	1.36	02-8816/09-1497
				162	2900	1.72		135	2900	2.05	02-8817/09-1479
	0.4	1/2		183	2050	<1.0		183	2050	<1.0	05-8816/09-1479
				278	2900	<1.0		270	2900	1.02	05-8817/09-1479
				323	4000	1.27		270	4000	1.88	05-8818/10-0179
				410	4000	<1.0		410	4000	<1.0	1-8818/10-1479
	0.75	1		606	5400	1.20		505	5400	1.44	1-8819/11-1479
				730	5400	<1.0		730	5400	<1.0	2-8819/11-1479
				1130	8800	<1.0		950	8800	<1.0	2-8821/13-1479
				1213	14700	1.17		1011	14700	1.27	2-8822/13-1479
	2.2	3		1420	14700	<1.0		1280	14700	<1.0	3-8822/13-1479
				1640	18000	<1.0		1482	18000	1.09	3-8823/16-1479
				1779	21000	1.16		1482	21000	1.38	3-8824/16-1479
				1640	18000	<1.0		1620	18000	<1.0	5-8823/16-1479
				2070	21000	<1.0		2050	21000	<1.0	5-8824/16-1479
				2695	26000	<1.0		2493	26000	1.10	5-8825/17-1479
	5.5	7.5		2695	26000	<1.0		2750	26000	<1.0	8-8825/17-1479
				3650	27800	<1.0		3692	27800	<1.0	8-8826/19-1479
				4447	20000	1.38		3706	20000	1.66	8-8827/19-1479
				6064	20000	1.01		5053	20000	1.22	10-8827/19-1479
	11	15		6150	20000	<1.0		6150	20000	<1.0	15-8827/19-1479

▶ S.F 가 "1" 인 제품은 입력용량과 출력허용토크를 최대로 사용하지 말것(Do not use Max, torque & input capacity at S.F (1))

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model Motor(HP)-Frame-Ratio
	KW	HP	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	
1849 (43 × 43)	0.2	1/4	0.81	77.0	1365	<1.0	0.97	77.0	1365	<1.0	02-8813/08-1849
				103	1500	<1.0		103	1500	<1.0	02-8814/08-1849
				202	2900	1.38		168	2900	1.65	02-8817/09-1849
	0.4	1/2		183	2050	<1.0		183	2050	<1.0	05-8816/09-1849
				278	2900	<1.0		278	2900	<1.0	05-8817/09-1849
				404	4000	1.01		337	4000	1.22	05-8818/10-1849
				410	4000	<1.0		410	4000	<1.0	1-8818/10-1849
	0.75	1		730	5400	<1.0		632	5400	1.16	1-8819/11-1849
				758	8000	1.07		632	8000	1.28	1-8820/11-1849
				810	8000	<1.0		810	8000	<1.0	2-8820/11-1849
	1.5	2		1140	8800	<1.0		1140	8800	<1.0	2-8821/13-1849
				1440	14700	<1.0		1263	14700	1.14	2-8822/13-1849
				1440	14700	<1.0		1440	14700	<1.0	3-8822/13-1849
				1825	18000	<1.0		1820	18000	<1.0	3-8823/16-1849
	2.2	3		2224	21000	1.05		1853	21000	1.27	3-8824/16-1849
				2350	21000	<1.0		2350	21000	<1.0	5-8824/16-1849
				3050	26000	<1.0		3050	26000	<1.0	5-8825/17-1849
	3.7	5		4140	27800	<1.0		4100	27800	<1.0	8-8826/19-1849
				5559	20000	1.11		4633	20000	1.33	8-8827/19-1849
	7.5	10		6150	20000	<1.0		6150	20000	<1.0	10-8827/19-1849

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model Motor(HP)-Frame-Ratio
	KW	HP	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	
2065 (59 × 35)	0.2	1/4	0.73	77.0	1365	<1.0	0.87	77.0	1365	<1.0	02-8813/08-2065
				103	1500	<1.0		102	1500	<1.0	02-8814/08-2065
				183	2050	<1.0		183	2050	<1.0	02-8816/09-2065
	0.4	1/2		226	2900	1.23		188	2900	1.48	02-8817/09-2065
				183	2050	<1.0		183	2050	<1.0	05-8816/09-2065
				278	2900	<1.0		278	2900	<1.0	05-8817/09-2065
				410	4000	<1.0		325	4000	1.09	05-8818/10-2065
	0.75	1		410	4000	<1.0		410	4000	<1.0	1-8818/10-2065
				730	5400	<1.0		706	5400	1.04	1-8819/11-2065
				810	8000	<1.0		795	8000	<1.0	2-8820/11-2065
	1.5	2		1140	8800	<1.0		1140	8800	<1.0	2-8821/13-2065
				1440	14700	<1.0		1411	14700	1.02	2-8822/13-2065
				1440	14700	<1.0		1440	14700	<1.0	3-8822/13-2065
				1825	18000	<1.0		1820	18000	<1.0	3-8823/16-2065
	2.2	3		2350	21000	<1.0		2070	21000	1.14	3-8824/16-2065
				2350	21000	<1.0		2350	21000	<1.0	5-8824/16-2065
				3050	26000	<1.0		3050	26000	<1.0	5-8825/17-2065
	3.7	5		4140	27800	<1.0		4100	27800	<1.0	8-8826/19-2065
				6150	20000	<1.0		5174	20000	1.19	8-8827/19-2065
	7.5	10		6150	20000	<1.0		6150	20000	<1.0	10-8827/19-2065

▶ S.F 가 "1" 인 제품은 입력용량과 출력허용토크를 최대로 사용하지 말것.(Do not use Max, torque & input capacity at S.F (1))

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model Motor(HP)-Frame-Ratio
	KW	HP	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	
2537 (59×43)	0.2	1/4	0.59	77.0	1365	<1.0	0.71	77.0	1365	<1.0	02-8813/08-2537
				103	1500	<1.0		103	1500	<1.0	02-8814/08-2537
				183	2050	<1.0		183	2050	<1.0	02-8816/09-2537
				278	2900	<1.0		231	2900	1.20	02-8817/09-2537
	0.4	1/2		278	2900	<1.0		278	2900	<1.0	05-8817/09-2537
				410	4000	<1.0		410	4000	<1.0	05-8818/10-2537
	0.75	1		410	4000	<1.0		410	4000	<1.0	1-8818/10-2537
				730	5400	<1.0		730	5400	<1.0	1-8819/11-2537
				810	8000	<1.0		730	8000	<1.0	1-8820/11-2537
				810	8000	<1.0		785	8000	<1.0	2-8820/11-2537
	1.5	2		1140	8800	<1.0		1140	8800	<1.0	2-8821/13-2537
				1440	14700	<1.0		1440	14700	<1.0	2-8822/13-2537
				1825	18000	<1.0		1820	18000	<1.0	3-8823/16-2537
	2.2	3		2350	21000	<1.0		2350	21000	<1.0	3-8824/16-2537
				3050	26000	<1.0		3050	26000	<1.0	5-8825/17-2537
	3.7	5		4140	27800	<1.0		4100	27800	<1.0	8-8826/19-2537
6150			20000	<1.0	6150	20000	<1.0	8-8827/19-2537			
7.5	10	6150	20000	<1.0	6150	20000	<1.0	10-8827/19-2537			

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model Motor(HP)-Frame-Ratio
	KW	HP	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	
3045 (87×35)	0.2	1/4	0.49	77.0	1365	<1.0	0.59	77.0	1365	<1.0	02-8813/08-3045
				103	1500	<1.0		103	1500	<1.0	02-8814/08-3045
				183	2050	<1.0		183	2050	<1.0	02-8816/09-3045
				278	2900	<1.0		277	2900	1.00	02-8817/09-3045
	0.4	1/2		278	2900	<1.0		278	2900	<1.0	05-8817/09-3045
				410	4000	<1.0		410	4000	<1.0	05-8818/10-3045
	0.75	1		730	5400	<1.0		730	5400	<1.0	1-8819/11-3045
				955	8800	<1.0		950	8800	<1.0	2-8821/13-3045
	1.5	2		1250	14700	<1.0		1275	14700	<1.0	2-8822/13-3045
				1650	18000	<1.0		1600	18000	<1.0	3-8823/16-3045
	2.2	3		2050	21000	<1.0		2050	21000	<1.0	3-8824/16-3045
				2650	26000	<1.0		2650	26000	<1.0	5-8825/17-3045
	3.7	5		3540	27800	<1.0		3520	27800	<1.0	8-8826/19-3045
				6150	20000	<1.0		6150	20000	<1.0	8-8827/19-3045
	7.5	10		6150	20000	<1.0		6150	20000	<1.0	10-8827/19-3045

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model Motor(HP)-Frame-Ratio
	KW	HP	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	
3481 (59×59)	0.2	1/4	0.43	77.0	1365	<1.0	0.52	77.0	1365	<1.0	02-8813/08-3481
				103	1500	<1.0		103	1500	<1.0	02-8814/08-3481
				183	2050	<1.0		183	2050	<1.0	02-8816/09-3481
				278	2900	<1.0		278	2900	<1.0	02-8817/09-3481
	0.4	1/2		278	2900	<1.0		278	2900	<1.0	05-8817/09-3481
				410	4000	<1.0		410	4000	<1.0	05-8818/10-3481
	0.75	1		730	5400	<1.0		730	5400	<1.0	1-8819/11-3481
				860	8000	<1.0		860	8000	<1.0	1-8820/11-3481

▶ S.F 가 "1" 인 제품은 입력용량과 출력허용토크를 최대로 사용하지 말것.(Do not use Max, torque & input capacity at S.F 1)

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model Motor(HP)-Frame-Ratio
	KW	HP	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	
3481 (59 x59)	1.5	2	0.43	1140	8800	<1.0	0.52	1140	8800	<1.0	2-8821/13-3481
				1440	14700	<1.0		1440	14700	<1.0	2-8822/13-3481
	1810	18000		<1.0	1810	18000		<1.0	3-8823/16-3481		
	2350	21000		<1.0	2350	21000		<1.0	3-8824/16-3481		
	3050	26000		<1.0	3050	26000		<1.0	5-8825/17-3481		
	4100	27800		<1.0	4100	27800		<1.0	8-8826/19-3481		
	5.5	7.5	10	6150	20000	<1.0	6150	20000	<1.0	8-8827/19-3481	
				6150	20000	<1.0	6150	20000	<1.0	10-8827/19-3481	

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model Motor(HP)-Frame-Ratio
	KW	HP	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	
4437 (87 x51)	0.2	1/4	0.34	77.0	1365	<1.0	0.41	77.0	1365	<1.0	02-8813/08-4437
				103	1500	<1.0		103	1500	<1.0	02-8814/08-4437
				183	2050	<1.0		183	2050	<1.0	02-8816/09-4437
				278	2900	<1.0		278	2900	<1.0	02-8817/09-4437
	410	4000		<1.0	410	4000		<1.0	05-8818/10-4437		
	730	5400		<1.0	730	5400		<1.0	1-8819/11-4437		
	0.4	1/2	0.34	950	8800	<1.0	950	8800	<1.0	2-8821/13-4437	
				1275	14700	<1.0	1275	14700	<1.0	2-8822/13-4437	
	0.75	1	0.34	1600	18000	<1.0	1600	18000	<1.0	3-8823/16-4437	
				2050	21000	<1.0	2050	21000	<1.0	3-8824/16-4437	
	1.5	2	0.34	2650	26000	<1.0	2650	26000	<1.0	5-8825/17-4437	
				3520	27800	<1.0	3520	27800	<1.0	8-8826/19-4437	
	2.2	3	0.34	6150	20000	<1.0	6150	20000	<1.0	8-8827/19-4437	
				6150	20000	<1.0	6150	20000	<1.0	10-8827/19-4437	
	3.7	5	0.34	6150	20000	<1.0	6150	20000	<1.0	10-8827/19-4437	
				6150	20000	<1.0	6150	20000	<1.0	10-8827/19-4437	
	5.5	7.5	0.34	6150	20000	<1.0	6150	20000	<1.0	10-8827/19-4437	
				6150	20000	<1.0	6150	20000	<1.0	10-8827/19-4437	
7.5	10	0.34	6150	20000	<1.0	6150	20000	<1.0	10-8827/19-4437		
			6150	20000	<1.0	6150	20000	<1.0	10-8827/19-4437		

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model Motor(HP)-Frame-Ratio
	KW	HP	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	
5133 (87 x59)	0.2	1/4	0.29	77.0	1365	<1.0	0.35	77.0	1365	<1.0	02-8813/08-5133
				103	1500	<1.0		103	1500	<1.0	02-8814/08-5133
				183	2050	<1.0		183	2050	<1.0	02-8816/09-5133
				278	2900	<1.0		278	2900	<1.0	02-8817/09-5133
	410	4000		<1.0	410	4000		<1.0	05-8818/10-5133		
	730	5400		<1.0	730	5400		<1.0	1-8819/11-5133		
	0.4	1/2	0.29	860	8000	<1.0	860	8000	<1.0	1-8820/11-5133	
				1140	8800	<1.0	1140	8800	<1.0	2-8821/13-5133	
	0.75	1	0.29	1440	14700	<1.0	1440	14700	<1.0	2-8822/13-5133	
				1810	18000	<1.0	1810	18000	<1.0	3-8823/16-5133	
	1.5	2	0.29	2350	21000	<1.0	2350	21000	<1.0	3-8824/16-5133	
				3050	26000	<1.0	3050	26000	<1.0	5-8825/17-5133	
	2.2	3	0.29	4100	27800	<1.0	4100	27800	<1.0	8-8826/19-5133	
				6150	20000	<1.0	6150	20000	<1.0	8-8827/19-5133	
	3.7	5	0.29	6150	20000	<1.0	6150	20000	<1.0	8-8827/19-5133	
				6150	20000	<1.0	6150	20000	<1.0	10-8827/19-5133	
	5.5	7.5	0.29	6150	20000	<1.0	6150	20000	<1.0	10-8827/19-5133	
				6150	20000	<1.0	6150	20000	<1.0	10-8827/19-5133	
7.5	10	0.29	6150	20000	<1.0	6150	20000	<1.0	10-8827/19-5133		
			6150	20000	<1.0	6150	20000	<1.0	10-8827/19-5133		

▶ S.F 가 "1" 인 제품은 입력용량과 출력허용토크를 최대로 사용하지 말것.(Do not use Max, torque & input capacity at S.F (1))

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model Motor(HP)-Frame-Ratio
	KW	HP	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	
6177 (87×71)	0.2	1/4	0.24	77.0	1365	<1.0	0.29	77.0	1365	<1.0	02-8813/09-6177
				103	1500	<1.0		103	1500	<1.0	02-8814/09-6177
				183	2050	<1.0		183	2050	<1.0	02-8816/09-6177
				278	2900	<1.0		278	2900	<1.0	02-8817/09-6177
	0.4	1/2		410	4000	<1.0		410	4000	<1.0	05-8818/10-6177
				730	5400	<1.0		730	5400	<1.0	1-8819/11-6177
	0.75	1		950	8800	<1.0		950	8800	<1.0	2-8821/13-6177
				1275	14700	<1.0		1275	14700	<1.0	2-8822/13-6177
	1.5	2		1600	18000	<1.0		1600	18000	<1.0	3-8823/16-6177
				2050	21000	<1.0		2050	21000	<1.0	3-8824/16-6177
	3.7	5		2650	26000	<1.0		2650	26000	<1.0	5-8825/17-6177
				3520	27800	<1.0		3520	27800	<1.0	8-8826/19-6177
	5.5	7.5		6150	20000	<1.0		6150	20000	<1.0	8-8827/19-6177
				6150	20000	<1.0		6150	20000	<1.0	10-8827/19-6177

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model Motor(HP)-Frame-Ratio
	KW	HP	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	
7569 (87×87)	0.2	1/4	0.20	77.0	1365	<1.0	0.24	77.0	1365	<1.0	02-8813/08-7569
				103	1500	<1.0		103	1500	<1.0	02-8814/08-7569
				183	2050	<1.0		183	2050	<1.0	02-8816/09-7569
				278	2900	<1.0		278	2900	<1.0	02-8817/09-7569
	0.4	1/2		410	4000	<1.0		410	4000	<1.0	05-8818/10-7569
				730	5400	<1.0		730	5400	<1.0	1-8819/11-7569
	0.75	1		950	8800	<1.0		950	8800	<1.0	2-8821/13-7569
				1275	14700	<1.0		1275	14700	<1.0	2-8822/13-7569
	1.5	2		1600	18000	<1.0		1600	18000	<1.0	3-8823/16-7569
				2050	21000	<1.0		2050	21000	<1.0	3-8824/16-7569
	3.7	5		2650	26000	<1.0		2650	26000	<1.0	5-8825/17-7569
				3500	27800	<1.0		3520	27800	<1.0	8-8826/19-7569
	5.5	7.5		6150	20000	<1.0		6150	20000	<1.0	8-8827/19-7569
				6150	20000	<1.0		6150	20000	<1.0	10-8827/19-7569

▶ S.F 가 "1" 인 제품은 입력용량과 출력허용토크를 최대로 사용하지 말것.(Do not use Max, torque & input capacity at S.F (1))

Ratio	Motor		50 Hz(1000rpm)				60 Hz(1200rpm)				Model Motor(HP)-Frame-Ratio
	KW	HP	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	
11	55	75	91	544	6450	1.68	109	454	6100	1.69	75/6-8823-11
					6450	1.24			6100	1.24	100/6-8823-11
	75	100		742	7200	1.60		619	6800	1.57	100/6-8824-11
					8850	1.93			8350	1.93	100/6-8825-11
					6450	1.05			742	6100	1.05
	7200	1.33		6800	1.33	125/6-8824-11					
	8850	1.61		8350	1.58	125/6-8825-11					
	10750	1.85		10250	1.86	125/6-8826-11					
	110	150		1089	7200	1.03		908	6800	1.03	150/6-8824-11
					8850	1.27			8350	1.27	150/6-8825-11
					10750	1.52			10250	1.52	150/6-8826-11
	132	175		1307	8850	1.06		1089	8350	1.06	175/6-8825-11
					10750	1.28			10250	1.28	175/6-8826-11

Ratio	Motor		50 Hz(1000rpm)				60 Hz(1200rpm)				Model Motor(HP)-Frame-Ratio
	KW	HP	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	
15	37	50	67	500	7095	2.50	80	416	6720	2.51	50/6-8823-15
					608	2.07			506	2.08	60/6-8823-15
					745	1.69			619	1.68	75/6-8823-15
	75	100		1012	7095	1.24		844	6720	1.24	100/6-8823-15
					7905	1.51			7500	1.51	100/6-8824-15
					9600	1.86			9145	1.86	100/6-8825-15
	90	125		1215	7095	1.05		1012	6720	1.03	125/6-8823-15
					7905	1.26			7500	1.26	125/6-8824-15
					9600	1.53			9145	1.55	125/6-8825-15
					11900	1.87			11250	1.86	125/6-8826-15
	110	150		1485	7905	1.03		1238	7500	1.03	150/6-8824-15
					9600	1.27			9145	1.27	150/6-8825-15
					11900	1.52			11250	1.52	150/6-8826-15
	132	175		1785	9600	1.06		1485	9145	1.06	175/6-8825-15
					11900	1.27			11250	1.27	175/6-8826-15

Ratio	Motor		50 Hz(1000rpm)				60 Hz(1200rpm)				Model Motor(HP)-Frame-Ratio
	KW	HP	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	
21	30	40	48	567	7850	2.47	57	472	7440	2.47	40/6-8823-21
					699	1.97			583	1.98	50/6-8823-21
	45	60		850	7850	1.61		709	7440	1.62	60/6-8823-21
					8735	2.15			8275	2.16	60/6-8824-21
	55	75		1040	7850	1.31		866	7440	1.35	75/6-8823-21
					8735	1.74			8275	1.74	75/6-8824-21

Ratio	Motor		50 Hz(1000rpm)				60 Hz(1200rpm)				Model Motor(HP)-Frame-Ratio
	KW	HP	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	
21	75	100	48	1418	7850	1.01	57	1181	7440	1.01	100/6-8823-21
					8735	1.27			8275	1.27	100/6-8824-21
					10750	1.52			10150	1.52	100/6-8825-21
					13050	1.88			12350	1.88	100/6-8826-21
	90	125		1701	8735	1.06		1418	8275	1.06	125/6-8824-21
					10750	1.27			10150	1.27	125/6-8825-21
					13050	1.56			12350	1.60	125/6-8826-21
	110	150		2079	10750	1.05		1732	10150	1.05	150/6-8825-21
					13050	1.27			12350	1.28	150/6-8826-21
	132	175		2495	13050	1.06		2079	12350	1.06	175/6-8826-21

Ratio	Motor		50 Hz(1000rpm)				60 Hz(1200rpm)				Model Motor(HP)-Frame-Ratio
	KW	HP	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	
29	30	40	34	783	8650	1.87	41	652	8200	1.87	40/6-8823-29
					966	8650			1.51	805	8200
	45	60		1174	9650	1.88		979	9150	1.88	50/6-8824-29
					8650	1.24			8200	1.24	60/6-8823-29
					9650	1.55			9150	1.55	60/6-8824-29
	55	75		1436	11850	2.13		1196	11150	2.14	60/6-8825-29
					8650	1.02			8200	1.02	75/6-8823-29
					9650	1.26			9150	1.26	75/6-8824-29
	75	100		1958	11850	1.74		1631	11150	1.74	75/6-8825-29
					14500	1.79			13500	1.82	100/6-8825-29
	90	125		2349	11850	1.27		1958	11150	1.27	100/6-8826-29
					14500	1.06			13500	1.06	125/6-8825-29
					20000	1.50			20000	1.50	125/6-8826-29
	110	150		2871	20000	1.61		2392	20000	1.61	125/6-8827-29
					14500	1.22			13500	1.24	150/6-8826-29
	132	175		3445	20000	1.30		2871	20000	1.30	150/6-8827-29
					14500	1.02			13500	1.04	175/6-8826-29

Ratio	Motor		50 Hz(1000rpm)				60 Hz(1200rpm)				Model Motor(HP)-Frame-Ratio
	KW	HP	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	
43	18.5	25	23	716	9750	2.15	29	597	9200	2.32	25/6-8823-43
					851	9750			1.85	710	9200
	30	40		1161	9750	1.39		968	9200	1.43	40/6-8823-43
					10850	1.84			10350	1.86	40/6-8824-43
	37	50		1432	9750	1.13		1193	9200	1.16	50/6-8823-43
					10850	1.50			10350	1.52	50/6-8824-43
					13250	1.85			12550	1.85	50/6-8825-43
	45	60		1742	10850	1.23		1451	10350	1.25	60/6-8824-43
					13250	1.52			12550	1.54	60/6-8825-43
					16250	2.13			15300	2.13	60/6-8826-43
	55	75		2128	10850	1.02		1774	10350	1.02	75/6-8824-43
					13250	1.23			12550	1.23	75/6-8825-43
					16250	1.74			15300	1.74	75/6-8826-43

Ratio	Motor		50 Hz(1000rpm)				60 Hz(1200rpm)				Model Motor(HP)-Frame-Ratio
	KW	HP	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	
43	75	100	23	2902	16250	1.24	29	2419	15300	1.27	100/6-8826-43
					20000	1.68			20000	1.69	100/6-8827-43
	90	125		3483	16250	1.06		2902	15300	1.08	125/6-8826-43
					20000	1.40			20000	1.42	125/6-8827-43

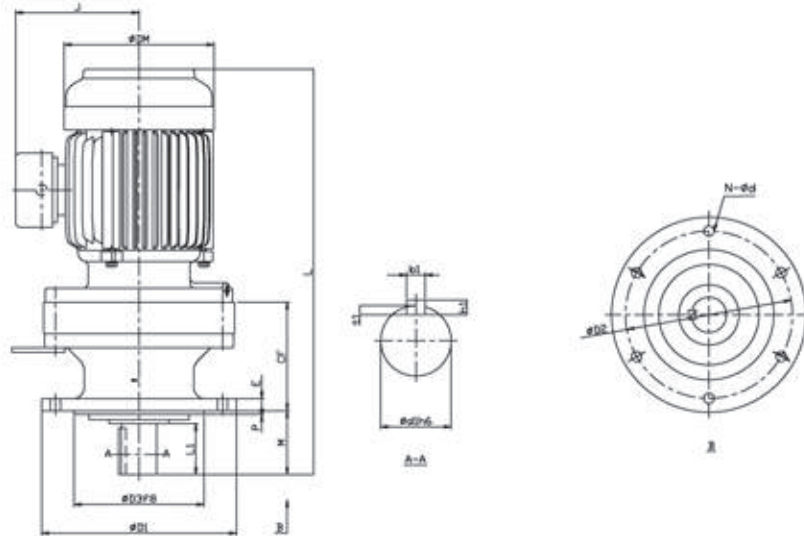
Ratio	Motor		50 Hz(1000rpm)				60 Hz(1200rpm)				Model Motor(HP)-Frame-Ratio
	KW	HP	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	
59	15	20	17	796	10750	1.87	20	664	10250	1.96	20/6-8823-59
					10750	1.60			10250	1.60	25/6-8823-59
	18.5	25		982	11950	2.04		819	11300	2.05	25/6-8824-59
					10750	1.30			10250	1.32	30/6-8823-59
	22	30		1168	11950	1.74		974	11300	1.75	30/6-8824-59
					10750	1.00			10250	1.02	40/6-8823-59
	30	40		1593	11950	1.29		1328	11300	1.30	40/6-8824-59
					14650	1.86			14000	1.86	40/6-8825-59
					11950	1.05			11300	1.04	50/6-8824-59
	37	50		1965	14650	1.50		1637	14000	1.51	50/6-8825-59
					17850	1.90			16900	1.95	50/6-8826-59
					14650	1.23			14000	1.24	60/6-8825-59
	45	60		2400	17850	1.60		1991	16900	1.60	60/6-8826-59
					20000	2.25			20000	2.35	60/6-8827-59
					14650	1.01			14000	1.02	75/6-8825-59
	55	75		2920	17850	1.30		2434	16900	1.32	75/6-8826-59
					20000	1.80			20000	1.90	75/6-8827-59
					17850	1.00			16900	1.02	100/6-8826-59
	75	10		3982	20000	1.35		3319	20000	1.40	100/6-8827-59

Ratio	Motor		50 Hz(1000rpm)				60 Hz(1200rpm)				Model Motor(HP)-Frame-Ratio
	KW	HP	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	
87	15	20	11	1174	12050	1.30	14	979	11450	1.35	20/6-8823-87
					13450	1.69			12750	1.80	20/6-8824-87
	18.5	25		1448	12050	1.12		1207	11450	1.13	25/6-8823-87
					13450	1.40			12750	1.43	25/6-8824-87
					16450	1.80			15550	1.90	25/6-8825-87
	22	30		1723	13450	1.15		1436	12750	1.20	30/6-8824-87
					16450	1.50			15550	1.60	30/6-8825-87
					20000	1.95			19000	2.05	30/6-8826-87
	30	40		2349	16450	1.11		1958	15550	1.15	40/6-8825-87
					20000	1.48			19000	1.50	40/6-8826-87
					20000	1.65			20000	1.68	40/6-8827-87
	37	50		2879	20000	1.16		2414	19000	1.24	50/6-8826-87
					20000	1.37			20000	1.38	50/6-8827-87
					20000	1.01			19000	1.02	60/6-8826-87
	45	60		3524	20000	1.15		2936	20000	1.16	60/6-8827-87

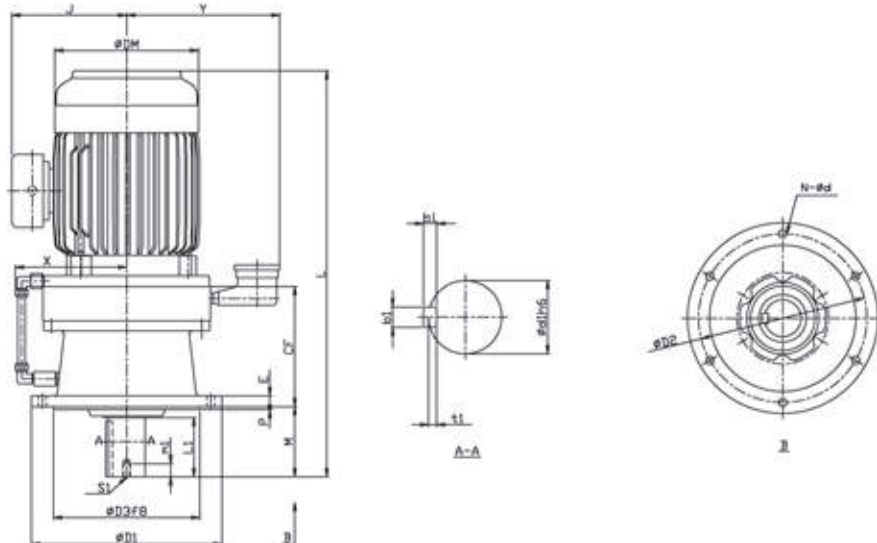
(kW)	Model	Dim. Of side														Output shaft					WT (kg)			
		L	A	J	DM	N	F	C	R	V	Q	M	E	P	d	DC	H	G	L1	d1		b1×h1×t1	S1	m1
0.75	KHHM-1-8822/13	952		162	177																			460
1.5	KHHM-2-8822/13	1009		178	200																			462
2.2	KHHM-3-8822/13	1038	692	199	219	624	540	280	40	115	42	524	420	52	4-φ33	526	610	230	165	120	32×18×11	M20	34	478
3.7	KHHM-5-8822/13	1022		216	238																			482
5.5	KHHM-8-8822/13	1066		236	273																			510
7.5	KHHM-10-8822/13	1104		236	273																			517
3.7	KHHM-5-8822/17	1080		216	238																			527
5.5	KHHM-8-8822/17	1114		236	273																			555
7.5	KHHM-10-8822/17	1152	735	236	273	624	540	280	40	115	42	524	420	52	4-φ33	526	610	230	165	120	32×18×11	M20	34	562
11	KHHM-15-8822/17	1227		301	334																			613
15	KHHM-20-8822/17	1271		301	334																			621
2.2	KHHM-3-8823/16	1124		199	219																			598
3.7	KHHM-5-8823/16	1111		216	238																			602
5.5	KHHM-8-8823/16	1157	778	236	273	674	580	300	45	120	47	564	460	52	4-φ33	562	667	260	200	130	32×18×11	M24	41	630
7.5	KHHM-10-8823/16	1195		236	273																			637
11	KHHM-15-8823/16	1270		301	334																			688
15	KHHM-20-8823/16	1314		301	334																			696
7.5	KHHM-10-8823/18	1226		236	275																			670
11	KHHM-15-8823/18	1294		301	334																			721
15	KHHM-20-8823/18	1338	800	301	334	674	580	300	45	120	47	564	460	52	4-φ33	562	667	260	200	130	32×18×11	M24	41	746
18.5	KHHM-25-8823/18	1361		325	382																			744
22	KHHM-30-8823/18	1361		325	382																			744
2.2	KHHM-3-8824/16	1162		199	219																			703
3.7	KHHM-5-8824/16	1149		216	238																			707
5.5	KHHM-8-8824/16	1195	816	236	273	724	630	335	45	128	47	584	480	52	4-φ39	614	729	263	200	140	36×20×12	M24	41	735
7.5	KHHM-10-8824/16	1233		236	273																			742
11	KHHM-15-8824/16	1308		301	334																			793
15	KHHM-20-8824/16	1352		301	334																			801
7.5	KHHM-10-8824/18	1263		236	273																			775
11	KHHM-15-8824/18	1331		301	334																			826
15	KHHM-20-8824/18	1375	837	301	334	724	630	335	45	128	47	584	480	52	4-φ39	614	729	263	200	140	36×20×12	M24	41	834
18.5	KHHM-25-8824/18	1398		325	382																			862
22	KHHM-30-8824/18	1398		325	382																			862
3.7	KHHM-5-8825/17	1301		216	238																			1064
5.5	KHHM-8-8825/17	1335		236	273																			1092
7.5	KHHM-10-8825/17	1373		236	273																			1099
11	KHHM-15-8825/17	1448	956	301	334	784	670	375	50	140	57	634	520	57	4-φ39	670	815	320	240	160	40×22×13	M30	49	1150
15	KHHM-20-8825/17	1492		301	334																			1158
18.5	KHHM-25-8825/17	1517		325	382																			1190
22	KHHM-30-8825/17	1517		325	382																			1190
7.5	KHHM-10-8825/19	1401		236	273																			1081
11	KHHM-15-8825/19	1476		301	334																			1225
15	KHHM-20-8825/19	1520	978	301	334	784	670	375	50	140	57	634	520	57	4-φ39	670	815	320	240	160	40×22×13	M30	49	1233
18.5	KHHM-25-8825/19	1539		325	382																			1264
22	KHHM-30-8825/19	1539		325	382																			1264
30	KHHM-40-8825/19	1577		316	382																			1280
5.5	KHHM-8-8826/19	1473		236	273																			1423
7.5	KHHM-10-8826/19	1511		236	273																			1430
11	KHHM-15-8826/19	1586		301	334																			1481
15	KHHM-20-8826/19	1630	1088	301	33	884	770	400	55	160	57	704	590	57	4-φ45	736	874	390	300	170	40×22×13	M30	49	1489
18.5	KHHM-25-8826/19	1649		325	4382																			1519
22	KHHM-30-8826/19	1649		325	382																			1519
30	KHHM-40-8826/19	1687		316	382																			1535
37	KHHM-50-8826/19	1750		364	420																			1625
5.5	KHHM-8-8827/19	1734		236	273																			2563
7.5	KHHM-10-8827/19	1772		236	273																			2570
11	KHHM-15-8827/19	1847		301	334																			2621
15	KHHM-20-8827/19	1891	1349	301	334	1164	1050	540	60	200	57	1044	840	102	6-φ45	950	1161	485	330	180	45×25×15	M30	52	2629
18.5	KHHM-25-8827/19	1910		325	382																			2654
22	KHHM-30-8827/19	1910		325	382																			2654
30	KHHM-40-8827/19	1948		316	382																			2670
37	KHHM-50-8827/19	2011		364	420																			2765

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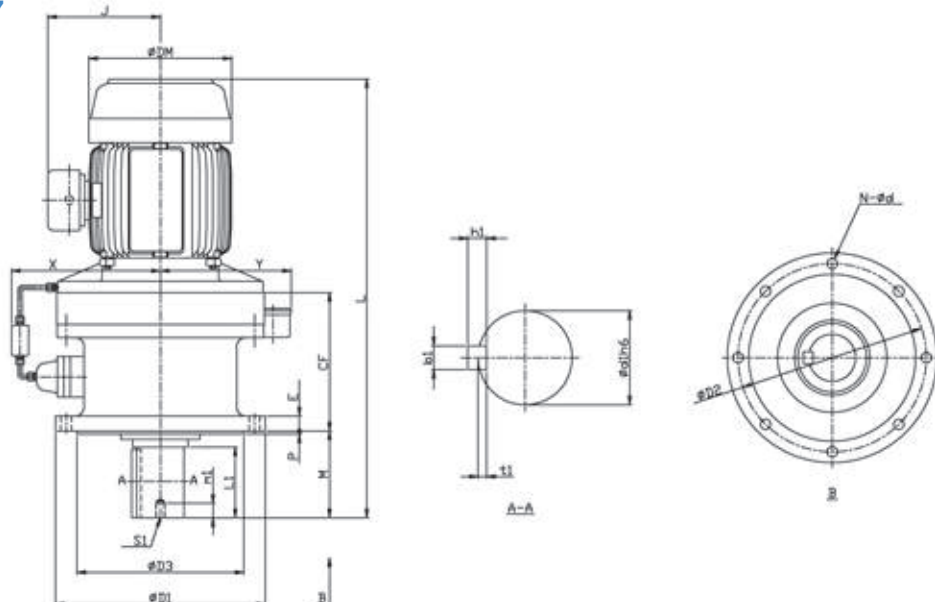
● KNVM 8807 ~ 8812



● KDVM 8813 ~ 8814



● KDVM 8816 ~ 8817

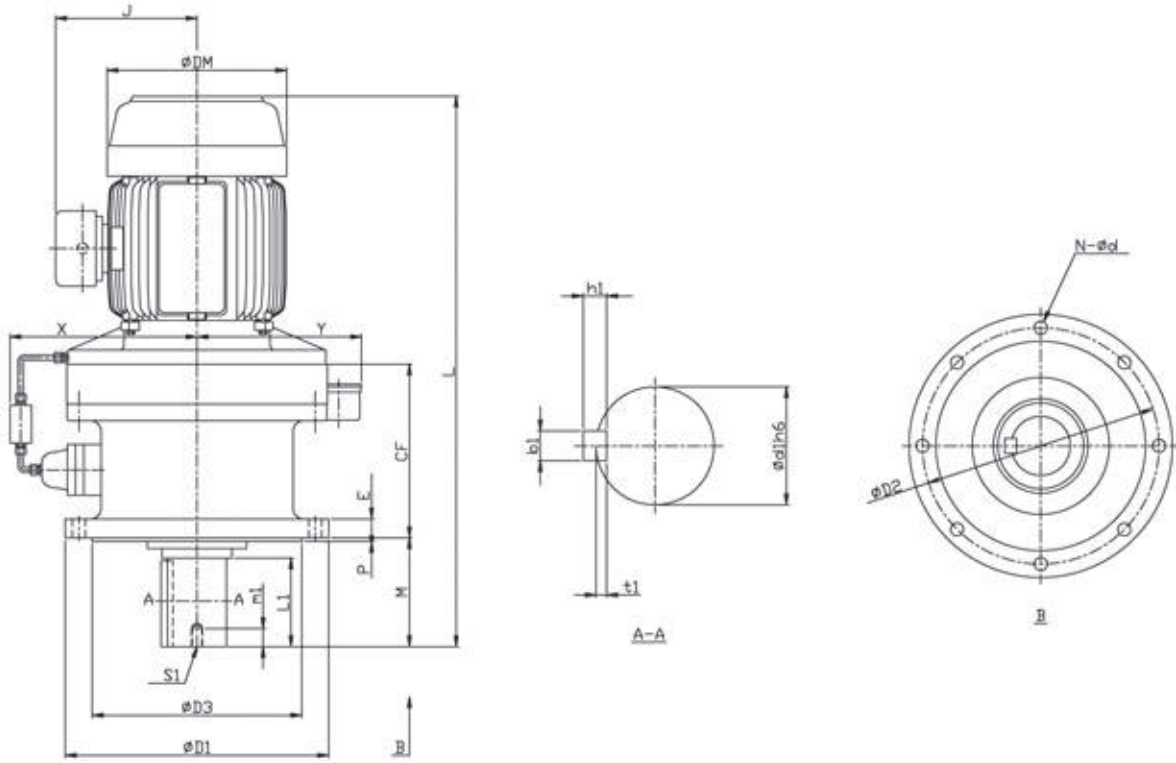


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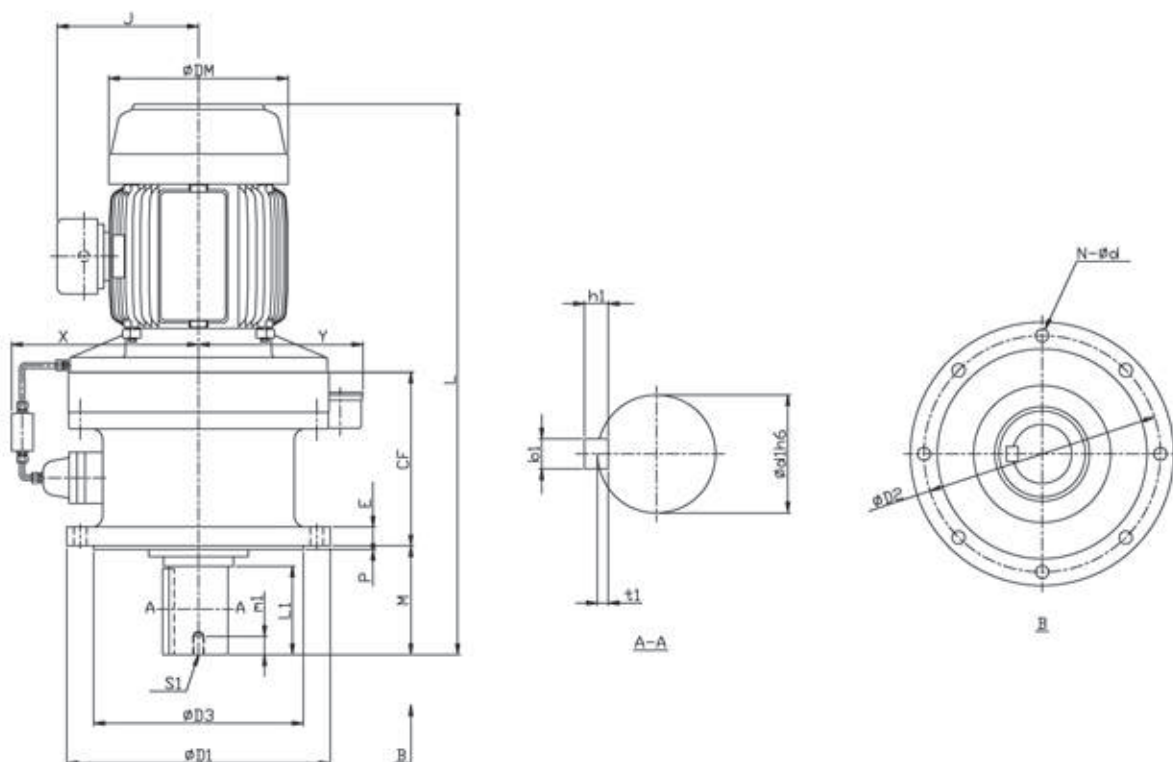
(kW)	Model	Dim. Of side											Output shaft		WT (kg)
		L	J	DM	D1	D3	CF	E	P	M	D2	N	d1	b1×h1×t1	
0.2	KNVM-02-8807	311	121	144	120	80	58	8	3	34	102	6-φ9	φ14	5×5×3	13
0.2	KNVM-02-8808	317	121	144	160	110	56	9	3	42	134	4-φ11	φ18	6×6×3.5	14
0.4	KNVM-05-8808	388	132	162											16
0.2	KNVM-02-8809	361	121	144											18
0.4	KNVM-05-8809	382	158	162	160	110	94	9	3	48	134	4-φ11	φ28	8×7×4	39
0.75	KNVM-1-8809	381	158	177											39
0.2	KNVM-02-8810	375	121	144											20
0.4	KNVM-05-8810	416	158	162											42
0.75	KNVM-1-8810	416	158	177	160	110	108	9	3	48	134	4-φ11	φ28	8×7×4	42
1.5	KNVM-2-8810	471	172	200											44
2.2	KNVM-3-8810	502	180	219											60
0.4	KNVM-02-8811	446	158	162											54
0.75	KNVM-05-8811	446	158	177											54
1.5	KNVM-1-8811	501	172	200	210	140	117	13	4	69	180	6-φ11	φ38	10×8×5	56
2.2	KNVM-2-8811	532	180	219											72
3.7	KNVM-3-8811	516	205	238											76
0.4	KNVM-05-8812	446	158	162											54
0.75	KNVM-1-8812	446	158	177											54
1.5	KNVM-2-8812	501	172	200	210	140	117	13	4	69	180	6-φ11	φ38	10×8×5	56
2.2	KNVM-3-8812	532	180	219											72
3.7	KNVM-5-8812	516	202	238											76
0.75	KDVM-1-8813	500	158	177											73
1.5	KDVM-2-8813	555	172	200											75
2.2	KDVM-3-8813	586	180	219	260	200	164	15	4	76	230	6-φ11	φ50	14×9×5.5	91
3.7	KDVM-5-8813	570	205	238											95
5.5	KDVM-8-8813	619	220	273											123
7.5	KDVM-10-8813	657	220	273											130
0.75	KDVM-1-8814	520	158	177											73
1.5	KDVM-2-8814	575	172	200											75
2.2	KDVM-3-8814	606	180	219	260	200	164	15	4	96	230	6-φ11	φ50	14×9×5.5	91
3.7	KDVM-5-8814	590	205	238											95
5.5	KDVM-8-8814	639	220	273											123
7.5	KDVM-10-8814	677	220	273											130
1.5	KDVM-2-8816	623	172	200											112
2.2	KDVM-3-8816	654	180	219											128
3.7	KDVM-5-8816	641	205	238											132
5.5	KDVM-8-8816	687	220	273	340	270	219	20	4	89	310	6-φ11	φ60	18×11×7	160
7.5	KDVM-10-8816	725	220	273											167
11	KDVM-15-8816	800	272	334											218
15	KDVM-20-8816	844	272	334											226
3.7	KDVM-5-8817	697	205	238											177
5.5	KDVM-8-8817	731	220	273											205
7.5	KDVM-10-8817	769	220	273											212
11	KDVM-15-8817	844	272	334	400	316	258	22	5	94	360	8-φ14	φ70	20×12×7.5	263
15	KDVM-20-8817	888	272	334											271
18.5	KDVM-25-8817	911	282	382											286
22	KDVM-30-8817	911	282	382											286

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● KDVM 8818 ~ 8822



● KDVM 8823 ~ 8826

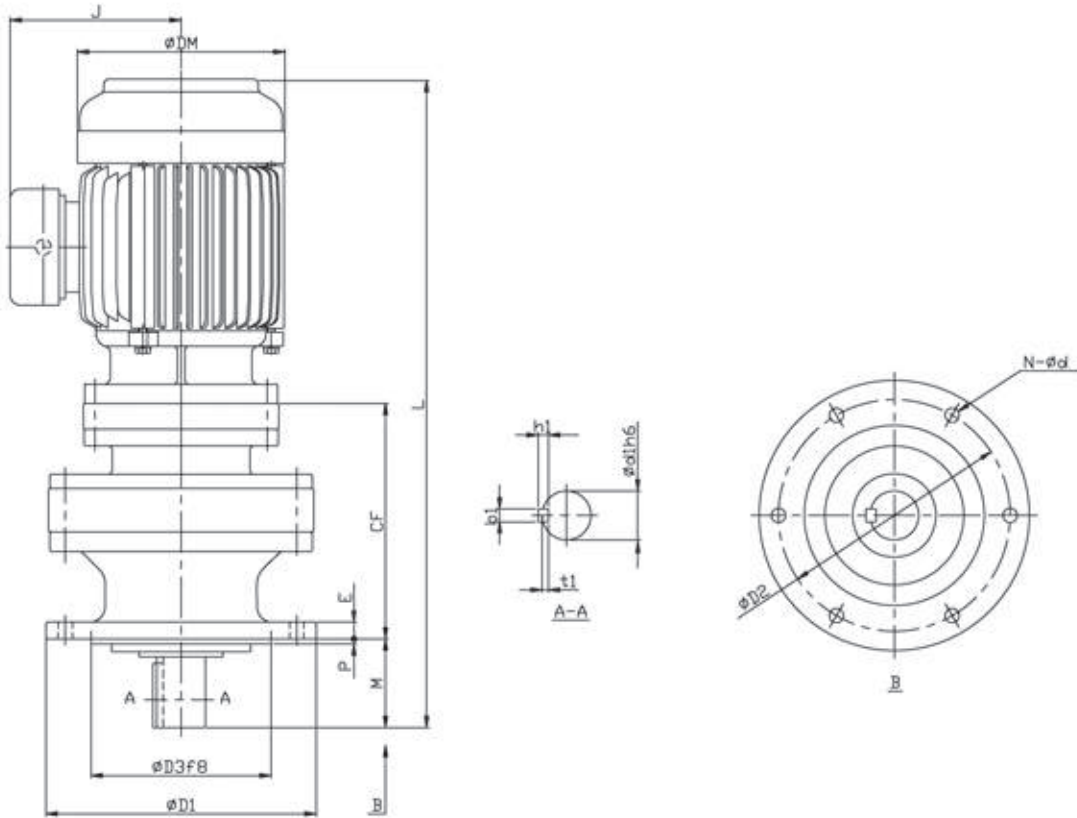


※주의 전체길이 "L"은 모터의 연결방식과 Brake부착에 따라 다소 길어짐.

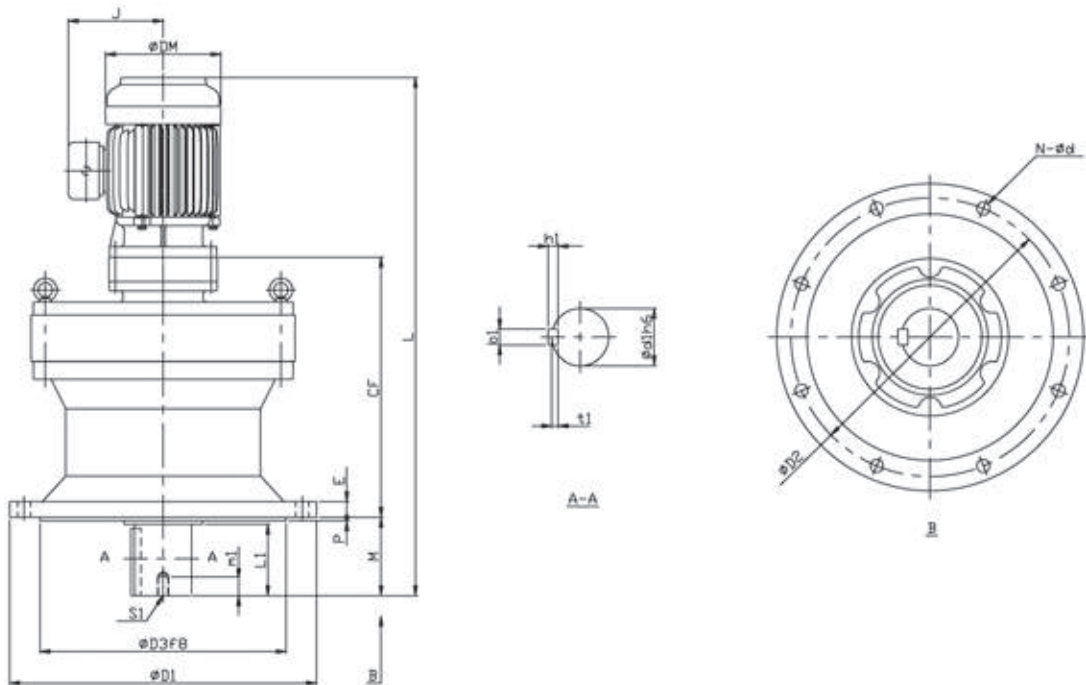
(kW)	Model	Dim. Of side											Output saft		WT (kg)	
		L	J	DM	D1	D3	CF	E	P	M	D2	N	d1	b1×h1×t1		
3.7	KDVM-5-8818	756	205	238												202
5.5	KDVM-8-8818	775	220	273												230
7.5	KDVM-10-8818	815	220	273												237
11	KDVM-15-8818	883	272	334	430	345	279	22	5	110	390	8-φ18	φ80	22×14×9	288	
15	KDVM-20-8818	927	272	334												296
18.5	KDVM-25-8818	950	282	382												311
22	KDVM-30-8818	950	282	382												311
30	KDVM-40-8818	988	288	382												332
5.5	KDVM-8-8819	844	220	273												306
7.5	KDVM-10-8819	888	220	273												313
11	KDVM-15-8819	963	272	334												364
15	KDVM-20-8819	1007	272	334	490	400	320	30	6	145	450	12-φ18	φ95	25×14×9	372	
18.5	KDVM-25-8819	1026	305	382												387
22	KDVM-30-8819	1026	305	382												387
30	KDVM-40-8819	1064	305	382												408
37	KDVM-50-8819	1127	409	420												508
11	KDVM-15-8820	1001	272	334												303
15	KDVM-20-8820	1045	272	334												391
18.5	KDVM-25-8820	1064	305	382												406
22	KDVM-30-8820	1102	305	382	455	355	298	30	5	204	405	8-φ22	φ100	28×16×10	406	
30	KDVM-40-8820	1165	305	382												427
37	KDVM-50-8820	1165	409	420												527
45	KDVM-60-8820	1165	409	420												527
11	KDVM-15-8821	1025	272	334												453
15	KDVM-20-8821	1069	272	334												461
18.5	KDVM-25-8821	1088	305	382												476
22	KDVM-30-8821	1088	305	382	490	390	323	35	7	203	440	8-φ24	φ110	28×22×10	476	
30	KDVM-40-8821	1126	305	382												497
37	KDVM-50-8821	1189	409	420												597
45	KDVM-60-8821	1189	409	420												597
55	KDVM-75-8821	1227	434	458												660
18.5	KDVM-25-8822	1128	305	382												559
22	KDVM-30-8822	1128	305	382												559
30	KDVM-40-8822	1166	305	382	535	415	356	35	10	210	475	8-φ27	φ120	32×18×11	580	
37	KDVM-50-8822	1229	409	420												680
45	KDVM-60-8822	1229	409	420												680
55	KDVM-75-8822	1289	434	458												743
15	KDVM-20/6-8823	1200	305	382												636
18.5	KDVM-25/6-8823	1238	305	382												657
22	KDVM-30/6-8823	1238	305	382												657
30	KDVM-40/6-8823	1400	409	420	570	450	378	40	10	250	510	8-φ27	φ130	32×18×11	757	
37	KDVM-50/6-8823	1400	409	420												757
45	KDVM-60/6-8823	1430	434	458												820
55	KDVM-75/6-8823	1492	495	542												965
15	KDVM-20/6-8824	1225	305	382												731
18.5	KDVM-25/6-8824	1263	305	382												752
22	KDVM-30/6-8824	1263	305	382												752
30	KDVM-40/6-8824	1345	409	420	635	485	407	40	10	250	560	8-φ33	φ140	36×20×12	852	
37	KDVM-50/6-8824	1345	409	420												852
45	KDVM-60/6-8824	1383	434	458												915
55	KDVM-75/6-8824	1572	495	542												1060
18.5	KDVM-25/6-8825	1390	305	382												1048
22	KDVM-30/6-8825	1390	305	382												1048
30	KDVM-40/6-8825	1453	409	420	685	535	480	45	10	295	610	8-φ33	φ160	40×22×13	1148	
37	KDVM-50/6-8825	1453	409	420												1148
45	KDVM-60/6-8825	1491	434	458												1211
55	KDVM-75/6-8825	1540	495	542												1356
30	KDVM-40/6-8826	1570	409	420												1407
37	KDVM-50/6-8826	1570	409	420	750	570	532	50	10	360	660	8-φ39	φ170	40×22×13	1407	
45	KDVM-60/6-8826	1680	434	458												1470

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● KNVM 8807/07 ~ 8811/09



● KDVM 8813/08 ~ 8817/11

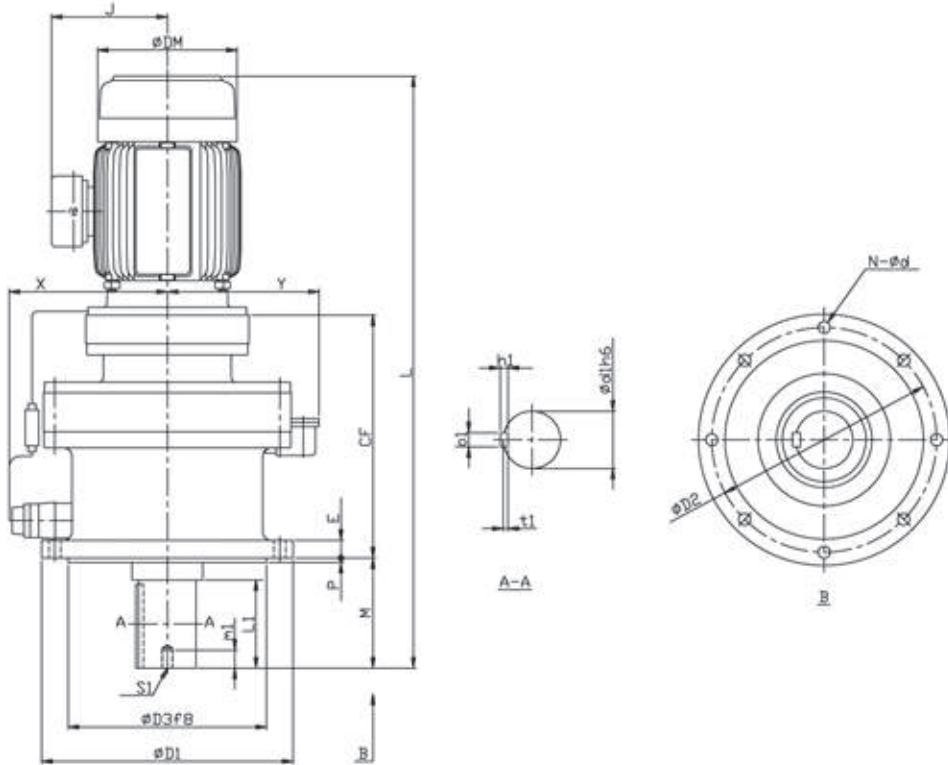


※주의 전체길이 "L"은 모터의 연결방식과 Brake부착에 따라 다소 길어짐.

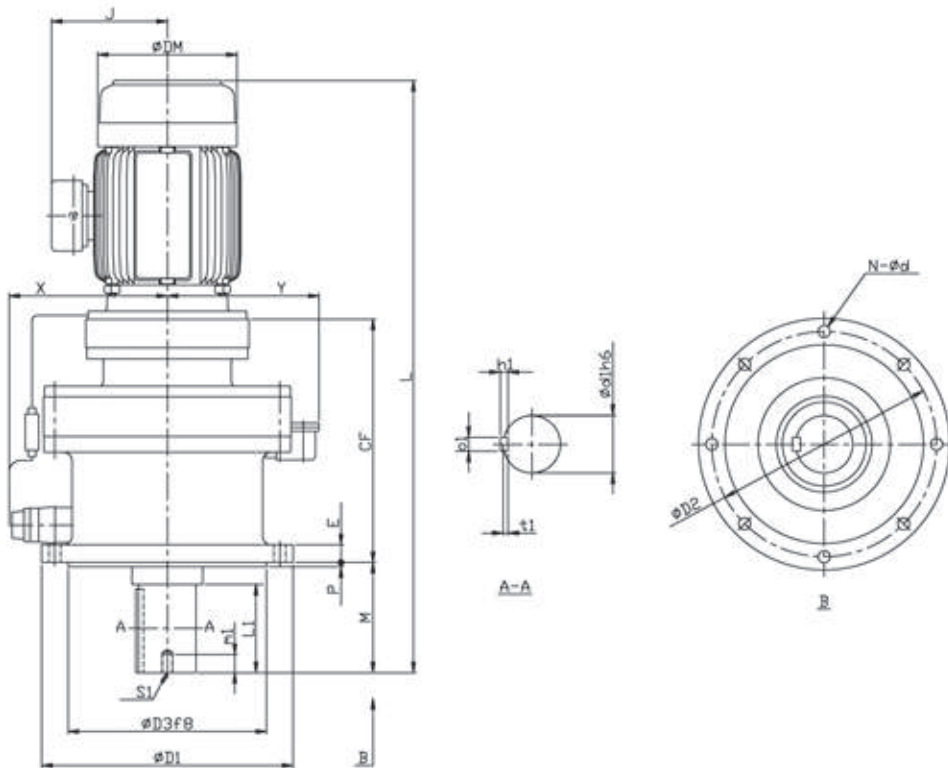
(kW)	Model	Dim. Of side											Output shaft		WT (kg)
		L	J	DM	D1	D3	CF	E	P	M	D2	N	d1	b1×h1×t1	
0.1	KNVM-01-8807/07	307	85	124	120	80	91	8	3	34	102	6-φ9	φ14	5×5×3	11
0.1	KNVM-01-8808/07	324	85	124	160	110	89	9	3	42	134	4-φ11	φ18	6×6×3.5	12
0.2	KNVM-02-8809/08	409	121	144	160	110	142	9	3	48	134	4-φ11	φ28	8×7×4	21
0.2	KNVM-02-8810/08	433	121	144	160	110	156	9	3	48	134	4-φ11	φ28	8×7×4	22
0.4	KNVM-05-8810/08	444	132	162											25
0.2	KNVM-02-8811/08	459	121	144	210	140	171	13	4	69	180	6-φ11	φ38	10×8×5	33
0.4	KNVM-05-8811/08	480	132	167											37
0.2	KNVM-02-8811/09	471	121	144	210	140	183	13	4	69	180	6-φ11	φ38	10×8×5	39
0.4	KNVM-05-8811/09	512	162	162											60
0.75	KNVM-01-8811/09	512	162	177											60
0.2	KDVM-02-8813/08	513	121	144	260	200	218	15	4	76	230	6-φ11	φ50	14×9×5.5	47
0.4	KDVM-05-8813/08	557	132	162											52
0.2	KDVM-02-8813/09	522	121	144	260	200	227	15	4	76	230	6-φ11	φ50	14×9×5.5	52
0.4	KDVM-05-8813/09	562	162	162											76
0.75	KDVM-1-8813/09	562	162	177											76
0.4	KDVM-05-8813/10	577	162	162	260	200	241	15	4	76	230	6-φ11	φ50	14×9×5.5	76
0.75	KDVM-1-8813/10	577	162	177											76
1.5	KDVM-2-8813/10	632	178	200											78
2.2	KDVM-3-8813/10	663	199	219											94
0.2	KDVM-02-8814/08	553	121	144	260	200	218	15	4	96	230	6-φ11	φ50	14×9×5.5	48
0.4	KDVM-05-8814/08	554	132	162											54
0.2	KDVM-02-8814/09	542	121	144	260	200	227	15	4	96	230	6-φ11	φ50	14×9×5.5	52
0.4	KDVM-05-8814/09	582	162	162											76
0.75	KDVM-1-8814/09	582	162	177											76
0.4	KDVM-05-8814/10	597	162	162	260	200	241	15	4	96	230	6-φ11	φ50	14×9×5.5	76
0.75	KDVM-1-8814/10	597	162	177											76
1.5	KDVM-2-8814/10	652	178	200											78
2.2	KDVM-3-8814/10	683	199	219											94
0.2	KDVM-02-8816/09	592	121	144	340	270	285	20	4	89	310	6-φ11	φ60	18×11×7	88
0.4	KDVM-05-8816/09	633	162	162											111
0.75	KDVM-1-8816/09	633	162	177											111
0.4	KDVM-05-8816/10	647	162	162	340	270	299	20	4	89	310	6-φ11	φ60	18×11×7	113
0.75	KDVM-1-8816/10	647	162	177											113
1.5	KDVM-2-8816/10	702	178	200											115
2.2	KDVM-3-8816/10	733	199	219											131
0.4	KDVM-05-8816/11	649	162	162	340	270	300	20	4	89	310	6-φ11	φ60	18×11×7	120
0.75	KDVM-1-8816/11	649	162	177											120
1.5	KDVM-2-8816/11	702	178	200											122
2.2	KDVM-3-8816/11	733	199	219											137
3.7	KDVM-5-8816/11	719	216	238											142
0.2	KDVM-02-8817/09	637	121	144	400	316	324	22	5	94	360	8-φ14	φ70	20×12×7.5	125
0.4	KDVM-05-8817/09	678	162	162											150
0.75	KDVM-1-8817/09	678	162	177											150
0.4	KDVM-05-8817/10	672	132	162	400	316	338	22	5	94	360	8-φ14	φ70	20×12×7.5	155
0.75	KDVM-1-8817/10	671	137	177											155
1.5	KDVM-2-8817/10	708	150	200											157
2.2	KDVM-3-8817/10	735	173	219											173
0.4	KDVM-05-8817/11	696	162	162	400	316	342	22	5	94	360	8-φ14	φ70	20×12×7.5	160
0.75	KDVM-1-8817/11	696	162	177											160
1.5	KDVM-2-8817/11	751	178	200											162
2.2	KDVM-3-8817/11	782	199	219											178
3.7	KDVM-5-8817/11	766	216	238											182

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● KDVM 8818/10 ~ 8819/13



● KDVM 8820/11 ~ 8821/16

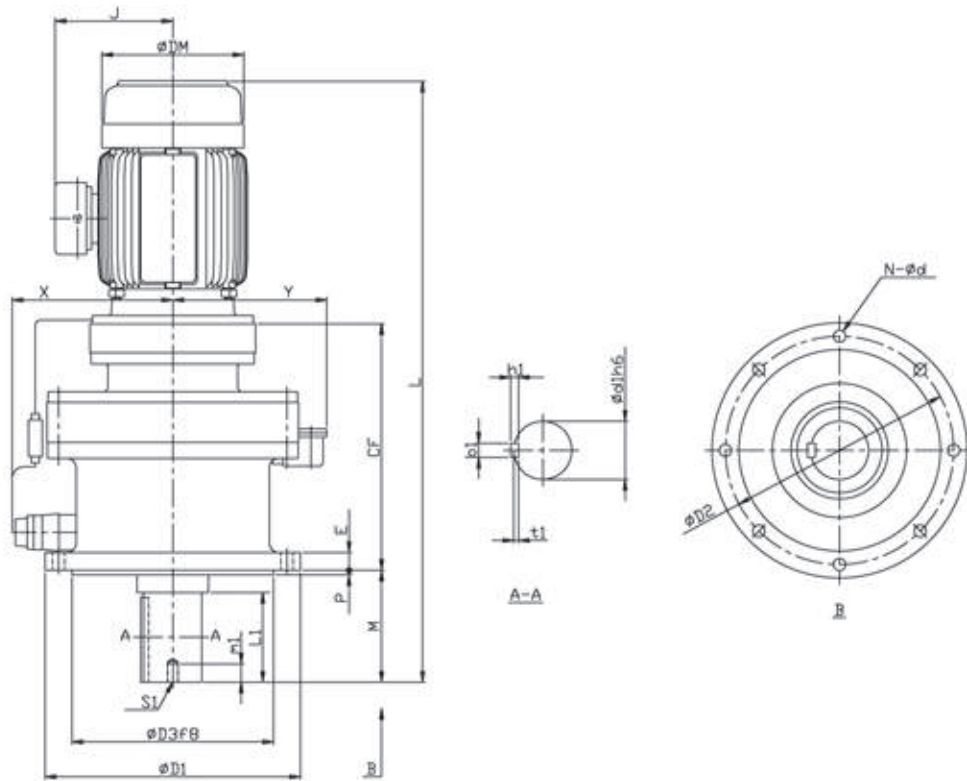


※주의 전체길이 "L"은 모터의 연결방식과 Brake부착에 따라 다소 길어짐.

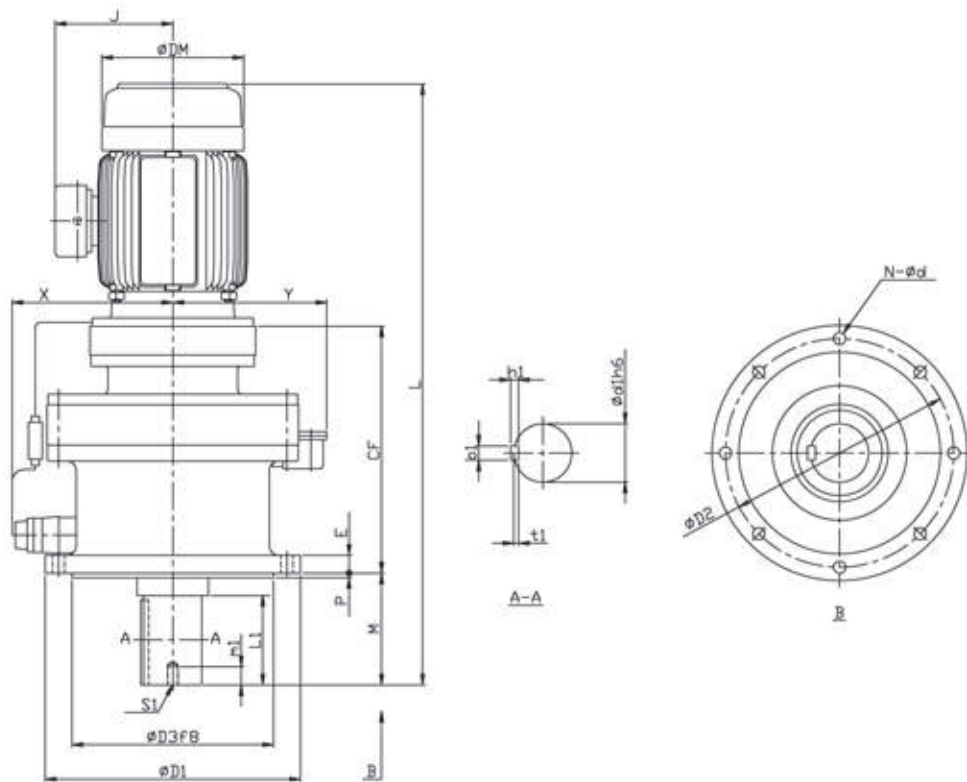
(kW)	Model	Dim. Of side											Output shaft		WT (kg)	
		L	J	DM	D1	D3	CF	E	P	M	D2	N	d1	b1×h1×t1		
0.4	KDVM-05-8818/10	734	162	162												184
0.75	KDVM-1-8818/10	734	162	177	430	345	364	22	5	110	390	8-φ18	φ80	22×14×9	184	
1.5	KDVM-2-8818/10	789	178	200											186	
2.2	KDVM-3-8818/10	820	199	219											202	
0.75	KDVM-1-8818/13	756	162	177											203	
1.5	KDVM-2-8818/13	811	178	200											205	
2.2	KDVM-3-8818/13	842	199	219	430	345	356	22	5	110	390	8-φ18	φ80	22×14×9	221	
3.7	KDVM-5-8818/13	826	216	238											226	
5.5	KDVM-8-8818/13	870	236	273											253	
7.5	KDVM-10-8818/13	908	236	273											260	
0.4	KDVM-05-8819/11	816	162	162											258	
0.75	KDVM-1-8819/11	816	162	177											258	
1.5	KDVM-2-8819/11	871	178	200	490	400	411	30	6	145	450	12-φ18	φ95	25×14×9	260	
2.2	KDVM-3-8819/11	902	199	219											276	
3.7	KDVM-5-8819/11	883	216	238											280	
0.75	KDVM-1-8819/13	832	162	177											268	
1.5	KDVM-2-8819/13	887	178	200											270	
2.2	KDVM-3-8819/13	918	199	219	490	400	427	30	6	145	450	12-φ18	φ95	25×14×9	286	
3.7	KDVM-5-8819/13	902	216	238											290	
5.5	KDVM-8-8819/13	946	236	273											318	
7.5	KDVM-10-8819/13	984	236	273											325	
0.4	KDVM-05-8820/11	857	162	162											279	
0.75	KDVM-1-8820/11	857	162	177											279	
1.5	KDVM-2-8820/11	912	178	200	455	355	393	30	5	204	405	8-φ22	φ100	28×16×10	281	
2.2	KDVM-3-8820/11	943	199	219											297	
3.7	KDVM-5-8820/11	924	216	238											301	
0.75	KDVM-1-8820/13	884	162	177											293	
1.5	KDVM-2-8820/13	939	178	200											295	
2.2	KDVM-3-8820/13	970	199	219	455	355	420	30	5	204	405	8-φ22	φ100	28×16×10	311	
3.7	KDVM-5-8820/13	954	216	238											315	
5.5	KDVM-8-8820/13	998	236	273											343	
7.5	KDVM-10-8820/13	1036	236	273											350	
0.75	KDVM-1-8821/13	910	162	177											373	
1.5	KDVM-2-8821/13	965	178	200											375	
2.2	KDVM-3-8821/13	996	199	2198	490	390	447	35	7	203	440	8-φ24	φ110	28×16×10	391	
3.7	KDVM-5-8821/13	980	216	238											395	
5.5	KDVM-8-8821/13	1024	236	273											423	
7.5	KDVM-10-8821/13	1062	236	273											430	
2.2	KDVM-2-8821/16	1021	199	219											411	
3.7	KDVM-3-8821/16	1008	216	238											415	
5.5	KDVM-5-8821/16	1054	236	273	490	390	472	35	7	203	440	8-φ24	φ110	28×16×10	443	
7.5	KDVM-8-8821/16	1092	236	273											450	
11	KDVM-10-8821/16	1167	301	334											501	

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● KDVM 8822/13 ~ 8823/18



● KDVM 8824/16 ~ 8826/19



※주의 전체길이 "L"은 모터의 연결방식과 Brake부착에 따라 다소 길어짐.

(kW)	Model	Dim. Of side											Output shaft		WT (kg)	
		L	J	DM	D1	D3	CF	E	P	M	D2	N	d1	b1×h1×t1		
0.75	KDVM-1-8822/13	952	162	177												446
1.5	KDVM-2-8822/13	1007	178	200												448
2.2	KDVM-3-8822/13	1038	199	219												464
3.7	KDVM-5-8822/13	1022	216	238	535	415	482	35	10	210	475	8-φ27	φ120	32×18×11	468	
5.5	KDVM-8-8822/13	1066	236	273												496
7.5	KDVM-10-8822/13	1104	236	272												503
3.7	KDVM-5-8822/17	1080	216	238												513
5.5	KDVM-8-8822/17	1114	236	273												541
7.5	KDVM-10-8822/17	1152	236	273	535	415	525	35	10	210	475	8-φ27	φ120	32×18×11	548	
11	KDVM-15-8822/17	1227	301	334												599
15	KDVM-20-8822/17	1271	301	334												607
2.2	KDVM-3-8823/16	1124	199	219												570
3.7	KDVM-5-8823/16	1111	216	238												574
5.5	KDVM-8-8823/16	1157	236	273												602
7.5	KDVM-10-8823/16	1195	236	273	570	450	529	40	10	250	510	8-φ27	φ130	32×18×11	609	
11	KDVM-15-8823/16	1270	301	334												660
15	KDVM-20-8823/16	1314	301	334												668
7.5	KDVM-10-8823/18	1226	236	273												642
11	KDVM-15-8823/18	1294	301	334												693
15	KDVM-20-8823/18	1338	301	334	570	450	551	40	10	250	510	8-φ27	φ130	32×18×11	715	
18.5	KDVM-25-8823/18	1361	325	382												718
22	KDVM-30-8823/18	1361	325	382												718
2.2	KDVM-3-8824/16	1162	199	219												657
3.7	KDVM-5-8824/16	1149	216	236												664
5.5	KDVM-8-8824/16	1195	236	273												692
7.5	KDVM-10-8824/16	1233	236	273	635	485	566	40	10	250	560	8-φ33	φ140	36×20×12	699	
11	KDVM-15-8824/16	1308	301	334												750
15	KDVM-20-8824/16	1352	301	334												758
7.5	KDVM-10-8824/18	1263	236	273												729
11	KDVM-15-8824/18	1331	301	334												780
15	KDVM-20-8824/18	1375	301	334	635	485	587	40	10	250	560	8-φ33	φ140	36×20×12	788	
18.5	KDVM-25-8824/18	1398	325	382												812
22	KDVM-30-8824/18	1398	325	382												812
3.7	KDVM-5-8825/17	1301	216	238												975
5.5	KDVM-8-8825/17	1335	236	273												1003
7.5	KDVM-10-8825/17	1373	236	273												1010
11	KDVM-15-8825/17	1448	301	334	685	535	661	45	10	295	610	8-φ33	φ160	40×22×13	1061	
15	KDVM-20-8825/17	1492	301	334												1069
18.5	KDVM-25-8825/17	1517	325	382												1105
22	KDVM-30-8825/17	1517	325	382												1105
7.5	KDVM-10-8825/19	1401	236	273												1001
11	KDVM-15-8825/19	1476	301	334												1136
15	KDVM-20-8825/19	1520	301	334												1144
18.5	KDVM-25-8825/19	1539	325	382	685	535	684	45	10	295	610	8-φ33	φ160	40×22×13	1181	
22	KDVM-30-8825/19	1539	325	382												1181
30	KDVM-40-8825/19	1577	316	382												1195
5.5	KDVM-8-8826/19	1473	236	273												1358
7.5	KDVM-10-8826/19	1511	236	273												1365
11	KDVM-15-8826/19	1586	301	334												1416
15	KDVM-20-8826/19	1630	301	334												1424
18.5	KDVM-25-8826/19	1649	325	382	750	570	728	50	10	360	660	8-φ39	φ170	40×22×13	1451	
22	KDVM-30-8826/19	1649	325	382												1451
30	KDVM-40-8826/19	1687	316	382												1465
37	KDVM-50-8826/19	1750	364	420												1560

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