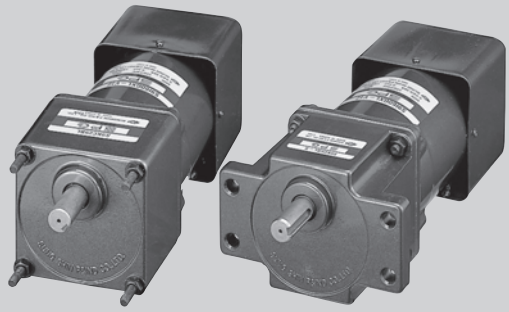


20W

TORQUE MOTOR □90㎜ LEAD WIRE TYPE

SIZE mm sq.	Type	Poles	Output	Voltage	Frequency	Duty	Rated Load					Starting Torque		Capacitor
							Speed	Torque		Current	Input			
			(W)	(V)	(Hz)		(rpm)	(kg-cm)	(N-m)	(A)	(W)	(kg-cm)	(N-m)	(uF)
90	S9T20GB( )-F	4	28.0	1 Ø 220	60	5min.	900	2.78	0.278	0.64	140.2	4.95	0.495	4.0
			8.3	1 Ø 140		Cont.		0.91	0.091	0.43	60.2	1.83	0.183	

❖ ( )는 L, H Type을 표시합니다. L은 GEAR HEAD의 L과, H는 GEAR HEAD의 H와 사용하여 주십시오. (( ) is for marking 'L' type or 'H'. 'L' should be used with gearhead 'L' and 'H' should be used with gearhead 'H')
❖ 20W 이상은 팬부착 모델이 기본 모델 입니다.

60Hz

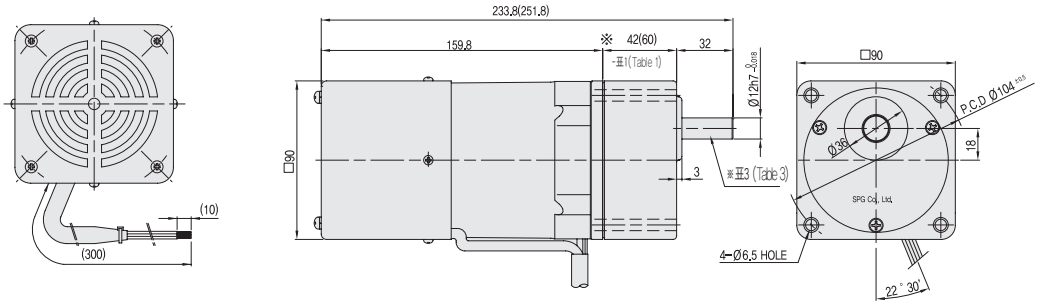
GEAR RATIO			3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
S9KB□B()	5min	kg-cm	6.8	8.1	11.3	13.5	16.9	20.3	22.5	28.1	33.8	40.5	40.6	50.7	60.9	73.1	81.2	91.7	100	100	100	100	100	100	100	100
		N·m	0.66	0.79	1.10	1.32	1.66	1.99	2.21	2.76	3.31	3.97	3.98	4.98	5.97	7.16	7.96	9.00	9.81	9.81	9.81	9.81	9.81	9.81	9.81	9.81
	Cont.	kg-cm	2.2	2.7	3.7	4.4	5.5	6.6	7.4	9.2	11.1	13.3	13.3	16.6	19.9	23.9	26.6	30.0	36.0	45.0	54.1	60.1	72.1	90.1	100	100
		N·m	0.22	0.26	0.36	0.43	0.54	0.65	0.72	0.90	1.08	1.30	1.30	1.63	1.95	2.35	2.61	2.94	3.53	4.42	5.30	5.89	7.07	8.83	9.81	9.81

❖ GEAR HEAD 품명중 □은 감속비를 표시합니다. (The code in □ of gearhead model is for gear ratio.)
❖ GEAR HEAD와 조합한 경우의 허용 TORQUE입니다. (It is the permissible torque of the assembled motor and gearhead.)
❖ 감속비 1/10의 중간 GEAR HEAD를 접속한 경우의 허용 TORQUE는 100㎏-㎝입니다. (The permissible torque of the motor and inter-decimal gearhead is 100 kg-cm.)
❖ 회전방향은 ■색이 MOTOR의 회전방향과 동일방향이고, 기타는 MOTOR 회전방향과 반대방향 입니다. (■ color indicates that the output shaft of the geared motor rotates in the same direction as the output shaft of the motor. Others indicate rotation in the opposite direction.)
❖ 회전수는 MOTOR의 동기 회전수(50Hz : 1500rpm, 60Hz : 1800rpm)를 기준으로 하여 감속비로 나누어서 계산하였습니다. 실제의 회전수는 부하의 크기에 따라서 표시된 수치보다 2~20% 적습니다. (Rpm is based on synchronous speed (50Hz: 1500rpm, 60Hz: 1800rpm) divided by gear ratio. The actual rotation speed can be 2~20% less than displayed value depending on the load.)
❖ ( )는 L, H Type을 표시합니다. L은 MOTOR의 L과, H는 MOTOR의 H와 사용하여 주십시오. (( ) is for marking 'L' type or 'H'. 'L' should be used with motor 'L' and 'H' should be used with motor 'H'.)

DIMENSIONS

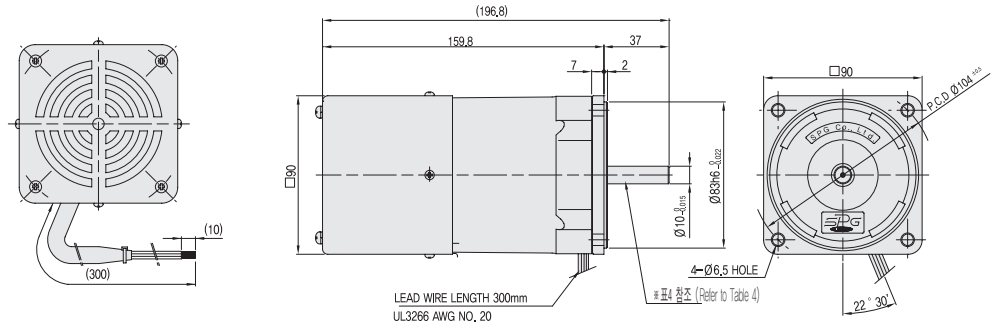
✚ GEARED MOTOR

※MOTOR MODEL : S9T20GBH(L)-F
※HEAD MODEL : S9□B3BH(L)~S9□B200BH(L)



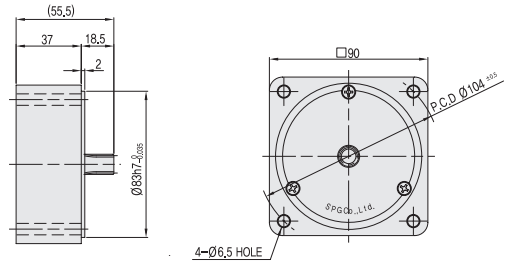
✚ MOTOR

※MOTOR MODEL : S9T20□B□-F

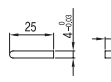
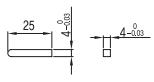


✚ INTER-DECIMAL GEAR HEAD

※MODEL : S9GX10B(H,L)



✚ KEY SPEC

GEAR HEAD	MOTOR
	

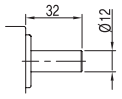
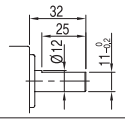
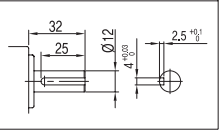
✚ ※42(60) – (표1 (Table1))

GEAR RATIO	SIZE(mm)
S9□B3BH(L) ~ S9□B18BH(L)	42
S9□B20BH(L) ~ S9□B200BH(L)	60

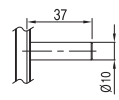
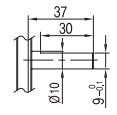
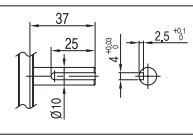
✚ WEIGHT – (표2 (Table2))

PART		WEIGHT(kg)
MOTOR		2.30
DECIMAL GEAR HEAD		0.60
GEAR HEAD	S9□B3BH(L) ~S9□B18BH(L)	0.73
	S9□B20BH(L) ~S9□B40BH(L)	1.03
	S9□B50BH(L) ~S9□B200BH(L)	1.13

✚ GEAR HEAD 출력축 사양 (SPEC for output shaft of gearhead) – (표3 (Table3))

MODEL	출력축 구분 (TYPES OF OUTPUT SHAFT)
STRAIGHT TYPE S9SB3BH(L) ~S9SB200BH(L)	
D-CUT TYPE S9DB3BH(L) ~S9DB200BH(L)	
KEY TYPE S9KB3BH(L) ~S9KB200BH(L)	

✚ MOTOR 출력축 사양 (SPEC for output shaft of motor) – (표4 (Table4))

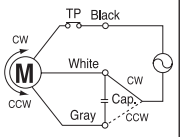
MODEL	출력축 구분 (TYPES OF OUTPUT SHAFT)
GEAR TYPE S9T20GBH(L)-F	
STRAIGHT TYPE S9T20SB-F	
D-CUT TYPE S9T20DB-F	
KEY TYPE S9T20KB-F	

SCHEMATIC DIAGRAMS

회전방향은 MOTOR의 SHAFT 끝쪽에서 볼 때의 회전방향입니다. (The direction of motor rotation is as viewed from the front shaft end of the motor.)

S9T20GB

CW,CCW



주의 : MOTOR 회전 방향의 교환은 MOTOR가 완전히 정지한 후에 실시하여 주십시오. MOTOR가 회전 중에 회전방향을 교환할 경우 회전방향이 바뀌지 않거나 회전방향이 바뀌어지는 데 있어서 시간이 걸리는 수도 있습니다. (Change the direction of motor rotation only after the motor stops completely. If an attempt is made to change the direction of rotation while the motor is running, the motor may ignore the reversing command or change its direction of rotation after some delay.)