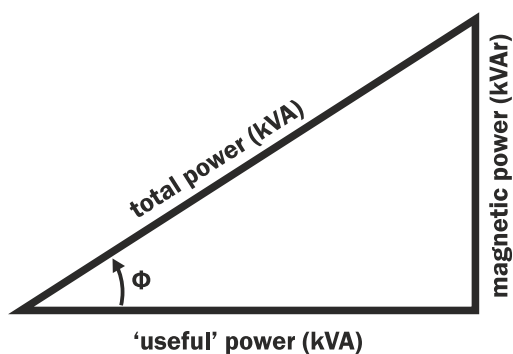


Capacitors for Power Factor Correction (PFC)



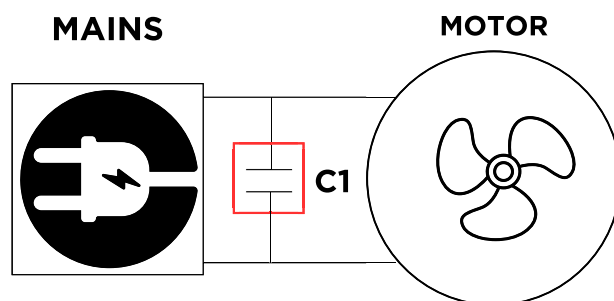
Power Factor is the ratio of useful (true) power (kW) to total (apparent) power (kVA) consumed by a.c. electrical equipment or an entire installation. It measures how efficiently electrical power converts into useful work. The ideal power factor is one. Anything less means extra power is needed for the task.

$$\text{Power factor (pf)} = \frac{\text{Useful power (kW)}}{\text{Total power (kVA)}}$$

Power factor correction restores power factor close to unity economically. This is done by adding capacitors to the electrical network, compensating for reactive power demand, and reducing supply burden. Equipment operation remains unaffected.



Functional block diagram



C1: PFC Capacitor

Why Deki

One-Stop Shop
for All Film
Capacitor Needs

Comprehensive
DC & AC
Capacitor Solutions

Single-Digit
PPM Quality

Global Quality
Designed and
Made in India

Fast & Reliable
Delivery Prioritizes
Customer Deadlines

Capacitors for Power Factor Correction (PFC)

The Deki Range

Series No.	Capacitor Type	Function	Voltage range	KVAR range
198 - MS box 498 - Aluminium round	PFC	Power factor correction	440VAC	1KVAR to 50KVAR

For more details on the Deki range of capacitors for Power Factor Correction, please scan the QR code.



Deki Capacitors: Optimizing Efficiency in Power Factor Correction



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