

S.C. Reversible Motor 40W (□ 90mm)

40W

Speed Control Reversible Motor 40W(□ 90mm)

Motor 사양

Model 9SRDG*~40□~C(L): Gear Type Shaft 9SRDD*~40□~C(L): D-Cut Type Shaft 9SRDK*~40□~C(L): Key Type Shaft		Output W	Voltage V	Frequency Hz	Poles	Duty	Speed Range r/min	Starting Torque kgfcm N.m		Permissible Torque				Capacitor μF / VAC
										1200r/min kgfcm N.m		90r/min kgfcm N.m		
Connector Type	Lead Wire Type													
9SRD◇1(A)~40□~C	9SRD◇1(A)~40□~L	40	1φ110	60	4	30min.	90~1700	3.40	0.340	3.00	0.300	0.85	0.085	16.0 / 250
9SRD◇B~40□~C	9SRD◇B~40□~L	40	1φ100	50	4	30min.	90~1400	3.20	0.320	2.90	0.290	0.85	0.085	16.0 / 250
				60			90~1700	3.10	0.310	2.90	0.290	0.85	0.085	
9SRD◇C~40□~C	9SRD◇C~40□~L	40	1φ200	50	4	30min.	90~1400	3.20	0.320	2.90	0.290	0.85	0.085	4.0 / 450
				60			90~1700	3.10	0.310	2.90	0.290	0.85	0.085	
9SRD◇2(D)~40□~C	9SRD◇2(D)~40□~L	40	1φ220	60	4	30min.	90~1700	3.30	0.330	3.00	0.300	0.85	0.085	4.0 / 450
9SRD◇E~40□~C	9SRD◇E~40□~L	40	1φ220	50	4	30min.	90~1400	3.00	0.300	2.60	0.260	0.80	0.080	4.0 / 450
			1φ240					3.30	0.330	3.20	0.320	0.90	0.090	

1) 모터 모델명 * 자리에는 전압코드가 들어갑니다. 2) 모터 모델명 ◇ 자리에는 모터 출력축 타입명이 들어갑니다. (G: Gear Type / D: D-Cut Type / K: Key Type) Gear Type Shaft는 감속기 부착용이며 D-Cut 및 Key Type Shaft는 모터 단독 사용 시의 출력축입니다. 3) 모터 출력축 타입이 Gear Type일 경우, □ 안에는 부착되는 감속기의 모델 타입명이 들어갑니다. 4) 전압코드 A, B, C, D, E는 TP(Thermal Protector) 부착 사양입니다.

감속기 부착 시 최대허용토크

Motor Model	Gear box Model	회전 속도 r/min	전압 V	주파 수 Hz	감속 비	2	3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200		
9SRDG*~40G	9GBK □ BMH	1200	110	60	kgfcm	4.9	7.3	8.7	12.2	14.6	18.2	21.9	24.3	30.4	36.5	43.7	43.8	54.8	65.7	78.8	87.6	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		
					N.m	0.48	0.71	0.86	1.19	1.43	1.79	2.14	2.38	2.98	3.57	4.29	4.29	5.37	6.44	7.73	8.58	9.70	9.80	9.80	9.80	9.80	9.80	9.80	9.80	9.80	9.80	9.80
					N.m	0.48	0.71	0.86	1.19	1.43	1.79	2.14	2.38	2.98	3.57	4.29	4.29	5.37	6.44	7.73	8.58	9.70	9.80	9.80	9.80	9.80	9.80	9.80	9.80	9.80	9.80	9.80
		90	220/240	50	kgfcm	4.2	6.3	7.6	10.5	12.6	15.8	19.0	21.1	26.3	31.6	37.9	38.0	47.5	56.9	68.3	75.9	85.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
					N.m	0.41	0.62	0.74	1.03	1.24	1.55	1.86	2.06	2.58	3.10	3.71	3.72	4.65	5.58	6.70	7.44	8.41	9.80	9.80	9.80	9.80	9.80	9.80	9.80	9.80	9.80	
					N.m	0.41	0.62	0.74	1.03	1.24	1.55	1.86	2.06	2.58	3.10	3.71	3.72	4.65	5.58	6.70	7.44	8.41	9.80	9.80	9.80	9.80	9.80	9.80	9.80	9.80	9.80	9.80
		90	220/240	50	kgfcm	1.4	2.1	2.5	3.4	4.1	5.2	6.2	6.9	8.6	10.3	12.4	12.4	15.5	18.6	22.3	24.8	28.1	33.7	42.1	50.5	56.1	67.3	84.2	100.0	100.0		
					N.m	0.13	0.20	0.24	0.34	0.40	0.51	0.61	0.67	0.84	1.01	1.21	1.22	1.52	1.82	2.19	2.43	2.75	3.30	4.12	4.95	5.50	6.60	8.25	9.80	9.80	9.80	
					N.m	0.13	0.20	0.24	0.34	0.40	0.51	0.61	0.67	0.84	1.01	1.21	1.22	1.52	1.82	2.19	2.43	2.75	3.30	4.12	4.95	5.50	6.60	8.25	9.80	9.80	9.80	
		90	220/240	50	kgfcm	1.3	1.9	2.3	3.2	3.9	4.9	5.8	6.5	8.1	9.7	11.7	11.7	14.6	17.5	21.0	23.4	26.4	31.7	39.6	47.5	52.8	63.4	79.2	95.0	100.0		
					N.m	0.13	0.19	0.23	0.32	0.38	0.48	0.57	0.64	0.79	0.95	1.14	1.14	1.43	1.72	2.06	2.29	2.59	3.10	3.88	4.66	5.17	6.21	7.76	9.31	9.80	9.80	
					N.m	0.13	0.19	0.23	0.32	0.38	0.48	0.57	0.64	0.79	0.95	1.14	1.14	1.43	1.72	2.06	2.29	2.59	3.10	3.88	4.66	5.17	6.21	7.76	9.31	9.80	9.80	

Motor Model	Gearbox Model	회전 속도 r/min	전압 V	주파수 Hz	감속비	10	12	15	18	25	30	36	50	60
9SRDG*~40W	9WD □ BL/ □ BR/ □ BRL	1200	110	60	kgfcm	24.6	28.8	34.7	40.0	52.5	59.4	69.1	90.0	99.0
					N.m	2.41	2.82	3.40	3.92	5.15	5.82	6.77	8.82	9.70
					N.m	2.41	2.82	3.40	3.92	5.15	5.82	6.77	8.82	9.70
		90	220	60	kgfcm	24.9	29.9	37.4	44.8	62.3	74.7	89.6	124.5	122.4
					N.m	2.44	2.93	3.66	4.39	6.10	7.32	8.78	12.20	12.00
					N.m	2.44	2.93	3.66	4.39	6.10	7.32	8.78	12.20	12.00
	90	220/240	50	50	kgfcm	26.2	30.7	37.0	42.6	56.0	63.4	73.7	96.0	105.6
					N.m	2.57	3.01	3.62	4.18	5.49	6.21	7.23	9.41	10.35
					N.m	2.57	3.01	3.62	4.18	5.49	6.21	7.23	9.41	10.35
		110	60	60	kgfcm	7.0	8.2	9.8	11.3	14.9	16.8	19.6	25.5	28.1
					N.m	0.68	0.80	0.96	1.11	1.46	1.65	1.92	2.50	2.75
					N.m	0.68	0.80	0.96	1.11	1.46	1.65	1.92	2.50	2.75
	220/240	50	50	50	kgfcm	7.4	8.6	10.4	12.0	15.8	17.8	20.7	27.0	29.7
					N.m	0.72	0.85	1.02	1.17	1.54	1.75	2.03	2.65	2.91
					N.m	0.72	0.85	1.02	1.17	1.54	1.75	2.03	2.65	2.91

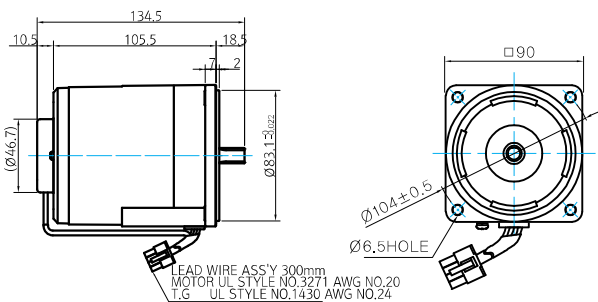
1) 모터 모델명 * 자리에는 전압코드가 들어갑니다.
2) 감속기 모델명 □ 안에는 감속비가 들어갑니다.
3) 위의 표에서 선택된 범위의 감속비를 선택했을 때 감속기의 출력축은 모터의 출력축과 같은 방향으로 회전합니다.
원색 바탕 범위의 감속비에서는 감속기 출력축은 모터 출력축의 회전방향과 반대방향으로 회전합니다.

Motor Model	Gearbox Model	회전속도 r/min	전압 V	주파수 Hz	감속비	2	3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30
9SRDG* -40P	9PBK □ BH 9PFK □ BH	1200	110	60	kgfcm N,m	4.9 0.48	7.3 0.71	8.7 0.86	12.2 1.19	14.6 1.43	18.2 1.79	21.9 2.14	24.3 2.38	27.4 2.68	32.9 3.22	39.4 3.86	43.8 4.29	49.5 4.85	59.4 5.82
				220	60	kgfcm N,m	4.9 0.48	7.3 0.71	8.7 0.86	12.2 1.19	14.6 1.43	18.2 1.79	21.9 2.14	24.3 2.38	27.4 2.68	32.9 3.22	39.4 3.86	43.8 4.29	49.5 4.85
			220/ 240	50	kgfcm N,m	4.2 0.41	6.3 0.62	7.6 0.74	10.5 1.03	12.6 1.24	15.8 1.55	19.0 1.86	21.1 2.06	23.7 2.33	28.5 2.79	34.2 3.35	38.0 3.72	42.9 4.20	51.5 5.05
		90	110	60	kgfcm N,m	1.4 0.13	2.1 0.20	2.5 0.24	3.4 0.34	4.1 0.40	5.2 0.51	6.2 0.61	6.9 0.67	7.8 0.76	9.3 0.91	11.2 1.09	12.4 1.22	14.0 1.37	16.8 1.65
				220	60	kgfcm N,m	1.4 0.13	2.1 0.20	2.5 0.24	3.4 0.34	4.1 0.40	5.2 0.51	6.2 0.61	6.9 0.67	7.8 0.76	9.3 0.91	11.2 1.09	12.4 1.22	14.0 1.37
			220/ 240	50	kgfcm N,m	1.3 0.13	1.9 0.19	2.3 0.23	3.2 0.32	3.9 0.38	4.9 0.48	5.8 0.57	6.5 0.64	7.3 0.72	8.8 0.86	10.5 1.03	11.7 1.14	13.2 1.29	15.8 1.55
		Motor Model	Gearbox Model	회전속도 r/min	전압 V	주파수 Hz	감속비	36	40	50	60	75	90	100	120	150	180	200	
		9SRDG* -40P	9PBK □ BH 9PFK □ BH	1200	110	60	kgfcm N,m	71.3 6.99	79.2 7.76	99.0 9.70	118.8 11.64	132.8 13.01	159.3 15.61	177.0 17.35	200.0 19.60	200.0 19.60	200.0 19.60	200.0	
220	60					kgfcm N,m	71.3 6.99	79.2 7.76	99.0 9.70	118.8 11.64	132.8 13.01	159.3 15.61	177.0 17.35	200.0 19.60	200.0 19.60	200.0 19.60	200.0		
220/ 240	50				kgfcm N,m	61.8 6.05	68.6 6.73	85.8 8.41	103.0 10.09	115.1 11.27	138.1 13.53	153.4 15.03	184.1 18.04	200.0 19.60	200.0 19.60	200.0			
90	110			60	kgfcm N,m	20.2 1.98	22.4 2.20	28.1 2.75	33.7 3.30	37.6 3.69	45.1 4.42	50.2 4.91	60.2 5.90	75.2 7.37	90.3 8.85	100.3 9.83			
				220	60	kgfcm N,m	20.2 1.98	22.4 2.20	28.1 2.75	33.7 3.30	37.6 3.69	45.1 4.42	50.2 4.91	60.2 5.90	75.2 7.37	90.3 8.85	100.3 9.83		
	220/ 240			50	kgfcm N,m	19.0 1.86	21.1 2.07	26.4 2.59	31.7 3.10	35.4 3.47	42.5 4.16	47.2 4.63	56.6 5.55	70.8 6.94	85.0 8.33	94.4 9.25			

Dimensions

MOTOR ONLY

- MOTOR MODEL: 9SRD□-40 (NO FAN)

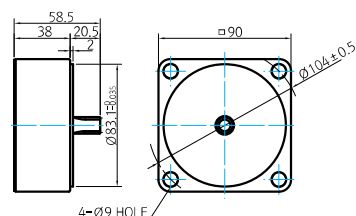


- MOTOR OUTPUT SHAFT

MODEL	SPEC
D-CUT TYPE	37 30 ^{+0.1} _{-0.1} 9 ^{+0.1} _{-0.1} Ø10 ^{+0.08} _{-0.08}
KEY TYPE	37 25 ^{+0.1} _{-0.1} Ø10 ^{+0.08} _{-0.08}
9SRDK□-40	

중간감속기

- MODEL: 9XD10□□



- KEY SPEC

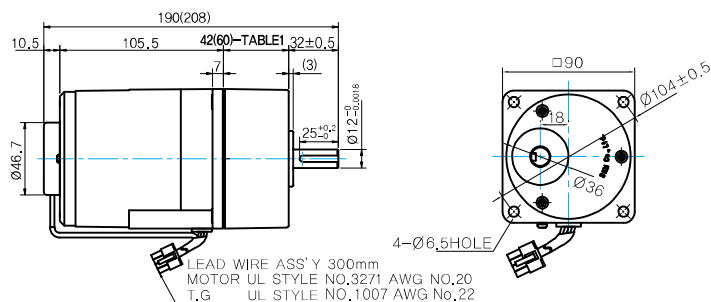
GEARBOX
4 ^{+0.03} _{-0.03} 25 ^{+0.1} _{-0.1} 25 ^{+0.1} _{-0.1} Ø12 ^{+0.08} _{-0.08}

GEARED MOTOR

G TYPE GEARBOX

- MOTOR MODEL: 9SRDG□-40G (NO FAN)

- GEARBOX MODEL: 9GBK□BMH



- GEARBOX OUTPUT SHAFT

MODEL	SPEC
KEY TYPE	32 25 ^{+0.1} _{-0.1} Ø12 ^{+0.08} _{-0.08}
9GBK□BMH	

- KEY SPEC

GEARBOX
4 ^{+0.03} _{-0.03} 25 ^{+0.1} _{-0.1} 25 ^{+0.1} _{-0.1} Ø12 ^{+0.08} _{-0.08}

- 42(60)-Table1

SIZE(mm)	GEAR RATIO
42	9GBK2BMH - 9GBK18BMH
60	9GBK20BMH - 9GBK200BMH

S.C. Reversible Motor 40W (□ 90mm)

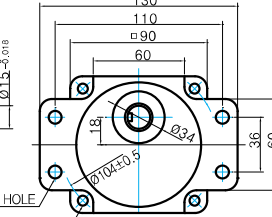
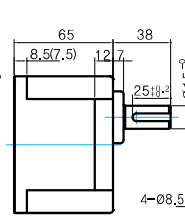
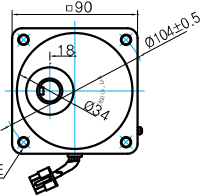
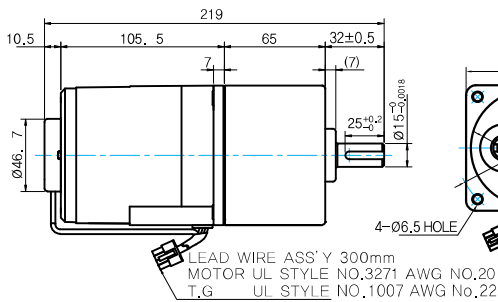
P TYPE GEARBOX

- MOTOR MODEL:
9SRDG □ -40P (NO FAN)

- GEARBOX MODEL:
9PBK □ BH

- GEARBOX MODEL:
9PFK □ BH

- GEARBOX OUTPUT SHAFT



MODEL	SPEC
KEY TYPE	
9PBK □ BH	
9PFK □ BH	

- KEY SPEC

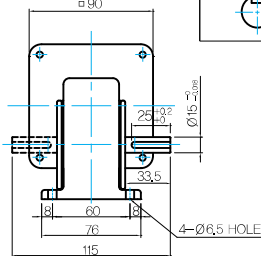
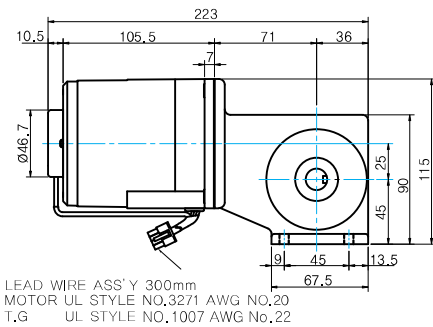
GEARBOX

W TYPE GEARBOX

- MOTOR MODEL:
9SRDG □ -40W (NO FAN)

- GEARBOX MODEL:
9WD □ BL/BR/BRL

- KEY SPEC



GEARBOX

WEIGHT

PART	WEIGHT(kg)
MOTOR	2.55
9GBK2BMH - 9GBK18BMH	0.78
9GBK20BMH - 9GBK40BMH	1.10
9GBK50BMH - 9GBK200BMH	1.20
9PB(F)K2BH - 9PB(F)K10BH	1.28
9PB(F)K12.5BH - 9PB(F)K20BH	1.30
9PB(F)K25BH - 9PB(F)K60BH	1.45
9PB(F)K75BH - 9PB(F)K200BH	1.47
9WD □ BL/BR/BRL	1.00
9XD10 □	0.60

*출력 FLANGE와 SHAFT는 별매입니다.

Motor Images

