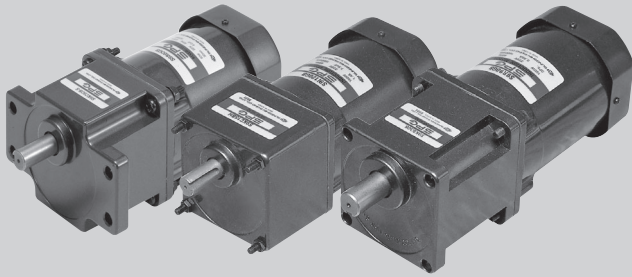


Powermec



90W

REVERSIBLE MOTOR □ 90mm LEAD WIRE TYPE

SIZE mm sq.	Type	Poles	Output (W)	Voltage (V)	Frequency (Hz)	Duty	Rated Load				Starting Torque		Capacitor (uF)
							Current (A)	Speed (rpm)	Torque (kg-cm) (N-m)		(kg-cm)	(N-m)	
90	S9R90GA() S9R90GA()(TP) S9R90GA()CE	4	90	1 ∅ 110	60	30min.	2.25	1550	5.80	0.580	8.50	0.850	30.0
	S9R90GB() S9R90GB()(TP) S9R90GB()CE	4	90	1 ∅ 220	60	30min.	1.00	1550	5.80	0.580	8.50	0.850	7.0
	S9R90GC() S9R90GC()(TP) S9R90GC()CE	4	90	1 ∅ 100	50	30min.	2.10	1200	7.50	0.750	6.50	0.650	30.0
	60				2.25		1500	6.00	0.600				
	S9R90GD() S9R90GD()(TP) S9R90GD()CE	4	90	1 ∅ 200	50	30min.	0.90	1200	7.50	0.750	6.50	0.650	7.0
	60				1.00		1500	6.00	0.600				
	S9R90GE() S9R90GE()CE	4	90	1 ∅ 100	50	30min.	1.80	1200	7.50	0.750	6.50	0.650	30.0
	60				1.90		1500	6.00	0.600				
	60				1.80		1550	6.00	0.600				
	S9R90GX() S9R90GX()CE	4	90	1 ∅ 220	50	30min.	0.82	1250	7.20	0.720	6.50	0.650	6.0
	1 ∅ 240			0.86			7.40		0.740	8.00	0.800		

- ❖ S9R90GE is UL approved (UL FILE No. E172720) thermally protected type.
- ❖ Appropriate capacitors shall be used according to the voltage for S9R90GE type since the size of the capacitor differs by different voltages. Malfunction may occur when not used properly. Capacitor for 115V will be delivered otherwise the required voltage is informed.
- ❖ CE marked at the end of model name indicates that it is thermally protected type which has received CE with built-in TP.
S9R90GE()CE is available only for 115V specification.
- ❖ TP marked at the end of the model name indicates that it is standard motor with Thermal Protector mounted.
S9R90GE, S9R90GX is thermally protected type with TP mounted.
- ❖ Data is measured with friction brake mounted.
- ❖ () is for marking 'L' type or 'H'. 'L' should be used with gearhead 'L' and 'H' should be used with gearhead 'H'.

50Hz

GEAR 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	200
	MODEL rpm	500	416	300	250	200	166	150	120	100	83	75	60	50	41	37	30	25	20	16	15	12	10	8
S9KC□B() kg-cm	18.2	21.9	30.4	36.5	45.6	54.7	60.8	68.4	82.1	98.6	110	124	149	178	198	200	200	200	200	200	200	200	200	200
S9KC□B()-S N-m	1.784	2.146	2.979	3.577	4.469	5.361	5.958	6.703	8.046	9.663	10.78	12.15	14.60	17.44	19.40	19.60	19.60	19.60	19.60	19.60	19.60	19.60	19.60	19.60

60Hz

GEAR 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	200
	MODEL rpm	600	500	360	300	240	200	180	144	120	100	90	72	60	50	45	36	30	24	20	18	15	12	10
S9KC□B() kg-cm	14.6	17.5	24.3	29.2	36.5	43.7	48.6	54.8	65.7	78.8	87.6	99.0	119	143	158	198	200	200	200	200	200	200	200	200
S9KC□B()-S N-m	1.431	1.715	2.381	2.862	3.577	4.675	4.763	5.370	6.439	7.722	8.585	9.702	11.66	14.01	15.48	19.40	19.60	19.60	19.60	19.60	19.60	19.60	19.60	19.60

- ❖ The code in □ of gearhead model is for gear ratio.
- ❖ It is the permissible torque of the assembled motor and gearhead.
- ❖ The permissible torque of the motor and inter-decimal gearhead is 200 kg-cm.
- ❖ ■ 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.
- ❖ () is for marking 'L' type or 'H'. 'L' should be used with motor 'L' and 'H' should be used with motor 'H'.

