

GENERATOR CLEARANCES

- The general rule-of-thumb is to leave **5 feet** between generators and between a generator and other equipment, walls, or obstructions. AHJ's recommend that a system installer maintain the 5 foot separation wherever possible and only rely on the exceptions when absolutely necessary for a particular installation.
- NFPA 70 (NEC) Table 110.26(A)(1)
The working space for Condition 2 (Exposed live parts on one side of the working space and grounded parts on the other side..) is **3'6"** for 151-600V. This would apply to the circuit breaker and electrical power enclosure.
- There should be clearance to open the doors on the generator for servicing. Typically, this is **3'6"**.
- NFPA 110 7.2.6
For INDOOR installation the "EPS equipment shall be installed in a location that permits ready accessibility and a minimum of 0.9m (36 in.) from the skid rails outermost point in the direction of access for inspection, repair, maintenance, cleaning, or replacement. This requirement shall not apply to units in outdoor housings."
- NFPA 37 4.1.4
Requires that generators be placed no closer than **5 feet** from operable windows, doors, or combustible walls. This does not apply to noncombustible walls. There is also an exception if the generator has a weather protective enclosure that is constructed of noncombustible materials and it has been demonstrated that a fire within the enclosure will not ignite combustible materials outside the enclosure. Generac air-cooled generators may be mounted within 18 inches of a house, but must still maintain the 5 foot rule for operable windows and doors. There are no specific parameters given for the actual enclosure fire test.
- Generator must have adequate air flow. A good rule of thumb is **5 feet**, although smaller generators may not need this much.

PLACEMENT DIAGRAM — AIR-COOLED GENERATORS

