

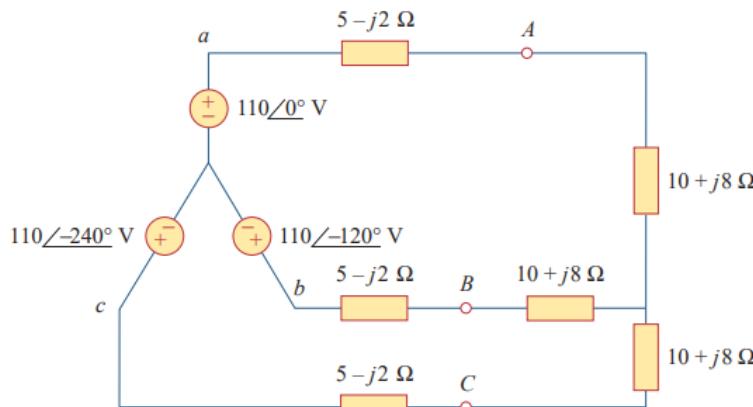
# Power in 3-phase system

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We may do this even if the neutral line is absent, as in the three-wire system.

Calculate the line currents in the three-wire Y-Y system of Fig. 12.13.

### Example 12.2



**Figure 12.13**

Three-wire Y-Y system; for Example 12.2.

#### Solution:

The three-phase circuit in Fig. 12.13 is balanced; we may replace it with its single-phase equivalent circuit such as in Fig. 12.12. We obtain

# Question

- Determine the total power, average power and reactive power at the source and at the load