

Induction Motor 250W(□104mm)

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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		
-	10IDGD-300F□-T	300	1Ø 220	60	4	Cont.	13.60	1,360	1600	2.52	18.27	1,827	15.0 / 450
-	10IDG7-300F□-T	300	3Ø 230	50	4	Cont.	47.00	4,700	1300	1.70	22.48	2,248	-
			3Ø 400				47.00	4,700	1300	1.01	22.48	2,248	
-	10IDG8-300F□-T	300	3Ø 440	50	4	Cont.	47.00	4,700	1300	0.88	22.48	2,248	-
				60			35.00	3,500	1550	0.88	18.86	1,886	

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) voltage code E & D 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

50Hz

Motor Model	Gearbox Model	Ratio	3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180
			r/min	600	500	360	300	240	200	180	144	120	100	90	72	60	50	45	36	30	24	20	18	15	12
10IDG7-300FU-T	10UBK	kgfcm	55	70	95	110	140	170	170	210	250	270	300	300	300	350	350	350	400	400	400	400	400	400	400
10IDG8-300FU-T	□BH	N.m	5.4	6.9	9.3	11	14	17	17	21	25	26	29	29	29	34	34	34	39	39	39	39	39	39	39

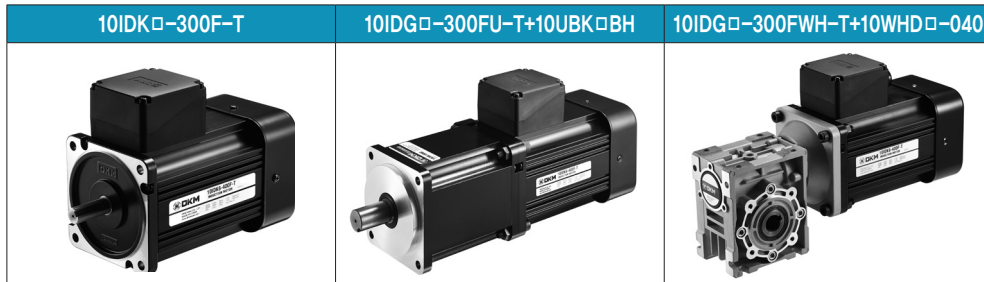
Motor Model	Gearbox Model	Gear Ratio	7.5	10	15	20	25	30	40	50	60	80	100
			r/min	200	150	100	75	60	50	37.5	30	25	18.75
10IDG7-300FWH-T	10WHD□-040	kgfcm	95	125	175	225	270	300	285	*	*	*	*
10IDG8-300FWH-T		N.m	9.30	12.20	17.10	22.00	26.40	29.40	27.90	*	*	*	*

60Hz

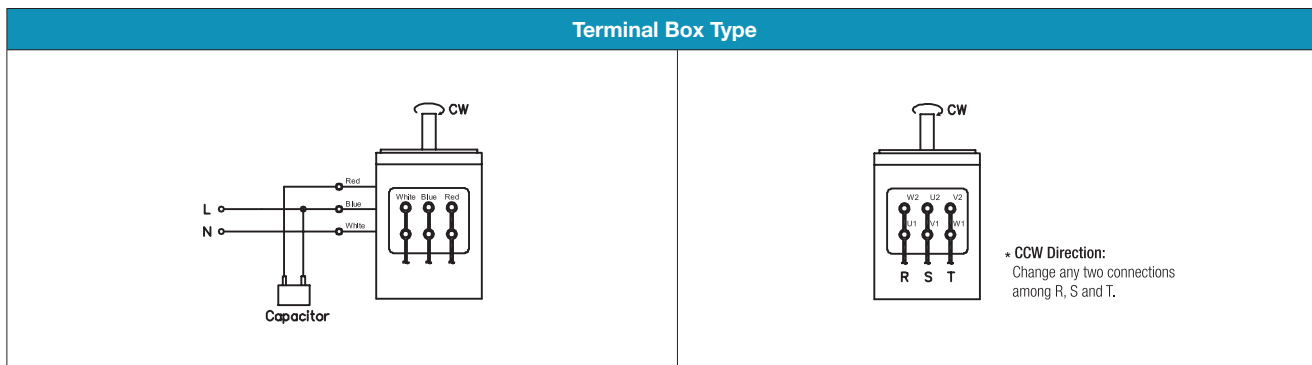
Motor Model	Gearbox Model	Ratio	3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180
			r/min	600	500	360	300	240	200	180	144	120	100	90	72	60	50	45	36	30	24	20	18	15	12
10IDGD-300FU-T	10UBK	kgfcm	45	55	75	90	115	135	140	170	205	225	250	300	300	350	350	350	400	400	400	400	400	400	400
10IDG8-300FU-T	□BH	N.m	4.41	5.39	7.35	8.82	11.27	13.23	13.72	16.66	20.09	22.05	24.5	29.4	29.4	34.3	34.3	34.3	39.2	39.2	39.2	39.2	39.2	39.2	39.2

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
10IDGD-300FWH-T	10WHD□-040	kgfcm	115	150	215	275	335	375	350	*	*	*	*
10IDG8-300FWH-T		N.m	11.20	14.70	21.00	26.90	32.80	36.70	34.30	*	*	*	*

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.