

Capacitor Based PFC: Small Load, Remote Standalone Correction System. 400V at 50Hz , 3 Phase



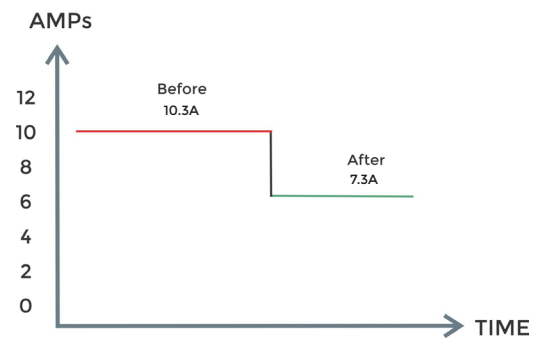
Small load capacitors can be used to correct the power factor of a single load without the expense and complexity of a standard automatic unit. Commonly used on cowshed pumps or motors, irrigation pumps, and chillers. Making it the easiest way to correct power factor and reduce kVA demand out in the field.

Small Load Capacitor Highlights:

- Allows for smaller cables within the whole system
- Reduce the kVA demand by 30%
- Power correction can be located right next to the motor or pump.
- Double insulated

Housing:	Vacumm moulded PVC
Filler:	2 pot resin with Hostelen Polypropylene beads
Capacitors:	Elco resin filled, plastic housing, u (spade) terminals
Cable:	1M, 1.5mm rubber flex, 3 core (red, white, blue)
IP Rating:	IP65
Discharge Resistors:	None fitted
Voltage Rating:	400V / capacitor rating 450V
kVA Rating @:	50Hz

Small Load Capacitor Before & After
5kW Motor Running at 0.7 Power Factor



Code:	Size (mm)	kVA at:	
	H x W D	400V	Measured uF
KVA-EM-400-0.5	120 x 160 x 50	0.5	5
KVA-EM-400-0.75	120 x 160 x 50	0.75	7.5
KVA-EM-400-1.0	120 x 160 x 50	1.0	10
KVA-EM-400-1.5	120 x 160 x 50	1.5	15
KVA-EM-400-2.0	120 x 160 x 50	2.0	20
KVA-EM-400-2.5	120 x 160 x 50	2.5	25
KVA-EM-400-3.0	120 x 160 x 50	3.0	30
KVA-EM-400-3.75	130 x 170 x 50	3.75	38
KVA-EM-400-4.5	130 x 170 x 50	4.5	45

NOTES & WARNINGS:

- wait one minute before handling after disconnecting. Short terminals together and earth.
- These capacitors are not suitable for power supplies with harmonics in the system.
- Non PCB
- No discharge resistors in this capacitor

