Three-Phase Motor Full-Load Current and Power

11/10/2026

Project: motor-flc-3phase

Input Parameters

Line-to-line voltage	415.00 V
Rated shaft output	55.000 kW
Efficiency at full load	93.000 %
Power factor at full load	0.88000 -

Calculated Results

Electrical input power	59.140 kW
Full-load line current	93.495 A
Apparent power	67.204 kVA
Reactive power	31.920 kvar
Motor losses (heat)	4.1398 kW