



## Power Factors for Typical Industrial Loads

Typical Industrial Loads and Their Common Power Factors	
Load	Typical Power Factor
Incandescent Lamps	1.0
Fluorescent Lamps	0.95 – 0.97
Synchronous Motors	1.0 – 0.80 leading
<b>Squirrel Cage Motors</b>	
High Speed	0.75 – 0.90
Low Speed	0.85 – 0.92
Wound Rotor	0.80 – 0.90
<b>Induction Motors</b>	
Fractional HP	0.55 – 0.75
1- 10 HP	0.75 – 0.85
Arc Furnace	0.65 – 0.70
Induction Furnaces	0.90 – 1.0*
Power Converter (SCR Type)	0.50 – 0.90
* Capacitors usually include with the Induction Furnace	