

SIGMA-7 ROBOT MOTORS FOR EXTERNAL AXIS USE - YRC ONLY

MOTOR PART #		SGM7G-13APK-YRX1	SGM7G-20APK-YR11	SGM7G-30APK-YRX1	SGM7G-37APK-YRX1	SGM7G-44APK-YRX2	SGM7G-55APK-YRX1
MOTOMAN PART #		181858-1	184083-1	184046-1	183895-1	183956-1	184631-1
MATCHING SERVOPACK		CSRA-SDB71HA	CSRA-SDB71HA	CSRA-SDB71HA	CSRA-SDB71HA	CSRA-SDB71HA	CSRA-SDB71HA
MOTOMAN PART #		180791-3	180791-3	180791-3	180791-3	180791-3	180791-3
POWER OUTPUT	W	1300	1800	2900	3700	4400	5500
	HP	1.7433286	2.4138396	3.8889638	4.9617814	5.9004968	7.375621
RATED SPEED	RPM	1500	1500	1500	1500	1500	1500
MAX SPEED	RPM	6000	4700	4600	4800	4000	4100
RATED TORQUE	N*m	8.34	11.5	18.5	23.5	28.4	35
	kgf*cm	85.068	117.3	188.7	239.7	289.68	357
	lb*in	73.809	101.775	163.725	207.975	251.34	309.75
PEAK TORQUE	N*m	21	32	48	67	71	96
	kgf*cm	214.2	326.4	489.6	683.4	724.2	979.2
	lb*in	185.85	283.2	424.8	592.95	628.35	849.6
RATED CURRENT	A rms	13.8	16.4	21.7	22.8	27.6	24.7
PEAK CURRENT	A rms	35	47	59	68	71	71
MOTOR INERTIA	kg*m2*10-4	19.4	25.1	54.0	65.0	75.5	145.0
	gf*cm*s2	19.7757	25.5861	55.0459	66.2589	76.9623	147.8084
HOLDING BRAKE		YES	YES	YES	YES	YES	YES
BRAKE VOLTAGE	V dc	24	24	24	24	24	24
BRAKE POWER CONSUMPTION	W	9.8	9.8	18.5	18.5	18.5	23.5
BRAKE HOLDING TORQUE	N*m	12.7	19.6	28.4	43.1	43.1	74
	kgf*cm	129.54	199.92	289.68	439.62	439.62	754.8
	lb*in	112.395	173.46	251.34	381.435	381.435	654.9
SHAFT DIAMETER	mm	22	22	28	28	28	38
SHAFT FINISH		TAPPED M6 KEY	TAPPED M8 KEY	TAPPED M8 KEY	TAPPED M8 KEY	TAPPED M8 KEY	TAPPED M10 KEY
MOUNTING BOLTS	mm	4 x M8	4 x M8	4 x M12	4 x M12	4 x M12	4 x M12
MOUNTING BOLT CIRCLE DIA.	mm	145	145	200	200	200	200
MOUNTING PILOT DIA.	mm	110	110	114.3	114.3	114.3	114.3
MOTOR WEIGHT	kg	9	11	19.5	21.5	23.5	35
ENCODER STYLE							
CONNECTIONS							
MOTOR CONNECTOR							
ENCODER CONNECTOR							
BRAKE CONNECTOR							