

Small Geared Motors / Gearheads

-Induction Motors / Reversible Motors-

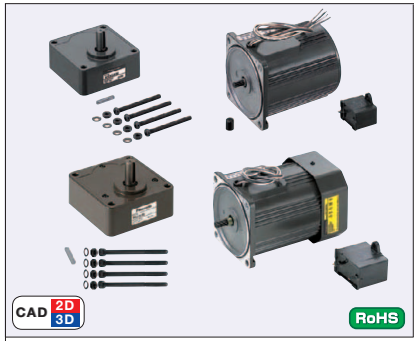


■ Features: Induction Motor: Motor suitable for continuous one-way direction operations • Reversible Motor: Motor capable of instantaneous rotation reversals.

When ordering, select Part Number and Values from Selection Steps ①~④.

Ordering Example: Motor Part Number (①Type-②A) - ③Output - ④Voltage • Gearheads Part Number (①Type-②A) - ③Reduction Ratio

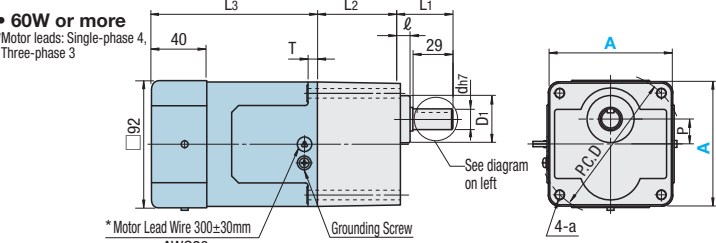
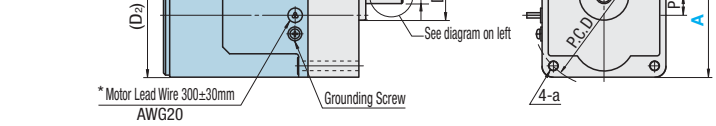
PACMS80 - W25 V100 PACMGX80 - 50



Type		
Motor	Reversible	Gear Heads
Induction (1-Phase) PACMS	PACMR	(40W or less) PACMGX
(3-Phase) PACMT		(60W or more) PACMGZ

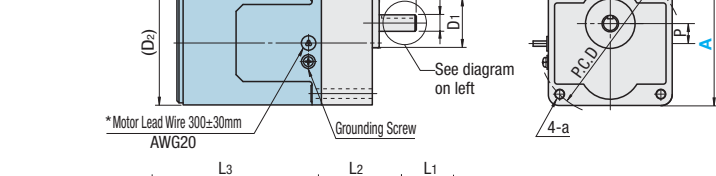
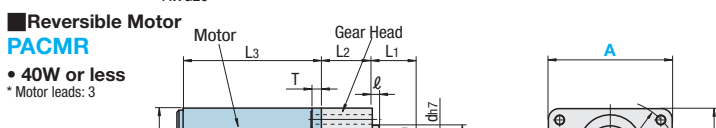
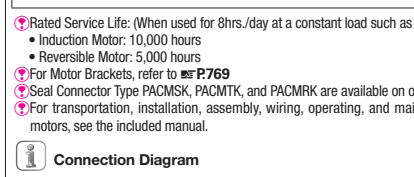
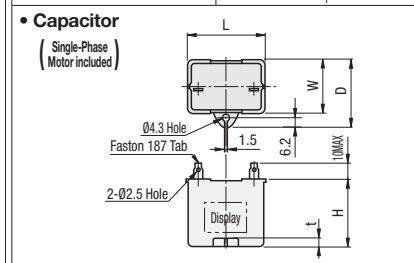
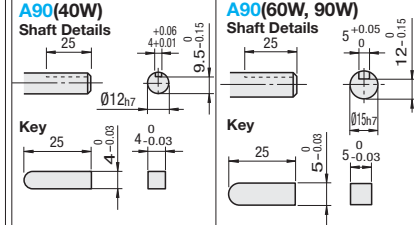
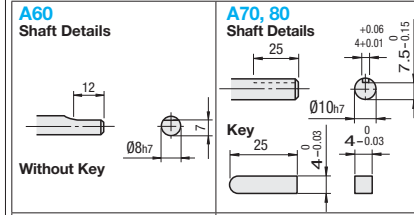
▲ Accessory

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

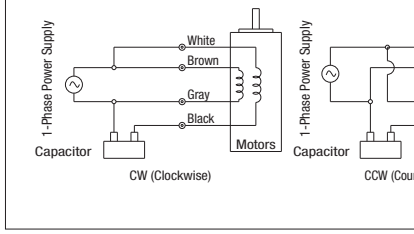


Gear Head

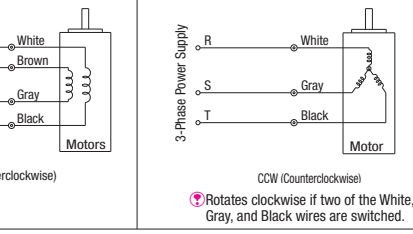
PACMGX (for Motor Output 40W or less)
PACMGZ (for Motor Output 60W or more)



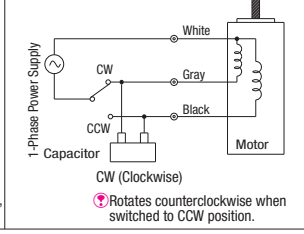
Induction Motors (1-Phase)



Induction Motors (3-Phase)



Reversible Motors (1-Phase)



Induction Motors / Reversible Motors

Part Number	③ Output (W)	④ Voltage (V)	d	D1	L1	L2*2	L3	l	T	(D2)	P	a	P.C.D	Mass (kg) *2	
														Motor	Gear Heads
*1 PACMS PACMT PACMR	60	6	100	8	25	26 (33)	75	6	7	65	10	4.5	70	0.67	0.24 (0.3)
			200											1.1	0.38 (0.45)
		70	15	100	10	30	30 (36)	80	5	7	74	15	5.5	82	1.5
	200			2.4											2.8
	80		25	100	12	36	30	85	6	7	86	15	6.5	94	1.5
		200		2.7											3.0
		90	40	100	15	34	37	105	5	7	95	18	6.5	104	2.7
	200			3.2											3.3
	90		60	100	15	34	37	105	5	7	95	18	6.5	104	2.7
		200		3.2											3.3
		90	100	100	15	34	37	105	5	7	95	18	6.5	104	2.7
	200			3.2											3.3

*1 The 3-Phase Motors are also operable in 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	③ Output (W)	④ Voltage (V)	50Hz						60Hz						Capacitor μ F	
			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	20	0.21	1250	0.048	0.3	0.049	20	0.2	1575	0.038	0.3	0.049	2.5(200V)
			200	20	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	34	0.37	1250	0.11	0.3	0.077	33	0.33	1575	0.088	0.57	0.077
	200			33	0.18	1300	0.11	0.3	0.077	34	0.17	1600	0.088	0.29	0.077	1 (400V)
	80	25	100	51	0.55	1250	0.19	0.98	0.16	49	0.48	1550	0.15	0.94	0.16	6 (200V)
			200	51	0.27	1250	0.19	0.5	0.16	49	0.24	1575	0.15	0.47	0.16	1.5(400V)
		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			79	0.43	1250	0.30	0.83	0.25	72	0.36	1575	0.24	0.76	0.25	2.5(400V)
	90	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	120	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			150	0.75	1325	0.62	1.7	0.47	160	0.8	1650	0.51	1.5	0.47	5.8(400V)

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

Part Number	③ Output (W)	④ 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	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
		200	69	0.31	1350	0.28	0.9	0.72	68	0.29	1625	0.24	0.82	0.51	
	40	100	220	70	0.32	1375	0.27	1.0	0.88	66	0.28	1675	0.23	0.91	0.63
			200	101	0.45	1350	0.42	1.3	1.0	96	0.41	1625	0.35	1.2	0.69
		90	60	220	103	0.46	1375	0.41	1.5	1.2	98	0.4	1650	0.34	1.3
	200			141	0.62	1350	0.63	2.0	1.6	137	0.56	1625	0.53	1.8	1.1
	90	100	143	0.65	1400	0.62	2.2	2.0	137	0.56	1650	0.52	2.0	1.4	
			200	143	0.65	1400	0.62	2.2	2.0	137	0.56	1650	0.52	2.0	1.4
		200		100	143	0.65	1400	0.62	2.2	2.0	137	0.56	1650	0.52	2.0

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

Part Number	③ Output (W)	④ Voltage (V)	50Hz						60Hz						Capacitor μ F	Braking Torque *1 (10 ⁻² N·m)	Override *2 Rotations	
			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	22	0.23	1250	0.047	0.3	0.050	22	0.22	1575	0.037	0.31	0.052	3.3(200V)	0.588	5.0
			200	22	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	36	0.37	1275	0.11	0.59	0.085	37	0.38	1575	0.088	0.57	0.085	6 (200V)	1.27
	200			36	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	58	0.59	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	57	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)	3.92	6.0
	200			92	0.48	1200	0.32	0.81	0.28	93	0.46	1525	0.25	0.77	0.29	3.8(400V)		
	90	60	100	144	1.5	1200	0.46	2.4	0.50	163	1.5	1500	0.39	2.3	0.53	25 (200V)	3.92	6.0
			200	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)	3.92	6.0
	200			184	0.93	1150	0.72	1.4	0.64	170	0.96	1475	0.57	1.4	0.66	7.5(370V)		

▲ Allowable Torque when Gear Heads are Mounted: The rotational speeds shown are based on synchronous operation speeds. Generally, the actual speeds may be 2 ~ 20% less than indicated depending on load conditions. *1 Output shaft rotation direction is same as the motor for cells, others are reverse rotation.

Part Number	③ Output (W)	Reduction Ratio	Rotational Speed (r/min)																							
			50Hz	3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	50	60	75	90	100	120	150	180	
PACMGX	60	6	50Hz	0.098	0.12	0.16	0.19	0.25	0.29	0.33	0.4	0.49	0.59	0.66	0.79	0.95	1.18	1.57	1.86	2.25	2.45					
			60Hz	0.081	0.098	0.13	0.16	0.21	0.25	0.26	0.33	0.4	0.49	0.53	0.66	0.79	0.95	1.27	1.57	1.86	2.25	2.45				
		70	15	50Hz	0.24	0.28	0.39	0.47	0.59	0.71	0.8	0.98	1.18	1.37	1.57	1.86	2.25	2.74	3.82	4.61	4.9					
	60Hz			0.2	0.24	0.32	0.39	0.49	0.59	0.66	0.81	0.98	1.18	1.27	1.57	1.86	2.25	3.23	3.82	4.8	7.84					
	80	25	50Hz	0.39	0.47	0.66	0.78	0.98	1.18	1.27	1.57	1.96	2.35	2.55	3.14	3.82	4.61	6.37	7.64	7.84						
			60Hz	0.32	0.39	0.55	0.66	0.81	0.98	1.08	1.27	1.57	1.96	2.06	2.65	3.14	3.82	5.29	6.37	9.8						
		90	40	50Hz	0.66	0.78	1.08	1.27	1.57	1.86	2.25	2.74	3.23	3.92	4.41	5.29	6.37	7.94	9.8							
	60Hz			0.55	0.66	0.9	1.08	1.27	1.57	1.76	2.25	2.74	3.23	3.53	4.41	5.29	6.37	8.82	9.8							
	PACMGZ	60	90	50Hz	0.98	1.18	1.57	1.96	2.35	2.94	3.14	3.92	4.7	5.59	6.27	7.55	9.11	11	15.2	17.8	19.6					
				60Hz	0.78	0.98	1.37	1.57	1.96	2.35	2.65	3.33	3.92	4.7	5.29	6.47	7.55	9.11	12.6	15.2	19.6					
		90	100	50Hz	1.37	1.67	2.25	2.74	3.43	4.12	4.51	5.68	6.76	8.04	9.02											