

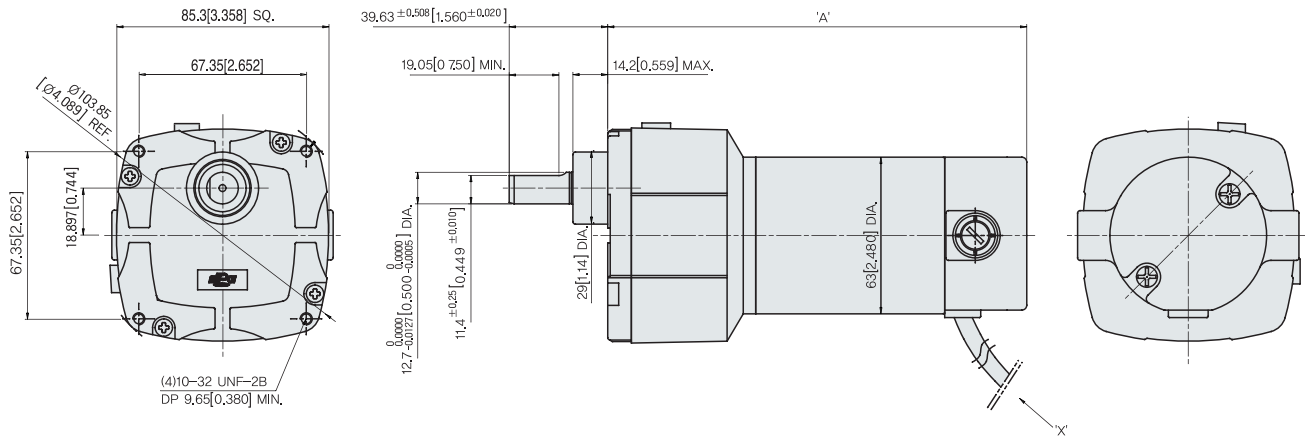


SPECIAL TYPE

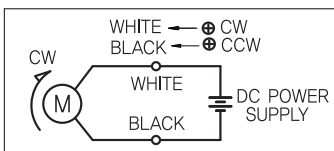
BS2 □ SERIES DC GEARED MOTOR

MOTOR DIMENSION

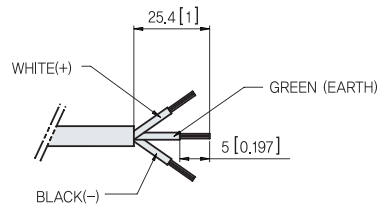
UNIT : mm[inch]



CIRCUIT DIAGRAM



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



VIEW "X"

STANDARD FEATURES

- 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.

21C, for World geared motor!



MOTOR SPECIFICATION

Type	Voltage	Output	No Load		Rated Lod			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 Duty

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)

■ 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.