



MGM TRANSFORMER COMPANY

CITY OF COMMERCE, CA 90040

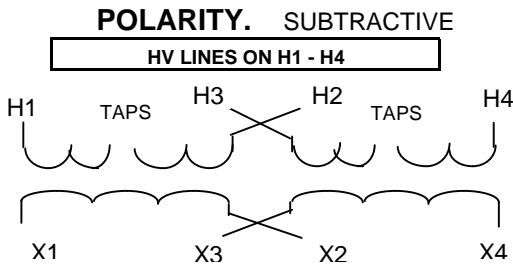
XX KVA SINGLE PHASE 60 HZ TYPE HS

VOLTAGE 240 X 480 - 120/240 WITH ELECTROSTATIC SHIELD

INSUL. SYS. 220° C 150 ° C RISE COOLING CLASS "AA"

CAT. NO. HS(XX)C3B2SH IMPEDANCE % AT 170 ° C

SN. WEIGHT LBS. APPROX.



LV	CONNECT
240	X2 - X3
120/240	* X2 - X3
120	X1 - X3, X2 - X4

* THREE WIRE OPERATION



HV LINKS ACROSS H2 - H3		
VOLTS	CONNECT TAPS	
504	3 - 4	7 - 8
492	3 - 4	6 - 8
480	2 - 4	6 - 8
468	3 - 5	6 - 8
456	3 - 5	7 - 9
444	2 - 5	7 - 9
432	2 - 5	6 - 9
HV LINKS ACROSS H1 - H3 & H2 - H4		
VOLTS	CONNECT TAPS	
252	3 - 4	7 - 8
240	2 - 4	6 - 8
228	3 - 5	7 - 9
216	2 - 5	6 - 9

This transformer takes 1 phase input at either 240 or 480 volts and provides 1 phase output at either 240 or 120 volts.

INSTRUCTIONS FOR CONNECTING THIS TRANSFORMER:

Connect single phase power from utility (either 480 or 240 volts) to H1 and H4 terminals

If input voltage is approximately 480 volts connect link between terminals H2 and H3

If voltage is 480 volts (nominal voltage) connect tap jumpers between taps 2 and 4 & 6 and 8 (factory default setting)

If voltage is above 480 volts connect tap jumpers between:

Taps 3 and 4 & Taps 6 and 8 if 492 volts

Taps 3 and 4 & Taps 7 and 8 if 504 volts

If voltage is below 480 volts connect tap jumpers between:

Taps 3 and 5 & Taps 6 and 8 if 468 volts

Taps 3 and 5 & Taps 7 and 9 if 456 volts

Taps 2 and 5 & Taps 7 and 9 if 444 volts

Taps 2 and 5 & Taps 6 and 9 if 432 volts

All adjustments to transformer should be performed only by a qualified electrician. Disconnect power before working on the transformer.

If input voltage is approximately 240 volts connect links between terminals H1 and H3 & terminals H2 and H4.

If voltage is 240 volts (nominal voltage) connect tap jumpers between taps 2 and 4 & 6 and 8 (factory default setting)

If voltage is above 240 volts and not above 252 volts connect tap jumpers between taps 3 and 4 & 7 and 8

If voltage is below 240 volts connect tap jumpers between:

Taps 3 and 5 & Taps 7 and 9 if 228 volts

Taps 2 and 5 & Taps 6 and 9 is 216 volts

If output voltage desired is 240 volts connect link between X2 and X3

If output voltage desired is 120 volts connect links between X1 and X3 & X2 and X4

If you require output voltage at both 240 and 120 volts connect link between X2 and X3 and ground link.

240 volts can be drawn from X1 and X4; 120 volts can be drawn from X1 or X4 and grounded link between X2 and X3

This configuration uses three wires, X1, X2/X3, and X4