

PAL Series 3-Phase 0.4kW

■ SPECIFICATION

■ MOTOR

출력 Output (kW)	기종명 Model Name	극수 Poles	전압 Voltage (V)	주파수 Freq. (Hz)	정격 부하 [Rated Load] 전류 Current (A)	모터속도 Speed (r/min)	효율 Efficency (%)	사용 조건 Duty	보호 등급 Degrees of protection	절연 등급 Insulation Classification	냉각 방식 Protective Cooling System
0.4	PAL□-□-M□040**R4**□	4	220/380	60	1.90/1.10	1735	74.1	CONT.	IP55 (IP40)	F	Totally Enclosed Fan-Cooled
	PAL□-□-M□040**W6**□	4	200	50	2.20	1450	74.2				
			200/220	60	1.80/1.90	1735/1745	76.4/75.7				
	PAL□-□-M□040**X6**□	4	380/400	50	1.10/1.10	1425/1430	75.5/74.1				
			400/440	60	1.00/1.00	1710/1725	75.4/75.2				

- 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.		22					28						32			
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 토르크 (Allowable torque)	kgf · m	1.2	2.5	3.7	4.9	6.2	7.4	9.6	11.9	14.3	19.1	19.7	23.9	28.7	38.2	44
	N · m	12	25	36	48	61	73	94	117	140	187	193	234	281	374	431
허용 (Allowable) O.H.L	kgf	90	120	140	150	170	260	290	320	350	350	350	500	600	600	600
	N	882	1180	1370	1470	1670	2550	2840	3140	3430	3430	3430	4900	5880	5880	5880

■ GEARED MOTOR - 60Hz

Frame No.		22					28						32			
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 토르크 (Allowable torque)	kgf · m	1	2.1	3.1	4.1	5.1	6.2	8	10	11.9	15.9	16.4	19.9	23.9	31.9	39.8
	N · m	10	21	30	40	50	61	78	98	117	156	161	195	234	313	390
허용 (Allowable) O.H.L	kgf	90	120	140	150	170	260	290	320	350	350	350	500	600	600	600
	N	882	1180	1370	1470	1670	2550	2840	3140	3430	3430	3430	4900	5880	5880	5880

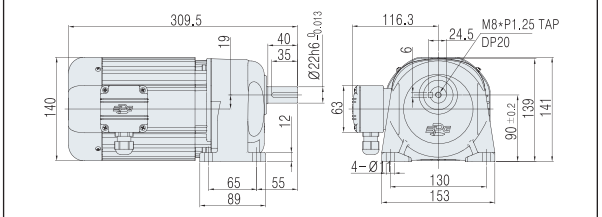
Note)
- Permissible O.H.L (허용 Overhung 하중)의 적용은 출력축 Shaft 인출 길이의 중심부 기준임.(Permissible O.H.L (allowable overhung load) is based on the central part of the outlet length for output shaft)
- "★"표시된 감속비의 제품은 Permissible Torque(허용토크)가 제한됩니다.(Permissible Torque is limited for products with a mark "★" of reduction gear ratio)
- 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

■ PAL TYPE DIMENSIONS [Lead Box Type]

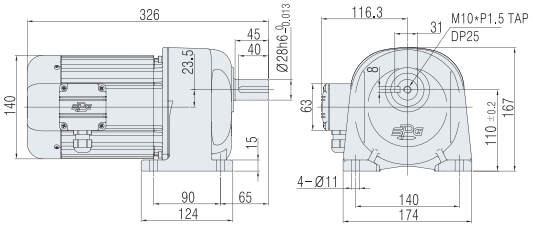
UNIT = mm

22 Frame — PAL22-5~25-MA040①L



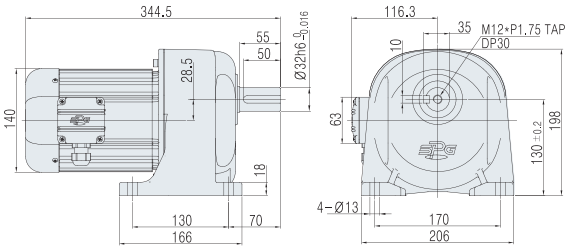
Weight : 9.3 Kg

28 Frame — PAL28-30~100-MA040①L



Weight : 11.6 Kg

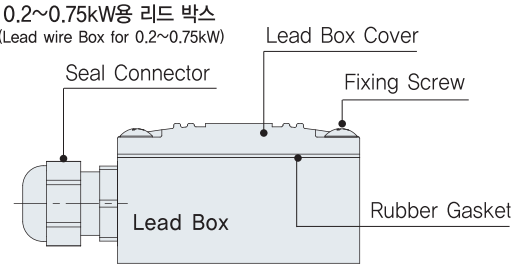
32 Frame — PAL32-100~200-MA040①L



Weight : 14.8 Kg

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

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

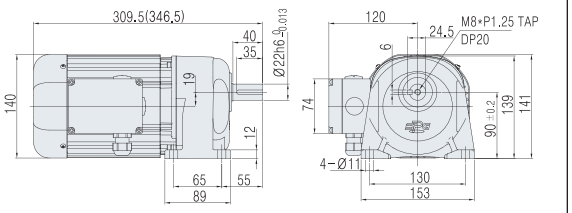


■ PAL TYPE DIMENSIONS [Terminal Box Type]

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)

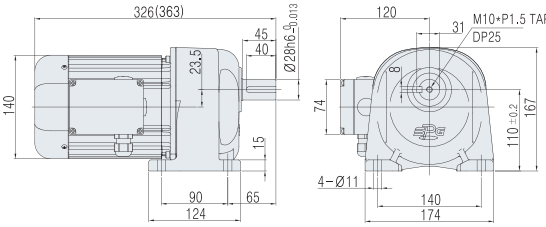
UNIT = mm

22 Frame — PAL22-5~25-M①040②L



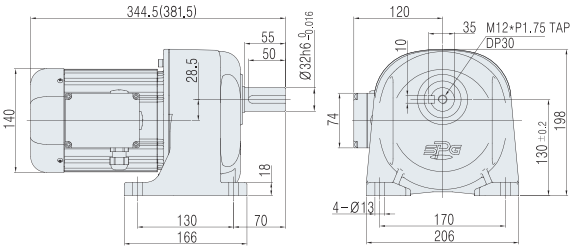
Weight : 9.3 (11.6) Kg

28 Frame — PAL28-30~100-M①040②L



Weight : 11.6 (13.9) Kg

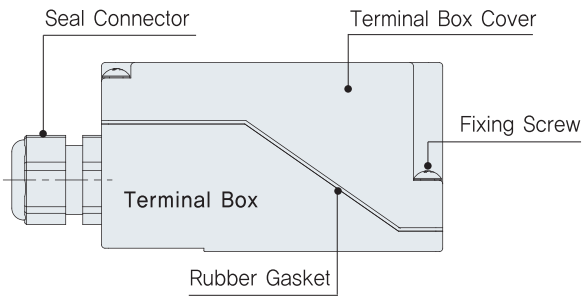
32 Frame — PAL32-100~200-M①040②L



Weight : 14.8 (17.1) Kg

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

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



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