

B AC Motors

Reversible Motor 40W(□90mm)

40W Reversible Motor 40W(□90mm)

Motor 사양

| Model | | Output | Voltage | Frequency | Poles | Duty | Starting Torque | | Rated Load | | | Capacitor | |
|--------------------------------|--------------------------------|--------|---------|-----------|-------|--------|------------------------------|-------|------------|-------|---------|-----------|------------|
| 9RDG*-40□(-T): Gear Type Shaft | 9RDD*-40(-T): D-Cut Type Shaft | | | | | | 9RDK*-40(-T): Key Type Shaft | kgfcm | N.m | Speed | Current | | Torque |
| Lead Wire Type | Terminal Box Type | W | V | Hz | | | | | r/min | A | kgfcm | N.m | μF / VAC |
| 9RDG1(A)-40□ | 9RDG1(A)-40□-T | 40 | 1∅ 110 | 60 | 4 | 30min. | 4.00 | 0.400 | 1600 | 1.25 | 2.44 | 0.244 | 16.0 / 250 |
| 9RDG2(D)-40□ | 9RDG2(D)-40□-T | 40 | 1∅ 220 | 60 | 4 | 30min. | 4.00 | 0.400 | 1600 | 0.61 | 2.44 | 0.244 | 4.0 / 450 |
| 9RDGE-40□ | 9RDGE-40□-T | 40 | 1∅ 220 | 50 | 4 | 30min. | 3.20 | 0.320 | 1350 | 0.36 | 2.89 | 0.289 | 3.0 / 450 |
| | | | 1∅ 240 | | | | 3.91 | 0.391 | | | | | |

- 1) 모터 모델명 * 자리에는 전압코드가, □ 안에는 부착되는 감속기의 모델 타입명이 들어갑니다.
- 2) 전압코드 A, D, E, G, K, L은 TP(Thermal Protector) 부착 사양입니다.
- 3) Gear Type Shaft는 감속기 부착용이며 D-Cut 및 Key Type Shaft는 모터 단독 사용시의 출력축입니다.

감속기 부착 시 최대허용토크

60Hz

| Motor Model | Gearbox Model | 감속비 | 2 | 3 | 3.6 | 5 | 6 | 7.5 | 9 | 10 | 12.5 | 15 | 18 | 20 | 25 | 30 | 36 | 40 | 50 | 60 | 75 | 90 | 100 |
|-------------|---------------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|
| 9RDG*-40G | 9GBK□BMH | kgfcm | 3.9 | 5.9 | 7.1 | 9.9 | 11.8 | 14.8 | 17.8 | 19.7 | 24.7 | 29.6 | 35.5 | 35.6 | 44.4 | 53.3 | 64.0 | 71.1 | 80.4 | 96.4 | 100.0 | 100.0 | 100.0 |
| | | N.m | 0.39 | 0.58 | 0.70 | 0.97 | 1.16 | 1.45 | 1.74 | 1.93 | 2.42 | 2.90 | 3.48 | 3.48 | 4.35 | 5.23 | 6.27 | 6.97 | 7.87 | 9.45 | 9.80 | 9.80 | 9.80 |

| Motor Model | Gearbox Model | 감속비 | 120 | 150 | 180 | 200 | Motor Model | Gearbox Model | 감속비 | 10 | 12 | 15 | 18 | 25 | 30 | 36 | 50 | 60 |
|-------------|---------------|-------|-------|-------|-------|-------|-------------|-----------------|-------|------|------|------|------|------|------|------|------|------|
| 9RDG*-40G | 9GBK□BMH | kgfcm | 100.0 | 100.0 | 100.0 | 100.0 | 9RDG*-40W | 9WD□BL/□BR/□BRL | kgfcm | 20.0 | 23.4 | 28.1 | 32.4 | 42.6 | 48.2 | 56.1 | 73.1 | 80.4 |
| | | N.m | 9.80 | 9.80 | 9.80 | 9.80 | | | N.m | 1.96 | 2.29 | 2.76 | 3.18 | 4.18 | 4.72 | 5.50 | 7.16 | 7.87 |

| Motor Model | Gearbox Model | 감속비 | 2 | 3 | 3.6 | 5 | 6 | 7.5 | 9 | 10 | 12.5 | 15 | 18 | 20 | 25 | 30 | 36 | 40 | 50 | 60 | 75 |
|-------------|--------------------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| 9RDG*-40P | 9PBK□BH 9PFK□BH | kgfcm | 3.9 | 5.9 | 7.1 | 9.9 | 11.8 | 14.8 | 17.8 | 19.7 | 22.2 | 26.7 | 32.0 | 35.6 | 40.2 | 48.2 | 57.9 | 64.3 | 80.4 | 96.4 | 107.7 |
| | | N.m | 0.39 | 0.58 | 0.70 | 0.97 | 1.16 | 1.45 | 1.74 | 1.93 | 2.18 | 2.61 | 3.14 | 3.48 | 3.94 | 4.72 | 5.67 | 6.30 | 7.87 | 9.45 | 10.56 |

| Motor Model | Gearbox Model | 감속비 | 90 | 100 | 120 | 150 | 180 | 200 |
|-------------|--------------------|-------|-------|-------|-------|-------|-------|-------|
| 9RDG*-40P | 9PBK□BH 9PFK□BH | kgfcm | 129.3 | 143.7 | 172.4 | 200.0 | 200.0 | 200.0 |
| | | N.m | 12.67 | 14.08 | 16.90 | 19.60 | 19.60 | 19.60 |

50Hz

| Motor Model | Gearbox Model | 감속비 | 2 | 3 | 3.6 | 5 | 6 | 7.5 | 9 | 10 | 12.5 | 15 | 18 | 20 | 25 | 30 | 36 | 40 | 50 | 60 | 75 | 90 | 100 |
|-------------|---------------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|
| 9RDG*-40G | 9GBK□BMH | kgfcm | 4.7 | 7.0 | 8.4 | 11.7 | 14.0 | 17.5 | 21.0 | 23.4 | 29.2 | 35.1 | 42.1 | 42.1 | 52.7 | 63.2 | 75.8 | 84.3 | 95.2 | 100.0 | 100.0 | 100.0 | 100.0 |
| | | N.m | 0.46 | 0.69 | 0.82 | 1.15 | 1.37 | 1.72 | 2.06 | 2.29 | 2.86 | 3.44 | 4.12 | 4.13 | 5.16 | 6.19 | 7.43 | 8.26 | 9.33 | 9.80 | 9.80 | 9.80 | 9.80 |

| Motor Model | Gearbox Model | 감속비 | 120 | 150 | 180 | 200 | Motor Model | Gearbox Model | 감속비 | 10 | 12 | 15 | 18 | 25 | 30 | 36 | 50 | 60 |
|-------------|---------------|-------|-------|-------|-------|-------|-------------|-----------------|-------|------|------|------|------|------|------|------|------|------|
| 9RDG*-40G | 9GBK□BMH | kgfcm | 100.0 | 100.0 | 100.0 | 100.0 | 9RDG*-40W | 9WD□BL/□BR/□BRL | kgfcm | 23.7 | 27.7 | 33.3 | 38.4 | 50.5 | 57.1 | 66.5 | 86.6 | 95.2 |
| | | N.m | 9.80 | 9.80 | 9.80 | 9.80 | | | N.m | 2.32 | 2.72 | 3.27 | 3.77 | 4.95 | 5.60 | 6.52 | 8.48 | 9.33 |

| Motor Model | Gearbox Model | 감속비 | 2 | 3 | 3.6 | 5 | 6 | 7.5 | 9 | 10 | 12.5 | 15 | 18 | 20 | 25 | 30 | 36 | 40 | 50 | 60 | 75 |
|-------------|--------------------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|
| 9RDG*-40P | 9PBK□BH 9PFK□BH | kgfcm | 4.7 | 7.0 | 8.4 | 11.7 | 14.0 | 17.5 | 21.0 | 23.4 | 26.3 | 31.6 | 37.9 | 42.1 | 47.6 | 57.1 | 68.6 | 76.2 | 95.2 | 114.3 | 127.7 |
| | | N.m | 0.46 | 0.69 | 0.82 | 1.15 | 1.37 | 1.72 | 2.06 | 2.29 | 2.58 | 3.10 | 3.72 | 4.13 | 4.67 | 5.60 | 6.72 | 7.47 | 9.33 | 11.20 | 12.51 |

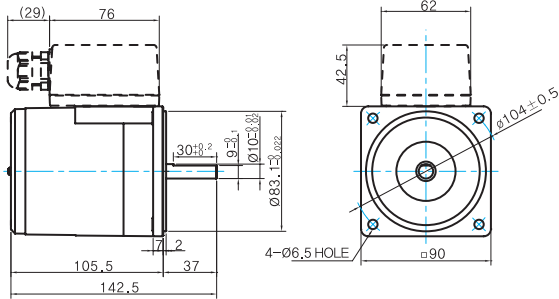
| Motor Model | Gearbox Model | 감속비 | 90 | 100 | 120 | 150 | 180 | 200 |
|-------------|--------------------|-------|-------|-------|-------|-------|-------|-------|
| 9RDG*-40P | 9PBK□BH 9PFK□BH | kgfcm | 153.2 | 170.3 | 200.0 | 200.0 | 200.0 | 200.0 |
| | | N.m | 15.02 | 16.69 | 19.60 | 19.60 | 19.60 | 19.60 |

- 1) 모터 모델명 * 자리에는 전압코드가 들어갑니다. 2) 감속기 모델명 □ 안에는 감속비가 들어갑니다. 3) 위의 표에서 색칠된 범위의 감속비를 선택했을 때 감속기의 출력축은 모터의 출력축과 같은 방향으로 회전합니다. 흰색 바탕 범위의 감속비에서는 감속기 출력축은 모터 출력축의 회전방향과 반대방향으로 회전합니다.
- 4) 회전속도(r/min)는 모터의 동기회전속도(50Hz:1500r/min, 60Hz:1800r/min)를 감속비로 나누어 계산합니다. 실제 회전속도는 부하의 크기에 따라 표시보다 2~20% 정도 느립니다.

Dimensions

MOTOR ONLY

- MOTOR MODEL: 9RDD□-40(-T) (NO FAN)

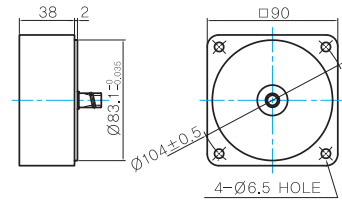


MOTOR OUTPUT SHAFT

| MODEL | SPEC |
|------------|------|
| D-CUT TYPE | |
| KEY TYPE | |
| 9RDD□-40 | |
| 9RDK□-40 | |

중간감속기

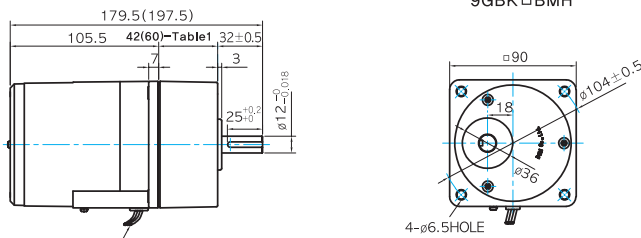
- MODEL: 9XD10□□



GEARED MOTOR

G TYPE GEARBOX

- MOTOR MODEL: 9RDG□-40G (NO FAN)
- GEARBOX MODEL: 9GBK□BMH

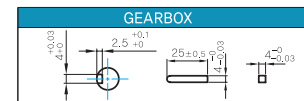


LEAD WIRE 300mm
UL STYLE NO,3271 AWG NO,20

GEARBOX OUTPUT SHAFT

| MODEL | SPEC |
|----------|------|
| KEY TYPE | |

KEY SPEC

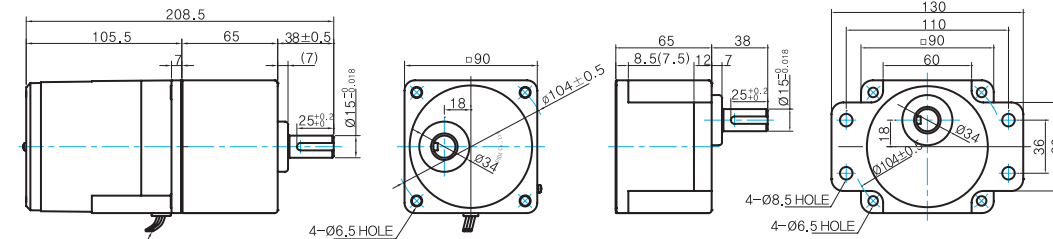


42(60)-Table1

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

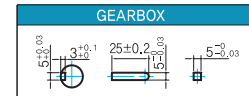
P TYPE GEARBOX

- MOTOR MODEL: 9RDG□-40P (NO FAN)
- GEARBOX MODEL: 9PBK□BH
- GEARBOX MODEL: 9PFK□BH



LEAD WIRE 300mm
UL STYLE NO,3271 AWG NO,20

KEY SPEC

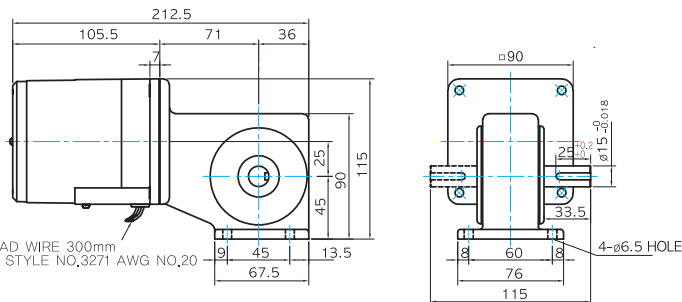


GEARBOX OUTPUT SHAFT

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

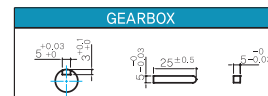
W TYPE GEARBOX

- MOTOR MODEL: 9RDG□-40W (NO FAN)
- GEARBOX MODEL: 9WD□BL/BR/BRL



LEAD WIRE 300mm
UL STYLE NO,3271 AWG NO,20

KEY SPEC



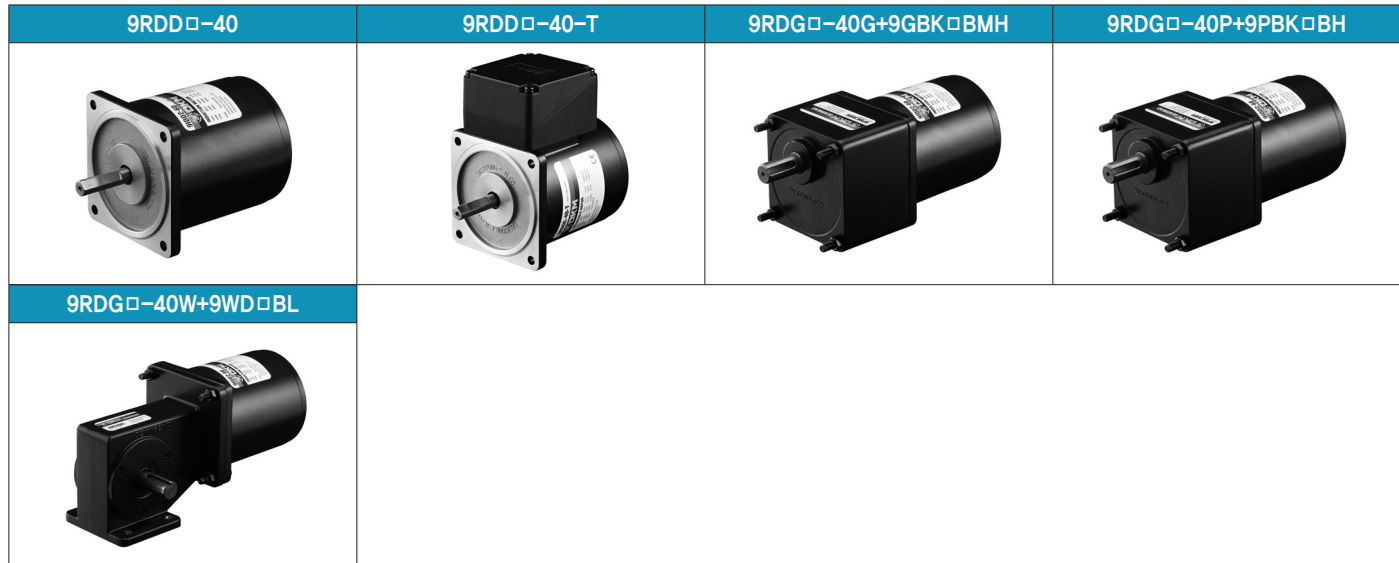
WEIGHT

| PART | WEIGHT(Kg) | |
|----------|-----------------------------|------|
| MOTOR | 2.45 | |
| GEAR BOX | 9GBK2BMH ~ 9GBK18BMH | 0.78 |
| | 9GBK20BMH ~ 9GBK40BMH | 1.1 |
| | 9GBK50BMH ~ 9GBK200BMH | 1.2 |
| | 9PB(F)K2BH ~ 9PB(F)K10BH | 1.28 |
| | 9PB(F)K12.5BH ~ 9PB(F)K20BH | 1.3 |
| | 9PB(F)K25BH ~ 9PB(F)K60BH | 1.45 |
| | 9PB(F)K75BH ~ 9PB(F)K200BH | 1.47 |
| | 9WD□BL/BR/BRL | 1.0 |
| | 9XD10□□ | 0.6 |

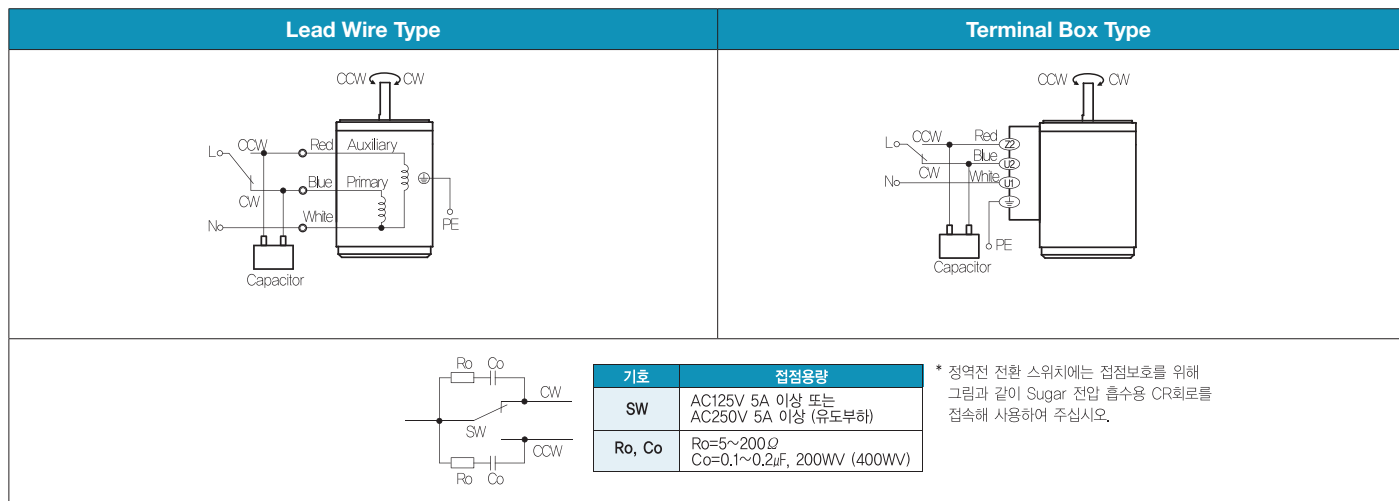
B AC Motors

Reversible Motor 40W(□90mm)

Motor Images



결선도



- 회전방향은 모터 축 측에서 본 방향을 나타냅니다.
- CW는 시계방향, CCW는 반시계방향입니다.
- 모터 운전중에 회전방향 전환이 가능합니다. 스위치를 CW 쪽으로 하면 모터는 시계방향으로, CCW 쪽으로 하면 반시계방향으로 회전합니다.