

Marathon Motors (formerly General Electric)

115VAC wiring procedure for 3/4 hp Marathon motor model 5KC42JN0214 and 1 hp Marathon model 5KC49PN0216.
The following procedure is for wiring the pre-wired drum switch* to the motor using 14/5 control cable supplied by Fix Marine Supply.

1. Remove motor connection box cover.
2. With needle nose pliers, pull Motor Yellow, Motor White and Motor Red leads from terminal board. Clip and strip ends.
3. For 115V operation, move Motor Blue from terminal 4 to terminal 5.
4. Pop out plug on top of motor and position connector. Tighten ring connector.
5. Remove clamp cover on connector.
6. Cut and strip wires on switch harness. Slightly bend wires on switch harness and position through connector opening.
7. Insert clamp cover on connector. Tighten screws all the way in.
8. Insert and crimp fork type terminal on Switch Green and spade type terminals on Switch Red and Switch Black.
9. Position Switch Green under green grounding screw—tighten down. Check to make sure wire does not fall free.
10. Position Switch Black on spade terminal 1.
11. Position Switch Red on spade terminal 2.
12. Tie Motor Red to Switch White with wire nut. Check tightness and ensure wires do not pull free.
13. Tie Motor Yellow and Motor White to Switch Orange with wire nut. Check tightness to ensure wires don't pull free.
14. Check operation of motor.
15. Put cover on motor. Load Test.

230VAC wiring procedure for 3/4 hp Marathon motor model 5KC42JN0214 and 1 hp Marathon model 5KC49PN0216.
The following procedure is for wiring the pre-wired drum switch* to the motor using 14/5 control cable supplied by Fix Marine Supply.

1. Remove motor connection box cover.
2. With needle nose pliers, pull Motor Yellow lead from terminal board. Clip and strip ends.
3. For 230V operation, ensure that Motor White and Motor Red are connected to terminal 5, and Motor Blue is connected to terminal 4.
4. Pop out plug on top of motor and position connector. Tighten ring connector.
5. Remove clamp cover on connector.
6. Cut and strip wires on switch harness. Slightly bend wires on switch harness and position through connector opening.
7. Insert clamp cover on connector. Tighten screws all the way in.
8. Insert and crimp fork type terminal on Switch Green and spade type terminals on Switch Red and Switch Black.
9. Position Switch Green under green grounding screw—tighten down. Check to make sure wire does not fall free.
10. Position Switch Black on spade terminal 1.
11. Position Switch Red on spade terminal 2.
12. Tie Motor Yellow to Switch Orange with wire nut. Check tightness and insure wires do not pull free.
13. Tie-off Switch White with wire nut. Check tightness to insure that copper is not exposed.
14. Check operation of motor.
15. Put cover on motor. Load Test.

Procedure for converting pre-wired 115VAC Marathon motor to 230VAC operation.
For use on Marathon 3/4 hp # 5KC42JN0214 and Marathon 1 hp # 5KC49PN0216 ONLY.

1. Remove motor connection box cover.
2. Remove wire nut connecting Motor Red to Switch White. Insert and Crimp spade connector on Motor Red lead.
3. Connect Motor Red to terminal 5.
4. Tie off Switch White (put wire nut on end of wire).
5. For 230V operation, move Motor Blue from terminal 5 to terminal 4.
6. Remove wire nut connecting Motor Yellow, Motor White, & Switch Orange. Insert and crimp spade connector on Motor White.
7. Reconnect Motor Yellow & Switch Orange using wire nut, check tightness to make sure wires do not pull free.
8. Connect Motor White to terminal 5.
9. Verify motor is wired correct for 230V operation by checking 230V wiring procedure on previous page.
10. Check operation of motor.
11. Put cover on motor. Load Test.

115VAC wiring procedure for 1.5 hp Marathon motor # 5KCR49SN0068A.
The following procedure is for wiring the pre-wired drum switch* to the motor using 14/5 control cable supplied by Fix Marine Supply.

1. Connect Switch Black Wire to Motor Terminal 1.
2. Connect Motor Red Wire to Switch White Wire with Wire Nut.
3. Connect Motor Blue Wire to Motor Terminal 5.
4. Connect Motor Black Wire to Switch Red Wire with Wire Nut.
5. Connect Motor White Wire to Motor Terminal 2
6. Connect Switch Orange Wire to Motor Terminal 2
7. Connect Switch Green Wire to Ground Screw.

The Black Motor Wire
If you accidentally remove the black motor wire in the Marathon Motor, please return it to Terminal A