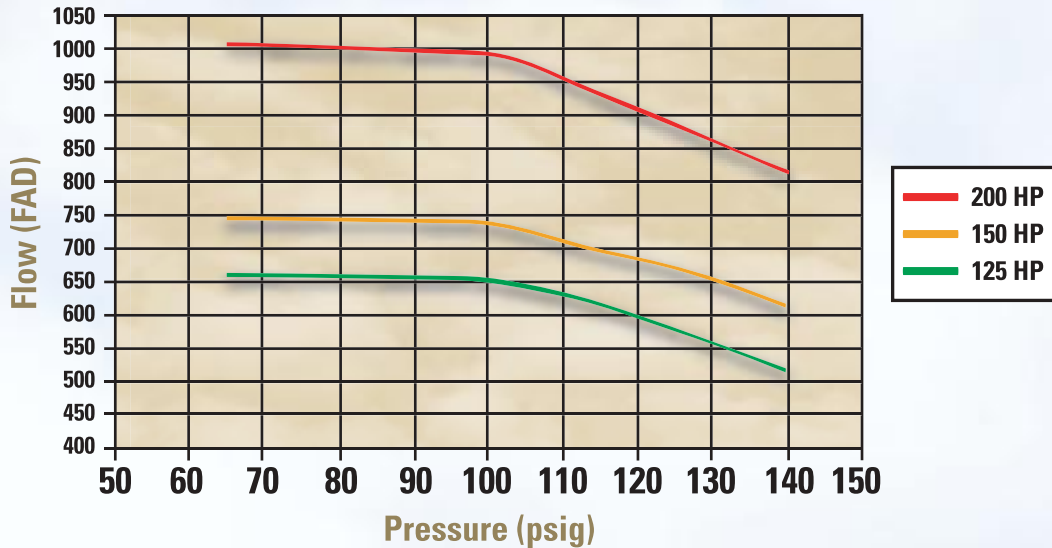


Nirvana™

Technical Information

Nirvana Full Load Performance



Full Load Performance

Full Load Selector

The chart to the left represents the full load flow for a Nirvana compressor across the full pressure spectrum available.

Selection Example

In this example, the peak demand side usage is 930 cfm at 115 psig. Reading 115 psig line up the chart until it crosses 930 cfm shows that a 200 HP Nirvana is needed to achieve peak demand requirements.

Part Load Turndown Data

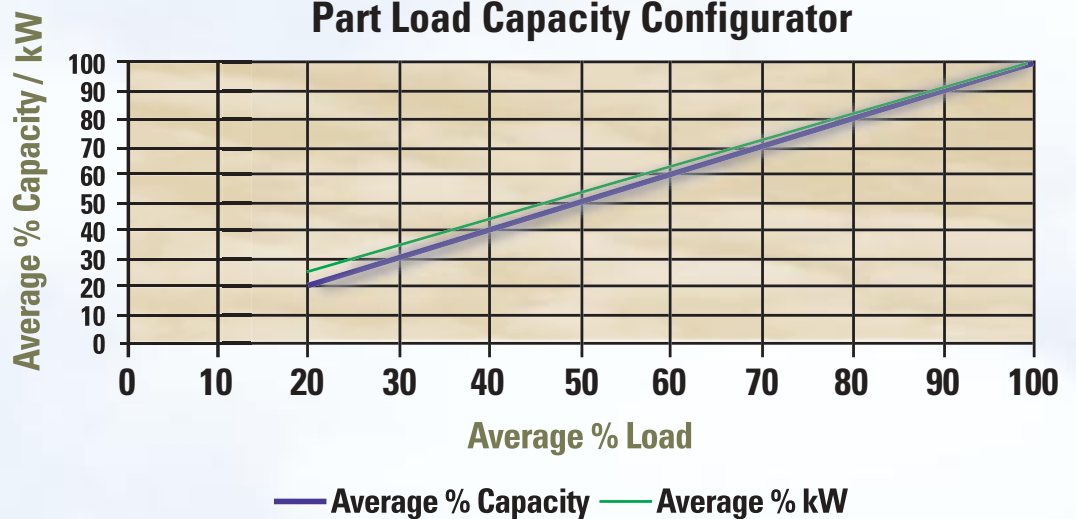
Part Load Scenario

The chart to the right represents an estimated percent of capacity at partial loads for any of the Nirvana compressors selected above.

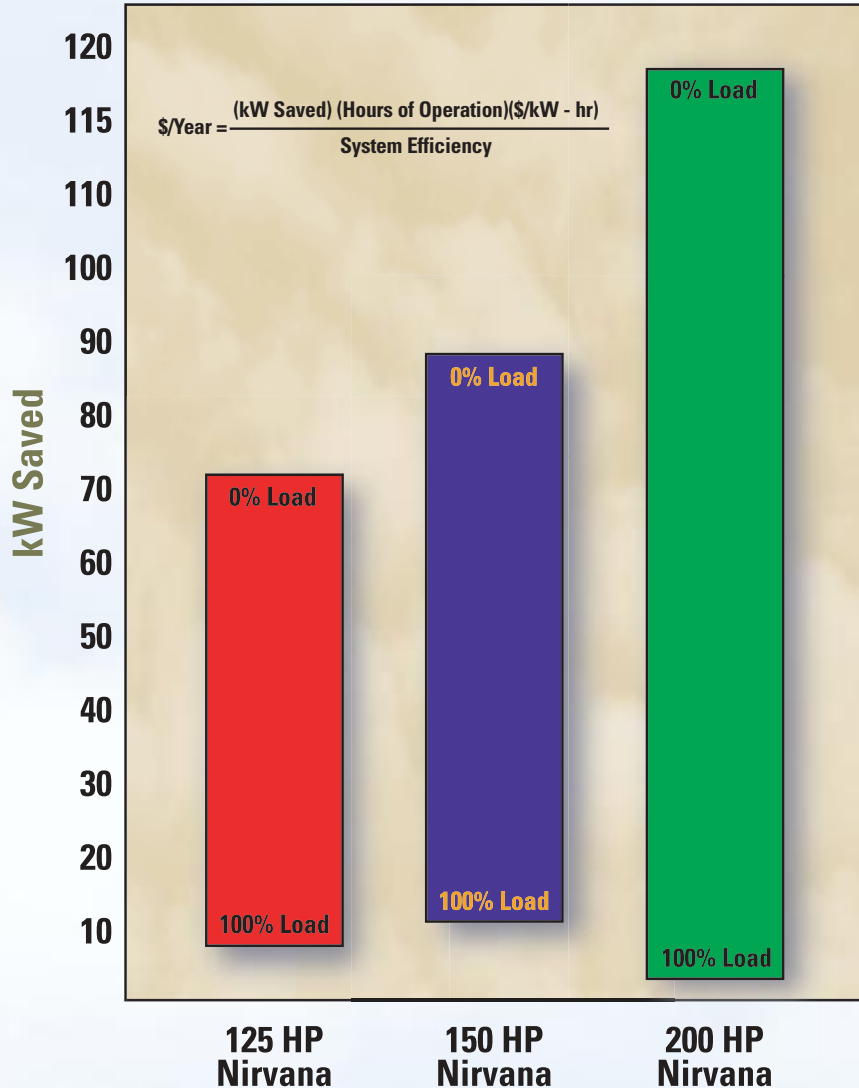
To continue the example above:

The average demand side load is only 70% for a 200 HP Nirvana. Reading 70% load up to the intersection shows that Nirvana would be at 70% capacity and 71% of its available kW vs. 80% for a standard rotary screw.

Part Load Capacity Configurator



Performance Efficiency



Energy Savings Estimator

The bar graph to the left represents the kilowatts saved across the full operational range of a Nirvana compressor when compared to a rotary screw air compressor operating in modulation.

To finish the example:

The green bar illustrates a 200 HP Nirvana. At 70% load, the Nirvana will save 40 kW per year. Use the formula at the top of the graph to calculate the yearly energy savings.

Weights and Dimensions

Model	Nominal HP/kW	L (in/cm)	H (in/cm)	W (in/cm)	Weight (lbs/kg)	Cooling Air Flow @ 1/2" of Water Column
IRN125H-CC	125/90	101/256.5	96/243.8	72/183.1	6810/3089	13500
IRN150H-CC	150/110	101/256.5	96/243.8	72/183.1	6810/3089	13500
IRN200H-CC	200/160	101/256.5	96/243.8	72/183.1	6810/3089	13500



More than air. Solutions.

ONLINE SOLUTIONS: WWW.AIR.IRGO.COM/NIRVANA