



Rheem-Ruud SPIDERfire new longer vent lengths transfers to previous models

With the recent release of Energy Star SPIDER fire® and new longer equivalent vent lengths, Rheem-Ruud is pleased to announce that most non-Energy Star models will allow longer vent runs too. All models can be extended with longer vent configurations except the GHE80-250, GHE80-300, GHE100-250, and GHE100-300. Please see the chart below for equivalent vent length information for all Energy Star and non-Energy Star models.

Vent Length Matrix for GHE## and GHE##ES models after Energy Star Certification – Dated 3/3/2014 PV and PDV lengths for non-ES (Previous Units) and ES models (Newly Released)

Input Range	Models with firing rate less than 200,000 Btu/h		Models with input rates firing at 250,000 and 300,000 Btu/h				Models with firing rate greater than 300,000 Btu/h	
	Non-Energy Star GHE80 & GHE100	Energy Star (ES) GHE80ES & GHE100ES	Non-Energy Star GHE80 & GHE100		Energy Star GHE80ES & GHE100ES		Non-Energy Star GHE100	Energy Star GHE100ES
Inputs	130k,150k,160k,199k		250K	300k	250k	300k	350k,400k	
2" Power Vent	20 feet		N/A		N/A		N/A	
2" Power Direct Vent	20 feet		N/A		N/A		N/A	
3" Power Vent	120 feet		40 feet		80 feet		50 feet	
3" Power Direct Vent	60 feet		40 feet		50 feet		50 feet	
4" Power Vent	170 feet		65 feet	40 feet	130 feet		100 feet	
4" Power Direct Vent	120 feet		65 feet	40 feet	120 feet		70 feet	
6" Power Vent	N/A		N/A		N/A	120 feet	120 feet	
6" Power Direct Vent	N/A		N/A		N/A	120 feet	120 feet	

With the chart above you can see that;

- All previous GHE## models and new GHE##ES models, **less than 200,000 Btu/h** can be vented to the longer vent runs – both Energy Star and non-Energy Star models.
- All previous GHE## models and new GHE##ES models, **greater than 300,000 Btu/h** can be vented to the new longer vent lengths – both Energy Star and non-Energy Star models.
- Both areas colored in light gray represent the longer vent run applying to the previous base models *without* the ES designation and new base models with ES designation in the models numbers.

Also with the chart you can see in the non-shaded areas for the models with an input rate of 250,000 Btu/h and 300,000 Btu/h have different equivalent vent lengths. Due to a design change from pre-Energy Star products to new Energy Star certified product, the longer vent runs are not allowed on the pre-Energy Star products. Pre-Energy Star products should be installed to the equivalent vent length released in the first generation product as illustrated by the chart.

Please refer to the use and care manual for complete venting guidelines.