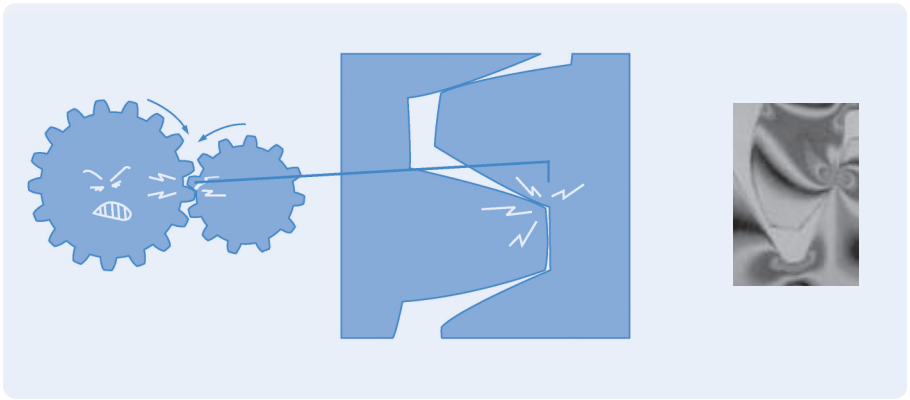
특징
Features

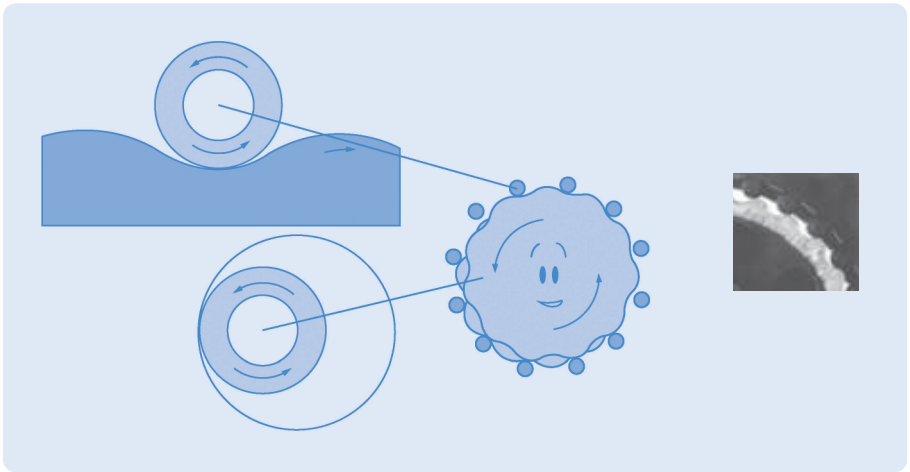
01 인볼류트 기어

맞물림율이 적기때문에
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.

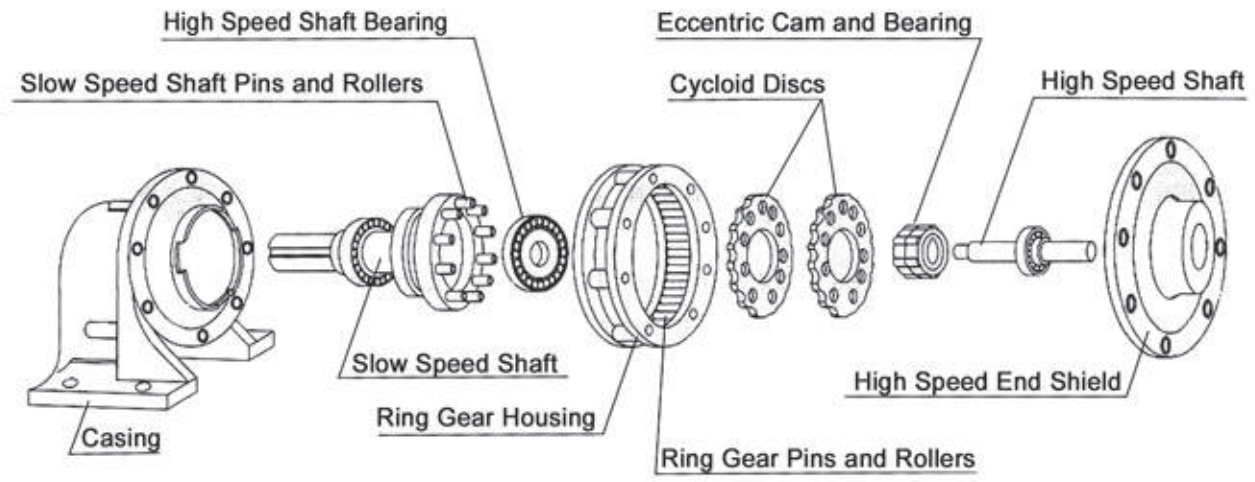
1단에서 1/6 ~ 1/119의 감속과 2단, 3단으로 수천에서 수십만 분의 1 감속을 할 수 있어
소형이고 경량화 하였습니다.
Single stage reduction ratios are available from 6 : 1 to 119 : 1, double stage up to 7,569 : 1 and triple stage up to almost 1,000,000 : 1. Fewer stages provide a much smaller footprint and envelope.

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.



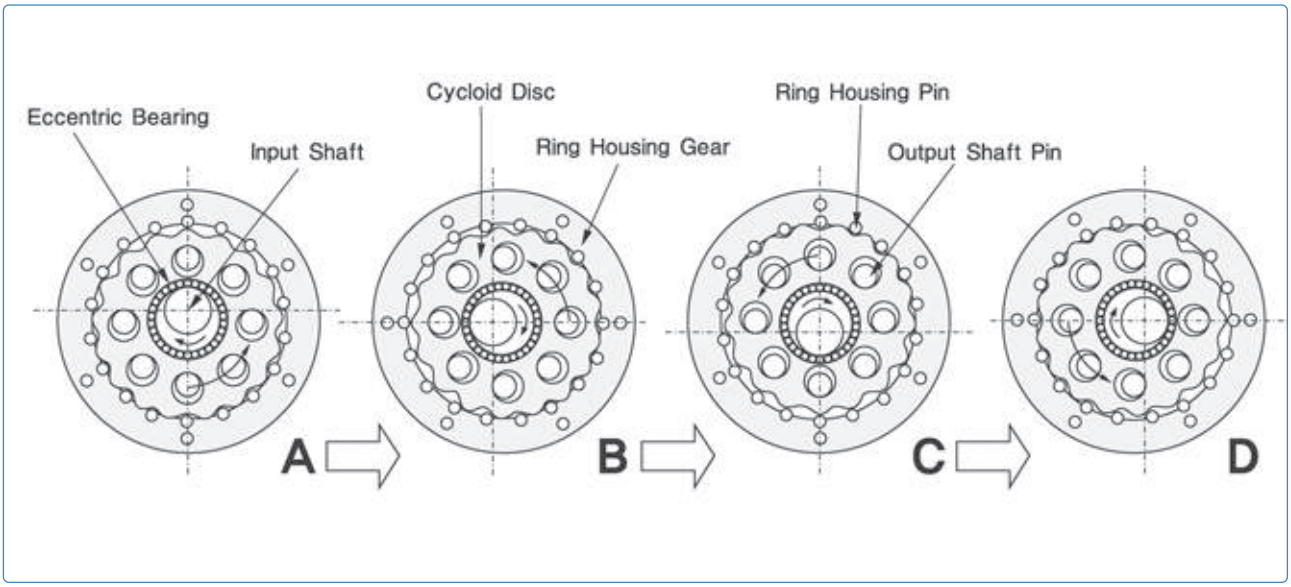
구조 및 원리
Principle of Operation

싸이크로이드 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 토오크는 편심캠의 운동으로 회전하고 그 운동으로 링기어 하우징의 내부 곡선판을 회전 시킨다. 링기어 하우징에 고정되어 있는 핀과 접촉하는 곡선판의 회전으로 출력축이 반대 방향으로 회전하게 된다. 편심캠 1회전시 곡선판 1개 잇수만큼 이동하게 되고, 곡선판 내부 홀에 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.)

성능 및 선정표(4P)1단

Selection & Performance table - Single Reduction - 4P

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model
	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	Motor(HP)-Frame-Ratio
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
					262	3.32			248	3.35	05-8809-6
	0.75	1		2.70	262	1.77		2.25	248	1.79	1-8809-6
					415	2.95			390	3.01	1-8810-6
	1.5	2		5.40	415	1.47		4.50	390	1.51	2-8810-6
					516	3.31			487	3.25	2-8811-6
	2.2	3		7.92	415	1.00		6.60	390	1.03	3-8810-6
					516	2.25			487	2.22	3-8811-6
	3.7	5		13.3	516	1.34		11.1	487	1.32	5-8811-6
					519	1.79			487	1.83	5-8812-6
					601	2.69			568	2.69	5-8813-6
	5.5	7.5		19.8	519	1.20		16.5	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
					289	3.38			272	3.35	05-8809-8
	0.75	1		3.60	289	1.80		3.30	272	1.79	1-8809-8
					455	3.63			429	3.68	1-8810-8
	1.5	2		7.20	455	1.81		6.00	429	1.84	2-8810-8
					570	3.34			537	3.34	2-8811-8
	2.2	3		10.6	455	1.24		8.80	429	1.25	3-8810-8
					570	2.28			537	2.28	3-8811-8
	3.7	5		17.8	570	1.36		14.8	537	1.35	5-8811-8
					571	1.84			540	1.83	5-8812-8
					659	2.70			624	2.70	5-8813-8
	5.5	7.5		26.4	570	1.24		22.0	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
	15	20		72.0	1072	1.19		60.0	1012	1.19	20-8816-8

성능 및 선정표(4P)1단
Selection & Performance table – Single Reduction – 4P

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model
	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	Motor(HP)-Frame-Ratio
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		2.20	161	1.00	05-8808-11
					325	3.05			309	3.02	05-8809-11
	0.75	1		4.95	325	1.63		4.12	309	1.61	1-8809-11
					506	3.62			476	3.60	1-8810-11
	1.5	2		9.90	506	1.81		8.25	476	1.80	2-8810-11
					634	3.35			597	3.32	2-8811-11
	2.2	3		14.5	506	1.24		12.1	476	1.23	3-8810-11
					634	2.29			597	2.26	3-8811-11
	3.7	5		24.4	634	1.36		20.4	597	1.34	5-8811-11
					735	2.62			692	2.64	5-8813-11
	5.5	7.5		36.3	735	1.76		30.2	692	1.78	8-8813-11
	7.5	10		49.5	735	1.29		41.2	692	1.30	10-8813-11
					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		60.5	1070	1.17	15-8815-11
					1198	1.64			1122	1.62	15-8816-11
	15	20		99.0	1198	1.21		82.5	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		102	1322	1.45	25-8817-11
					1888	1.74			1780	1.75	25-8818-11
	22	30		145	1407	1.23		121	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		165	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		204	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		248	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		302	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
	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	Motor(HP)-Frame-Ratio
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		2.60	170	1.00	05-8808-13
					334	3.00			325	3.00	05-8809-13
	0.75	1		5.85	334	1.60		4.88	325	1.60	1-8809-13
					534	3.54			505	3.52	1-8810-13
	1.5	2		11.7	534	1.77		9.75	505	1.76	2-8810-13
					670	3.25			634	3.24	2-8811-13

성능 및 선정표(4P)1단
Selection & Performance table – Single Reduction – 4P

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model
	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	Motor(HP)-Frame-Ratio
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		24.0	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
	22	30		172	1478	1.21		143	1407	1.22	30-8817-13
					1995	1.50			1884	1.50	30-8818-13
					2793	1.81			2632	1.92	30-8819-13
	30	40		234	1995	1.10		195	1884	1.10	40-8818-13
					2793	1.33			2632	1.41	40-8819-13
	37	50		289	2793	1.08		241	2632	1.14	50-8819-13

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model
	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	Motor(HP)-Frame-Ratio
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
	7.5	10		67.5	818	1.02		56.2	765	1.01	10-8813-15
					1060	1.22			1010	1.22	10-8814-15
					1241	1.32			1170	1.32	10-8815-15
					1333	1.97			1240	1.99	10-8816-15
	11	15		99.0	1333	1.36		82.5	1240	1.26	15-8816-15
					1565	2.08			1470	2.07	20-8817-15
	15	20		135	1333	1.00		113	1240	1.00	20-8816-15
					1565	1.53			1470	1.52	20-8817-15
					2100	2.02			1970	2.00	20-8818-15
	18.5	25		167	1565	1.24		139	1470	1.23	25-8817-15
					2100	1.64			1970	1.62	25-8818-15
	22	30		198	1565	1.04		165	1470	1.04	30-8817-15
					2100	1.38			1970	1.36	30-8818-15
					2940	1.94			2750	1.93	30-8819-15

성능 및 선정표(4P)1단
Selection & Performance table – Single Reduction – 4P

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model
	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	Motor(HP)-Frame-Ratio
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		278	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	3760	1.29		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	4790	1.30		412	4530	1.29	75-8821-15
					5040	1.64			4770	1.64	75-8822-15
	75	100		675	5040	1.20		562	4770	1.20	100-8822-15

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

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model
	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	Motor(HP)-Frame-Ratio
21	0.2	1/4	71	2.52	110	1.00	89	2.10	110	1.00	02-8807-21

성능 및 선정표(4P)1단

Selection & Performance table – Single Reduction – 4P

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model
	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	Motor(HP)-Frame-Ratio
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
					340	2.48			340	2.50	05-8809-21
	0.75	1		9.45	340	1.32		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
					787	2.69			740	2.67	2-8811-21
	2.2	3		27.7	787	1.83		23.1	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
					1480	2.40			1390	2042	8-8816-21
	7.5	10		94.5	1480	1.76		78.8	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
					3270	1.95			3080	1.96	25-8819-21
	22	30		277	2340	1.22		231	2200	1.22	30-8818-21
					3270	1.64			3080	1.64	30-8819-21
	30	40		378	3270	1.20		315	3080	1.21	40-8819-21
					4160	1.54			3940	1.53	40-8820-21
					5300	1.98			5010	1.98	40-8821-21
	37	50		466	3270	1.00		388	3080	1.00	50-8819-21
					4160	1.25			3940	1.24	50-8820-21
					5300	1.93			5010	1.91	50-8821-21
					5580	2.44			5280	2.43	50-8822-21
	45	60		567	4160	1.03		472	3940	1.02	60-8820-21
					5300	1.58			5010	1.58	60-8821-21
					5580	2.00			5280	2.00	60-8821-21
	55	75		693	5300	1.30		578	5010	1.29	75-8821-21
					5580	1.64			5280	1.64	75-8822-21

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model
	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	Motor(HP)-Frame-Ratio
25	0.2	1/4	60	3.00	180	1.25	72	2.50	180	1.25	02-8808-25
					340	3.75			340	3.75	02-8809-25
	0.4	1/2		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
	2.2	3		33.0	835	1.45		27.5	785	1.45	3-8811-25
					835	1.52			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
					1580	2.11			1470	2.11	8-8816-25
	7.5	10		113	1580	1.55		93.8	1470	1.55	10-8816-25
					1855	2.07			1740	2.08	10-8817-25

성능 및 선정표(4P)1단
Selection & Performance table – Single Reduction – 4P

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model
	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	Motor(HP)-Frame-Ratio
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		188	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		231	2330	1.23	25-8818-25
					3490	1.86			3260	1.85	25-8819-25
	22	30		330	2490	1.04		275	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
	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	Motor(HP)-Frame-Ratio
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
	0.4	1/2		6.96	340	1.68		5.80	340	1.70	05-8809-29
	0.75	1		13.0	550	1.84		10.9	550	1.84	1-8810-29
	1.5	2		26.1	876	1.90		21.8	824	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
	18.5	25		322	2610	1.00		268	2458	1.00	25-8818-29
					3650	1.63			3430	1.62	25-8819-29
					4580	2.11			4340	2.11	25-8820-29
	22	30		383	3650	1.37		319	3430	1.36	30-8819-29
					4580	1.78			4340	1.77	30-8820-29
	30	40		522	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

성능 및 선정표(4P)1단
Selection & Performance table – Single Reduction – 4P

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model
	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	Motor(HP)-Frame-Ratio
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
	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	Motor(HP)-Frame-Ratio
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
					1600	1.75			1590	1.75	3-8815-43
	3.7	5		95.5	1600	1.04		79.6	1590	1.04	5-8815-43
					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	2081	1.24	10-8817-43
					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

성능 및 선정표(4P)1단
Selection & Performance table – Single Reduction – 4P

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model
	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	Motor(HP)-Frame-Ratio
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	1.12	25-8819-43
					5150	1.48			4897	1.46	25-8820-43
					6565	2.02			6220	2.00	25-8821-43
	22	30		568	5150	1.24		473	4897	1.23	30-8820-43
					6565	1.70			6220	1.69	30-8821-43
					6910	2.08			6562	2.08	30-8822-43
	30	40		774	6565	1.24		645	6220	1.24	40-8821-43
					6910	1.52			6562	1.52	40-8822-43
	37	50		955	6565	1.01		796	6220	1.00	50-8821-43
					6910	1.24			6562	1.24	50-8822-43
	45	60		1161	6910	1.02		968	6562	1.02	60-8822-43

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model
	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	Motor(HP)-Frame-Ratio
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	1.65	05-8810-51
	0.75	1		23.0	880	2.21		19.1	880	2.49	1-8811-51
	1.5	2		45.9	880	1.11		38.2	880	1.25	2-8811-51
					1220	1.67			1150	1.68	2-8813-51
	2.2	3		67.3	1220	1.14		56.1	1150	1.14	3-8813-51
					1500	1.35			1460	1.34	3-8814-51
					1600	1.51			1600	1.55	3-8815-51
					1990	2.59			1880	2.58	3-8816-51
	3.7	5		113	1990	1.54		94.4	1880	1.53	5-8816-51
					2340	2.25			2200	2.86	5-8817-51
	5.5	7.5		168	1990	1.04		140	1880	1.03	8-8816-51
					2340	1.52			2200	1.51	8-8817-51
					3150	2.07			2985	2.07	8-8818-51
	7.5	10		230	2340	1.11		191	2200	1.11	10-8817-51
					3150	1.52			2985	1.52	10-8818-51
					4400	2.39			4150	2.40	10-8819-51
	11	15		337	3150	1.04		280	2985	1.04	15-8818-51
					4400	1.63			4150	1.64	15-8819-51
	15	20		459	4400	1.19		383	4150	1.20	20-8819-51

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model
	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	Motor(HP)-Frame-Ratio
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	05-8810-59
					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
	2.2	3		77.9	1500	1.27		64.9	1500	1.29	3-8814-59
					1600	1.28			1600	1.32	3-8815-59

성능 및 선정표(4P)1단

Selection & Performance table – Single Reduction – 4P

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model
	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	Motor(HP)-Frame-Ratio
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	1.32	5-8816-59
					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
					7265	1.85			4400	1.85	20-8821-59
	18.5	25		655	5700	1.03		546	5410	1.04	25-8820-59
					7265	1.50			6890	1.50	25-8821-59
					7640	1.80			7250	1.80	25-8822-59
	22	30		779	7265	1.26		649	6890	1.26	30-8821-59
					7640	1.52			7250	1.51	30-8822-59
	30	40		1062	7640	1.11		885	7250	1.11	40-8822-59

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model
	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	Motor(HP)-Frame-Ratio
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
					1350	2.40			1295	2.43	1-8813-71
	1.5	2		63.9	1350	1.20		53.2	1295	1.21	2-8813-71
					1500	1.41			1500	1.40	2-8814-71
					1600	1.45			1600	1.45	2-8815-71
					2000	2.73			2000	2.73	2-8816-71
	2.2	3		93.7	1600	1.00		78.1	1600	1.00	3-8815-71
					2000	1.86			2000	1.86	3-8816-71
	3.7	5		158	2000	1.10		131	2000	1.11	5-8816-71
					2680	1.62			2490	1.62	5-8817-71
	5.5	7.5		234	2680	1.09		195	2460	1.09	8-8817-71
					3590	1.34			3330	1.33	8-8818-71
					5020	2.44			4660	2.44	8-8819-71
	7.5	10		320	3590	1.00		266	3330	1.00	10-8818-71
					5020	1.79			4660	1.79	10-8819-71
	11	15		469	5020	1.22		391	4660	1.22	10-8819-71

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model
	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	Motor(HP)-Frame-Ratio
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

성능 및 선정표(4P)1단
Selection & Performance table – Single Reduction – 4P

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model
	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	Motor(HP)-Frame-Ratio
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
	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	Motor(HP)-Frame-Ratio
119	0.2	1/4	13	14.6	550	1.25	15	12.2	550	1.20	02-8810-119

성능 및 선정표(4P)2단
Selection & Performance table – Double Reduction – 4P

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model
	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	Motor(HP)-Frame-Ratio
104 (13 x8)	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
				22.7	880	2.10		19.0	880	2.42	05-8811/09-104
	0.75	1		42.6	880	1.12		35.5	880	1.29	1-8811/09-104
				42.6	1365	1.80		35.5	1365	2.16	1-8813/10-104
	1.5	2		77.0	1365	<1.0		71.1	1365	1.08	2-8813/10-104
				85.3	2050	1.61		71.1	2050	2.25	2-8816/10-104
	2.2	3		77.0	1365	<1.0		77.0	1365	<1.0	3-8813/10-104
				103	1500	<1.0		102	1500	<1.0	3-8814/10-104
				125	2050	1.46		104	2050	1.74	3-8816/11-104
	3.7	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
	5.5	7.5		278	2900	<1.0		241	2900	<1.0	8-8817/11-104
				313	3800	1.25		260	3800	1.54	8-8818/13-104
	7.5	10		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
	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	Motor(HP)-Frame-Ratio
121 (11 x11)	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
				26.4	880	1.90		22.0	880	2.12	05-8811/09-121
	0.75	1		49.6	880	1.01		41.3	880	1.13	1-8811/09-121
				49.6	1370	1.41		41.3	1365	1.63	1-8813/09-121
	1.5	2		77.0	1370	<1.0		77.0	1365	<1.0	2-8813/10-121
				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
	2.2	3		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
				146	2950	1.75		121	2900	2.11	3-8817/11-121
	3.7	5		183	2100	<1.0		182	2050	<1.0	5-8816/11-121
				245	2950	1.04		204	2900	1.25	5-8817/11-121
				245	3800	1.37		204	3800	1.65	5-8818/13-121
	5.5	7.5		255	2950	<1.0		256	2900	<1.0	8-8817/11-121
				335	3950	<1.0		303	3800	1.11	8-8818/13-121
				364	5300	1.56		303	5300	1.75	8-8819/13-121
	7.5	10		496	5300	1.15		413	5300	1.28	10-8819/13-121
				496	7100	1.16		413	6650	1.32	10-8820/13-121
				496	8850	1.48		413	8470	1.72	10-8821/16-121
	11	15		728	8850	1.01		606	8470	1.17	15-8821/16-121
				728	10450	1.32		606	8910	1.47	15-8822/17-121
	15	20		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
	18.5	25		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 출력허용토오크를 최대로 사용하지 말것.(Do not use Max. torque & input capacity at S.F 〈1)

성능 및 선정표(4P)2단
Selection & Performance table – Double Reduction – 4P

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model
	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	Motor(HP)-Frame-Ratio
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	50-8826/19-121

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model
	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	Motor(HP)-Frame-Ratio
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
	2.2	3		172	2050	1.06		143	2050	1.25	3-8816/10-143
				172	2050	1.06		143	2050	1.27	3-8816/11-143
				172	2900	1.62		143	2900	1.92	3-8817/11-143
	3.7	5		183	2050	<1.0		182	2050	<1.0	5-8816/11-143
				278	2900	<1.0		241	2900	1.14	5-8817/11-143
				289	3900	1.39		241	3800	1.66	5-8818/13-143
	5.5	7.5		401	3900	<1.0		358	3800	1.12	8-8818/13-143
				430	5300	1.42		358	5300	1.59	8-8819/13-143
	7.5	10		586	5300	1.04		488	5300	1.17	10-8819/13-143

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model
	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	Motor(HP)-Frame-Ratio
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
				36.1	880	1.40		30.1	880	1.70	05-8811/09-165
	0.75	1		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
	1.5	2		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
				135	2050	1.35		113	2050	1.61	2-8816/10-165
	2.2	3		183	2050	<1.0		165	2050	1.10	3-8816/10-165
				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 출력허용토오크를 최대로 사용하지 말것.(Do not use Max, torque & input capacity at S.F 〈1)

성능 및 선정표(4P)2단
Selection & Performance table – Double Reduction – 4P

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model
	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	Motor(HP)-Frame-Ratio
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
	7.5	10		610	5300	<1.0		564	5300	1.01	10-8819/13-165
				677	7050	1.03		564	7050	1.19	10-8820/13-165
				677	8810	1.26		564	8780	1.32	10-8821/13-165
	11	15		855	8810	<1.0		827	8780	1.03	15-8821/16-165
				992	10400	1.11		827	9950	1.33	15-8822/17-165
				992	12900	1.41		827	12200	1.64	15-8823/16-165
	15	20		1100	10400	<1.0		1100	9950	<1.0	20-8822/17-165
				1353	12900	1.03		1127	12200	1.21	20-8823/16-165
				1353	14400	1.21		1127	13600	1.21	20-8824/16-165
	18.5	25		1400	12900	<1.0		1360	12200	<1.0	25-8823/18-165
				1669	14400	1.09		1390	13600	1.30	25-8824/18-165
				1669	17600	1.38		1390	16600	1.73	25-8825/19-165
	22	30		1400	12900	<1.0		1360	12200	<1.0	30-8823/18-165
				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
	37	50		3050	21400	<1.0		2781	20350	1.05	50-8826/19-165

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model
	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	Motor(HP)-Frame-Ratio
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
				42.6	1365	1.72		35.5	1365	2.18	05-8813/09-195
	0.75	1		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
				80.0	1500	1.29		66.6	1500	1.55	1-8814/10-195
	1.5	2		103	1500	<1.0		103	1500	<1.0	2-8814/10-195
				160	2050	1.15		133	2050	1.37	2-8816/10-195
				160	2900	1.61		133	2900	1.79	2-8817/10-195
	2.2	3		183	2050	<1.0		183	2050	<1.0	3-8816/10-195
				234	2900	1.10		195	2900	1.22	3-8817/10-195
				234	2900	1.19		195	2900	1.41	3-8817/11-195
				234	4000	1.75		195	3950	2.10	3-8818/13-195
	3.7	5		278	2900	<1.0		278	2900	<1.0	5-8817/11-195
				394	4000	1.04		329	3950	1.25	5-8818/13-195
				394	5400	1.29		329	5300	1.52	5-8819/11-195
	5.5	7.5		410	4000	<1.0		410	3800	<1.0	8-8818/13-195
				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 출력허용토오크를 최대로 사용하지 말것.(Do not use Max, torque & input capacity at S.F 〈1)

성능 및 선정표(4P)2단
Selection & Performance table – Double Reduction – 4P

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model
	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	Motor(HP)-Frame-Ratio
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
	22	30		1810	15300	<1.0		1810	14300	<1.0	30-8824/18-195
				2300	19100	<1.0		1954	17500	1.20	30-8825/17-195
				2345	23200	1.30		1954	21300	1.58	30-8826/19-195
	30	40		3050	23200	<1.0		2665	21300	1.16	40-8826/19-195

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model
	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	Motor(HP)-Frame-Ratio
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
	1.5	2		183	2050	<1.0		158	2050	1.16	2-8816/10-231
				189	2900	1.47		158	2900	1.76	2-8817/10-231
	2.2	3		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
	3.7	5		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
	7.5	10		730	7000	<1.0		735	8000	<1.0	10-8820/13-231
				947	8800	1.02		790	8800	1.22	10-8821/13-231
				947	11900	1.32		798	10900	1.32	10-8822/13-231
	11	15		965	8800	<1.0		968	8800	<1.0	15-8821/16-231
				1275	11900	<1.0		1158	10900	1.08	15-8822/17-231
				1389	14000	1.14		1158	13800	1.31	15-8823/16-231
				1389	16000	1.45		1158	15300	1.65	15-8824/16-231
	15	20		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 출력허용토오크를 최대로 사용하지 말것.(Do not use Max, torque & input capacity at S.F 〈1)

성능 및 선정표(4P)2단
Selection & Performance table – Double Reduction – 4P

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model
	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	Motor(HP)-Frame-Ratio
231 (21×11)	15	20	6.5	1894	19400	1.40	7.8	1578	19100	1.68	20-8825/17-231
	18.5	25		2050	16000	<1.0		1947	153000	1.03	25-8824/18-231
				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
				2778	23700	1.24		2315	23200	1.43	30-8826/19-231
	30	40		2650	19400	<1.0		2650	19100	<1.0	40-8825/19-231
				3460	23700	<1.0		3157	23200	1.05	40-8826/19-231
	37	50		3460	23700	<1.0		3304	23200	<1.0	50-8826/19-231

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model
	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	Motor(HP)-Frame-Ratio
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
				112	2050	1.64		93.3	2050	1.96	1-8816/10-273
	1.5	2		183	2050	<1.0		183	2050	<1.0	2-8816/10-273
				224	2900	1.24		186	2900	1.49	2-8817/10-273
				224	4000	1.80		186	4000	1.78	2-8818/10-273
	2.2	3		278	2900	<1.0		274	2900	1.02	3-8817/10-273
				338	4000	1.23		274	4000	1.21	3-8818/10-273
				338	4000	1.25		274	4000	1.50	3-8818/13-273
	3.7	5		410	4000	<1.0		410	4000	<1.0	5-8818/13-273
				552	5400	1.05		460	5400	1.17	5-8819/11-273
				552	5400	1.32		460	5400	1.59	5-8819/13-273
	5.5	7.5		730	5400	<1.0		684	5400	1.07	8-8819/13-273
				821	8800	1.18		684	8800	1.42	8-8821/13-273
				821	12000	1.55		684	11900	1.71	8-8822/13-273
	7.5	10		965	8800	<1.0		933	8800	1.04	10-8821/13-273
				1119	12000	1.14		933	11900	1.36	10-8822/17-237
				1119	15000	1.44		933	14000	1.69	10-8823/16-273
	11	15		1275	12000	<1.0		1268	11900	<1.0	15-8822/17-273
				1620	15000	<1.0		1368	14000	1.15	15-8823/16-273
				1642	16700	1.24		1368	16000	1.47	15-8824/16-273
	15	20		2050	16700	<1.0		1865	16000	1.08	20-8824/16-273
				2239	20400	1.19		1965	19400	1.42	20-8825/17-273
				2239	24900	1.56		1965	23700	1.86	20-8826/19-273
	18.5	25		2650	20400	<1.0		2325	19400	1.15	25-8825/17-273
				2761	24900	1.26		2330	23700	1.51	25-8826/19-273
	22	30		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 출력허용토오크를 최대로 사용하지 말것.(Do not use Max, torque & input capacity at S.F 〈1)

성능 및 선정표(4P)2단
Selection & Performance table – Double Reduction – 4P

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model
	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	Motor(HP)-Frame-Ratio
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
				69.8	1500	1.48		58.1	1500	1.78	05-8814/09-319
	0.75	1		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
				131	2050	1.40		109	2050	1.65	1-8816/09-319
	1.5	2		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
	3.7	5		410	4000	<1.0		410	4000	<1.0	5-8818/13-319
				645	5400	1.13		538	5400	1.31	5-8819/13-319
				645	8800	1.49		538	8800	1.79	5-8821/13-319
	5.5	7.5		730	5400	<1.0		703	5400	<1.0	8-8819/13-319
				959	8800	1.04		799	8800	1.21	8-8821/13-319
				959	12300	1.33		799	12000	1.55	8-8822/13-319
	7.5	10		965	8800	<1.0		965	8800	<1.0	10-8821/13-319
				1275	12300	<1.0		1090	12000	1.13	10-8822/13-319
				1308	15400	1.20		1090	1000	1.39	10-8823/16-319
	11	15		1275	12300	<1.0		1238	12000	<1.0	15-8822/17-319
				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
	15	20		2030	17000	<1.0		1970	16700	<1.0	20-8824/18-319
				2616	21000	1.01		2200	20400	1.21	20-8825/17-319
				2616	25700	1.34		2200	24900	1.53	20-8826/19-319
	18.5	25		2650	21000	<1.0		2650	20300	<1.0	25-8825/17-319
				3226	25700	1.09		2688	24900	1.24	25-8826/19-319
				3226	20000	1.83		2688	20000	2.05	25-8827/19-319
	22	30		3500	25700	<1.0		3197	24900	1.04	30-8826/19-319
				3836	20000	1.54		3197	20000	1.72	30-8827/19-319
	30	40		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
	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	Motor(HP)-Frame-Ratio
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
				82.4	1500	1.25		69.5	1500	1.50	05-8814/09-377
	0.75	1		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 출력허용토오크를 최대로 사용하지 말것.(Do not use Max, torque & input capacity at S.F 〈1)

성능 및 선정표(4P)2단
Selection & Performance table – Double Reduction – 4P

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model
	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	Motor(HP)-Frame-Ratio
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
	3.7	5		730	5400	<1.0		645	5400	1.15	5-8819/13-377
				762	8800	1.26		645	8800	1.53	5-8821/13-377
	5.5	7.5		730	5400	<1.0		735	5400	<1.0	8-8819/13-377
				965	8800	<1.0		960	8800	1.03	8-8821/13-377
				1134	13200	1.12		960	12300	1.32	8-8822/17-377
				1134	16300	1.43		965	15400	1.65	8-8823/16-377
	7.5	10		1275	13200	<1.0		1290	12300	<1.0	10-8822/17-377
				1546	16300	1.05		1300	15400	1.21	10-8823/16-377
				1546	18500	1.33		1300	17000	1.55	10-8824/16/377
	11	15		1620	16300	<1.0		1600	15400	<1.0	15-8823/16-377
				2050	18500	<1.0		1920	17000	1.05	15-8824/16-377
				2267	22000	1.16		1920	21000	1.40	15-8825/17-377
				2267	27300	1.54		1920	25700	1.85	15/8826/19-377
	15	20		2650	22000	<1.0		2595	21000	1.03	20-8825/17-377
				3091	27300	1.13		2605	25700	1.36	20-8826/19-377
				3091	20000	1.99		2605	20000	2.25	20-8827/19-377
	18.5	25		3500	27300	<1.0		3210	25700	1.10	25-8826/19-377
				3813	20000	1.61		3215	20000	1.83	25-8827/19-377
	22	30		3500	27300	<1.0		3520	25700	<1.0	30-8826/19-377
				4534	20000	1.35		3830	20000	1.54	30-8827/19-377
	30	40		6150	20000	<1.0		5220	20000	1.13	40-8827/19-377

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model
	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	Motor(HP)-Frame-Ratio
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
				103	2050	1.78		86.2	2050	2.12	05-8816/09-473
	0.75	1		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 출력허용토오크를 최대로 사용하지 말것.(Do not use Max, torque & input capacity at S.F 〈1)

성능 및 선정표(4P)2단
Selection & Performance table – Double Reduction – 4P

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model
	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	Motor(HP)-Frame-Ratio
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
	15	20		3050	24000	<1.0		3050	22000	<1.0	20-8825/17-473
				3879	27800	1.07		3232	27300	1.23	20-8826/19-473
				3879	20000	1.59		3232	20000	1.78	20-8827/19-473
	18.5	25		4140	27800	<1.0		3986	27300	1.00	25-8826/19-473
				4784	20000	1.29		3986	20000	1.44	25-8827/19-473
	22	30		5689	20000	1.08		4740	20000	1.21	30-8827/19-473
	30	40		6150	20000	<1.0		5753	20000	<1.0	40-8827/19-473

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model
	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	Motor(HP)-Frame-Ratio
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
	0.4	1/2		77.0	1365	<1.0		77.0	1365	<1.0	05-8813/08-559
				103	1500	<1.0		102	1500	1.00	05-8814/08-559
				122	2050	1.50		102	2050	1.80	05-8816/09-559
	0.75	1		183	2050	<1.0		183	2050	<1.0	1-8816/09-559
				229	2900	1.21		191	2900	1.41	1-8817/09-559
				229	4000	1.79		191	4000	2.15	1-8818/10-559
	1.5	2		278	2900	<1.0		277	2900	< 1.0	2-8817/10-559
				410	4000	<1.0		382	4000	1.07	2-8818/10-559
				458	5400	1.33		382	5400	1.56	2-8819/11-559
	2.2	3		610	5400	<1.0		560	5400	1.06	3-8819/11-559
				672	5400	1.09		560	5400	1.30	3-8819/13-559
				672	8000	1.27		560	8000	1.50	3-8820/13-559
	3.7	5		730	5400	<1.0		730	5400	< 1.0	5-8819/13-559
				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
	18.5	25		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 출력허용토오크를 최대로 사용하지 말것.(Do not use Max, torque & input capacity at S.F 〈1)

성능 및 선정표(4P)2단

Selection & Performance table – Double Reduction – 4P

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model
	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	Motor(HP)-Frame-Ratio
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
				1313	14700	1.10		1094	14300	1.31	5-8822/13-649
				1313	18000	1.39		1094	18000	1.62	5-8823/16-649
	5.5	7.5		1440	14700	<1.0		1430	14300	<1.0	8-8822/13-649
				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
	7.5	10		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
	11	15		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
	15	20		4140	27800	<1.0		4000	27800	<1.0	20-8826/19-649
				5322	20000	1.15		4435	20000	1.34	20-8827/19-649
	18.5	25		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
	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	Motor(HP)-Frame-Ratio
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
				160	2900	1.75		133	2900	2.08	05-8817/09-731
	0.75	1		183	2050	<1.0		183	2050	<1.0	1-8816/09-731
				278	2900	<1.0		250	2900	1.11	1-8817/09-731
				300	4000	1.36		250	4000	1.64	1-8818/10-731
	1.5	2		410	4000	<1.0		410	4000	<1.0	2-8818/10-731
				599	5400	1.13		500	5400	1.26	2-8819/11-731
				599	8000	1.47		500	8000	1.68	2-8820/13-731
	2.2	3		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 출력허용토오크를 최대로 사용하지 말것.(Do not use Max, torque & input capacity at S.F 〈1)

성능 및 선정표(4P)2단
Selection & Performance table - Double Reduction - 4P

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model
	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	Motor(HP)-Frame-Ratio
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
	11	15		3050	26000	<1.0		3050	26000	<1.0	15-8825/17-731
				4140	27800	<1.0		3663	27800	1.12	15-8826/19-731
				4396	20000	1.40		3663	20000	1.67	15-8827/19-731
	15	20		4140	27800	<1.0		4100	27800	<1.0	20-8826/19-731
				5994	20000	1.03		4995	20000	1.23	20-8827/19-731
	18.5	25		6150	20000	<1.0		6161	20000	1.00	25-8827/19-731
	22	30		6150	20000	<1.0		6140	20000	<1.0	30-8827/19-731

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model
	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	Motor(HP)-Frame-Ratio
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
	0.75	1		183	2050	<1.0		183	2050	<1.0	1-8816/09-841
				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
	1.5	2		410	4000	<1.0		410	4000	<1.0	2-8818/10-841
				695	5400	1.06		575	5400	1.26	2-8819/11-841
				690	8800	1.47		575	8800	1.67	2-8821/13-841
	2.2	3		730	5400	<1.0		725	5400	<1.0	3-8819/11-841
				1011	8800	1.00		843	8800	1.14	3-8821/13-841
				1011	14700	1.24		843	14700	1.60	3-8822/13-841
	3.7	5		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
				1701	26000	1.58		1418	26000	1.90	5-8825/17-841
	5.5	7.5		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
				2529	27800	1.40		2135	27800	1.71	8-8826/19-841
	7.5	10		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
	11	15		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 출력허용토오크를 최대로 사용하지 말것.(Do not use Max, torque & input capacity at S.F 〈1)

성능 및 선정표(4P)2단
Selection & Performance table – Double Reduction – 4P

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model
	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	Motor(HP)-Frame-Ratio
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
	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	Motor(HP)-Frame-Ratio
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
	0.75	1		278	2900	<1.0		278	2900	<1.0	1-8817/09-1003
				411	4000	1.00		343	4000	1.20	1-8818/10-1003
				411	5400	1.75		343	5400	1.91	1-8819/11-1003
	1.5	2		410	4000	<1.0		410	4000	<1.0	2-8818/10-1003
				720	5400	<1.0		653	5400	<1.0	2-8819/11-1003
				822	8000	1.02		685	8000	1.22	2-8820/13-1003
				822	8800	1.37		685	8800	1.66	2-8821/13-1003
	2.2	3		720	5400	<1.0		653	5400	<1.0	3-8819/11-1003
				840	8000	<1.0		840	8000	<1.0	3-8820/13-1003
				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
	3.7	5		1440	14700	<1.0		1440	14700	<1.0	5-8822/13-1003
				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
	5.5	7.5		2350	21000	<1.0		2350	21000	<1.0	8-8824/16-1003
				3016	26000	1.01		2513	26000	1.21	8-8825/17-1003
				3016	27800	1.37		2513	27800	1.63	8-8826/19-1003
	7.5	10		3050	26000	<1.0		3050	26000	<1.0	10-8825/17-1003
				4112	27800	1.01		3427	27800	1.20	10-8826/19-1003
				4112	2000	1.49		3427	20000	1.79	10-8827/19-1003
	11	15		4140	27800	<1.0		4100	27800	1.0	15-8826/19-1003
				6031	20000	1.02		5026	20000	1.22	15-8827/19-1003
	15	20		6150	20000	<1.0		6140	20000	<1.0	20-8827/19-1003

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model
	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	Motor(HP)-Frame-Ratio
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
	0.4	1/2		183	2050	<1.0		183	2050	<1.0	05-8816/09-1247
				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 출력허용토오크를 최대로 사용하지 말것.(Do not use Max, torque & input capacity at S.F 〈1)

성능 및 선정표(4P)2단
Selection & Performance table – Double Reduction – 4P

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model
	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	Motor(HP)-Frame-Ratio
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
	3.7	5		1420	14700	<1.0		1440	14700	<1.0	5-8822/13-1247
				1825	18000	<1.0		1820	18000	<1.0	5-8823/16-1247
				2350	21000	<1.0		2102	21000	1.12	5-8824/16-1247
				2522	26000	1.21		2102	26000	1.45	5-8825/17-1247
	5.5	7.5		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
	11	15		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
	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	Motor(HP)-Frame-Ratio
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
	0.75	1		410	4000	<1.0		410	4000	<1.0	1-8818/10-1479
				606	5400	1.20		505	5400	1.44	1-8819/11-1479
	1.5	2		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
	3.7	5		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
	7.5	10		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 출력허용토오크를 최대로 사용하지 말것.(Do not use Max, torque & input capacity at S.F 〈1)

성능 및 선정표(4P)2단
Selection & Performance table – Double Reduction – 4P

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model
	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	Motor(HP)-Frame-Ratio
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
	0.75	1		410	4000	<1.0		410	4000	<1.0	1-8818/10-1849
				730	5400	<1.0		632	5400	1.16	1-8819/11-1849
				758	8000	1.07		632	8000	1.28	1-8820/11-1849
	1.5	2		810	8000	<1.0		810	8000	<1.0	2-8820/11-1849
				1140	8800	<1.0		1140	8800	<1.0	2-8821/13-1849
				1440	14700	<1.0		1263	14700	1.14	2-8822/13-1849
	2.2	3		1440	14700	<1.0		1440	14700	<1.0	3-8822/13-1849
				1825	18000	<1.0		1820	18000	<1.0	3-8823/16-1849
				2224	21000	1.05		1853	21000	1.27	3-8824/16-1849
	3.7	5		2350	21000	<1.0		2350	21000	<1.0	5-8824/16-1849
				3050	26000	<1.0		3050	26000	<1.0	5-8825/17-1849
	5.5	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
	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	Motor(HP)-Frame-Ratio
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
				226	2900	1.23		188	2900	1.48	02-8817/09-2065
	0.4	1/2		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
	1.5	2		810	8000	<1.0		795	8000	<1.0	2-8820/11-2065
				1140	8800	<1.0		1140	8800	<1.0	2-8821/13-2065
				1440	14700	<1.0		1411	14700	1.02	2-8822/13-2065
	2.2	3		1440	14700	<1.0		1440	14700	<1.0	3-8822/13-2065
				1825	18000	<1.0		1820	18000	<1.0	3-8823/16-2065
				2350	21000	<1.0		2070	21000	1.14	3-8824/16-2065
	3.7	5		2350	21000	<1.0		2350	21000	<1.0	5-8824/16-2065
				3050	26000	<1.0		3050	26000	<1.0	5-8825/17-2065
	5.5	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 출력허용토오크를 최대로 사용하지 말것.(Do not use Max, torque & input capacity at S.F 〈1)

성능 및 선정표(4P)2단
Selection & Performance table – Double Reduction – 4P

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model
	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	Motor(HP)-Frame-Ratio
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
	1.5	2		810	8000	<1.0		785	8000	<1.0	2-8820/11-2537
				1140	8800	<1.0		1140	8800	<1.0	2-8821/13-2537
				1440	14700	<1.0		1440	14700	<1.0	2-8822/13-2537
	2.2	3		1825	18000	<1.0		1820	18000	<1.0	3-8823/16-2537
				2350	21000	<1.0		2350	21000	<1.0	3-8824/16-2537
	3.7	5		3050	26000	<1.0		3050	26000	<1.0	5-8825/17-2537
	5.5	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
	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	Motor(HP)-Frame-Ratio
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
	1.5	2		955	8800	<1.0		950	8800	<1.0	2-8821/13-3045
				1250	14700	<1.0		1275	14700	<1.0	2-8822/13-3045
	2.2	3		1650	18000	<1.0		1600	18000	<1.0	3-8823/16-3045
				2050	21000	<1.0		2050	21000	<1.0	3-8824/16-3045
	3.7	5		2650	26000	<1.0		2650	26000	<1.0	5-8825/17-3045
	5.5	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
	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	Motor(HP)-Frame-Ratio
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 출력허용토오크를 최대로 사용하지 말것.(Do not use Max, torque & input capacity at S.F 〈1)

성능 및 선정표(4P)2단

Selection & Performance table – Double Reduction – 4P

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model
	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	Motor(HP)-Frame-Ratio
3481 (59 ×59)	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
	2.2	3		1810	18000	<1.0		1810	18000	<1.0	3-8823/16-3481
				2350	21000	<1.0		2350	21000	<1.0	3-8824/16-3481
	3.7	5		3050	26000	<1.0		3050	26000	<1.0	5-8825/17-3481
	5.5	7.5		4100	27800	<1.0		4100	27800	<1.0	8-8826/19-3481
				6150	20000	<1.0		6150	20000	<1.0	8-8827/19-3481
	7.5	10		6150	20000	<1.0		6150	20000	<1.0	10-8827/19-3481

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model
	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	Motor(HP)-Frame-Ratio
4437 (87 ×51)	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
	0.4	1/2		410	4000	<1.0		410	4000	<1.0	05-8818/10-4437
	0.75	1		730	5400	<1.0		730	5400	<1.0	1-8819/11-4437
	1.5	2		950	8800	<1.0		950	8800	<1.0	2-8821/13-4437
				1275	14700	<1.0		1275	14700	<1.0	2-8822/13-4437
	2.2	3		1600	18000	<1.0		1600	18000	<1.0	3-8823/16-4437
				2050	21000	<1.0		2050	21000	<1.0	3-8824/16-4437
	3.7	5		2650	26000	<1.0		2650	26000	<1.0	5-8825/17-4437
	5.5	7.5		3520	27800	<1.0		3520	27800	<1.0	8-8826/19-4437
				6150	20000	<1.0		6150	20000	<1.0	8-8827/19-4437
	7.5	10		6150	20000	<1.0		6150	20000	<1.0	10-8827/19-4437

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model
	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	Motor(HP)-Frame-Ratio
5133 (87 ×59)	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
	0.4	1/2		410	4000	<1.0		410	4000	<1.0	05-8818/10-5133
	0.75	1		730	5400	<1.0		730	5400	<1.0	1-8819/11-5133
				860	8000	<1.0		860	8000	<1.0	1-8820/11-5133
	1.5	2		1140	8800	<1.0		1140	8800	<1.0	2-8821/13-5133
				1440	14700	<1.0		1440	14700	<1.0	2-8822/13-5133
	2.2	3		1810	18000	<1.0		1810	18000	<1.0	3-8823/16-5133
				2350	21000	<1.0		2350	21000	<1.0	3-8824/16-5133
	3.7	5		3050	26000	<1.0		3050	26000	<1.0	5-8825/17-5133
	5.5	7.5		4100	27800	<1.0		4100	27800	<1.0	8-8826/19-5133
				6150	20000	<1.0		6150	20000	<1.0	8-8827/19-5133
	7.5	10		6150	20000	<1.0		6150	20000	<1.0	10-8827/19-5133

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

성능 및 선정표(4P)2단
Selection & Performance table - Double Reduction - 4P

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model
	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	Motor(HP)-Frame-Ratio
6177 (87 x71)	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
	0.75	1		730	5400	<1.0		730	5400	<1.0	1-8819/11-6177
	1.5	2		950	8800	<1.0		950	8800	<1.0	2-8821/13-6177
				1275	14700	<1.0		1275	14700	<1.0	2-8822/13-6177
	2.2	3		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
	5.5	7.5		3520	27800	<1.0		3520	27800	<1.0	8-8826/19-6177
				6150	20000	<1.0		6150	20000	<1.0	8-8827/19-6177
	7.5	10		6150	20000	<1.0		6150	20000	<1.0	10-8827/19-6177

Ratio	Motor		50 Hz(1500rpm)				60 Hz(1800rpm)				Model
	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	Motor(HP)-Frame-Ratio
7569 (87 x87)	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
	0.75	1		730	5400	<1.0		730	5400	<1.0	1-8819/11-7569
	1.5	2		950	8800	<1.0		950	8800	<1.0	2-8821/13-7569
				1275	14700	<1.0		1275	14700	<1.0	2-8822/13-7569
	2.2	3		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
	5.5	7.5		3500	27800	<1.0		3520	27800	<1.0	8-8826/19-7569
				6150	20000	<1.0		6150	20000	<1.0	8-8827/19-7569
	7.5	10		6150	20000	<1.0		6150	20000	<1.0	10-8827/19-7569

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

성능 및 선정표(6P)1단
Selection & Performance table – Single Reduction – 6P

Ratio	Motor		50 Hz(1000rpm)				60 Hz(1200rpm)				Model
	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	Motor(HP)-Frame-Ratio
11	55	75	91	544	6450	1.68	109	454	6100	1.69	75/6-8823-11
	75	100		742	6450	1.24		619	6100	1.24	100/6-8823-11
					7200	1.60			6800	1.57	100/6-8824-11
					8850	1.93			8350	1.93	100/6-8825-11
	90	125		891	6450	1.05		742	6100	1.05	125/6-8823-11
					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
	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	Motor(HP)-Frame-Ratio
15	37	50	67	500	7095	2.50	80	416	6720	2.51	50/6-8823-15
	45	60		608	7095	2.07		506	6720	2.08	60/6-8823-15
	55	75		745	7095	1.69		619	6720	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
	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	Motor(HP)-Frame-Ratio
21	30	40	48	567	7850	2.47	57	472	7440	2.47	40/6-8823-21
	37	50		699	7850	1.97		583	7440	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

성능 및 선정표(6P)1단
Selection & Performance table – Single Reduction – 6P

Ratio	Motor		50 Hz(1000rpm)				60 Hz(1200rpm)				Model
	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	Motor(HP)-Frame-Ratio
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
	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	Motor(HP)-Frame-Ratio
29	30	40	34	783	8650	1.87	41	652	8200	1.87	40/6-8823-29
	37	50		966	8650	1.51		805	8200	1.51	50/6-8823-29
					9650	1.88			9150	1.88	50/6-8824-29
	45	60		1174	8650	1.24		979	8200	1.24	60/6-8823-29
					9650	1.55			9150	1.55	60/6-8824-29
					11850	2.13			11150	2.14	60/6-8825-29
	55	75		1436	8650	1.02		1196	8200	1.02	75/6-8823-29
					9650	1.26			9150	1.26	75/6-8824-29
					11850	1.74			11150	1.74	75/6-8825-29
	75	100		1958	11850	1.27		1631	11150	1.27	100/6-8825-29
					14500	1.79			13500	1.82	100/6-8826-29
	90	125		2349	11850	1.06		1958	11150	1.06	125/6-8825-29
					14500	1.50			13500	1.50	125/6-8826-29
					20000	1.61			20000	1.61	125/6-8827-29
	110	150		2871	14500	1.22		2392	13500	1.24	150/6-8826-29
					20000	1.30			20000	1.30	150/6-8827-29
	132	175		3445	14500	1.02		2871	13500	1.04	175/6-8826-29

Ratio	Motor		50 Hz(1000rpm)				60 Hz(1200rpm)				Model
	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	Motor(HP)-Frame-Ratio
43	18.5	25	23	716	9750	2.15	29	597	9200	2.32	25/6-8823-43
	22	30		851	9750	1.85		710	9200	1.95	30/6-8823-43
	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

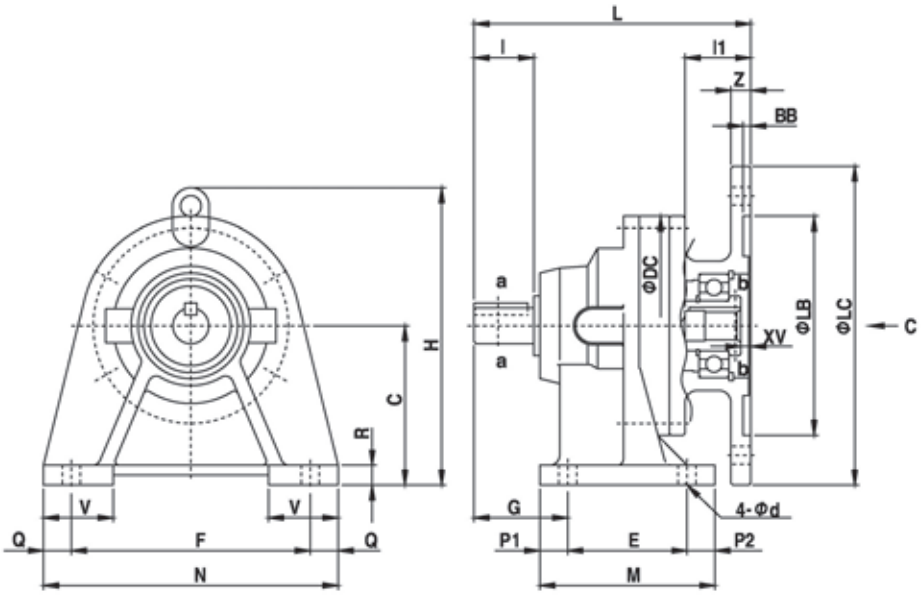
성능 및 선정표(6P)1단
Selection & Performance table – Single Reduction – 6P

Ratio	Motor		50 Hz(1000rpm)				60 Hz(1200rpm)				Model
	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	Motor(HP)-Frame-Ratio
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

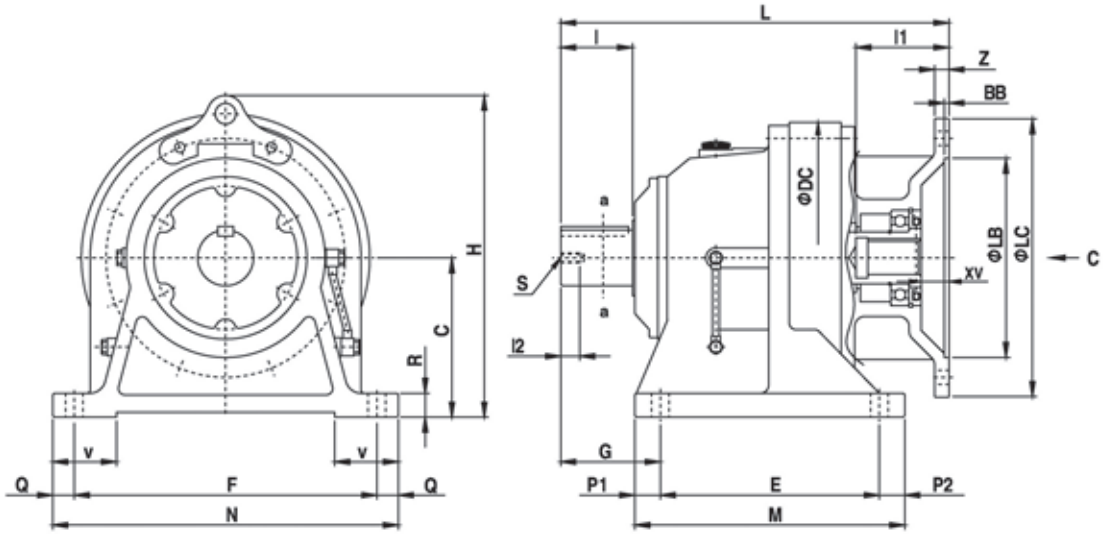
Ratio	Motor		50 Hz(1000rpm)				60 Hz(1200rpm)				Model
	KW	HP	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	Motor(HP)-Frame-Ratio
59	15	20	17	796	10750	1.87	20	664	10250	1.96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

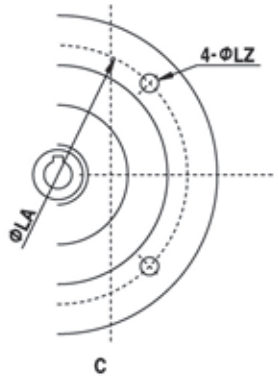
Ratio	Motor		50 Hz(1000rpm)				60 Hz(1200rpm)				Model
	KW	HP	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	Output speed (rpm)	Output Torque (kgf.m)	Allowable Output Shaft Overhung load (kg)	SF	Motor(HP)-Frame-Ratio
87	15	20	11	1174	12050	1.30	14	979	11450	1.35	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
	45	60		3524	20000	1.01		2936	19000	1.02	60/6-8826-87
					20000	1.15			20000	1.16	60/6-8827-87

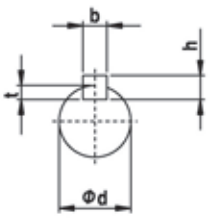
● KNHX 8808~8811



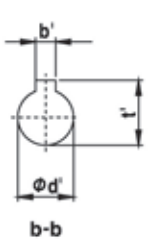
● KHHX 8813~8816







Output shaft



input shaft

Model	Power		C	DC	E	F	G	L	M	N	P1	P2	Q	R	V	d
	KW	rpm														
KNHX-02-8808	0.2	1500/1800 (50HZ/ 60HZ)	80	110	60	120	47	132.5	88	148	14	14	14	10	35	9
KNHX-02-8809			100	150	90	150	60	183	139	184	17	32	17	12	40	11
KNHX-02-8810			100	150	90	150	60	188.5	139	184	17	32	17	12	40	11
KNHX-05-8808	0.4		80	110	60	120	47	139	88	148	14	14	14	10	35	9
KNHX-05-8809			100	150	90	150	60	190	139	184	17	32	17	12	40	11
KNHX-05-8810			100	150	90	150	60	201	139	184	17	32	17	12	40	11
KNHX-1-8809	0.75		100	150	90	150	60	204	139	184	17	32	17	12	40	11
KNHX-1-8810			100	150	90	150	60	203	139	184	17	32	17	12	40	11
KNHX-1-8811			120	204	115	190	82	245	159	234	22	22	22	15	55	14
KNHX-2-8810	1.5		100	150	90	150	60	221	139	184	17	32	17	12	40	11
KNHX-2-8811			120	204	115	190	82	255	159	234	22	22	22	15	55	14
KHHX-2-8813			150	230	145	290	100	308.5	199	334	27	27	22	22	65	18
KHHX-2-8814			150	230	145	290	120	328.5	199	334	27	27	22	22	65	18
KNHX-3-8811	2.2		120	204	115	190	82	271.5	159	234	22	22	22	15	55	14
KHHX-3-8813			150	230	145	290	100	324	199	334	27	27	22	22	65	18
KHHX-3-8814			150	230	145	290	120	344	199	334	27	27	22	22	65	18
KHHX-3-8816			160	300	150	370	139	385	242	414	46	46	22	25	75	18
KNHX-5-8811	3.7		120	204	115	190	82	271.5	159	234	22	22	22	15	55	14
KHHX-5-8813			150	230	145	290	100	324	199	334	27	27	22	22	65	18
KHHX-5-8814			150	230	145	290	120	344	199	334	27	27	22	22	65	18
KHHX-5-8816			160	300	150	370	139	385	242	414	46	46	22	25	75	18
KHHX-8-8813	5.5		150	230	145	290	100	349.5	199	334	27	27	22	22	65	18
KHHX-8-8814			150	230	145	290	120	369.5	199	334	27	27	22	22	65	18
KHHX-8-8816			160	300	150	370	139	403	242	414	46	46	22	25	75	18
KHHX-10-8813	7.5		150	230	145	290	100	349.5	199	334	27	27	22	22	65	18
KHHX-10-8814			150	230	145	290	120	369.5	199	334	27	27	22	22	65	18
KHHX-10-8816			160	300	150	370	139	403	242	414	46	46	22	25	75	18
KHHX-15-8816	11		160	300	150	370	139	436	242	414	46	46	22	25	75	18
KHHX-20-8816	15		160	300	150	370	139	436	242	414	46	46	22	25	75	18

Model	Power		Output shaft							Input shaft				LA	LB	LC	LZ	BB	XV	Z	Motor Fr
	KW	rpm	d	l	b	h	t	S	l2	d2	l1	b'	t'								
KNHX-02-8808	0.2	1500/1800 (50HZ/ 60HZ)	18	30	6	6	3.5	-	-	11	25	4	12.8	130	110	160	9	4	1	10	63
KNHX-02-8809			28	35	8	7	4	-	-	11	25	4	12.8	130	110	160	9	4	6.5	9	
KNHX-02-8810			28	35	8	7	4	-	-	11	25	4	12.8	130	110	160	M8	4	4.5	9	
KNHX-05-8808	0.4		18	30	6	6	3.5	-	-	14	33	5	16.3	130	110	160	9	4	5	10	71
KNHX-05-8809			28	35	8	7	4	-	-	14	36	5	16.3	130	110	160	9	4	10	10.5	
KNHX-05-8810			28	35	8	7	4	-	-	14	35	5	16.3	130	110	160	9	4	10	11	
KNHX-1-8809	0.75		28	35	8	7	4	-	-	19	47	6	21.8	165	130	200	11	4	15	11	80
KNHX-1-8810			28	35	8	7	4	-	-	19	44	6	21.8	165	130	200	11	4	14	13.5	
KNHX-1-8811			38	55	10	8	5	-	-	19	46	6	21.8	165	130	200	11	4	14	14	
KNHX-2-8810	1.5		28	35	8	7	4	-	-	24	53	8	27.3	165	130	200	11	4	8	11.5	90L
KNHX-2-8811			38	55	10	8	5	-	-	24	60	8	27.3	165	130	200	11	4	18	13	
KHHX-2-8813			50	70	14	9	5.5	M10	18	24	54	8	27.3	165	130	200	11	4	11	12	
KHHX-2-8814			50	90	14	9	5.5	M10	18	24	54	8	27.3	165	130	200	11	4	11	12	
KNHX-3-8811	2.2		38	55	10	8	5	-	-	28	73	8	31.3	215	180	250	14	5	25	18	100L
KHHX-3-8813			50	70	14	9	5.5	M10	18	28	74	8	31.3	215	180	250	14	4.5	20	14	
KHHX-3-8814			50	90	14	9	5.5	M10	18	28	74	8	31.3	215	180	250	14	4.5	20	14	
KHHX-3-8816			60	90	18	11	7	M10	18	28	72	8	31.3	215	180	250	14	4.5	30	14	
KNHX-5-8812	3.7		38	55	10	8	5	-	-	28	73	8	31.3	215	180	250	14	5	25	18	112M
KHHX-5-8813			50	70	14	9	5.5	M10	18	28	74	8	31.3	215	180	250	14	4.5	20	14	
KHHX-5-8814			50	90	14	9	5.5	M10	18	28	74	8	31.3	215	180	250	14	4.5	20	14	
KHHX-5-8816			60	90	18	11	7	M10	18	28	72	8	31.3	215	180	250	14	4.5	30	14	
KHHX-8-8813	5.5		50	70	14	9	5.5	M10	18	38	90	10	41.3	265	230	300	14	5	26	15	132S
KHHX-8-8814			50	90	14	9	5.5	M10	18	38	90	10	41.3	265	230	300	14	5	26	15	
KHHX-8-8816			60	90	18	11	7	M10	18	38	84	10	41.3	265	230	300	14	4.5	25	15	
KHHX-10-8813	7.5		50	70	14	9	5.5	M10	18	38	90	10	41.3	265	230	300	14	5	26	15	132M
KHHX-10-8814			50	90	14	9	5.5	M10	18	38	90	10	41.3	265	230	300	14	5	26	15	
KHHX-10-8816			60	90	18	11	7	M10	18	38	84	10	41.3	265	230	300	14	4.5	25	15	
KHHX-15-8816	11		60	90	18	11	7	M10	18	42	115	12	45.3	300	250	350	18	6	26	18	160M
KHHX-20-8816	15		60	90	18	11	7	M10	18	42	115	12	45.3	300	250	350	18	6	26	18	160L