

HCType

Helicross
Type Gearbox
헬리크로스 감속기



 90mm Model: 9HC □ - ◇ **최대허용토크**

* 인덕션 모터 부착시의 참고치수입니다.

Motor Model	감속비		15	20	25	30	40	50	60	80	100	120	160	200	225	240
	60Hz	r/min	120	90	72	60	45	36	30	22.5	18	15	11.25	9	8	7.5
	50Hz		100	75	60	50	37.5	30	25	18.8	15	12.5	9.4	7.5	6.7	6.25
90W	60Hz	kgfcm	60.0	80.0	100.0	120.0	160.0	200.0	240.0	320.0	399.9	479.9	639.9	799.9	899.9	959.9
	50Hz		71.1	94.8	118.5	142.2	189.6	237.0	284.4	379.2	474.0	568.8	758.4	948.0	1066.5	1137.6
120W	60Hz		80.0	106.7	133.3	160.0	213.3	266.6	320.0	426.6	533.3	639.9	853.2	1066.5	1199.8	1279.8
	50Hz		94.8	126.4	158.0	189.6	252.8	316.0	379.2	505.6	632.0	758.4	1011.2	1264.0	1422.0	1516.8
150W	60Hz		103.2	137.6	172.0	206.4	275.2	344.0	412.9	550.5	688.1	825.7	1100.9	1376.2	1548.2	1651.4
	50Hz		123.1	164.1	205.1	246.1	328.2	410.2	492.2	656.3	820.4	984.5	1312.7	1640.8	1800.0	1800.0
180W	60Hz		120.0	160.0	200.0	240.0	320.0	399.9	479.9	639.9	799.9	959.9	1279.8	1599.8	1799.8	1800.0
	50Hz		147.7	196.9	246.1	295.3	393.8	492.2	590.7	787.6	984.5	1181.4	1575.2	1800.0	1800.0	1800.0
200W	60Hz		137.6	183.5	229.4	275.2	367.0	458.7	550.5	734.0	917.4	1100.9	1467.9	1800.0	1800.0	1800.0
	50Hz		164.1	218.8	273.5	328.2	437.6	546.9	656.3	875.1	1093.9	1312.7	1750.2	1800.0	1800.0	1800.0

 104mm Model: 10HC □ - ◇ 최대허용토크

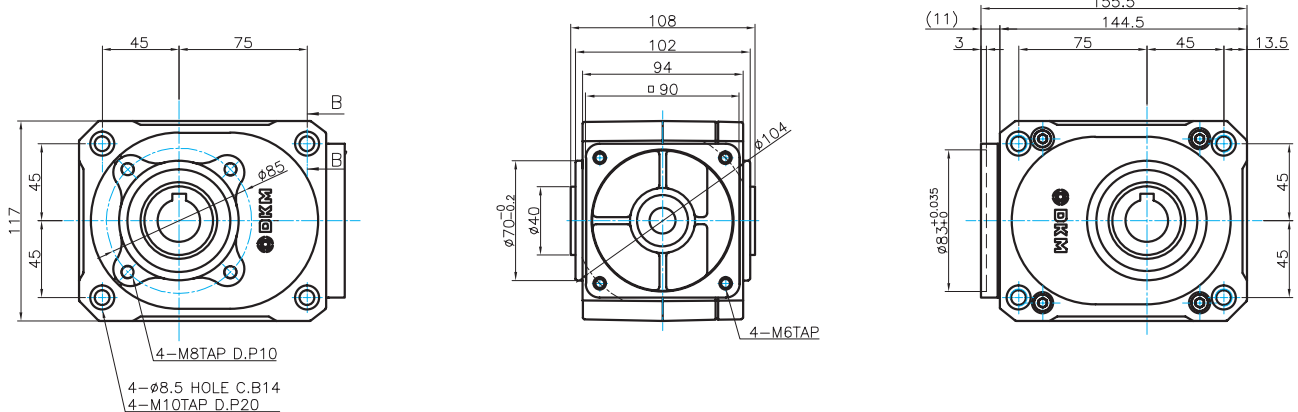
* 인덕션 모터 부착시의 참고치수입니다.

Motor Model	감속비		15	20	25	30	40	50	60	80	100	120	160	200	225	240
	60Hz	r/min	120	90	72	60	45	36	30	22.5	18	15	11.25	9	8	7.5
	50Hz		100	75	60	50	37.5	30	25	18.8	15	12.5	9.4	7.5	6.7	6.25
250W	50Hz	kgfcm	213.3	284.4	355.5	426.6	568.8	711.0	853.2	1137.6	1422.0	1706.4	2275.3	2844.1	3000.0	3000.0
300W	60Hz		200.0	266.6	333.3	399.9	533.3	666.6	799.9	1066.5	1333.2	1599.8	2133.1	2666.3	2999.6	3000.0
	50Hz		246.1	328.2	410.2	492.2	656.3	820.4	984.5	1312.7	1640.8	1969.0	2625.3	3000.0	3000.0	3000.0
400W	60Hz		266.6	355.5	444.4	533.3	711.0	888.8	1066.5	1422.0	1777.6	2133.1	2844.1	3000.0	3000.0	3000.0

- 1) 감속기 모델명 □ 안에는 감속비, ◇ 안에는 출력축 재질이 들어갑니다.
- 2) 위에 표에서 배열된 범위의 감속비를 선택했을 때 감속기의 출력축은 모터의 출력축과 같은 방향으로 회전합니다. 현재 배터 내장된 기어에서는 감속기 출력축은 모터 출력축의 회전방향과 반대방향으로 회전합니다.
- 3) 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.
- 4) N, m의 값은 kgfcm 값에 0.098를 곱하여 구합니다.

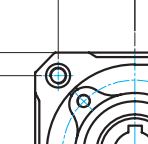
 Dimensions (9HC $\square$ - $\diamond$)

- 감속비율 1/15~1/60

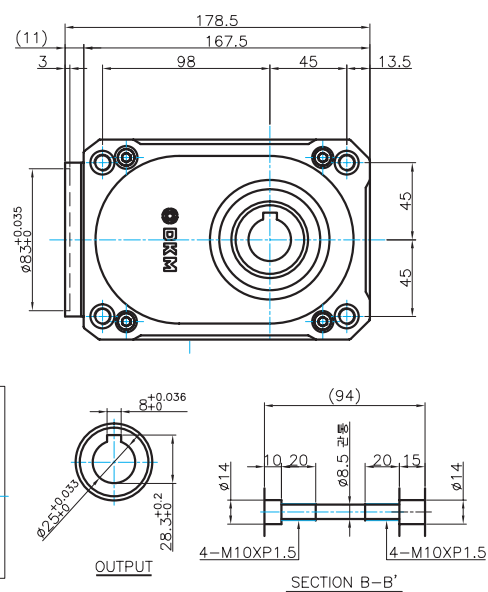
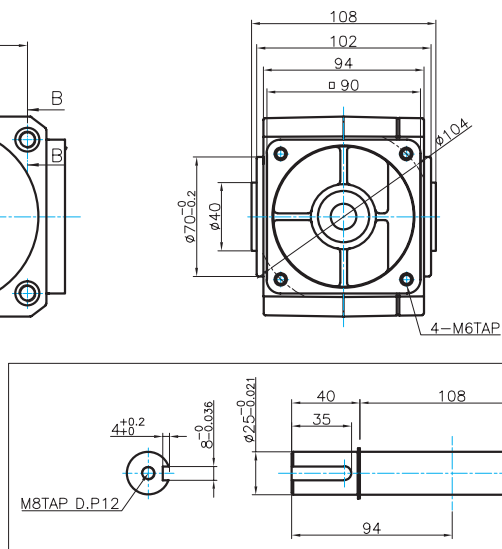


- 1) □ 안에는 감속 비율이 들어갑니다. (15 : 15:1 / 20 : 20:1 / 25 : 25:1 · · ·)
2) ◇ 자리에는 감속기의 출력축 재질이 들어갑니다. (B : S45C / S : SUS)

직교축 감속기

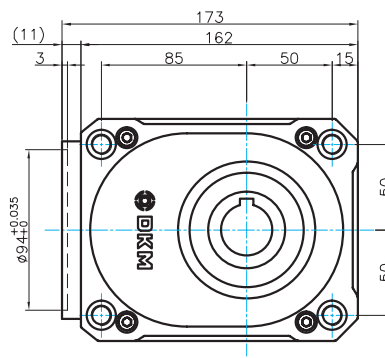
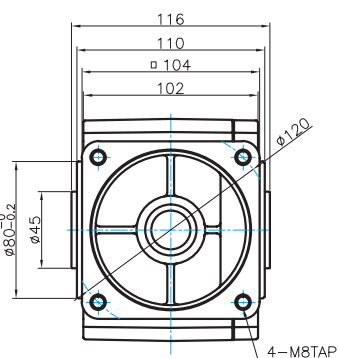
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- Technical drawing of the front view of the 4-Port 100mm x 100mm 100psi 1/2" NPT Female Porting Block. The drawing shows a square block with rounded corners and four mounting holes. Dimensions are provided: overall width 98mm, overall height 117mm, and mounting hole spacing of 45mm. The mounting holes are specified as 4-M8TAP D.P10. The central port is specified as 4-ø8.5 HOLE C.B14 4-M10TAP D.P20. The drawing also shows a 1/2" NPT female port on the right side.

※ SHAFT는 별매입니다



Dimensions (10HC $\square$ - $\diamond$)

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- Technical drawing of the front view of a square flange. The drawing shows a square flange with a central circular feature. Dimensions are provided: overall width 85, overall height 130, and a central square hole with side length 50. The central hole is labeled with a diameter of $\phi 9.5$. The flange has four mounting holes, each labeled $4-\phi 10.5 \text{ HOLE C.B17}$ and $4-M12 \text{ TAP D.P25}$. The flange is labeled with the code **DKM**. The drawing also shows a side view with dimensions B and B' .



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- Technical drawing of the front view of a motor. The drawing shows a rectangular frame with rounded corners and a central circular motor housing. Dimensions are provided: overall width is 114, overall height is 130, and the central housing has a diameter of 95. There are four mounting holes (4-M10TAP D.P10) and four smaller holes (4-ø10.5 HOLE C.B17). The motor is labeled 'DKM'.

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