Standby generator load calculator

List circuits that will run together. Enter motor LRA where known; the largest surge is added to the running total.

Circuit / load	Volts	Running amps	LRA (motors)	Running kW	Surge kW above running
Refrigerator	120	6		0.72	
Furnace blower	120	7		0.84	
Well pump 1 HP	240	8	45	1.92	8.88
Central A/C 3 ton	240	15	80	3.6	15.6
Lights & outlets	120	20		2.4	
Total				**9.48**	

Largest surge kW	15.6
Peak kW	25.08
Recommended kW (+15%)	29