

Small Geared Motors / Gear Heads

Induction Motors / Reversible Motors

■ Features Induction Motor: Motor suitable for continuous one-way direction operations. Reversible Motor: Motor capable of instantaneous rotation reversals.



Type		
Motor	Reversible	Gear Heads
Induction (Single-phase) PACMS	PACMR	(40W or lower) PACMGX
(3-Phase) PACMT		(60W or higher) PACMGZ

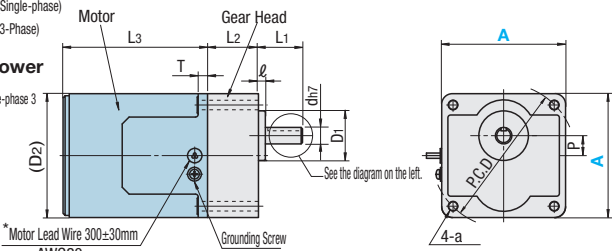
Accessory	
Motor	Capacitor (Not available for 3-Phase Motor)
Gear Heads	Key (Not available for A60) Screws, Nuts, Washers (4 each)

Induction Motor

PACMS (Single-phase)
PACMT (3-Phase)

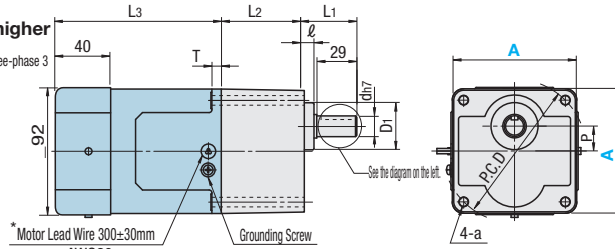
● 40W or lower

*Motor Leads:
Single-phase 4, Three-phase 3



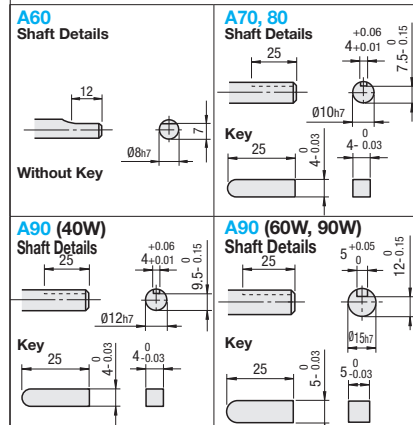
● 60W or higher

*Motor Leads:
Single-phase 4, Three-phase 3



Gear Heads

PACMGX (for Motor Output 40W or lower)
PACMGZ (for Motor Output 60W or higher)

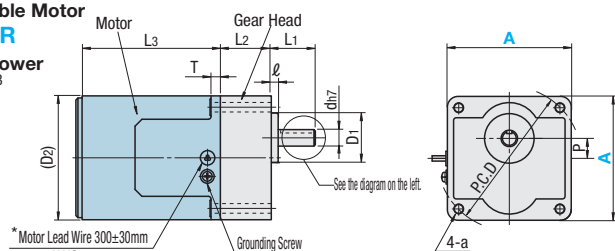


Reversible Motor

PACMR

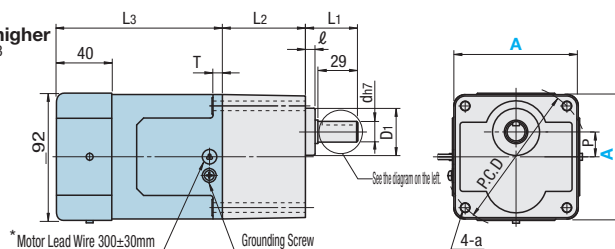
● 40W or lower

* Motor Leads: 3

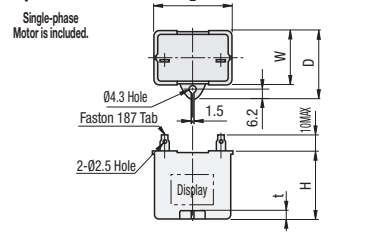


● 60W or higher

* Motor Leads: 3



Capacitor



⚡ Rated Life (When used for 8hrs./day at a constant load such as belt conveyors)

• Induction Motor: 10,000 hours

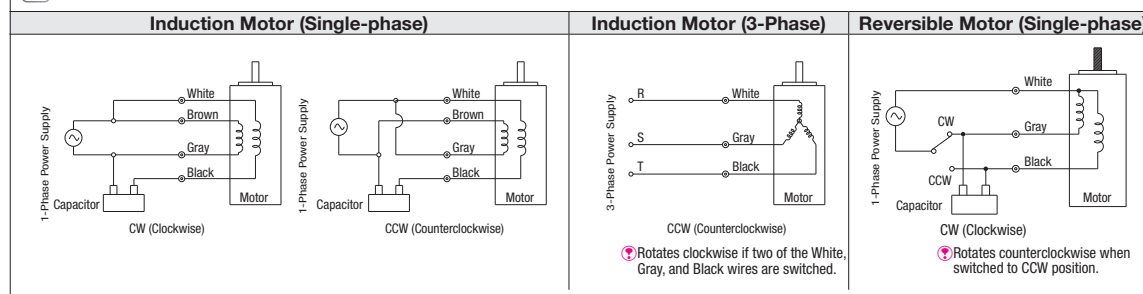
• Reversible Motor: 5,000hrs

⚙ For motor brackets, see P.1115

⚙ Seal Connector Type PACMSK, PACMTK, and PACMRK are available on our website.

⚙ For transportation, installation, assembly, wiring, operating, and maintenances of motors, see the included manual.

Connection Diagram



Induction Motors / Reversible Motors

Part Number	Output (W)	Voltage (V)	d	D1	L1	L2 ²	L3	l	T	(D2)	P	a	P.C.D	Mass (kg) *2		Unit Price		
														Motor	Gear Heads	Induction		
Type	A													Lead Wire/Connector	PACMS	PACMT	PACMR	
PACMS PACMT PACMR	60	6	100	8	25	26 (33)	75	6	65	10	4.5	70	0.67	-	0.24 (0.3)	-	-	-
			200	10	30	32 (36)	80	5	7	74	15	5.5	82	1.1	-	0.38 (0.45)	-	-
	70	15	100	10	30	32 (36)	80	5	7	74	15	5.5	82	1.1	-	-	-	-
			200	10	30	32 (36)	80	5	7	74	15	5.5	82	1.1	-	-	-	-
	80	25	100	10	30	32 (36)	80	5	7	74	15	5.5	82	1.1	-	-	-	-
			200	10	30	32 (36)	80	5	7	74	15	5.5	82	1.1	-	-	-	-
PACMS PACMT PACMR	90	40	100	12	36	37	105	5	95	18	6.5	104	2.4	2.8	0.8	-	-	-
			200	15	34	60	120	7	7.5	18	6.5	104	2.7	3.0	1.4	-	-	-
	60	100	100	15	34	38	60	135	7	-	-	-	2.4	2.8	0.8	-	-	-
			200	15	34	38	60	135	7	-	-	-	-	2.7	3.0	1.4	-	-
	90	100	100	15	34	38	60	135	7	-	-	-	2.4	2.8	0.8	-	-	-
			200	15	34	38	60	135	7	-	-	-	-	2.7	3.0	1.4	-	-

*1. The 3-Phase Motors can be used at 220V.

*2. The values in () are weight and dimensions for gearheads with reduction ratio 30 or higher.

Induction Motor Specification (Single-phase) Continuous Rating, Number of Poles: 4P

Part Number	Output (W)	Voltage (V)	50Hz						60Hz						Capacitor μF	
			Input (W)	Current (A)	Rotational Speed (r/min)	Torque (N·m)	Starting Current (A)	Starting Torque (N·m)	Input (W)	Current (A)	Rotational Speed (r/min)	Torque (N·m)	Starting Current (A)	Starting Torque (N·m)		
PACMS	60	6	100	0.21	1250	0.048	0.3	0.049	20	0.2	1575	0.038	0.3	0.049	2.5(200V)	
			200	0.11	1250	0.048	0.15	0.049	20	0.1	1600	0.037	0.15	0.049	0.7(400V)	
	70	15	100	0.37	1250	0.11	0.61	0.077	33	0.33	1575	0.088	0.57	0.077	4 (200V)	
			200	0.18	1300	0.11	0.3	0.077	34	0.17	1600	0.088	0.29	0.077	1 (400V)	
	80	25	100	0.55	1250	0.19	0.98	0.16	49	0.48	1575	0.15	0.94	0.16	6 (200V)	
			200	0.27	1250	0.19	0.5	0.16	49	0.24	1575	0.15	0.47	0.16	1.5(400V)	
	PACMS	40	100	78	0.86	1225	0.30	1.5	0.24	72	0.72	1550	0.25	1.5	0.25	10 (200V)
				200	0.43	1250	0.30	0.83	0.25	72	0.36	1575	0.24	0.76	0.25	2.5(400V)
		60	100	118	1.3	1250	0.46	2.2	0.41	117	1.2	1550	0.36	2.2	0.42	15 (210V)
				200	0.65	1250	0.46	1.1	0.42	119	0.59	1550	0.36	1.1	0.44	3.8(400V)
		90	100	153	1.6	1325	0.65	3.3	0.47	160	1.6	1625	0.53	3.0	0.47	25 (200V)
				200	0.75	1325	0.62	1.7	0.47	160	0.8	1650	0.51	1.5	0.47	5.8(400V)

⚡ Capacitor for Motor(Accessory)
PACMS, PACMT <For Induction Motors>

⚡ PACMR <For Reversible Motors>

A	Output (W)	Voltage (V)	L	W	D	H	t
70	15	100	39.5	16.2	27	27	4
		200	39.5	16	26.5	30.5	4
80	25	100	39.5	16.2	27	27	4
		200	39.5	17.5	28	30.5	4
40	100	78	39.5	22	32.5	32.5	4
		200	39.5	26.7	37	32	4
60	100	118	49.7	24	34.5	34.5	4
		200	39.5	26.7	37	41	4
90	100	153	50	26.7	37.5	38	4
		200	50.2	31	41	42	5

Induction Motor Specification (3-Phase) Continuous Rating, Number of Poles: 4P

Part Number	Output (W)	Voltage (V)	50Hz						60Hz						
			Input (W)	Current (A)	Rotational Speed (r/min)	Torque (N·m)	Starting Current (A)	Starting Torque (N·m)	Input (W)	Current (A)	Rotational Speed (r/min)	Torque (N·m)	Starting Current (A)	Starting Torque (N·m)	
PACMT	80	25	200	0.50	0.25	1350	0.18	0.62	0.54	47	0.22	1625	0.15	0.58	0.40
			220	54	0.27	1375	0.18	0.67	0.66	49	0.23	1650	0.15	0.64	0.50
	40	100	200	69	0.31	1350	0.28	0.9	0.72	68	0.29	1625	0.24	0.82	0.51
			220	70	0.32	1375	0.27	1.0	0.88	66	0.28	1675	0.23	0.91	0.63
	60	100	200	101	0.45	1350	0.42	1.3	1.0	96	0.41	1625	0.35	1.2	0.69
			220	103	0.46	1375	0.41	1.5	1.2	98	0.4	1650	0.34	1.3	0.87
	90	100	200	141	0.62	1350	0.63	2.0	1.6	137	0.56	1625	0.53	1.8	1.1
			220	143	0.65	1400	0.62	2.2	2.0	137	0.56	1650	0.52	2.0	1.4

⚡ The 3-Phase Motor can be used in 220V.

Reversible Motor Specification (Single-phase) Rated for 30 minutes, Number of Poles: 4P

Part Number	Output (W)	Voltage (V)	50Hz						60Hz						Capacitor μF	Braking Torque *1x10 ⁻³ N·m	Override *2 rotation
			Input (W)	Current (A)	Rotational Speed (r/min)	Torque (N·m)	Starting Current (A)	Starting Torque (N·m)	Input (W)	Current (A)	Rotational Speed (r/min)	Torque (N·m)	Starting Current (A)	Starting Torque (N·m)			
PACMR	60	6	100	0.23	1250	0.047	0.3	0.050	22	0.22	1575	0.037	0.31	0.052	3.5(200V)	0.588	5.0
			200	0.11	1275	0.045	0.16	0.053	22	0.12	1600	0.036	0.16	0.053	0.9(400V)	-	-
	70	15	100	0.36	1275	0.11	0.59	0.085	37	0.38	1575	0.088	0.57	0.085	6 (200V)	1.27	4.5
			200	0.19	1275	0.11	0.3	0.078	37	0.19	1575	0.088	0.29	0.078	1.5(400V)	-	-
	80	25	100	0.58	1275	0.19	1.0	0.17	57	0.59	1575	0.16	1.0	0.17	9.5(200V)	1.47	5.5
			200	0.29	1275	0.19	0.52	0.19	57	0.29	1575	0.16	0.50	0.19	2.4(400V)	-	-
	40	100	94	0.96	1200	0.32	1.6	0.27	93	0.93	1525	0.25	1.5	0.26	15 (210V)	-	-
			92	0.48	1200	0.32	0.81	0.28	93	0.46	1525	0.25	0.77	0.29	3.8(400V)	-	-
	60	100	144	1.5	1200	0.46	2.4	0.50	163	1.5	1500	0.39	2.3	0.53	25 (200V)	-	-
			146	0.74	1225	0.46	1.2	0.53	153	0.77	1525	0.39	1.3	0.55	6.2(375V)	-	-
	90	100	171	1.7	1225	0.70	2.8	0.63	181	1.9	1525	0.56	2.7	0.64	30 (200V)	-	-
			184	0.93	1150	0.72	1.4	0.64	170	0.96	1475	0.57	1.4	0.66	7.5(370V)	-	-

*1. Breaking torque values are for reference

*2. "Override" means motor's fly wheeling rotation from power-OFF to a stop.

⚡ Capacitor for Motor(Accessory)
PACMR <For Reversible Motors>

A	Output (W)	Voltage (V)	L	W	D	H	t
70	15	100	39.5	16.2	27	27	4
		200	39.5	17.5	28	30.5	4
80	25	100	39.5	22	32.5	30.5	4
		200	39.5	24	34.5	34.5	4
40	100	94	39.5	26.7	37	41	4
		92	39.5	26.7	37	41	4
60							