



(주)디케이엠

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104각 400W 기어드모터 & 감속기

| 특허출원 |



• 104각 프레임 단상 250W~삼상 400W

평행축 감속기 (3 : 1 ~ 180 : 1)

중공축 원감속기 (7.5 : 1 ~ 40 : 1)

제품구성도

104각 Motor [상세설명 : P4~P5]



Motor

I : Induction Motor
B : Brake Motor

Phase & Voltage

D : 1Ø AC 220V 60Hz
E : 1Ø AC 220~240V 50Hz
6 : 3Ø 220/380V 60Hz
7 : 3Ø 230/400V 50Hz
8 : 3Ø 440V 50Hz

Fan Type

F : 일반 Fan (자력팬)

Connection Type

T : 단자박스 (Terminal Box) 타입

10 I D G 6 - 400 F U - T

Brand

D : DKM

Output Shaft Type

G : Gear Type Shaft (감속기 부착용)
K : Key Type Shaft

Output

250: 250W (D, E)
300: 300W (D, 7, 8)
400: 400W (6)

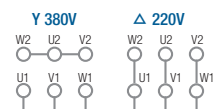
Gearbox

U : Ultra Powerful Box 타입 감속기
WH: 040 증공축 원감속기

Motor Frame Size

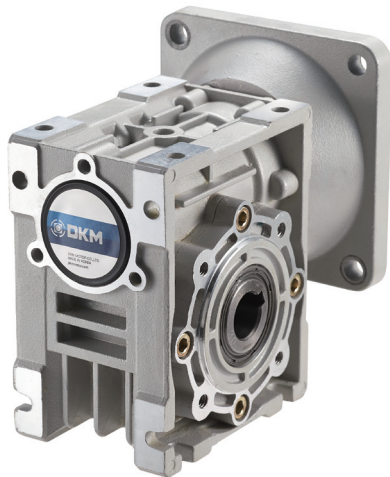
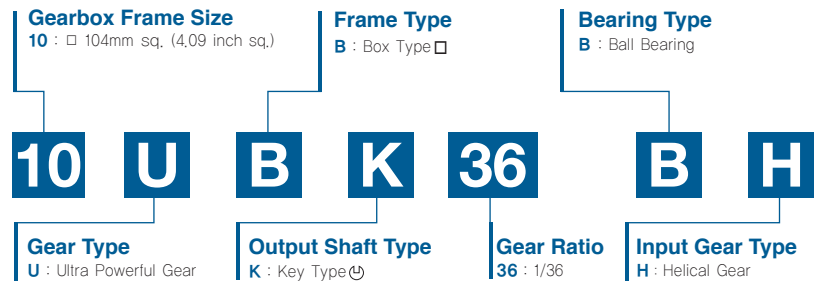
10 : □104mm sq. (4.09 inch sq.)

결선도 [6 7]

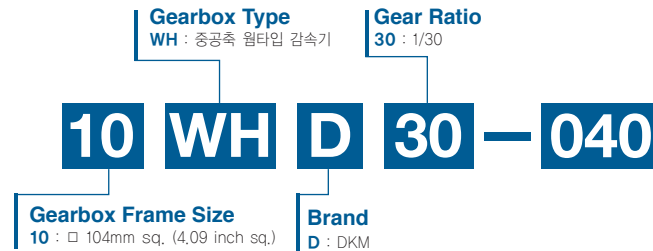




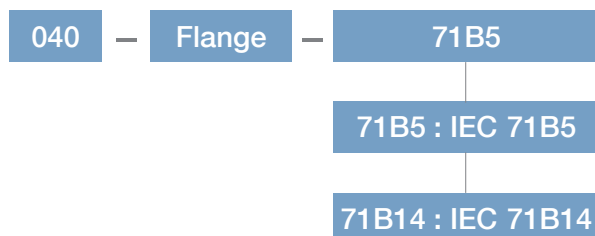
◎ 평행축 감속기 [상세설명 : P6]



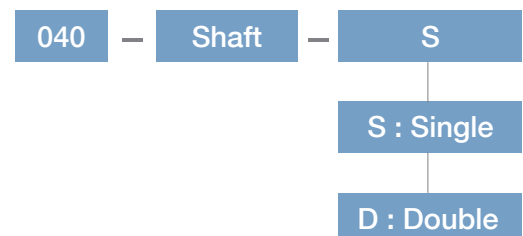
◎ 직교축 감속기 [상세설명 : P7]



■ 입력 플랜지



■ 출력 샤프트



■ 출력 플랜지



제품구성도 - 104각 모터

① 동급 최강 출력

- 3Ø 60Hz : 400W
- 1Ø 60Hz : 300W

② 컴팩트 디자인

- 장비경량화 설계 적용
- 공간효율 및 출력 극대화

③ 보호등급 강화

- IP54 적용
- 분진으로부터 보호
- 모든 방향의 분수로부터 보호



④ 절연등급 강화

- IEC 내열등급 기준 F종 적용
- 내환경성 강화

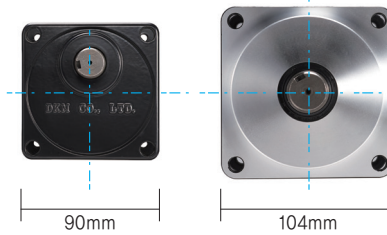
⑤ 단자박스 4가지 방향 설정가능



제품구성도 - 평행축 감속기



출력축 중앙설계 적용



- 적용장비 설계용이
- 설치 및 취부용이

동급 사양 최대허용토크

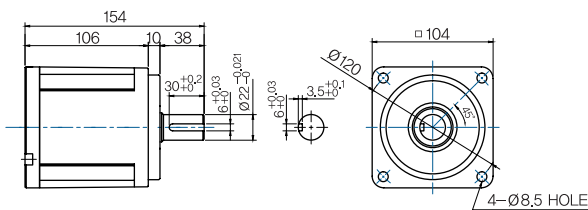


○ 최대허용토크

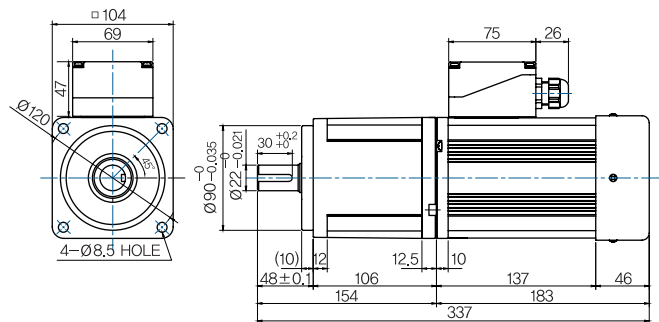
[illegible]

* 10IDGE-250F-T : 단상 220V 50Hz * 10IDG8-300F-T : 삼상 440V 50Hz * 10IDG7-300F-T : 삼상 230/400V 50Hz * 10IDG6-400F-T : 삼상 220/380V 60Hz

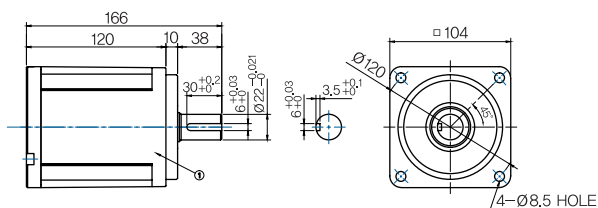
- GEARBOX MODEL: 10UBK□BH(Ratio 3:1 ~ 60:1)



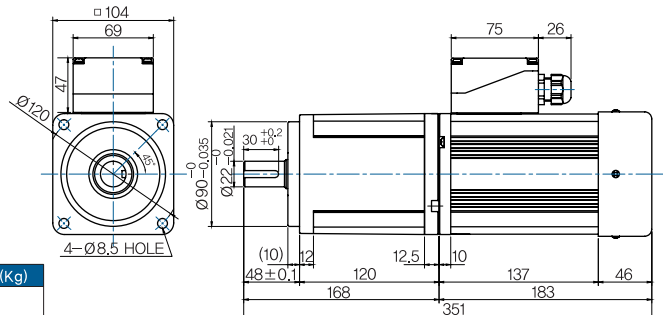
- MOTOR MODEL: 10IDK□-400F-T_10UBK□BH(Ratio 3:1 ~ 60:1)



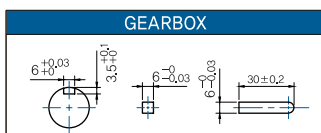
- GEARBOX MODEL: 10UBK□BH(Ratio 75:1 ~ 180:1)



- MOTOR MODEL: 10IDK□-400F-T_10UBK□BH(Ratio 75:1 ~ 180:1)



- KEY SPEC



- WEIGHT

PART		WEIGHT(Kg)
GEAR BOX	10UBK3BH ~ 10UBK10BH	2,1
	10UBK12.5BH ~ 10UBK18BH	2,15
	10UBK20BH ~ 10UBK60BH	2,2
	10UBK75BH ~ 10UBK200BH	2,3

제품구성도 - 중공축 월감속기



감각적 디자인



이전



현재

동급 사양 최대허용토크



90°
WHD감속기



최대허용토크 2배이상 증가



104°
WHD감속기

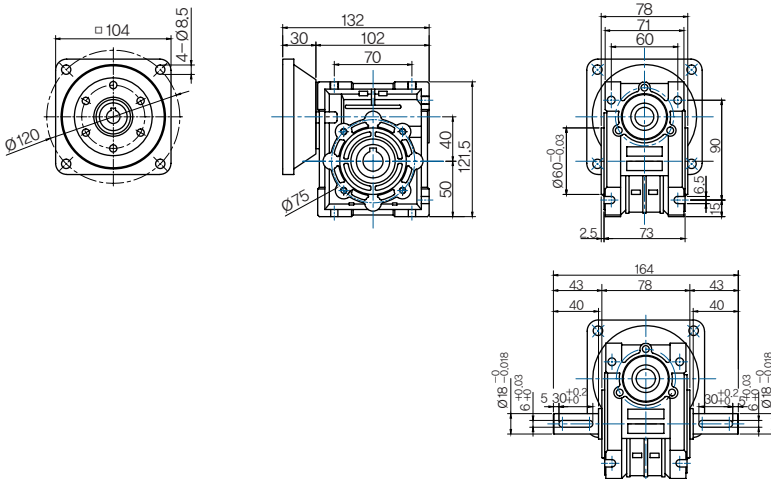
최대허용토크

Motor Output	Ratio		7.5	10	15	20	25	30	40	50	60	80	100
	50Hz	r/min	200	150	100	75	60	50	37.5	30	25	18.75	15
	60Hz		240	180	120	90	72	60	45	36	30	22.5	18
250W	50Hz	kgfcm	100	130	190	240	290	325	305	*	*	*	*
300W	50Hz		145	190	270	350	415	465	440	*	*	*	*
400W	60Hz		160	210	310	390	470	530	440	*	*	*	*

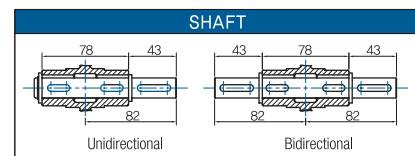
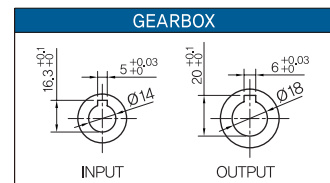
* 10IDGE-250F-T : 단상 220V 50Hz * 10IDG8-300F-T : 삼상 440V 50Hz * 10IDG7-300F-T : 삼상 230/400V 50Hz * 10IDG6-400F-T : 삼상 220/380V 60Hz

감속기 외형도

GEARBOX MODEL: 10WHD□-040(7.5~40)



KEY SPEC



WEIGHT

	PART	WEIGHT(Kg)
GEAR BOX	10WHD□□-040	2.2

GEARBOX MODEL: 10IDG□-400FWH-T_10WHD□-040

