

LOAD CALCULATIONS FOR "PANEL HP1"
BASED ON THE 2026 NEC

	L1	L2
CALCULATED LOAD - NEC 215	14,800 VA	13,600 VA
CALCULATED LOAD WITH DEMAND FACTORS		
GENERAL LOAD	0 VA	0 VA
RECEPTACLE LOAD - NEC TABLE 120.47		
1ST 10,000W	3,600 VA	2,400 VA
CONTINUOUS LOAD - NEC 215.4(A)(1)	8,000 VA	8,000 VA
PLUS 25%	2,000 VA	2,000 VA
MOTOR LOAD - NEC 430.24	3,200 VA	3,200 VA
PLUS 25% OF LARGEST MOTOR	800 VA	800 VA
11 - KITCHEN LOADS - NEC 120.56		
L1 (0 X 0.65) =	0 VA	
L2 (0 X 0.65) =		0 VA
TOTAL BALANCED LOAD (1-PHASE)	16,400 VA	16,400 VA
TOTAL UNBALANCED LOAD (1-PHASE)	1,200 VA	0 VA
NEUTRAL LOAD		
LINE AMPS BALANCED (1-PHASE)	136.7 A	136.7 A
LINE AMPS UNBALANCED (1-PHASE)	10.0 A	0.0 A
TOTALS	146.7 A	136.7 A
ADJUSTMENT FACTOR	0.0 A	0.0 A
TOTAL DESIGN LOAD	146.7 A	136.7 A

KEY

A - Amps

VA - Volt Amps