

SINGLE PHASE PANEL SCHEDULE

Panel	Bus Rating	Single Phase	Voltage
Location	<input type="checkbox"/> Main Breaker () A	<input type="checkbox"/> 4-wire	<input type="checkbox"/> 120/240
Fed form	<input type="checkbox"/> Main lugs Only () A	<input type="checkbox"/> 3-wire	<input type="checkbox"/> 120/208
A/C <input type="checkbox"/> 10K <input type="checkbox"/> 14K <input type="checkbox"/> 18K <input type="checkbox"/> 22K <input type="checkbox"/> 25K	<input type="checkbox"/> Fed-thru lugs	<input type="checkbox"/> Iso, GND	<input type="checkbox"/>
<input type="checkbox"/> 42K <input type="checkbox"/> 65K <input type="checkbox"/> 100K <input type="checkbox"/> 150K <input type="checkbox"/> 200K	<input type="checkbox"/> Double lugs		

	Circuit Description	Code	Load (VA)	Breaker	Pole	Bus	Pole	Breaker	Load (VA)	Code	Circuit Description	
1						A						
3						B						2
5						A						4
7						B						6
9						A						8
11						B						10
13						A						12
15						B						14
17						A						16
19						B						18
21						A						20
23						B						22
25						A						24
27						B						26
29						A						28
31						B						30
33						A						32
35						B						34
37						A						36
39						B						38
41						A						40
						B						42

Code Description

L=Lighting

R=General Use Receptacles

M=Total Motor Load

LM=Largest Single Motor

S=Dedicated Receptacles

H=HVAC

K=Kitchen Equipment

Z=Miscellaneous or Appliances

PANEL LOAD CALCULATION

Date	Manufacturer's Serial Number:	Panel
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<input type="checkbox"/> 120/240 <input type="checkbox"/> Single Phase <input type="checkbox"/> 120/208 <input type="checkbox"/> Three Phase <input type="checkbox"/> 277/480	Connected load	Demand load
	Connected amps	Demand amps

Load	Connected Load	Demand Factor	Demand Load
Lighting		X 125%	=
Gen use receptacles <10 KVA		X100%	=
Gen use receptacles >10 KVA		X 50%	=
Motors & compressors		X100%	=
(Largest)	()	X 25%	=
Computer receptacles		X100%	=
Mechanical & HVAC		X100%	=
Kitchen equipment		X %	=
Miscellaneous			=
Miscellaneous		X %	=

Definitions

Connected Load

1. The nameplate rating of all appliances that are fastened in place, permanently located to be connected on a specific circuit. (Water heaters, space heaters, ranges, refrigerators, etc.)
2. 180 VA for each general use receptacle
3. Maximum VA of lighting fixtures
4. Full load amps/KVA of all motors from Table 430-247, 248, 249 and 250 of the National Electric Code

Demand calculated load

The connected load after any code required adjustment factor has been applied. Load calculations shall be submitted/express in KVA and converted to amps when sizing feeders and equipment.

THREE PHASE PANEL SCHEDULE

Panel	Bus Rating	Three Phase	Voltage
Location	<input type="checkbox"/> Main Breaker () A	<input type="checkbox"/> 4-wire	<input type="checkbox"/> 120/208
Fed from	<input type="checkbox"/> Main lugs Only () A	<input type="checkbox"/> 3-wire	<input type="checkbox"/> 277/480
A/C <input type="checkbox"/> 10K <input type="checkbox"/> 14K <input type="checkbox"/> 18K <input type="checkbox"/> 22K <input type="checkbox"/> 25K	<input type="checkbox"/> Fed-thru lugs	<input type="checkbox"/> Iso, GND	
<input type="checkbox"/> 42K <input type="checkbox"/> 65K <input type="checkbox"/> 100K <input type="checkbox"/> 150K <input type="checkbox"/> 200K	<input type="checkbox"/> Double lugs		

Circuit Description		WATTAGE			CODE	POLE	BRK	BKR	POLE	CODE	WATTAGE			Circuit Description	CIR
		A	B	C							A	B	C		
1															
3														2	
5														4	
7														6	
9														8	
11														10	
13														12	
15														14	
17														16	
19														18	
21														20	
23														22	
25														24	
27														26	
29														28	
31														30	
33														32	
35														34	
37														36	
39														38	
41														40	
														42	

Code Description

L=Lighting

R=General Use Receptacles

M=Total Motor Load

LM=Largest Single Motor

S=Dedicated Receptacles

H=HVAC

K=Kitchen Equipment

Z=Miscellaneous or Appliances

PANEL LOAD CALCULATION

Date	Manufacturer's Serial Number:	Panel
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<input type="checkbox"/> 120-240 <input type="checkbox"/> Single Phase <input type="checkbox"/> 120-208 <input type="checkbox"/> Three Phase <input type="checkbox"/> 277-480	Connected load	Demand load
	Connected amps	Demand amps

Load	Connected Load	Demand Factor	Demand Load
Lighting		X 125%	=
Gen use receptacles <10 KVA		X100%	=
Gen use receptacles >10 KVA		X 50%	=
Motors & compressors		X100%	=
(Largest)	()	X 25%	=
Computer receptacles		X100%	=
Mechanical & HVAC		X100%	=
Kitchen equipment		X %	=
Miscellaneous			=
Miscellaneous		X %	=

Definitions

Connected Load

1. The nameplate rating of all appliances that are fastened in place, permanently located to be connected on a specific circuit. (Water heaters, space heaters, ranges, refrigerators, etc.)
2. 180 VA for each general use receptacle
3. Maximum VA of lighting fixtures
4. Full load amps/KVA of all motors from Table 430-247, 248, 249 and 250 of the National Electric Code

Demand calculated load

The connected load after any code required adjustment factor has been applied. Load calculations shall be submitted/express in KVA and converted to amps when sizing feeders and equipment.