



프리미엄효율 (Premium Efficiency)

PML Series 3-Phase

2.2kW

■ SPECIFICATION

■ MOTOR

| 출력 Output (kW) | 기종명 Model Name | 극수 Poles | 전압 Voltage (V) | 주파수 Freq. (Hz) | 정격 부하 [Rated Load] | | | 사용 조건 Duty | 보호 등급 Degrees of protection | 절연 등급 Insulation Classification | 냉각 방식 Protective Cooling System |
|----------------|-----------------|----------|----------------|----------------|--------------------|--------------------|-------------------|------------|-----------------------------|---------------------------------|---------------------------------|
| | | | | | 전류 Current (A) | 모터속도 Speed (r/min) | 효율 Efficiency (%) | | | | |
| 2.2 | PML□-□-P□220R4□ | 4 | 220/380 | 60 | 8.10/4.70 | 1755 | 89.5 | CONT. | IP55 (IP40) | F | Totally Enclosed Fan-Cooled |
| | PML□-□-P□220W6□ | 4 | 200 | 50 | 9.00 | 1460 | 86.7 | | | | |
| | | | 220 | 60 | 8.10 | 1755 | 89.5 | | | | |
| | PML□-□-P□220X6□ | 4 | 380/400 | 50 | 4.80/4.75 | 1465/1465 | 86.7/86.7 | | | | |
| 400/440 | | | 60 | 4.40/4.30 | 1755/1760 | 89.5/89.5 | | | | | |

Note) • Brake 부착 Geared Motor는 방수방진 등급이 IP40 비방수형 제품과 IP55 방수형 제품의 2가지 Model이 있습니다.
 (The Brake Geared Motor is divided into 2 models : one is a non-water proof product with IP40 while the other is a waterproof product with IP55.)
 • IP40 모델과 IP55 모델의 전기적 특성 사양은 동일합니다.
 (The Models with IP40 and IP55 have the same electric characteristics.)

■ GEARED MOTOR – 50Hz

| Frame No. | 153 | | | | | | 172 | | | | | | | | | | |
|---------------------------------|---------|-----|------|------|------|------|-----|------|------|------|------|------|------|------|-------|-------|-------|
| 감속비 (Reduction gear ratio) | 5 | 10 | 15 | ★20 | ★30 | | 5 | 10 | 15 | 20 | ★30 | ★40 | ★50 | ★60 | ★75 | ★90 | ★100 |
| 회전 속도 (Rotation speed (r/min)) | 300 | 150 | 100 | 75 | 50 | | 300 | 150 | 100 | 75 | 50 | 37.5 | 30 | 25 | 20 | 16.7 | 15 |
| 출력 토크 (Output torque) | kgf · m | 7.1 | 14.1 | 21.3 | 28.3 | 42.4 | 7.1 | 14.1 | 21.3 | 28.3 | 42.4 | 54.8 | 68.5 | 82.1 | 102.8 | 123.3 | 137.5 |
| 최대 허용 토크 (Max allowable torque) | kgf · m | 23 | | | | | | 38.8 | | | | | | | | | |
| 허용(Allowable) O.H.L | kgf | 250 | 250 | 400 | 400 | 510 | 350 | 350 | 520 | 520 | 635 | 635 | | | | | |

| Frame No. | 181 | | | | | | 205 | | | | | 235 | | | 270 | | |
|---------------------------------|---------|------|------|------|-------|-------|-------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| 감속비 (Reduction gear ratio) | 40 | ★50 | ★60 | ★75 | ★90 | ★100 | ★120 | 60 | ★75 | ★90 | ★100 | ★120 | ★90 | ★100 | ★120 | 120 | |
| 회전 속도 (Rotation speed (r/min)) | 27.5 | 30 | 25 | 20 | 16.7 | 15 | 12.5 | 25 | 20 | 16.7 | 15 | 12.5 | 16.7 | 15 | 12.5 | 12.5 | |
| 출력 토크 (Output torque) | kgf · m | 54.8 | 68.5 | 85.1 | 102.8 | 123.3 | 137.5 | 164.3 | 82.1 | 102.8 | 123.3 | 137.5 | 164.3 | 123.3 | 137.5 | 164.3 | 164.3 |
| 최대 허용 토크 (Max allowable torque) | kgf · m | 58.3 | | | | | | 97 | | | | | 116.6 | | | 194 | |
| 허용(Allowable) O.H.L | kgf | 1100 | | | | | | 1500 | | | | | 1870 | | | 2400 | |

■ GEARED MOTOR – 60Hz

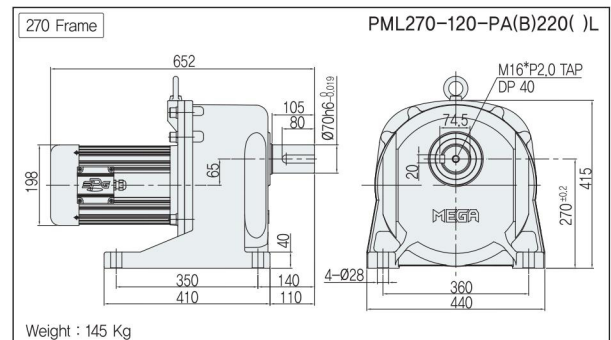
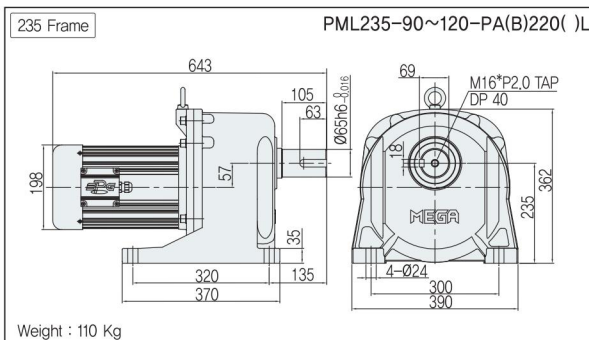
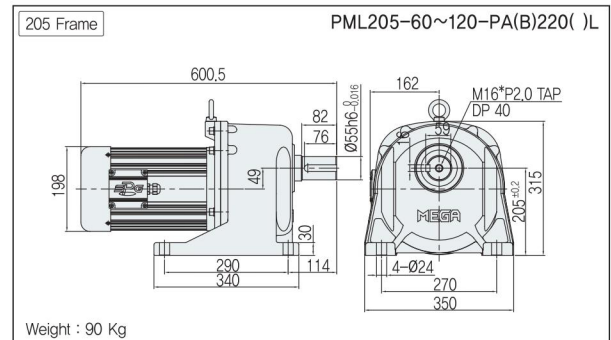
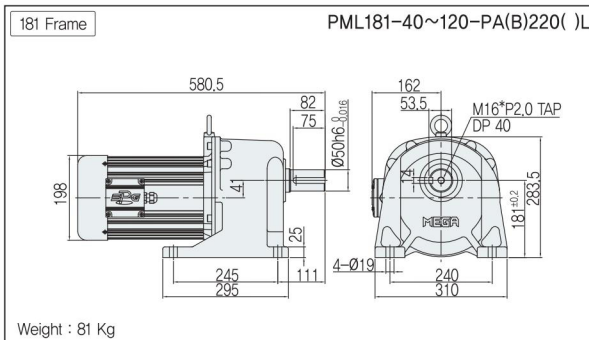
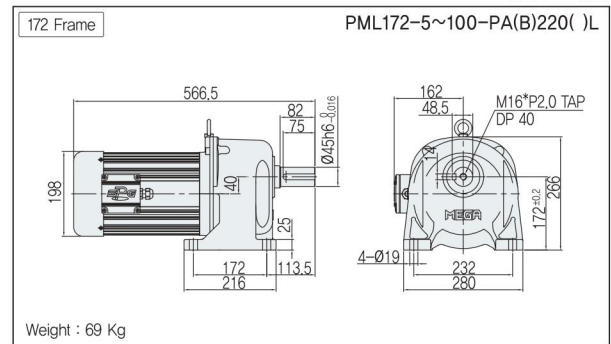
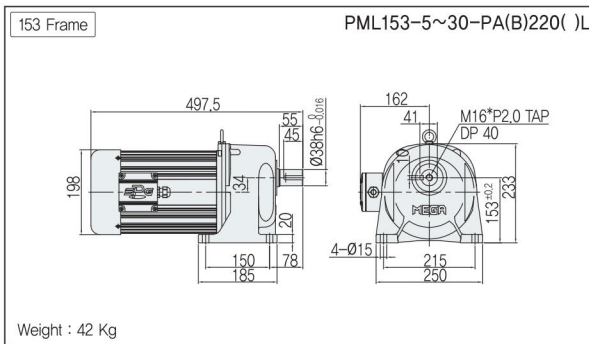
| Frame No. | 153 | | | | | | 172 | | | | | | | | | | |
|---------------------------------|---------|-----|------|-----|------|------|-----|------|-----|------|------|------|------|------|------|------|------|
| 감속비 (Reduction gear ratio) | 5 | 10 | 15 | 20 | ★30 | | 5 | 10 | 15 | 20 | 30 | ★40 | ★50 | ★60 | ★75 | ★90 | ★100 |
| 회전 속도 (Rotation speed (r/min)) | 360 | 180 | 120 | 90 | 60 | | 360 | 180 | 120 | 90 | 60 | 45 | 36 | 30 | 24 | 20 | 18 |
| 출력 토크 (Output torque) | kgf · m | 5.7 | 11.3 | 17 | 22.6 | 33.9 | 5.7 | 11.3 | 17 | 22.6 | 33.9 | 43.8 | 54.8 | 65.7 | 82.2 | 98.6 | 110 |
| 최대 허용 토크 (Max allowable torque) | kgf · m | 23 | | | | | | 38.8 | | | | | | | | | |
| 허용(Allowable) O.H.L | kgf | 250 | 250 | 400 | 400 | 510 | 350 | 350 | 520 | 520 | 635 | 635 | | | | | |

| Frame No. | 181 | | | | | | | 205 | | | | | 235 | | | 270 | |
|---------------------------------|---------|------|------|------|------|------|------|-------|------|------|------|------|-------|-------|------|-------|------|
| 감속비 (Reduction gear ratio) | 40 | 50 | ★60 | ★75 | ★90 | ★100 | ★120 | 60 | 75 | ★90 | ★100 | ★120 | 90 | 100 | ★120 | 120 | |
| 회전 속도 (Rotation speed (r/min)) | 45 | 36 | 30 | 24 | 20 | 18 | 15 | 30 | 24 | 20 | 18 | 15 | 20 | 18 | 15 | 15 | |
| 출력 토크 (Output torque) | kgf · m | 43.8 | 54.8 | 65.7 | 82.2 | 98.6 | 110 | 131.4 | 65.7 | 82.2 | 98.6 | 110 | 131.4 | 98.6 | 110 | 131.4 | |
| 최대 허용 토크 (Max allowable torque) | kgf · m | 58.3 | | | | | | | 97 | | | | | 116.6 | | | 194 |
| 허용(Allowable) O.H.L | kgf | 1100 | | | | | | | 1500 | | | | | 1870 | | | 2400 |

- Note) • 허용 O.H.L의 적용은 출력축 Shaft 인출길이의 중심부 기준 입니다.
(Application of allowable O.H.L is based on the center of protruded output shaft length.)
- ★ 표시 된 감속비의 출력 토크는 허용 토크 이하로 제한되며, 그 이상의 Frame 을 사용하는 것을 권장합니다.
(Gear ratio with '★' mark is limited to speed purpose only, recommend to use bigger frame for torque purpose.)
 - 회전 방향은 ■ 색이 Motor의 회전방향과 동일 방향이고, 나머지는 Motor 회전 방향과 반대 방향 입니다.
(For the direction of rotation, ■ color means the same direction with motor as viewed from the front shaft end of the motor, and the other is opposite direction from motor rotation direction.)

■ PML TYPE DIMENSIONS [Lead Box Type & Terminal Box Type]

UNIT = mm



기종명 (Model Name) Coding
▶ 5Page

출력축 사양 (Specification for output shaft)
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기술자료 (Technological Data)
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■ PML TYPE DIMENSIONS [Brake Type]

UNIT = mm

