

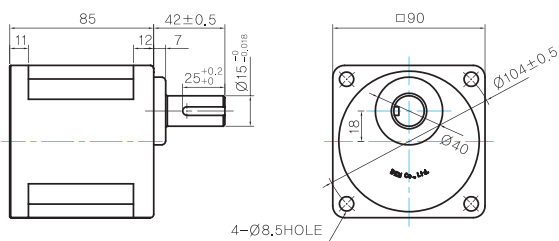
# D Gearbox

## Parallel Gearbox

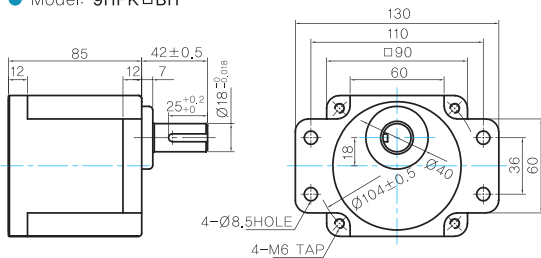
# H Type High Powerful Box / Flange Type Gearbox

### Dimensions

Model: 9HBK□BH



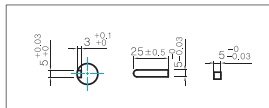
Model: 9HFK□BH



MOTOR OUTPUT SHAFT

MODEL	SPEC
KEY TYPE	

KEY SPEC



WEIGHT

Model	WEIGHT (Kg)
9HB(F)K3BH ~ 9HB(F)K9BH	1.45
9HB(F)K12.5BH ~ 9HB(F)K18BH	1.5
9HB(F)K20BH ~ 9HB(F)K60BH	1.7
9HB(F)K75BH ~ 9HB(F)K180BH	1.8

### Gearbox Images

9HBK□BH



9HFK□BH



### 9HBK□BH/9HFK□BH – Max. Permissible Torque

\* These are reference figures when the Gearbox is attached to the induction motor.

Motor Output	Gear Ratio	3	3.6	6	9	12.5	15	18	20	25	30	36	50	60	75	90	100	120	150	180	200			
																						r/min	60Hz	50Hz
																							60Hz	50Hz
60W	60Hz	10.5	12.5	20.9	31.4	39.4	47.3	56.7	57.1	71.4	85.7	102.8	142.8	171.4	192.2	230.6	256.2	300.0	300.0	300.0	300.0	300.0		
	50Hz	12.9	15.5	25.9	38.8	48.8	58.5	70.2	70.7	88.4	106.1	127.3	176.8	212.2	237.9	285.5	300.0	300.0	300.0	300.0	300.0	300.0		
90W	60Hz	16.9	20.3	33.9	50.8	63.8	76.5	91.8	92.5	115.6	138.7	166.5	231.2	277.4	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0		
	50Hz	18.4	22.1	36.9	55.3	69.4	83.3	99.9	100.6	125.8	151.0	181.2	251.6	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0		
120W	60Hz	18.9	22.7	37.8	56.8	71.3	85.5	102.6	103.4	129.2	155.0	186.0	258.4	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0		
	50Hz	24.4	29.3	48.8	73.2	91.9	110.3	132.3	133.3	166.6	199.9	239.9	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0		
150W	60Hz	24.2	29.0	48.3	72.5	90.9	109.1	131.0	131.9	164.9	197.9	237.5	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0		
	50Hz	28.1	33.8	56.3	84.4	105.9	127.1	152.6	153.7	192.1	230.5	276.6	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0		
180W	60Hz	27.4	32.9	54.8	82.2	103.1	123.8	148.5	149.6	187.0	224.4	269.3	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0		
	50Hz	34.9	41.8	69.7	104.6	131.3	157.5	189.0	190.4	238.0	285.6	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0		
200W	60Hz	32.4	38.8	64.7	97.1	121.9	146.3	175.5	176.8	221.0	265.2	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0		
	50Hz	37.4	44.8	74.7	112.1	140.6	168.8	202.5	204.0	255.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0		

1) Enter the gear ratio in the box (□) within the Gearbox model name.

2) A colored background indicates gear shaft rotation in the same direction as the motor shaft; a white background indicates rotation in the opposite direction.

3) The rotating speed is calculated by dividing the motor's synchronous speed (50Hz: 1,500r/min, 60Hz: 1,800r/min) by the gear ratio. The actual speed is 2~20% less than the displayed value, depending on the size of the load. 4) Calculation of N.m  $\approx$  kgfcm X 0.98