

LOAD CALCULATIONS FOR "PANEL HP1"  
 BASED ON THE 2008 NEC

NEC 220.61(A)

	L1	L2	NEUTRAL
CALCULATED LOAD ( NEC 215.5 )	9,423 VA	12,085 VA	12,085 VA
CALCULATED LOAD WITH DEMAND FACTORS ( NEC 215.5 )			
GENERAL LOAD	500 VA	250 VA	250 VA
RECEPTACLE LOAD (NEC TABLE 220.44)			
1ST 10,000W	900 VA	2,100 VA	2,100 VA
CONTINUOUS LOAD (NEC 215.2)	8,023 VA	9,735 VA	9,735 VA
PLUS 25% (L1, L2, L3)	2,006 VA	2,434 VA	
0% (NEUTRAL) NEC 215.2(A) EX NO 2			0 VA
MOTOR LOAD (NEC 430.24)	0 VA	0 VA	0 VA
PLUS 25% OF LARGEST MOTOR	0 VA	0 VA	0 VA
KITCHEN LOADS (NEC 220.56)			
L1 ( 0 X 1 ) =	0 VA		
L2 ( 0 X 1 ) =		0 VA	0 VA
TOTAL BALANCED LOAD (1-PHASE)	11,429 VA	11,429 VA	
TOTAL UNBALANCED LOAD (1-PHASE)	0 VA	3,090 VA	
NEUTRAL LOAD			12,085 VA
LINE AMPS BALANCED (1-PHASE)	109.9 A	109.9 A	
LINE AMPS UNBALANCED (1-PHASE)	0.0 A	25.8 A	
TOTALS	109.9 A	135.7 A	100.7 A
ADJUSTMENT FACTOR	11.0 A	13.6 A	10.1 A
TOTAL DESIGN LOAD	120.9 A	149.3 A	110.8 A

KEY

A - Amps

VA - Volt Amps