



40W

INDUCTION 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	S9I40GA() S9I40GA()(TP) S9I40GA()CE	4	40	1 ∅ 110	60	Cont.	0.82	1600	2.50	0.250	2.90	0.290	10.0
	S9I40GB() S9I40GB()(TP) S9I40GB()CE	4	40	1 ∅ 220	60	Cont.	0.41	1600	2.50	0.250	2.90	0.290	2.5
	S9I40GC() S9I40GC()(TP) S9I40GC()CE	4	40	1 ∅ 100	50	Cont.	0.80	1300	3.10	0.310	2.40	0.240	10.0
	60				0.85		1550	2.60	0.260				
	S9I40GD() S9I40GD()(TP) S9I40GD()CE	4	40	1 ∅ 200	50	Cont.	0.41	1300	3.10	0.310	2.40	0.240	2.5
	60				0.43		1550	2.60	0.260				
	S9I40GE() S9I40GE()CE	4	40	1 ∅ 100	50	Cont.	0.82	1300	3.10	0.310	2.40	0.240	10.0
	60				0.85		1550	2.60	0.260				
	1 ∅ 115				0.91		1550	2.60	0.260	8.0			
	S9I40GX() S9I40GX()CE	4	40	1 ∅ 220	50	Cont.	0.34	1250	3.15	0.315	1.80	0.180	2.0
	1 ∅ 240			0.37			3.35		0.335	2.10	0.210		
	S9I40GU() S9I40GU()CE	4	40	3 ∅ 200	50	Cont.	0.36	1300	3.10	0.310	6.30	0.630	—
	60				0.33		1550	2.60	0.260	5.20	0.520		
	S9I40GT() S9I40GT()CE	4	40	3 ∅ 220	50	Cont.	0.39	1350	3.00	0.300	7.60	0.760	—
	60				0.33		1600	2.50	0.250	6.10	0.610		
	S9I40GS() S9I40GS()CE	4	40	3 ∅ 380	50	Cont.	0.21	1300	3.20	0.320	6.30	0.630	—
					60		0.19	1550	2.70	0.270	4.85	0.485	
				3 ∅ 400	50	Cont.	0.21	1300	3.30	0.330	6.90	0.690	
					60		0.19	1550	2.80	0.280	5.25	0.525	
				3 ∅ 415	50	Cont.	0.21	1350	3.10	0.310	7.30	0.730	
60					0.19		1600	2.60	0.260	5.70	0.570		
3 ∅ 440				50	Cont.	0.21	1350	3.20	0.320	8.20	0.820		
				60		0.19	1600	2.70	0.270	6.30	0.630		

- S9I40GE is UL approved (UL FILE No. E172720) thermally protected type.
- Please use appropriate capacitors according to the using voltage for S9I40GE type since the size of the capacitors differ to the different voltages and when not used properly, it may cause malfunction. Please inform required voltage when ordering or capacitor for 115V will be delivered.
- "CE" marked at the end of model name indicates that it is thermally protected type which has received CE (File NO. E9766002E01, Certificate Institute: TÜV Rhinland) with built-in TPS9I40GE (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.
S9I40GE, S9I40GX, S9I40GS is thermally protected type with TP mounted.
- In case 3 phase 380V motor is controlled with inverter, please be careful to use considerin
- () 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	7.5	
S9KB()	kg-cm	8.3	9.9	13.8	16.5	20.7	24.8	27.5	34.4	41.3	49.6	49.6	62.1	74.5	89.4	99.3	100	100	100	100	100	100	100	100	100	100	100
	N-m	0.813	0.970	1.352	1.617	2.029	2.430	2.695	3.371	4.047	4.861	4.861	6.086	7.301	8.761	9.731	9.800	9.800	9.800	9.800	9.800	9.800	9.800	9.800	9.800	9.800	9.800

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	9
S9KB()	kg-cm	6.8	8.2	11.3	13.6	17.0	20.4	22.7	28.4	34.0	40.8	40.9	51.1	61.3	73.6	81.8	100	100	100	100	100	100	100	100	100	100
	N-m	0.666	0.804	1.107	1.333	1.666	1.999	2.225	2.783	3.332	3.998	4.008	5.008	6.007	7.213	8.016	9.800	9.800	9.800	9.800	9.800	9.800	9.800	9.800	9.800	9.800

- 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 assembled with motor and inter-decimal gearhead is 100kg · 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.
- Rotational speed based on synchronous speed (50Hz:1500rpm, 60Hz:1800rpm) divided by gear ratio.
The actual rotation speed is less 2-20% than the displayed value according to the load.
- () is for marking 'L' type or 'H'. 'L' should be used with motor 'L' and 'H' should be used with motor 'H'.

