

Induction Motor 200W(□90mm)

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Motor Specification

Model		Output W	Voltage V	Frequency Hz	Poles	Duty	Starting Torque		Rated Load			Capacitor μF / VAC	
Lead Wire Type	Terminal Box Type						kgfcm	N.m	Speed r/min	Current A	Torque kgfcm N.m		
9IDGG-200F□	9IDGG-200F□-T	200	3∅220	50	4	Cont.	32.00	3.200	1300	1.40	15.00	1,500	-
				60			27.00	2.700	1550	1.20	13.00	1,300	
9IDGK-200F□	9IDGK-200F□-T	200	3∅380	50	4	Cont.	26.00	2.600	1300	0.69	15.00	1,500	-
				60			22.00	2.200	1550	0.61	12.80	1,280	
			3∅400	50	4	Cont.	30.00	3.000	1300	0.75	15.00	1,500	
				60			25.00	2.500	1600	0.60	12.20	1,220	

1) Enter the phase & voltage code in the place * and enter the model type of attaching Gearbox in the box (□) within the motor model name.

2) All models contain a built-in thermal protector.

3) Gear Type Shaft is for attaching Gearbox and D-Cut & Key Type Shafts are for using motor only.

※ It is not possible to use inverter for three phase 380~440V motor. When inverter is used, the insulation of winding coil becomes hot and may cause damage to the motor.

Max. Permissible Torque at Output Shaft of Gearbox

60Hz

Motor Model	Gearbox Model	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	600	500	300	200	144	120	100	90	72	60	50	30	30	30	24	20	18	15	12	10
9IDG□-200FH	9HBK□BH 9HFK□BH	kgfcm	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
		N.m	3.17	3.81	6.34	9.52	11.94	14.33	17.20	17.33	21.66	25.99	29.40	29.40	29.40	29.40	29.40	29.40	29.40	29.40	29.40	29.40	29.40

Motor Model	Gearbox Model	Gear Ratio	7.5	10	15	20	25	30	40	50	60	80	100
			r/min	240	180	120	90	72	60	45	36	30	22.5
9IDG□-200FWH	9WHD□-030 9WHD□-040	kgfcm	81.9	105.3	148.2	183.7	214.3	204.1	183.7	173.5	163.3	132.7	-
		N.m	8.02	10.32	14.52	18.00	21.00	20.00	18.00	17.00	16.00	13.00	-
		kgfcm	-	-	-	-	-	-	-	315.0	330.0	295.0	270.0
		N.m	-	-	-	-	-	-	-	30.88	32.35	28.92	26.47

50Hz

Motor Model	Gearbox Model	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	500	417	250	167	120	100	83	75	60	50	42	30	25	20	17	15	13	10	8	7.5
9IDG□-200FH	9HBK□BH 9HFK□BH	kgfcm	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
		N.m	3.66	4.39	7.32	10.98	13.78	16.54	19.85	19.99	24.99	29.40	29.40	29.40	29.40	29.40	29.40	29.40	29.40	29.40	29.40	29.40	29.40

Motor Model	Gearbox Model	Gear Ratio	7.5	10	15	20	25	30	40	50	60	80	100
			r/min	200	150	100	75	60	50	37.5	30	25	18.75
9IDG□-200FWH	9WHD□-030 9WHD□-040	kgfcm	94.5	121.5	171.0	183.7	214.3	204.1	183.7	173.5	163.3	132.7	-
		N.m	9.26	11.91	16.76	18.00	21.00	20.00	18.00	17.00	16.00	13.00	-
		kgfcm	-	-	-	-	-	-	-	350.0	330.0	295.0	270.0
		N.m	-	-	-	-	-	-	-	34.31	32.35	28.92	26.47

1) Enter the phase & voltage code in the box (□) within the motor model name.

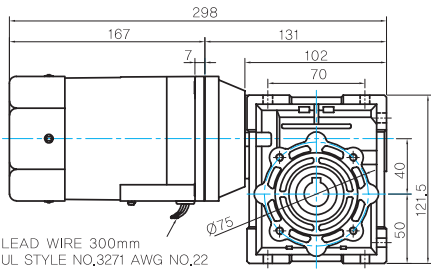
2) Enter the gear ratio in the box (□) within the Gearbox model name.

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

4) The rotating speed is calculated by dividing the motor's synchronous speed (50Hz: 1,500r/min, 60Hz: 1,800r/min) by the gear ratio.

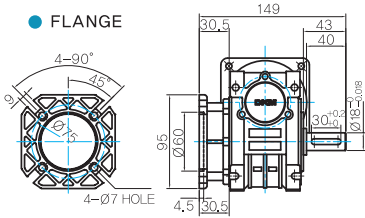
The actual speed is 2~20% less than the displayed value, depending on the size of the load.

● MOTOR MODEL:
9IDD□-200FWH (GENERAL FAN)

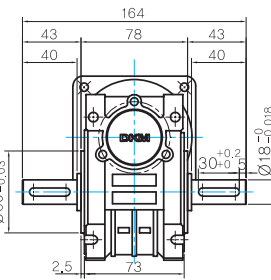


LEAD WIRE 300mm
UL STYLE NQ,3271 AWG NO,22

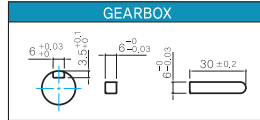
● FLANGE



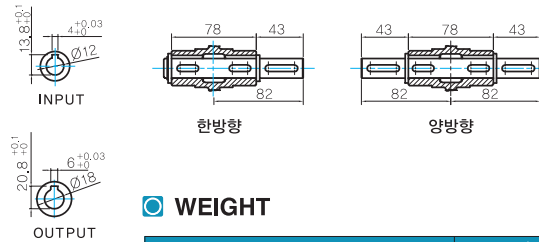
● GEARBOX MODEL:
9WHD□-040



● KEY SPEC



● SHAFT



● WEIGHT

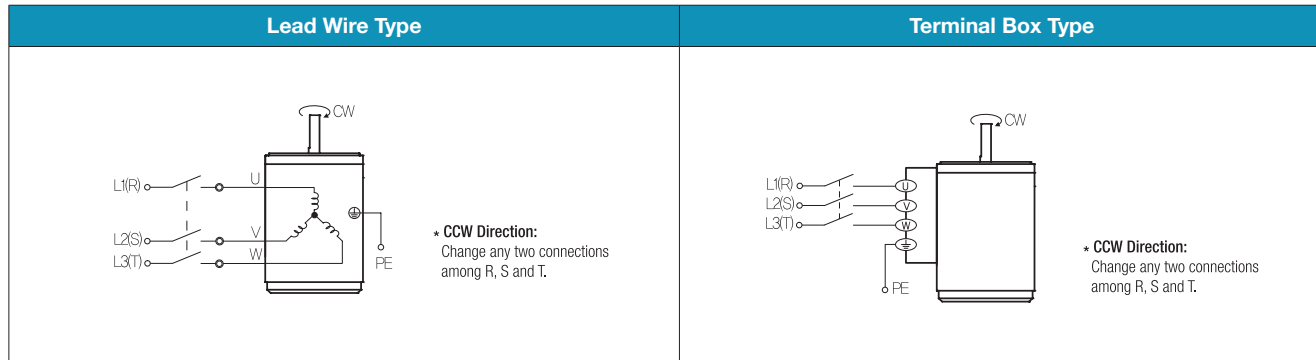
PART		WEIGHT(Kg)
GEAR BOX	MOTOR	3.0
	9HB(F)K3BH ~ 9HB(F)K9BH	1.45
	9HB(F)K12.5BH ~ 9HB(F)K18BH	1.5
	9HB(F)K20BH ~ 9HB(F)K60BH	1.7
	9HB(F)K75BH ~ 9HB(F)K200BH	1.8
	9WHD□-030	1.13
9WHD□-040	2.2	
9XD10□□	0.5	

* 출력 FLANGE와 SHAFT는 별매입니다.

Motor Images



Connection Diagrams



1) The direction of motor rotation is as viewed from the shaft end of the motor.
2) CW represents the clockwise direction, while CCW represents the counterclockwise direction.