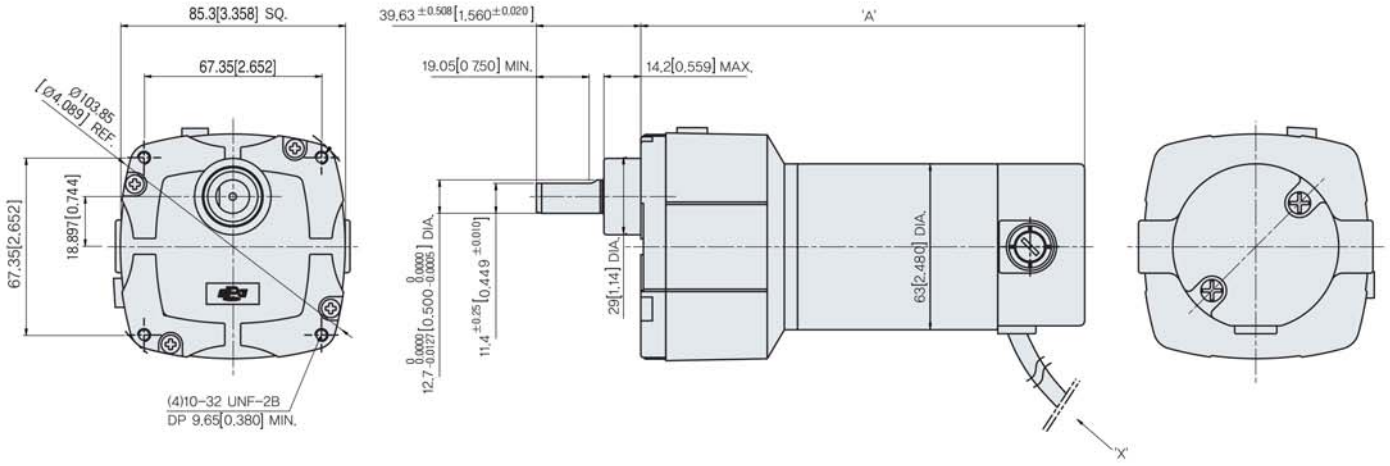


SPECIAL TYPE

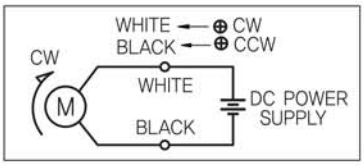
BS2 □ SERIES
DC GEARED MOTOR

MOTOR DIMENSION

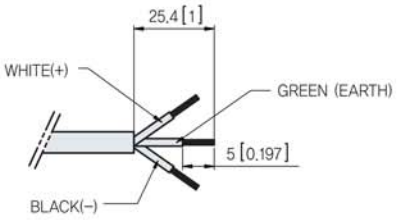
UNIT : mm[inch]



CIRCUIT DIAGRAM



(THE DIRECTION OF MOTOR ROTATION IS AS VIEWED FROM THE OUTPUT SHAFT END OF THE MOTOR)



VIEW "X"

STANDARD FEATURES

- GEAR HOUSING에 VENT HOLE 적용으로 SEALING수명 연장.
- MOTOR입력축 및 출력 SHAFT에 LIP-TYPE SEAL 적용
- 출력측에 NEEDLE BEARING 적용으로 내구 수명 및 축방향 하중능력 증대.
- 기어용 영구적 윤활유 적용으로 기어수명 연장
- MOTOR SHAFT에 정밀 가공된 HELICAL GEAR 적용으로 고강도 및 저소음 실현.
- Vented gearhousing for extended seal life.
- Industrial lip type seals on motors and output shaft.
- Needle bearing on output shaft for increased radial load capacity and long life.
- Permanently lubricated gearing utilizing oil for long life.
- Helical pinion accurately cut on motor shaft for maximum strength and minimum noise.

MOTOR SPECIFICATION

Type	Voltage	Output	No Load		Rated Load			Dimension	Run Duty	Weight
			Speed	Current	Speed	Torque	Current	A		
	V	W	RPM	A	RPM	kg-cm(lb-in)	A	mm/inch	Hr	kg(lb)
BS23DA□	24	26	2800	0.3 max	2450	1.03(0.89)	1.8	152.5/6.00	2000	1.9(4.19)
BS23DB□	130	26	2800	0.3 max	2500	1.01(0.88)	0.4	152.5/6.00	2000	1.9(4.19)
BS24DA□	24	44	2800	0.3 max	2400	1.80(1.56)	2.6	168.5/6.63	2000	2.1(4.63)
BS24DB□	130	44	2800	0.3 max	2450	1.75(1.52)	0.5	168.5/6.63	2000	2.1(4.63)

※ Run Duty는 정격전압인가 무부하 기준입니다.(Run duty is valued at rated Voltage and No load)

Geared motor rated torque

TYPE	GEAR RATIO	6	12	18	30	60	90	180	300	450
BS23DA□	rpm	408.3	204.2	136.1	81.7	40.8	27.2	13.6	8.2	5.4
	kg-cm	5.30	10.60	15.90	26.49	46.09	46.09	46.09	46.09	46.09
	N-m(lb-in)	0.52(4.60)	1.04(9.20)	1.56(13.80)	2.60(23.00)	4.52(40.00)	4.52(40.00)	4.52(40.00)	4.52(40.00)	4.52(40.00)
BS23DB□	rpm	416.7	208.3	138.9	83.3	41.7	27.8	13.9	8.3	5.6
	kg-cm	5.20	10.39	15.59	25.98	46.09	46.09	46.09	46.09	46.09
	N-m(lb-in)	0.51(4.51)	1.02(9.02)	1.53(13.53)	2.55(22.55)	4.52(40.00)	4.52(40.00)	4.52(40.00)	4.52(40.00)	4.52(40.00)
BS24DA□	rpm	400.0	200.0	133.3	80.0	40.0	26.7	13.3	8.0	5.3
	kg-cm	9.26	18.52	27.78	46.09	46.09	46.09	46.09	46.09	46.09
	N-m(lb-in)	0.91(8.04)	1.81(16.08)	2.72(24.11)	4.52(40.00)	4.52(40.00)	4.52(40.00)	4.52(40.00)	4.52(40.00)	4.52(40.00)
BS24DB□	rpm	408.3	204.2	136.1	81.7	40.8	27.2	13.6	8.2	5.4
	kg-cm	9.00	18.00	27.01	45.01	46.09	46.09	46.09	46.09	46.09
	N-m(lb-in)	0.88(7.81)	1.76(15.63)	2.65(23.44)	4.41(39.07)	4.52(40.00)	4.52(40.00)	4.52(40.00)	4.52(40.00)	4.52(40.00)

■ GEAR HEAD와 조합한 경우의 허용 TORQUE입니다.

■ 첫번째 표시된 □는 SPINDLE 형상을 나타내고, 두번째 표시된 □는 감속비를 나타냅니다.

■ 회전방향은 ■색이 MOTOR의 회전방향과 동일방향이고, 기타는 MOTOR 회전방향과 반대방향 입니다.

■ The peak torque of the gear head is 46.09 kg-cm(40.00 lb-in)

■ The □ mark indicates the ratio.

■ ■ color indicates that the output shaft of the geared motor rotates in the opposite direction as the output shaft of the motor. Others indicates the rotation in the same direction.