



PAL Series 3-Phase

0.2kW

■ 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 (%) | | | | |
| 0.2 | PAL□-□-M□020R4□ | 4 | 220/380 | 60 | 1.10/0.60 | 1715 | 71.5 | CONT. | IP55 (IP40) | F | Totally Enclosed Fan-Cooled |
| | PAL□-□-M□020W6□ | 4 | 200 | 50 | 1.10 | 1415 | 71.7 | | | | |
| | | 4 | 200/220 | 60 | 1.00/1.00 | 1690/1715 | 72.8/73.2 | | | | |
| | PAL□-□-M□020X6□ | 4 | 380/400 | 50 | 0.60/0.60 | 1410/1420 | 71.0/67.2 | | | | |
| | | 4 | 400/440 | 60 | 0.50/0.50 | 1700/1720 | 70.8/73.4 | | | | |

- Brake 부착 Geared Motor는 방수방진 등급이 IP40 비방수형 제품과 IP55 방수형 제품의 2가지 Model 이 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. | 18 | | | | | 22 | | | | | 28 | | | | | |
|--------------------------------|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 감속비 (Reduction gear ratio) | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 80 | 100 | 100 | 120 | 160 | 200 | |
| 회전 속도 (Rotation speed (r/min)) | 300 | 150 | 100 | 75 | 60 | 50 | 37.5 | 30 | 25 | 18.8 | 15 | 15 | 12.5 | 9.4 | 7.5 | |
| 허용 토크 (Allowable torque) | kgf · m | 0.62 | 1.2 | 1.9 | 2.5 | 3.1 | 3.7 | 4.8 | 6 | 7.2 | 9.6 | 9.9 | 11.9 | 14.3 | 19.1 | 23.9 |
| | N · m | 6.1 | 11.8 | 18.6 | 24.5 | 30.4 | 36.3 | 47 | 58.8 | 70.6 | 94.1 | 97 | 117 | 140 | 187 | 234 |
| 허용 (Allowable) O.H.L | kgf | 60 | 90 | 100 | 120 | 130 | 180 | 190 | 200 | 220 | 250 | 250 | 290 | 340 | 350 | 350 |
| | N | 588 | 882 | 980 | 1180 | 1270 | 1760 | 1860 | 1960 | 2160 | 2450 | 2450 | 2840 | 3330 | 3430 | 3430 |

■ GEARED MOTOR – 60Hz

| Frame No. | 18 | | | | | 22 | | | | | 28 | | | | | |
|--------------------------------|---------|------|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 감속비 (Reduction gear ratio) | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 80 | 100 | 100 | 120 | 160 | 200 | |
| 회전 속도 (Rotation speed (r/min)) | 360 | 180 | 120 | 90 | 72 | 60 | 45 | 36 | 30 | 22.5 | 18 | 18 | 15 | 11.2 | 9 | |
| 허용 토크 (Allowable torque) | kgf · m | 0.51 | 1 | 1.5 | 2.1 | 2.6 | 3.1 | 4 | 5 | 6 | 8 | 8.2 | 10 | 11.9 | 15.9 | 19.9 |
| | N · m | 5 | 9.8 | 14.7 | 20.6 | 25.5 | 30.4 | 39.2 | 49 | 58.8 | 78.4 | 80.4 | 98 | 117 | 156 | 195 |
| 허용 (Allowable) O.H.L | kgf | 60 | 90 | 100 | 120 | 130 | 180 | 190 | 200 | 220 | 250 | 250 | 290 | 340 | 350 | 350 |
| | N | 588 | 882 | 980 | 1180 | 1270 | 1760 | 1860 | 1960 | 2160 | 2450 | 2450 | 2840 | 3330 | 3430 | 3430 |

- Note) • Permissible O.H.L (허용 Overhung 하중)의 적용은 출력축 Shaft 인출 길이의 중심부 기준임.(Permissible O.H.L (allowable overhung load) is based on the central part of the outlet length for output shaft)
- 회전 방향은 ■ 색이 Motor의 회전방향과 동일 방향이고, 나머지는 Motor 회전방향과 반대방향 입니다.(■ Color indicates the same direction of motor rotation, while other color indicates the opposite direction of motor rotation.)

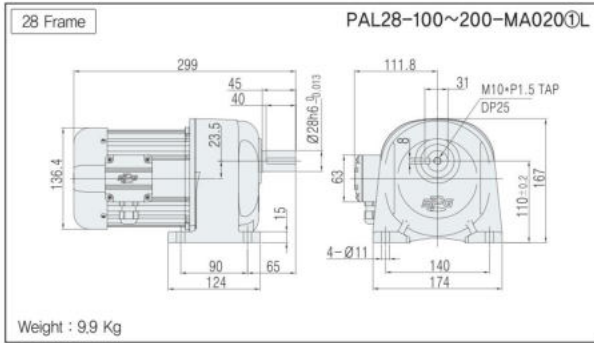
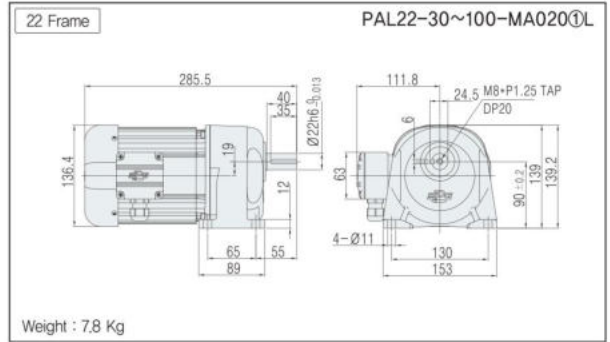
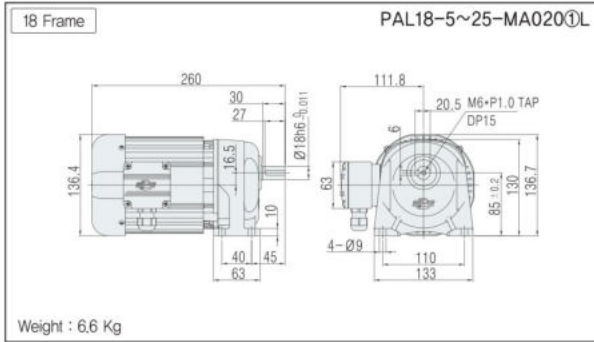
기종명 (Model Name) Coding
 36Page

출력축 사양 (Specification for output shaft)
 70Page

기술자료 (Technological Data)
 101Page

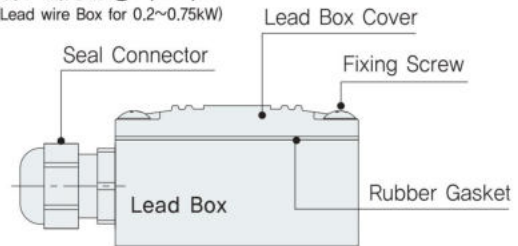
UNIT = mm

■ PAL TYPE DIMENSIONS [Lead Box Type]



• 기종명 구분(Model type) ① : 전원(Power) (Voltage & Frequency)

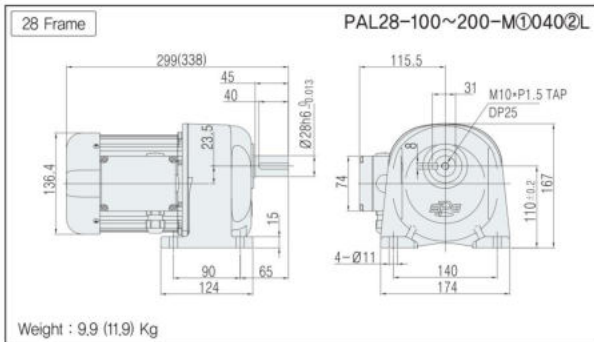
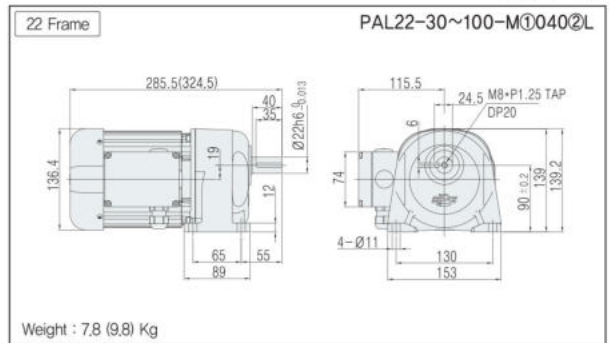
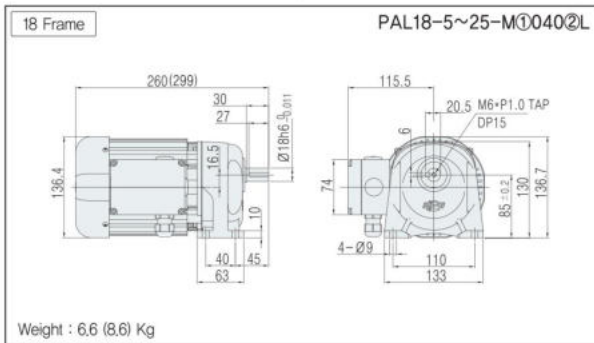
■ 0.2~0.75kW용 리드 박스
(Lead wire Box for 0.2~0.75kW)



■ PAL TYPE DIMENSIONS [Terminal Box Type]

- Note) • IP40 모델과 IP55 모델의 외관 치수는 동일합니다.(Dimensions for IP40 model and IP55 model are the same.)
 • BRAKE 부착 모델은 Terminal Box Type 을 기본으로 적용하고 있으며, Lead Box Type 은 적용하고 있지 않습니다.
 (The brake-attached model is applied to the Terminal Box Type for basic features, but does not apply to the lead wire box type.)
 • Dimensions 내의 () 치수 및 중량은 Brake 부착 모델의 사양입니다.(Dimension and weight in dimensions is for brake attached model specification)

UNIT = mm



• 기종명 구분(Model type) ① : 모터옵션(Motor option) (B, C, D)
 ② : 전원(Power) (Voltage & Frequency)

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(Lead wire Box for 0.2~0.75kW)

