

6W



Induction motors with spur gears

- Wide stock programme
- All ball bearings gearbox as standard
- Lead wire or terminal box
- Silent running
- Impedance protected



Technical data, motor

	Supply voltage V AC/Hz	Output power (P ₂)W	Speed r/min.	Torque Ncm	Current A	Capacitor uF	Weight with gearbox kg
Induction motor M61A6G4GE	1-Phase 230/50	6	1225	4,4	0,09	0,6 (430V)	1
M61A6GT4GE (T-Box)	1-Phase 230/50	6	1225	4,4	0,09	0,6 (430V)	1
Reversible motor M6RA6G4GE	1-Phase 230/50	6	1225	4,4	0,1	0,6 (430V)	1
Brake motor M6RA6GB4GE	1-Phase 230/50	6	1225	4,0	0,1	0,6 (430V)	1,2
Variable speed motor (with tacho) M61A6GV4GE	1-Phase 230/50	6	90-1200	2,4-3,2	0,1	0,6 (430V)	1,1

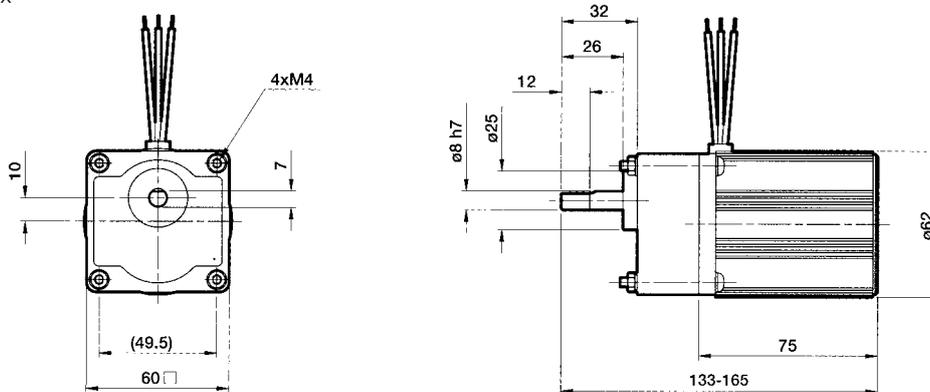
Technical data, gearbox

Nominal speed r/min.	500	200	120	100	75	60	50	30	20	15	8	
Ratio	3	7,5	12,5	15	20	25	30	50	75	100	180	Max. gearbox output torque 245Ncm
Nominal torque, Ncm	10	25	40	49	66	79	95	157	245*	245*	245*	

Output speed based on synchronous motor speed (1500 r/min). Actual speed depends on load resulting in 2-20% slower.

Dimensions (Inc. Gearbox)

Motor fitted to gearbox



Part No.	Description	Part No.	Description
M61A6G4GE	Induction motor with lead wire	M6GA3B	Ratio 3:1
M61A6GT4GE	Induction motor with terminal box	M6GA6B	Ratio 6:1
M6RA6G4GE	Reversible motor with lead wire	M6GA12.5B	Ratio 12.5:1
M61A6GV4GE	Variable speed motor with tacho	M6GA15B	Ratio 15:1
M6RA6GB4GE	Reversible motor with brake	M6GA20B	Ratio 20:1
Also available in 110v AC		M6GA25B	Ratio 25:1
Foot mount		M6GA30B	Ratio 30:1
Part No.	Description	M6GA50B	Ratio 50:1
M6B2	Foot mount	M6GA60B	Ratio 60:1
		M6GA75B	Ratio 75:1
		M6GA100B	Ratio 100:1
		M6GA150B	Ratio 150:1
		M6GA180B	Ratio 180:1
		M6GA10XM	Inter decimal gearbox 10:1
		Other gearbox ratios on request	

15W



Induction motors with spur gears

- Wide stock programme
- All ball bearings gearbox as standard
- Silent running
- Externally wired temperature switch 120°C



Technical data, motor

	Supply voltage V AC/Hz	Output power (P ₂)W	Speed r/min.	Torque Ncm	Current A	Capacitor uF	Weight with gearbox kg
Induction motor M71A15G4GE	1-Phase 230/50	15	1225	11	0,15	1,0(430V)	1,55
Reversible motor M7RA15G4GE	1-Phase 230/50	15	1225	11	0,17	1,2(430V)	1,55
Brake motor M7RA15GB4GE	1-Phase 230/50	15	1225	11	0,17	1,2(430V)	1,8
Variable speed motor (with tacho) M71A15GV4GE	1-Phase 230/50	15	90-1200	2,9-8,9	0,23	1,0(430V)	1,6

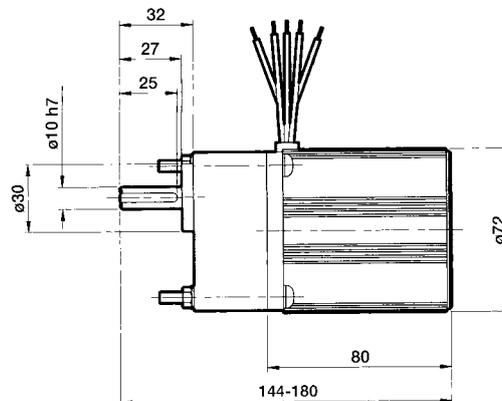
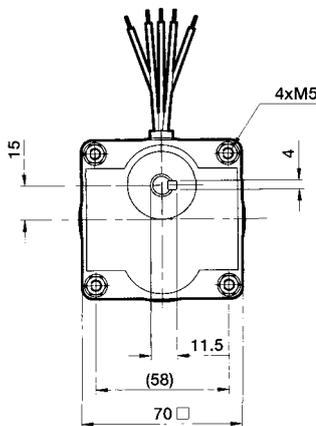
Technical data, gearbox

Nominal speed r/min.	500	200	120	100	75	60	50	30	20	15	8	
Ratio	3	7,5	12,5	15	20	25	30	50	75	100	180	Max. gearbox output torque 490 Ncm
Nominal torque, Ncm	24	59	98	118	157	186	225	382	490*	490*	490*	

Output speed based on synchronous motor speed (1500 r/min). Actual speed depends on load resulting in 2-20% slower.

Dimensions (Inc. Gearbox)

Motor fitted to gearbox
Cable 300mm



Part No.	Description
M71A15G4GE	Induction motor with lead wire
M7RA15G4GE	Reversible motor with lead wire
M7RA15GB4GE	Brake motor with lead wire
M71A15GV4GE	Variable speed motor with tacho

Also available in 110v AC

Foot mount

Part No.	Description
M7B2	Foot mount

Part No.	Description
M7GA3B	Ratio 3:1
M7GA6B	Ratio 6:1
M7GA12.5B	Ratio 12.5:1
M7GA15B	Ratio 15:1
M7GA20B	Ratio 20:1
M7GA25B	Ratio 25:1
M7GA30B	Ratio 30:1
M7GA50B	Ratio 50:1
M7GA60B	Ratio 60:1
M7GA75B	Ratio 75:1
M7GA100B	Ratio 100:1
M7GA150B	Ratio 150:1
M7GA180B	Ratio 180:1
M7GA10XM	Inter decimal gearbox 10:1

Other gearbox ratios on request

15W



Induction motors with spur gears

- Wide stock programme
- Lead wire or terminal box
- All ball bearings gearbox as standard
- Silent running
- Externally wired temperature switch 120°C



Technical data, motor

	Supply voltage V AC/Hz	Output power (P2)W	Speed r/min.	Torque Ncm	Current A	Capacitor uF	Weight with gearbox kg
Induction motor M81A15G4GE	1-Phase 230/50	15	1275	11	0,18	1,0 (430V)	1,65
M81A15GK4GE (T-box)	1-Phase 230/50	15	1275	11	0,18	1,0 (430V)	1,85

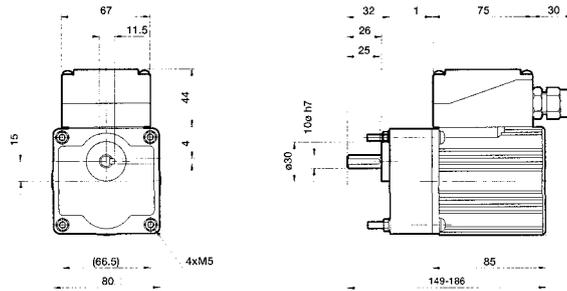
Technical data, gearbox

Nominal speed r/min.	500	200	120	100	75	60	50	30	20	15	8	
Ratio	3	7,5	12,5	15	20	25	30	50	75	100	180	Max. gearbox output torque 784 Ncm
Nominal torque, Ncm	33	83	139	166	199	251	301	430	678	784*	784*	

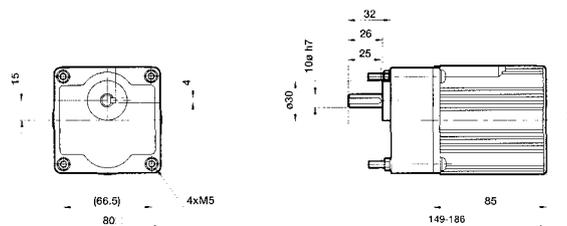
Output speed based on synchronous motor speed (1500 r/min). Actual speed depends on load resulting in 2-20% slower.

Dimensions (Inc. Gearbox)

Motor with terminal box



Motor with cable 300mm



Part No.	Description	Part No.	Description
M81A25G4GE	Induction motor with lead wire	M8GA3B	Ratio 3:1
M81A25GK4GE	Induction motor with terminal box	M8GA6B	Ratio 6:1
		M8GA12.5B	Ratio 12.5:1
		M8GA15B	Ratio 15:1
		M8GA20B	Ratio 20:1
		M8GA25B	Ratio 25:1
		M8GA30B	Ratio 30:1
		M8GA50B	Ratio 50:1
		M8GA60B	Ratio 60:1
		M8GA75B	Ratio 75:1
		M8GA100B	Ratio 100:1
		M8GA150B	Ratio 150:1
		M8GA180B	Ratio 180:1
		M8GA10XM	Inter decimal gearbox 10:1
			Other gearbox ratios on request

Foot mount

Part No.	Description
M8B2	Foot mount (forward feet)
M8B3	Foot mount (reverse feet)

25W



Induction motors with spur gears

- Wide stock programme
- Lead wire or terminal box
- All ball bearings gearbox as standard
- Externally wired temperature switch 120°C



Technical data, motor

	Supply voltage V AC/Hz	Output power (P ₂)W	Speed r/min.	Torque Ncm	Current A	Capacitor uF	Weight with gearbox kg
Induction motor M81A25G4GE / M81A25GK4GE (T-box)	1-Phase 230/50	25	1225	18	0,23	1,5(430V)	2,1
M8MA25G4GU (3x230v, 3-Phs, Lead wire)	3-Phase 230/50	25	1375	17	0,26	-	2,1
M8MA25GKP4W1 (3x230v, 3-Phs, T-box)	3-Phase 230/50	25	1375	17	0,26	-	2,1
M8MA25GK4CE1 (400v, 3-Phs, T-box)	3-Phase 400	25	1350	17	0,12	-	2,1
Reversible motor M8RA25GK4GE	1-Phase 230/50	25	1250	19	0,25	1,8(430V)	2,1
Brake motor M8RA25GBK4GE	1-Phase 230/50	25	1250	19	0,25	1,8(430V)	2,4
Variable speed motor (with tacho) M81A25GVK4GE	1-Phase 230/50	25	90-1200	4,4-14	0,35	1,5(430V)	2,1

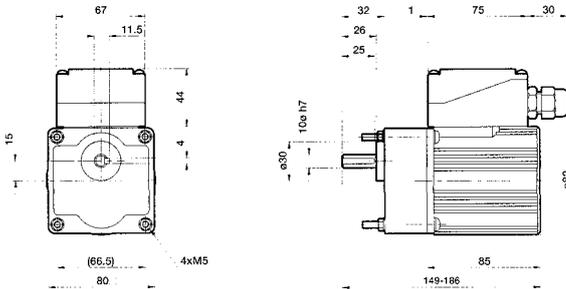
Technical data, gearbox

Nominal speed r/min.	500	200	120	100	75	60	50	30	20	15	8	
Ratio	3	7,5	12,5	15	20	25	30	50	75	100	180	Max. gearbox output torque 784 Ncm
Nominal torque, Ncm	39	98	157	196	255	314	382	637	784*	784*	784*	

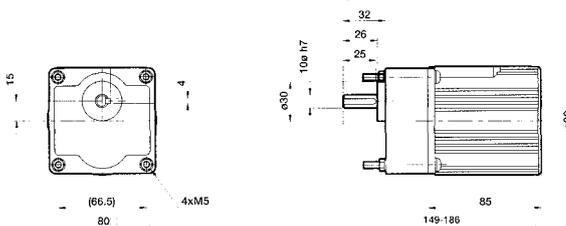
Output speed based on synchronous motor speed (1500 r/min). Actual speed depends on load resulting in 2-20% slower.

Dimensions (Inc. Gearbox)

Motor with terminal box



Motor with cable 300mm



Part No.	Description	Part No.	Description
M81A25G4GE	Induction motor with lead wire	M8GA3B	Ratio 3:1
M81A25GK4GE	Induction motor with terminal box	M8GA6B	Ratio 6:1
M8MA25G4GU	3 x 230v 3-phase lead wire motor	M8GA12.5B	Ratio 12.5:1
M8MA25GKP4W1	3 x 230v 3-phase motor with terminal box	M8GA15B	Ratio 15:1
M8MA25GK4CE1	400v 3-phase motor with terminal box	M8GA20B	Ratio 20:1
M8RA25GK4GE	Reversible motor with terminal box	M8GA25B	Ratio 25:1
M8RA25GBK4GE	Brake motor with terminal box	M8GA30B	Ratio 30:1
M81A25GVK4GE	Variable speed motor with tacho	M8GA60B	Ratio 60:1
		M8GA75B	Ratio 75:1
		M8GA100B	Ratio 100:1
		M8GA150B	Ratio 150:1
		M8GA180B	Ratio 180:1
		M8GA10XM	Inter decimal gearbox 10:1
			Other gearbox ratios on request

Foot mount

Part No.	Description
M8B2	Foot mount (forward feet)
M8B3	Foot mount (reverse feet)

Also available in 110v AC

40W



Induction motors with spur gears

- Wide stock programme
- Lead wire or terminal box
- All ball bearings gearbox as standard
- Externally wired temperature switch 120°C



Technical data, motor

	Supply voltage V AC/Hz	Output power (P2)W	Speed r/min.	Torque Ncm	Current A	Capacitor uF	Weight with gearbox kg
Induction motor M91A40G4GE / M91A40GK4GE (T-box)	1-Phase 230/50	40	1200	31	0,36	2,5(430V)	3,2
M9MA40G4GU (3x230v, 3-Phs, lead wire)	3-Phase 230/50	40	1375	27	0,33	-	3,2
M9MA40GKP4W1 (3x230v, 3-Phs, T-box)	3-Phase 230/50	40	1375	27	0,33	-	3,2
M9MA40GK4CE1 (400v, 3-Phs, T-box)	3-Phase 400	40	1375	26	0,15	-	3,2
Reversible motor M9RA40GK4GE	1-Phase 230/50	40	1175	33	0,41	3,0(430V)	3,2
Brake motor M9RA40GBK4GE	1-Phase 230/50	40	1175	33	0,41	3,0(430V)	3,6
Variable speed motor (with tacho) M91A40GVK4GE	1-Phase 230/50	40	90-1200	5,8-30	0,7	2,5(430V)	3,2

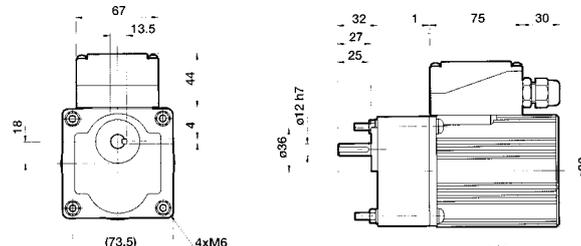
Technical data, gearbox

Nominal speed r/min.	500	200	120	100	75	60	50	30	20	15	8	Max. gearbox output torque 980 Ncm
Ratio	3	7,5	12,5	15	20	25	30	50	75	100	180	
Nominal torque, Ncm	66	157	274	323	441	529	637	980*	980*	980*	980*	

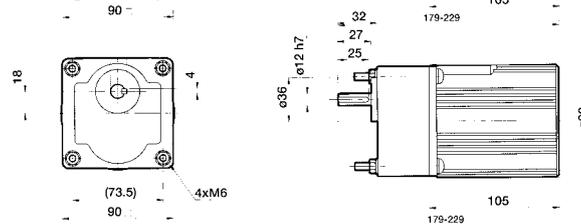
Output speed based on synchronous motor speed (1500 r/min). Actual speed depends on load resulting in 2-20% slower.

Dimensions (Inc. Gearbox)

Motor with terminal box



Motor with cable 300mm



Part No.	Description	Part No.	Description
M91A40G4GE	Induction motor with lead wire	M9GA3B	Ratio 3:1
M91A40GK4GE	Induction motor with terminal box	M9GA6B	Ratio 6:1
M9MA40G4GU	3x230v 3-phase lead wire motor	M9GA12.5B	Ratio 12.5:1
M9MA40GKP4W1	3x230v 3-phase motor with terminal box	M9GA15B	Ratio 15:1
M9MA40GK4CE1	400v 3-phase motor with terminal box	M9GA20B	Ratio 20:1
M9RA40GK4GE	Reversible motor with terminal box	M9GA25B	Ratio 25:1
M9RA40GBK4GE	Brake motor with terminal box	M9GA30B	Ratio 30:1
M91A40GVK4GE	Variable speed motor with tacho	M9GA50B	Ratio 50:1
Also available in 110v AC		M9GA60B	Ratio 60:1
Foot mount		M9GA75B	Ratio 75:1
Part No.	Description	M9GA100B	Ratio 100:1
M9B2	Foot mount (forward feet)	M9GA150B	Ratio 150:1
M9B3	Foot mount (reverse feet)	M9GA180B	Ratio 180:1
		M9GA10XM	Inter decimal gearbox 10:1

Other gearbox ratios on request

60W



Induction motors with spur gears

- Wide stock programme
- Lead wire or terminal box
- All ball bearings gearbox as standard
- Externally wired temperature switch 120°C



Technical data, motor

	Supply voltage V AC/Hz	Output power (P2)W	Speed r/min.	Torque Ncm	Current A	Capacitor uF	Weight with gearbox kg
Induction motor							
M91C60G4GE / M91C60GK4GE (T-box)	1-Phase 230/50	60	1225	47	0,51	4,0 (430V)	4,1
M9MC60G4GU (3x230v, 3-Phs, leadwire)	3-Phase 230/50	60	1375	41	0,46	-	4,1
M9MC60GK4W1 (3x230v, 3-Phs, T-box)	3-Phase 230/50	60	1375	41	0,46	-	4,1
M9MC60GK4CE1 (400v, 3-Phs, T-box)	3-Phase 400	60	1375	41	0,21	-	4,1
Reversible motor							
M9RC60GK4GE	1-Phase 230/50	60	1300	44	0,57	5,0 (430V)	4,1
Brake motor							
M9RC60GBK4GE	1-Phase 230/50	60	1300	44	0,57	5,0 (430V)	4,5
Variable speed motor (with tacho)							
M91C60GVK4GE	1-Phase 230/50	60	90-1200	11-43	1,1	4,0 (430V)	4,1

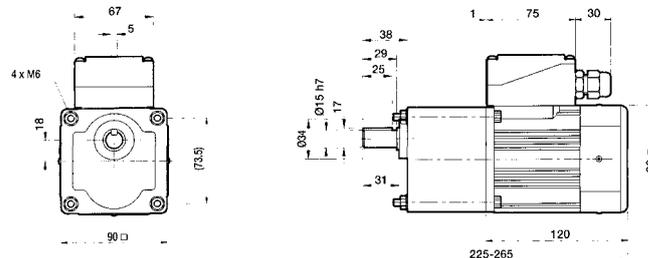
Technical data, gearbox

Nominal speed r/min.	500	200	120	100	75	60	50	30	20	15	8	
Ratio	3	7,5	12,5	15	20	25	30	50	75	100	180	Max. gearbox output torque 1960 Ncm
Nominal torque, Ncm	98	235	392	470	627	755	911	1520	1960*	1960*	1960*	

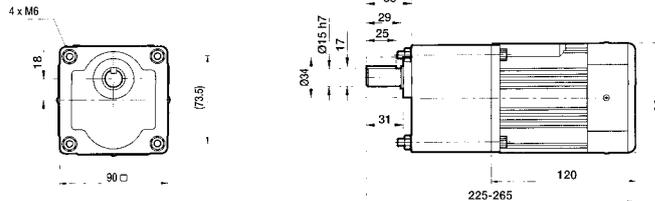
Output speed based on synchronous motor speed (1500 r/min). Actual speed depends on load resulting in 2-20% slower.

Dimensions (Inc. Gearbox)

Motor with terminal box



Motor with cable 300mm



Part No.	Description	Part No.	Description
M91C60G4GE	Induction motor with lead wire	M9GD3B	Ratio 3:1
M91C60GK4GE	Induction motor with terminal box	M9GD6B	Ratio 6:1
M9MC60G4GU	3x230v 3-Phase lead wire motor	M9GD12,5B	Ratio 12,5:1
M9MC60GK4W1	3x230v 3-Phase motor with terminal box	M9GD15B	Ratio 15:1
M9MC60GK4CE1	400v 3-Phase motor with terminal box	M9GD20B	Ratio 20:1
M9RC60GK4GE	Reversible motor with terminal box	M9GD25B	Ratio 25:1
M9RC60GBK4GE	Brake motor with terminal box	M9GD30B	Ratio 30:1
M91C60GVK4GE	Variable speed motor with tacho	M9GD50B	Ratio 50:1
		M9GD60B	Ratio 60:1
		M9GD75B	Ratio 75:1
		M9GD100B	Ratio 100:1
		M9GD150B	Ratio 150:1
		M9GD180B	Ratio 180:1
		M9GD10XB	Inter decimal gearbox 10:1

Also available in 110v AC

Other gearbox ratios on request

Foot mount

Part No.	Description
M9B2	Foot mount (forward feet)
M9B3	Foot mount (reverse feet)

90W



Induction motors with spur gears

- Wide stock programme
- Lead wire or terminal box
- All ball bearings gearbox as standard
- Externally wired temperature switch 120°C



Technical data, motor

	Supply voltage V AC/Hz	Output power (P2)W	Speed r/min.	Torque Ncm	Current A	Capacitor uF	Weight with gearbox kg
Induction motor M91C90G4GE / M91C90GK4GE (T-box)	1-Phase 230/50	90	1325	63	0,67	4,5 (430V)	4,6
M9MC90G4GU (3x230v, 3 Phs, leadwire)	3-Phase 230/50	90	1375	51	0,59	-	4,6
M9MC90GKP4W1 (3x230v, 3 Phs, T-box)	3-Phase 230/50	90	1375	51	0,59	-	4,6
M9MC90GK4CE1 (400v, 3 Phs, T-box)	3-Phase 400	90	1375	58	0,3	-	4,6
Reversible motor M9RC90GK4GE	1-Phase 230/50	90	1050	76	0,84	5,5 (430V)	4,6
Brake motor M9RC90GBK4GE	1-Phase 230/50	90	1050	76	0,84	5,5 (430V)	5,1
Variable speed motor (with tacho) M91C90GVK4GE	1-Phase 230/50	90	90-1200	24-58	1,3	4,5 (430V)	4,6

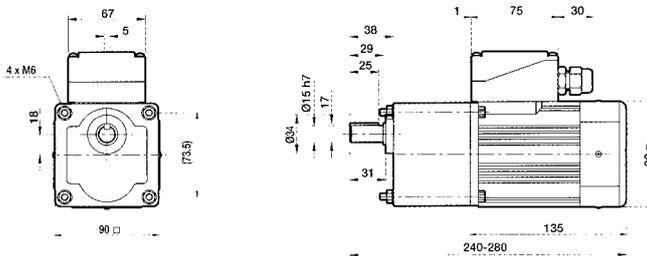
Technical data, gearbox

Nominal speed r/min.	500	200	120	100	75	60	50	30	20	15	8	
Nominal speed r/min.	3	7,5	12,5	15	20	25	30	50	75	100	180	Max. gearbox output torque 1960 Ncm
Nominal torque, Ncm	137	343	568	676	902	1090	1300	1960*	1960*	1960*	1960	

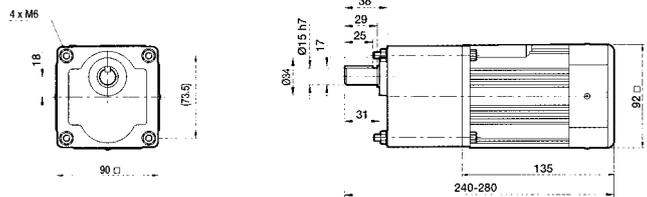
Output speed based on synchronous motor speed (1500 r/min). Actual speed depends on load resulting in 2-20% slower.

Dimensions (Inc. Gearbox)

Motor with terminal box



Motor with cable 300mm



Part No.	Description
M91C90G4GE	Induction motor with lead wire
M91C90GK4GE	Induction motor with terminal box
M9MC90G4GU	3x230v 3-phase lead wire motor
M9MC90GKP4W1	3x230v 3-phase motor with terminal box
M9MC90GK4CE1	400v 3-phase motor with terminal box
M9RC90GK4GE	Reversible motor with terminal box
M9RC90GBK4GE	Brake motor with terminal box
M91C90GVK4GE	Variable speed motor with tacho

Also available in 110v AC

Foot mount

Part No.	Description
M9B2	Foot mount (forward feet)
M9B3	Foot mount (reverse feet)

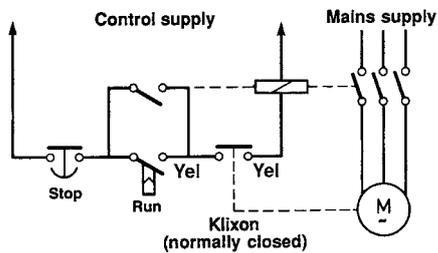
Part No.	Description
M9GD3B	Ratio 3:1
M9GD6B	Ratio 6:1
M9GD12,5B	Ratio 12,5:1
M9GD15B	Ratio 15:1
M9GD20B	Ratio 20:1
M9GD25B	Ratio 25:1
M9GD30B	Ratio 30:1
M9GD50B	Ratio 50:1
M9GD60B	Ratio 60:1
M9GD75B	Ratio 75:1
M9GD100B	Ratio 100:1
M9GD150B	Ratio 150:1
M9GD180B	Ratio 180:1
M9GD10XB	Inter decimal gearbox 10:1

Other gearbox ratios on request

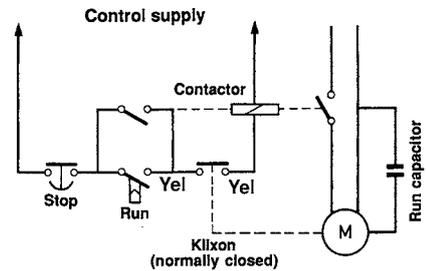
60 mm² motors are impedance protected.

IMPORTANT: For 70/80/90mm motors the thermal switch is no longer in series with motor windings. Please ensure that thermal switch is wired as in our recommendations (see diagram below).

Three phase circuit



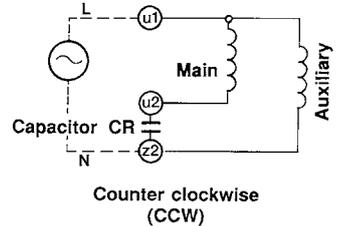
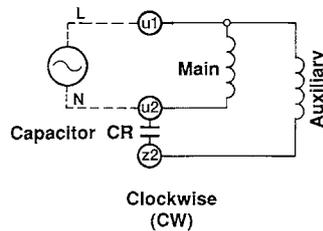
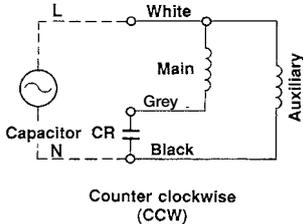
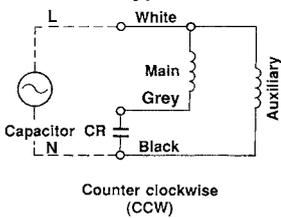
Single phase circuit



Panasonic single phase geared motors 230V/1ph/50Hz or 110V/1ph/50-60Hz

Lead wire type 60 – 70 mm²

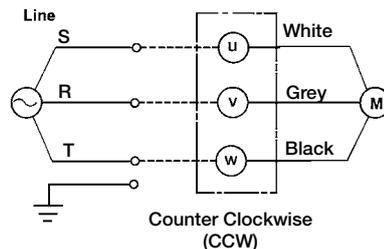
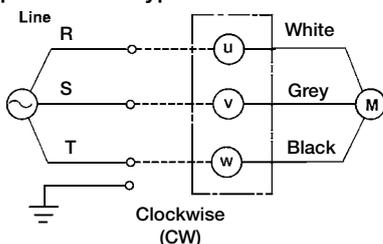
Terminal box type 80 – 90 mm²



Panasonic three phase geared motors 230V or 400V/3ph/50-60Hz

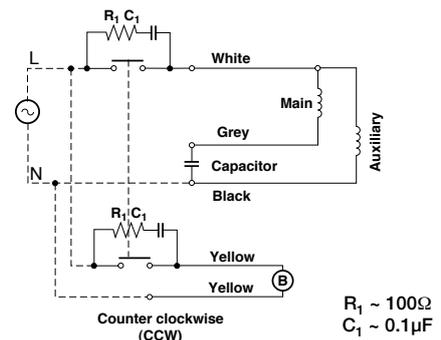
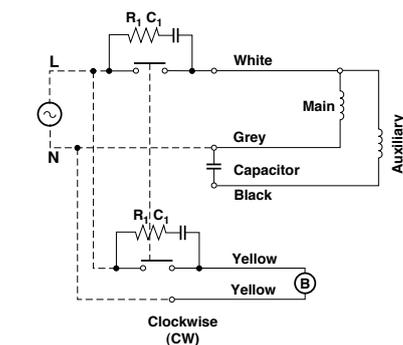
Terminal box type/leadwire type

80 – 90 mm²



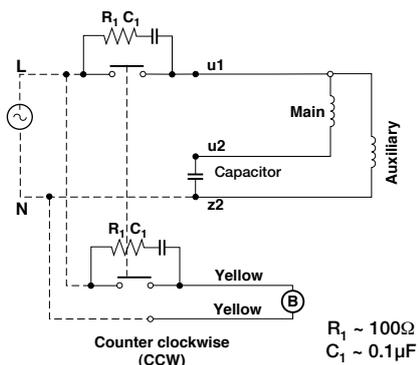
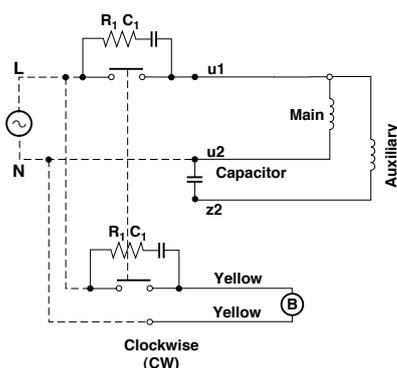
Panasonic single phase geared brake motors 230/1/50 or 115/1/50-60Hz

60 – 70 mm²



$R_1 \sim 100\Omega$
 $C_1 \sim 0.1\mu F$

80 – 90 mm²
Terminal box type



$R_1 \sim 100\Omega$
 $C_1 \sim 0.1\mu F$