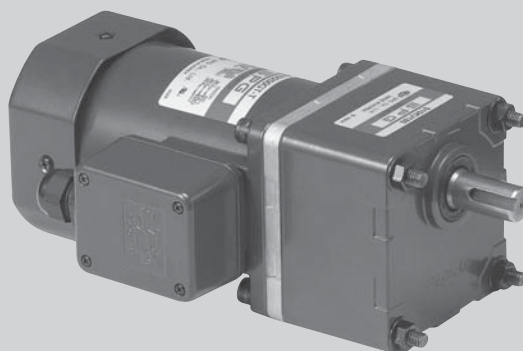
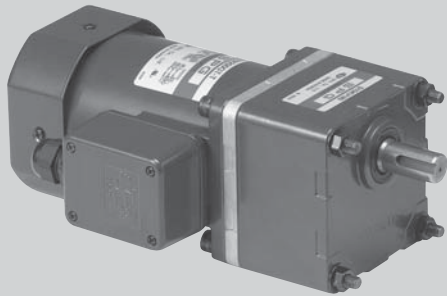


200W □104 MOTOR & GEAR HEAD

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200W □104 MOTOR & GEAR HEAD	274
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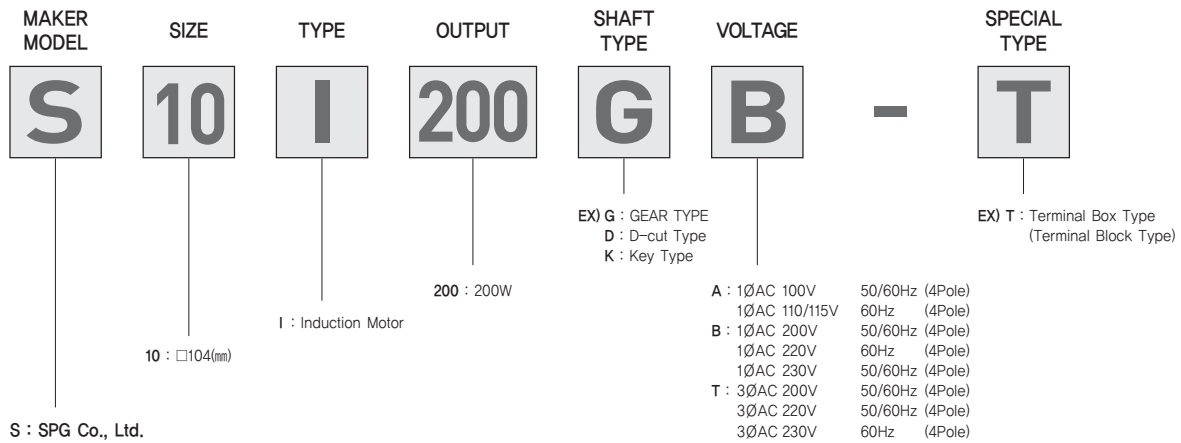
200W

□ 104 MOTOR & GEAR HEAD

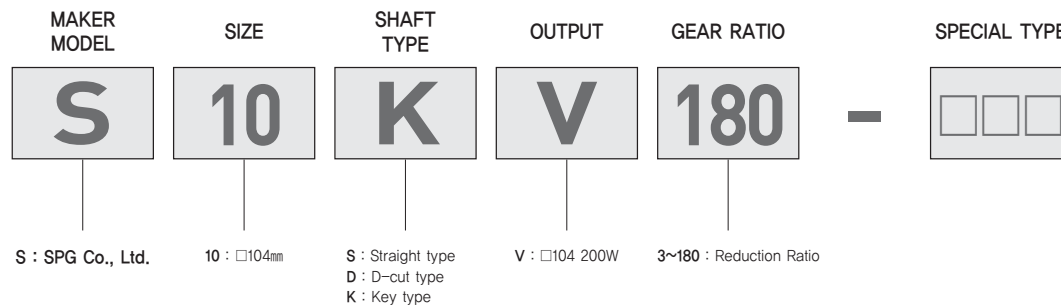
□ Characteristics of 104 MOTOR & GEAR HEAD

- Large output and high strength applicable
: Maximum Permissible TORQUE is 400 kgf · cm, It is applied to BALL BEARING, NEEDLE BEARING of high strength.
- Improvement of strength and noise through precise processing of GEAR BOX.
- Improvement of security for TERMINAL BOX TYPE MOTOR(IP54).
- Applicable in America, Europe & S.E Asia (Basic Type)
- Insulation Class : B Class (130°C).

□ 104 MOTOR CODING SYSTEM



□ 104 GEAR HEAD CODING SYSTEM



Type		Poles	Output (W)	Voltage (V)	Freq. (Hz)	Duty	Rated Load			Starting Touque (kgf-cm)	Capacitor (μF)
TERMINAL BOX	LEAD WIRE						Current (A)	Speed (rpm)	Torque (kgf-cm)		
S10I200□A-T	S10I200□A	4	200	1∅ 100	50	CONT.	3.45	1250	15.6	8.8	47
					60		3.05	1550	12.6	8.8	
				1∅ 115	60		2.85	1550	12.6	8.8	40
					60		2.85	1600	12.2	9.8	
S10I200□B-T	S10I200□B	4	200	1∅ 200	50	CONT.	1.65	1250	15.6	8.8	12
					60		1.57	1550	12.6	8.8	
				1∅ 220	60		1.40	1550	12.6	8.8	10
					50		1.66	1300	15.0	9.8	
				1∅ 230	60		1.36	1600	12.2	9.8	
					50		1.10	1250	15.6	15.6	
S10I200□T-T	S10I200□T	4	200	3∅ 200	50	CONT.	1.10	1250	15.6	15.6	-
					60		1.05	1500	13.0	13.0	
				3∅ 220	50		1.05	1300	15.0	15.0	
					60		0.95	1550	12.6	12.6	
				3∅ 230	60		0.95	1600	12.2	12.2	
					50						

50Hz

GEAR RATIO		3	3.6	5	6	7.5	9	12.5	15	18	25	30	36	50	60	75	90	100	120	150	180
MODEL	rpm	500	417	300	250	200	167	120	100	83	60	50	42	30	25	20	17	15	12.5	10	8.3
	kg-cm	41	49	68	82	103	123	163	196	235	327	392	400	400	400	400	400	400	400	400	400
S10KV□	N·m	4.1	4.9	6.8	8.2	10.3	12.3	16.3	19.6	23.5	32.7	39.2	40	40	40	40	40	40	40	40	40
	Efficiency	90%						86%						81%							

60Hz

GEAR RATIO		3	3.6	5	6	7.5	9	12.5	15	18	25	30	36	50	60	75	90	100	120	150	180
MODEL	rpm	600	500	360	300	240	200	144	120	100	72	60	50	36	30	24	20	18	15	12	10
	kg-cm	34	41	57	69	86	103	137	164	197	273	328	393	400	400	400	400	400	400	400	400
S10KV□	N·m	3.4	4.1	5.7	6.9	8.6	10.3	13.7	16.4	19.7	27.3	32.8	39.3	40	40	40	40	40	40	40	40
	Efficiency	90%						86%						81%							

- ❖ ■ color indicates that the output shaft of the geared motor rotates in the same direction as the output shaft of the motor. Others indicate rotation in the opposite direction.
- ❖ Rpm is based on synchronous speed (50Hz: 1500rpm, 60Hz: 1800rpm) divided by gear ratio.
The actual rotation speed can be 2~20% less than displayed value depending on the load.
- ❖ The efficiency referenced may vary when applied.

PERMISSIBLE LOAD INERTIA MOMENT

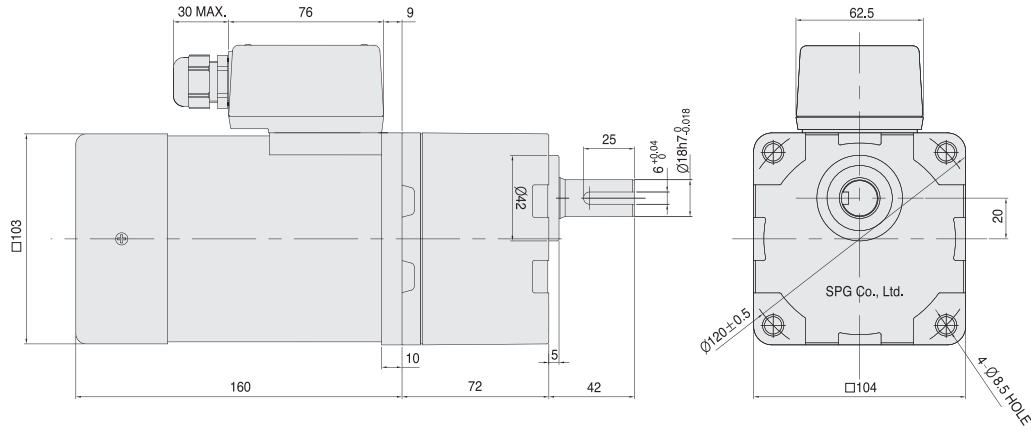
DIVISION	PERMISSIBLE LOAD INERTIA MOMENT IN OUTPUT SHAFT		REMARK
	J (× 10 ⁴ kg·m ²)	GD ² (kgf·cm ²)	
MOTOR	2	8	J _G : Permissible load inertia on the gear head output shaft. J _M : Permissible load inertia on the motor shaft. i : Gear Ratio
GEAR HEAD	J _G = J _M × i ² (Gear ratio 1/3~1/50) J _G = J _M × 2500 (Gear ratio 1/60 or higher)		

PERMISSIBLE OVERHUNG, TRUHST LOAD

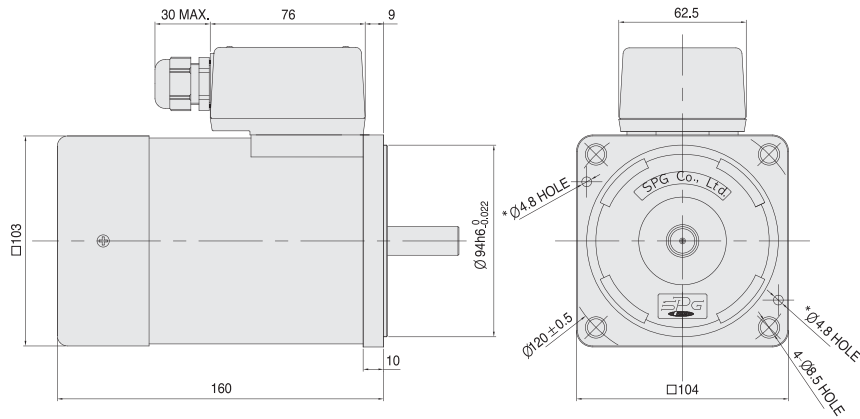
DIVISION	PERMISSIBLE OVERHUNG LOAD, N (kgf)		PERMISSIBLE THRUST LOAD N (kgf)
	DISTANCE FROM FRONT EDGE OF SHAFT (SPINDLE)		
	10mm	20mm	
MOTOR	320(32)	350(35)	-
GEAR HEAD	GEAR RATIO 1/3~36	550(55)	200(20)
	GEAR RATIO 1/50~180	650(65)	

DIMENSIONS : TERMINAL BOX TYPE

- + GEARED MOTOR ※ MOTOR MODEL : S10I200□□ -T
- ※ GEAR HEAD MODEL : S10KV□



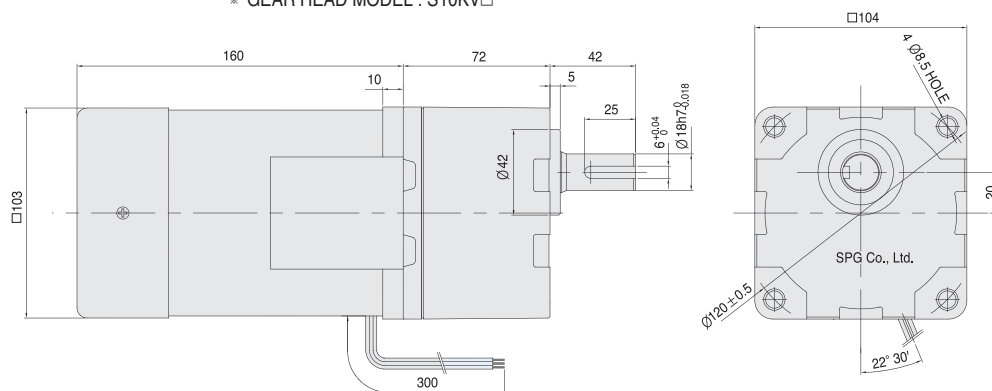
- + MOTOR ※ MOTOR MODEL : S10I200□□ -T



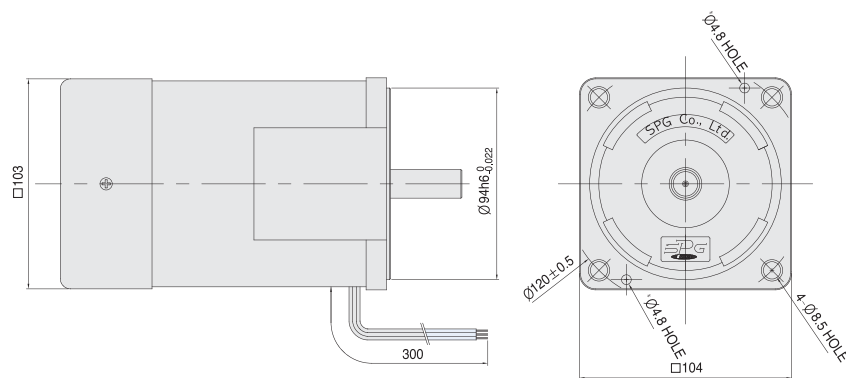
+ SPEC for ott shaft of Motor

DIMENSIONS : LEAD WIRE TYPE

+ GEARED MOTOR * MOTOR MODEL : S10I200□□
 * GEAR HEAD MODEL : S10KV□



+ MOTOR * MOTOR MODEL : S10I200□□



+ SPEC for ott shaft of Motor

SCHEMATIC DIAGRAMS

The direction of motor rotation is as viewed from the front shaft end of the motor.

