Upon receiving the motor:

Check for physical damage on the housing, shaft, or fan.

Manually rotate the shaft to verify smooth movement and absence of rubbing.

Compare the nameplate data with the purchase order (voltage, frequency, power, and speed).

Safety and Control Devices

Install a manual or magnetic starter suitable for the motor power.

The starter must include thermal overload protection.

Use fuses or circuit breakers for short-circuit protection.

If reusing an existing starter, adjust or replace the protection elements (heaters).

Power Supply

The supply voltage must be 220 V or 440 V three-phase as indicated on the nameplate.

Frequency must match the nameplate (normally 60 Hz).

The voltage unbalance between phases must not exceed 1 %.

Incorrect voltage causes overheating and reduced service life.

Mechanical Mounting

Mount the motor on a rigid, flat base.

Ensure proper alignment with the driven machine.

Do not use the flexible coupling to correct misalignment.

Adjust belts without overtensioning.

Provide adequate ventilation and avoid excessive humidity or dust.

CONNECTING POWER TO MOTOR

To connect motor for proper voltage and rotation, refer to the connection diagram on the nameplate or inside the terminal / conduit box.

Maintenance

Keep the motor free of dust, dirt, and moisture.

Periodically check operating temperature.

Retighten bolts and electrical connections.

Lubricate bearings according to manufacturer's recommendations.

KE3132M2-4 3PH

4POLES CAST IRON

INSTALLATION AND MAINTENANCE INSTRUCTIONS

The purpose of this booklet is to help you install, operate and maintain ACG Motors to assure that you will get full advantage of their built-in efficiency and reliability. Following the recommended installation and maintenance procedures will extend the service life of the motor and minimize downtime.

Carefullyreadandfullyunderstand theOwner'sManualpriorto installation, operation and maintenance of your motor.

Electrical Connections

SWE three-phase motors have **6 terminals**: U1 – V1 – W1 and U2 – V2 – W2.

220 V – Δ (Delta) connection:

Bridges: U1–W2, V1–U2, W1–V2

L1 to U1, L2 to V1, L3 to W1

440 V – Y (Star)connection:

Bridges: connect U2–V2–W2together

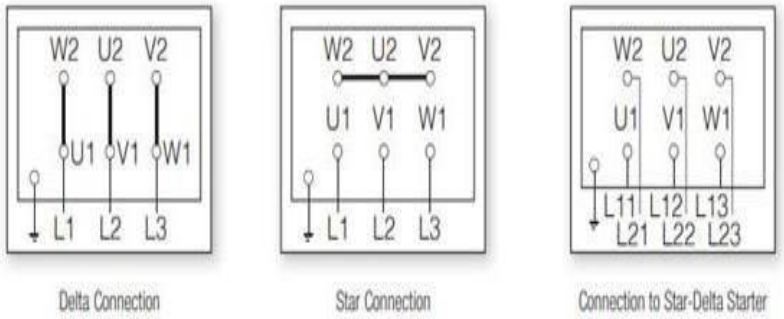
L1 to U1, L2 to V1, L3 to W1

Star–Delta starting (if applicable): start in Y and switch to Δ.

Reversing rotation: swap any two supply phases.

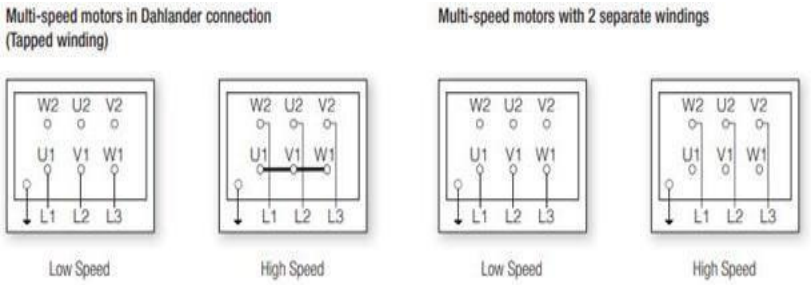
CONNECTION DIAGRAM AND PROTECTION - RMS SERIES

Connection Diagrams (Three Phase Motors with Cage Rotor)



Connection Diagrams

Triángulo (Δ) – 220 V / Delta (Δ) – 220 V



All motors comply to the international standard IEC60034-5. This standard specifies the Degree of Protection of each electric equipment, commonly known as the "IP" code. See table below

Start-up

Check all connections before energizing.
Start the motor and verify rotation direction.
Monitor line current (≤ nameplate current).
Check for abnormal noise or vibration.