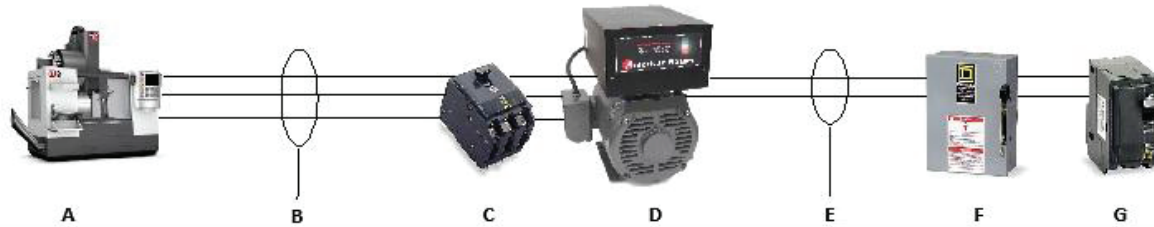


Installation



Load FLA (full load amps)	3 ph. Wire gauge	3 ph. Breaker or Fuse	Panel to Generator wire gauge		1 ph. Wire gauge	1 ph. Safety Disconnect	1 ph. Breaker or Fuse						
Amps @ operating voltage	Load FLA x 1.2 (round up)	3 ph. Wire amp rating x 1.25 (round up)	3 ph. Wire from Phase converter panel to idler/generator		3 ph. Load amps x	1 ph. Amps (round up)	1 ph. Wire amp rating x 1.25 (round up)						
240V = HP X 2.8 = (Kw X 2.8)/PF = Kva / 2.75	<i>increase wire size for every 50 feet</i> <table><tr><th>wire size</th><th>amps</th></tr><tr><td>14</td><td>20</td></tr><tr><td>12</td><td>25</td></tr></table>	wire size	amps	14	20	12	25	Caution: This is a minimum rating for a breaker or Fuse for proper performance and operation of the phase converter and may not meet applicable local, state or national electric codes.	Converter HP	wire size	1.5 for AR, AD, ADX voltage balanced phase converters or 1.9 for other rotary type phase converters by other manufacturers	available in these common sizes	Caution: This is a minimum rating for breaker or Fuse for proper performance and operation of the phase converter and may not meet applicable local, state or national electric codes.
wire size	amps												
14	20												
12	25												
3	12	30 A											
5	12	60A											
7.5	12	100A											
10	12	200A											
15	12	400A											
20	10	600A											
25	8												
30	8												
40	6												
50	4												
60	3												
75	2												
<i>increase wire size for every 50 feet.</i>		Use table in column B to find wire size.	also commonly available in fused or non-fused										
480V = HP x 1.4 = (kW x 1.4)/PF = kVA / 1.4	10	35											
	8	50											
	6	65											
	4	85											
	3	100											
208V = HP X 3.2 = (Kw X 3.2)/PF = Kva / 3.15	2	115											
	1	130											
	1/0	150											
	2/0	175											
PF (power factor) typical motor = .8 resistive heater = 1 welder = .85	3/0	200											
	4/0	230											
	250	255											
	300	285											
	350	310											

NOTE: Ground all equipment. This table is not intended to replace or supercede Local, State or National Electric codes.