

(800) 634-9010

Website Search

Go

[About Us](#)[Contact Us](#)[Employee Login](#)[About Us](#)[Material Handling](#)[Fleet Services](#)[Power Systems](#)[Resources](#)[Locations](#)[Careers](#)

Generator Set Foundations – Concrete Pad Recommendation

[« Next Post](#)[Previous Post »](#)

Recent Posts

Properly sizing the concrete pad is fundamental to a generator installation. There are many variations to how a concrete pad can be sized properly. The pad can be poured to accommodate only the skid frame or subbase tank of the generator set, thus having the enclosure intake and discharge hoods extend beyond the pad on both ends. The pad can also be poured utilizing the enclosure dimensions versus frame dimensions, thus

centering the entire unit on the pad. Both methods will work and neither is functionally better than the other.



- [Comprehensive Emergency Power Plan – Your Guide to Business Continuity](#)
- [The Basics of Selecting Transfer Switches](#)
- [Basic Sizing for Mobile Generators – Whitepaper](#)
- [Could Warehouse Automation be your New Normal?](#)
- [Vinyl Forklift Seats Make Disinfecting a Breeze](#)

Archives

- [July 2020](#)
- [June 2020](#)
- [May 2020](#)
- [April 2020](#)
- [March 2020](#)
- [February 2020](#)
- [January 2020](#)
- [December 2019](#)
- [November 2019](#)
- [October 2019](#)
- [September 2019](#)
- [August 2019](#)
- [June 2019](#)
- [May 2019](#)
- [March 2019](#)
- [February 2019](#)
- [August 2018](#)
- [May 2018](#)
- [April 2018](#)
- [February 2018](#)
- [December 2017](#)
- [November 2017](#)

The following are critical elements to consider when sizing and pouring a pad:

1. Look at the submittal for the stub up drawings for the skid frame or subbase tank, and compare these to the weather enclosure elevation drawing. The skid frame or subbase tank are the part of the generator set that will rest on the pad. The weather enclosure mounts above the skid/tank, and is your longest dimension, but does not rest on the pad. Now is the time to decide if you want the entire unit centered on a longer pad, or if a shorter pad for just the skid/tank is all you need.
2. The choice made above will be pivotal to placing your conduit properly. Sketch up your equipment using start of enclosure, start of skid/tank, end of skid/tank and end of enclosure as your reference points. Now use your drawings to verify your conduit location is correct on the sketch.
3. Plan for a housekeeping apron around your generator set of at least 6" minimum on all four sides. With your plan above and the decision on the size of the apron, you now can determine your overall pad length and width.

4. A common specification for a concrete pad is 2500 psi compression strength concrete reinforced with #6 rebar on 12 inch centers. This pad should be seated on a solid subsurface. The pad should be flat and level to within ½ inch.
5. The depth of the pad is calculated as 125% of the unit wet weight (fuel included). A 10,000 lb generator would thus require a 12,500 lb pad. Concrete weighs approximately 150 lbs/cu ft.

Use the following formula, marking sure to use feet instead of inches:

Pad Weight= (Pad Length x Pad Width x Pad Height) x 150



[Contact Us](#) for further assistance. We will gladly help guide you through your generator projects throughout Wisconsin and Upper Michigan.

This entry was posted in [generator concrete pads](#), [Generators](#), [Wolter Power Systems](#) and tagged [Generator pad sizing](#) by [kristin](#)

[« Next Post](#)

[Previous Post »](#)

- [October 2017](#)
- [September 2017](#)
- [August 2017](#)
- [July 2017](#)
- [June 2017](#)
- [May 2017](#)
- [April 2017](#)
- [March 2017](#)
- [February 2017](#)
- [January 2017](#)
- [December 2016](#)
- [November 2016](#)
- [October 2016](#)
- [September 2016](#)
- [August 2016](#)
- [July 2016](#)
- [June 2016](#)
- [May 2016](#)
- [April 2016](#)
- [March 2016](#)
- [February 2016](#)
- [January 2016](#)
- [December 2015](#)
- [November 2015](#)
- [October 2015](#)
- [September 2015](#)
- [August 2015](#)
- [July 2015](#)
- [March 2015](#)
- [November 2014](#)
- [September 2014](#)
- [July 2014](#)
- [May 2014](#)
- [April 2014](#)
- [March 2014](#)
- [September 2013](#)
- [August 2013](#)
- [June 2013](#)
- [March 2013](#)
- [February 2013](#)
- [January 2013](#)
- [December 2012](#)
- [November 2012](#)

[Wolter
Group LLC](#)

[Wisconsin
Lift Truck](#)

[Illinois
Material
Handling](#)

[Fleet
Services](#)

[Wolter
Power
Systems](#)

[Ellis
Systems](#)

[Kensar
Equipment
Company](#)

[Bohnert
Equipment
Company](#)

3125 Intertech Drive
Brookfield WI 53045
Phone: (800) 634.9010
[Privacy Policy](#)



- Copyright ©2020 Wolter Group LLC. All Rights Reserved. -

[Privacy](#) - [Terms](#)