P Type

**Powerful Box /
Flange Type Gearbox**

Dimensions

● Model: 9PBK□BH
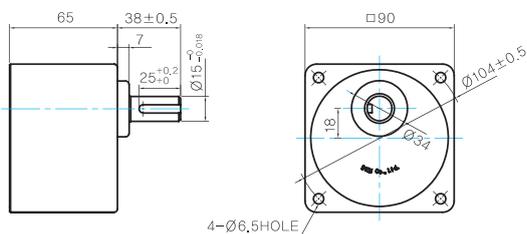

● Model: 9PFK□BH
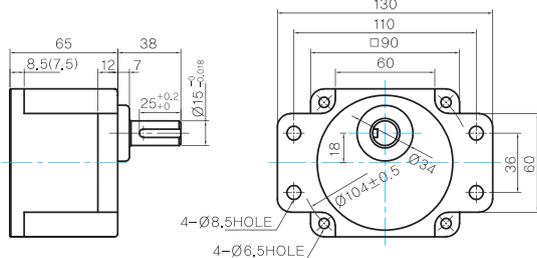
● **MOTOR OUTPUT SHAFT**

MODEL	SPEC
KEY TYPE	

● **KEY SPEC**
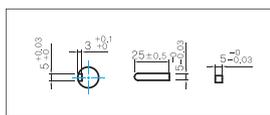
◎ **WEIGHT**

Model	WEIGHT(Kg)
9PB(F)K2BH ~ 9PB(F)K18BH	1.3
9PB(F)K20BH ~ 9PB(F)K180BH	1.4

Gearbox Images

9PBK□BH/9PFK□BH – Max. Permissible Torque

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

Motor Output	Gear Ratio		2	3	3.6	5	6	7.5	9	12.5	15	18	20
	60Hz	r/min	900	600	500	360	300	240	200	144	120	100	90
	50Hz		750	500	417	300	250	200	167	120	100	83	75
60W	60Hz	kgfcm	7.0	10.5	12.5	17.4	20.9	26.1	31.4	39.4	47.3	56.7	57.1
	50Hz		8.6	12.9	15.5	21.6	25.9	32.4	38.8	48.8	58.5	70.2	70.7
90W	60Hz		11.3	16.9	20.3	28.2	33.9	42.3	50.8	63.8	76.5	91.8	92.5
	50Hz		12.3	18.4	22.1	30.7	36.9	46.1	55.3	69.4	83.3	99.9	100.6
120W	60Hz		12.6	18.9	22.7	31.5	37.8	47.3	56.8	71.3	85.5	102.6	103.4
	50Hz		16.3	24.4	29.3	40.7	48.8	61.0	73.2	101.7	122.0	146.4	162.7

Motor Output	Gear Ratio		25	30	36	40	50	60	75	90	100	120	150	180	200
	60Hz	r/min	72	60	50	45	36	30	24	20	18	15	12	10	9
	50Hz		60	50	42	38	30	25	20	17	15	13	10	8	7.5
60W	60Hz	kgfcm	71.4	85.7	102.8	114.2	142.8	171.4	192.2	200.0	200.0	200.0	200.0	200.0	200.0
	50Hz		88.4	106.1	127.3	141.4	176.8	200.0	200.0	200.0	200.0	200.0	200.0	200.0	200.0
90W	60Hz		115.6	138.7	166.5	185.0	200.0	200.0	200.0	200.0	200.0	200.0	200.0	200.0	200.0
	50Hz		125.8	151.0	181.2	200.0	200.0	200.0	200.0	200.0	200.0	200.0	200.0	200.0	200.0
120W	60Hz		129.2	155.0	186.0	200.0	200.0	200.0	200.0	200.0	200.0	200.0	200.0	200.0	200.0
	50Hz		200.0	200.0	200.0	200.0	200.0	200.0	200.0	200.0	200.0	200.0	200.0	200.0	200.0

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) Caculation of N.m ≒ kgfcm X 0.98