

# 200W

## INDUCTION MOTOR □90㎜ LEAD WIRE TYPE

| SIZE mm sq. | Type | Poles | Output | Voltage | Frequency | Duty | Rated Load | | | | Starting Torque | | Capacitor |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Current | Speed | Torque | | | | |
| | | | (W) | (V) | (Hz) | | (A) | (rpm) | (kg-cm) | (N-m) | (kg-cm) | (N-m) | (uF) |
| 90 | S9I200GU | 4 | 200 | 3 Ø 200 | 50 | Cont. | 1.3 | 1250 | 16.00 | 1.600 | 24.00 | 2.400 | — |
| | | | | | 60 | | 1.2 | 1500 | 13.40 | 1.340 | 20.00 | 2.000 | |
| | S9I200GT | 4 | 200 | 3 Ø 220 | 50 | Cont. | 1.3 | 1300 | 15.00 | 1.500 | 30.00 | 3.000 | — |
| | | | | | 60 | | 1.2 | 1550 | 12.90 | 1.290 | 25.00 | 2.500 | |
| | S9I200GS | 4 | 200 | 3 Ø 380 | 50 | Cont. | 0.62 | 1250 | 16.00 | 1.600 | 26.00 | 2.600 | — |
| | | | | | 60 | | 0.55 | 1500 | 13.40 | 1.340 | 22.00 | 2.200 | |
| | | | | 3 Ø 400 | 50 | Cont. | 0.64 | 1250 | 16.00 | 1.600 | 30.00 | 3.000 | — |
| | | | | | 60 | | 0.55 | 1500 | 13.40 | 1.340 | 25.00 | 2.500 | |

❖ 상기 MODEL은 TP가 내장된 THERMALLY PROTECTED TYPE입니다. (TP marked at the end of the model name indicates that it is standard motor with Thermal Protector mounted. )
❖ 'H' Type 전용으로 기종명에 표시하지 않습니다. (Only "H" type is applicable.)
❖ 삼상 380V~440V 모터에서는 인버터 사용을 주의하여 주십시오. 인버터 사용시 권선의 절연이 열화되어 모터가 파손될 수 있습니다. (For a three-phase 380V~440V motor, be cautious when using the inverter. When inverter is used, the insulation of winding becomes hot and may cause damage to motor.)

## 50Hz

| GEAR RATIO / MODEL | | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | rpm | 500 | 416 | 300 | 250 | 200 | 166 | 150 | 120 | 100 | 83 | 75 | 60 | 50 | 41 | 37 | 30 | 25 | 20 | 16 | 15 | 12 | 10 | 8 | 7.5 |
| S9KH□B | kg-cm | 39.0 | 47.0 | 64.8 | 77.8 | 97.2 | 117 | 130 | 146 | 175 | 210 | 233 | 262 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 |
| | N·m | 3.813 | 4.609 | 6.355 | 7.626 | 9.532 | 11.47 | 12.75 | 14.32 | 17.16 | 20.59 | 22.88 | 25.74 | 29.42 | 29.42 | 29.42 | 29.42 | 29.42 | 29.42 | 29.42 | 29.42 | 29.42 | 29.42 | 29.42 | 29.42 |

## 60Hz

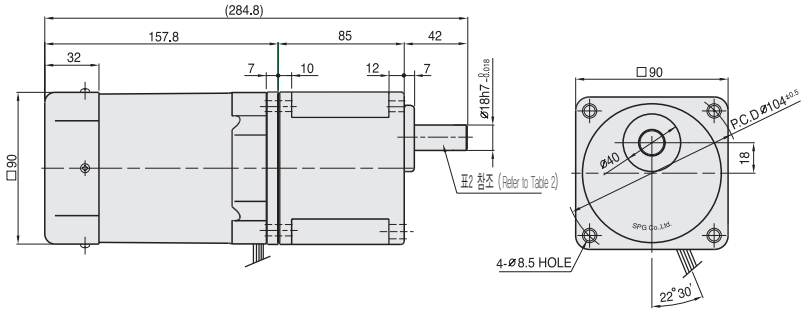
| GEAR RATIO / MODEL | | 3 | 3.6 | 5 | 6 | 7.5 | 9 | 10 | 12.5 | 15 | 18 | 20 | 25 | 30 | 36 | 40 | 50 | 60 | 75 | 90 | 100 | 120 | 150 | 180 | 200 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | rpm | 600 | 500 | 360 | 300 | 240 | 200 | 180 | 144 | 120 | 100 | 90 | 72 | 60 | 50 | 45 | 36 | 30 | 24 | 20 | 18 | 15 | 12 | 10 | 9 |
| S9KH□B | kg-cm | 32.0 | 38.3 | 53.3 | 64.0 | 79.9 | 96.0 | 107 | 120 | 144 | 173 | 192 | 216 | 259 | 300 | 300 | 300 | 300 | 300 | 300 | 3000 | 300 | 300 | 300 | 300 |
| | N·m | 3.134 | 3.760 | 5.223 | 6.267 | 7.384 | 9.414 | 10.49 | 11.75 | 14.10 | 16.97 | 18.83 | 21.18 | 25.40 | 29.42 | 29.42 | 29.42 | 29.42 | 29.42 | 29.42 | 29.42 | 29.42 | 29.42 | 29.42 | 29.42 |

❖ 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.)
❖ 회전방향은 ■색이 MOTOR의 회전방향과 동일방향이고, 기타는 MOTOR 회전방향과 반대방향입니다. (■ 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.)
❖ 'H' Type 전용으로 기종명에 표시하지 않습니다. (Only "H" type is applicable.)

# DIMENSIONS

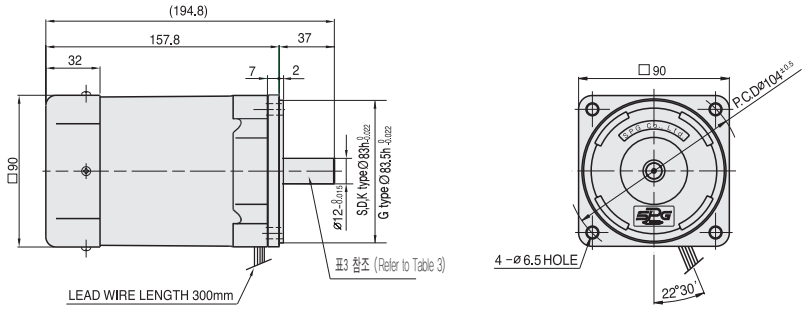
## ✚ GEARED MOTOR

※MOTOR MODEL : S9I200G□
※HEAD MODEL : S9□H3B~S9□H200B




## ✚ MOTOR

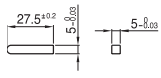
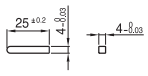
※MOTOR MODEL : S9I200□□




## ✚ WEIGHT – (표1 (Table1))

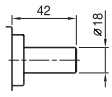
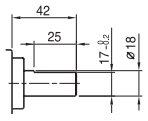
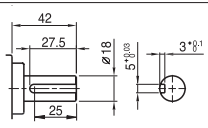
| PART | | WEIGHT(kg) |
|---|---|---|
| MOTOR | | 3.70 |
| GEAR HEAD | S9□H3B ~S9□H10B | 1.65 |
| | S9□H12.5B ~S9□H20B | 1.80 |
| | S9□H25B ~S9□H60B | 1.90 |
| | S9□H75B ~S9□H200B | 1.95 |

## ✚ KEY SPEC

| GEAR HEAD | MOTOR |
|---|---|
|  |  |

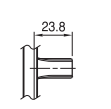
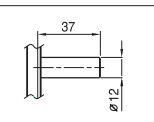
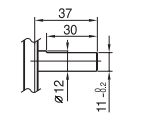
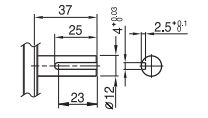


## ✚ GEAR HEAD 출력축 사양 (SPEC for output shaft of gearhead) – (표2 (Table2))

| MODEL | 출력축 구분 (TYPES OF OUTPUT SHAFT) |
|---|---|
| STRAIGHT TYPE<br>S9SH3B ~S9SH200B |  |
| D-CUT TYPE<br>S9DH3B ~S9DH200B |  |
| KEY TYPE<br>S9KH3B ~S9KH200B |  |



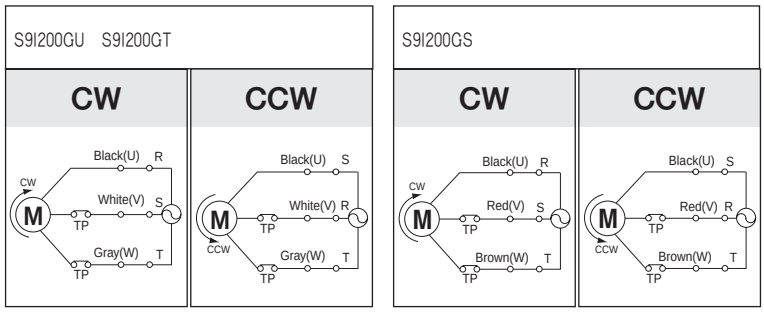
## ✚ MOTOR 출력축 사양 (SPEC for output shaft of motor) – (표3 (Table3))

| MODEL | 출력축 구분 (TYPES OF OUTPUT SHAFT) |
|---|---|
| GEAR TYPE<br>S9I200G□ |  |
| STRAIGHT TYPE<br>S9I200S□ |  |
| D-CUT TYPE<br>S9I200D□ |  |
| KEY TYPE<br>S9I200K□ |  |



# 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.)




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.)