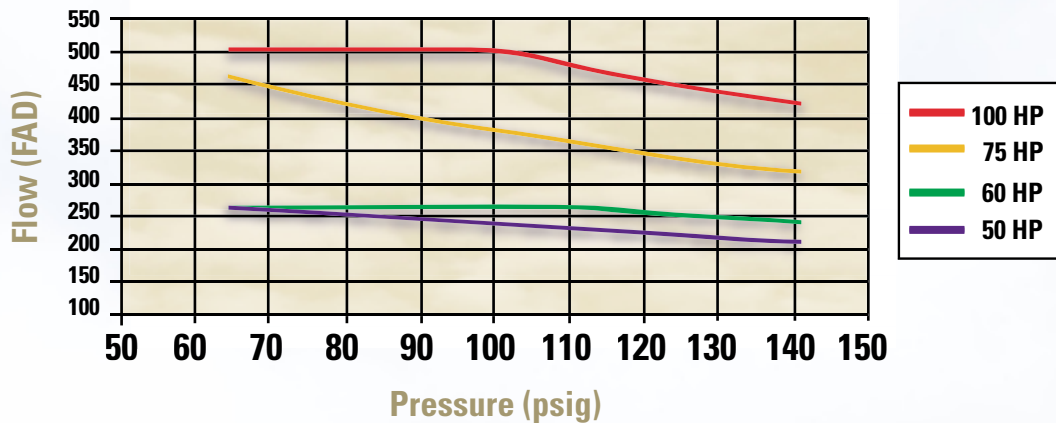


Technical Information

Full Load Performance

Nirvana 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 470 cfm at 100 psig. Reading 100 psig line up the chart until it crosses 470 cfm shows that a 100 HP Nirvana is needed to achieve peak demand requirements.

Part Load Turndown Data

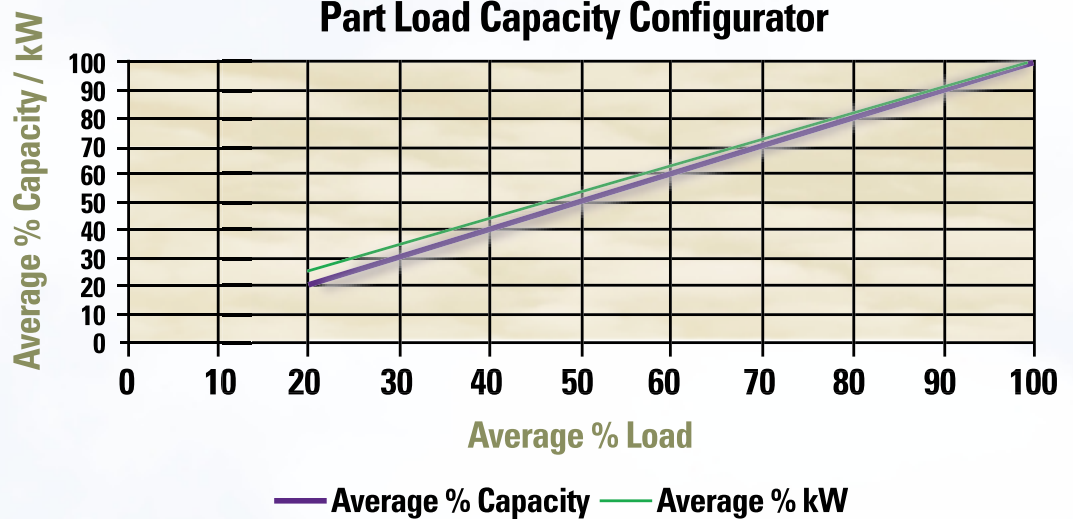
Part Load Scenario

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

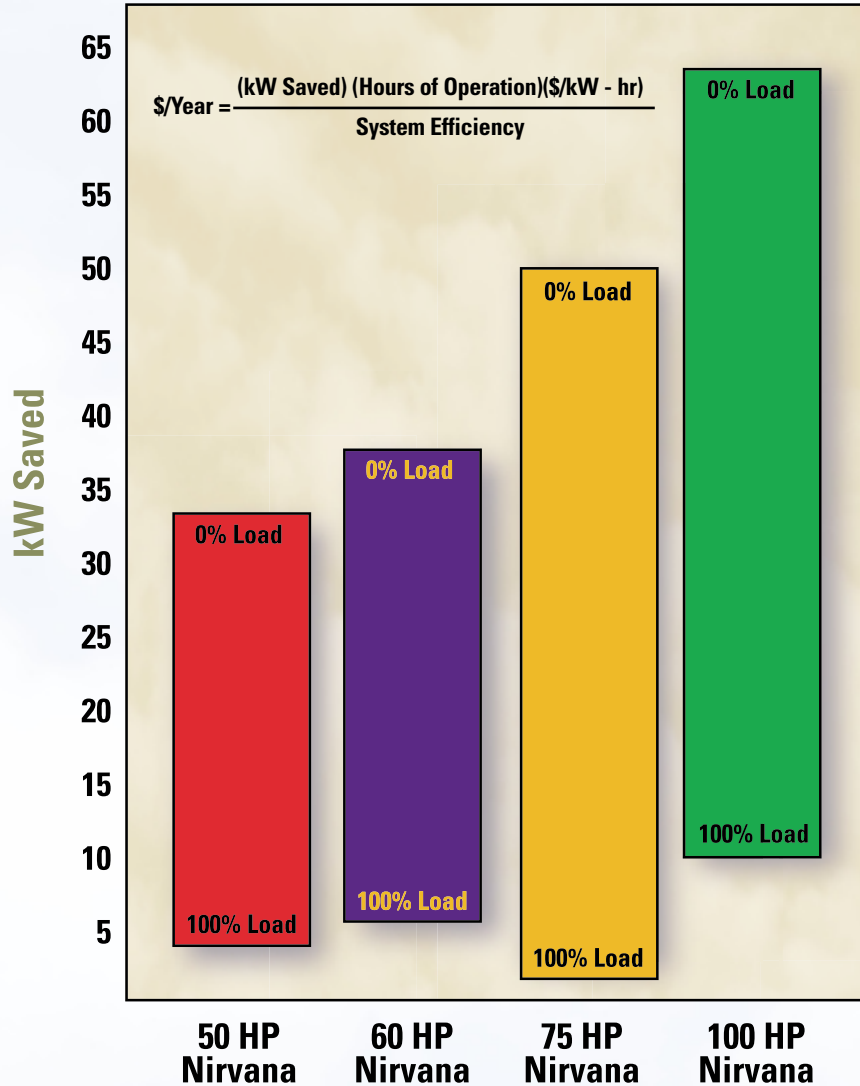
To continue the example above:

The average demand side load is only 70% for a 100 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 100 HP Nirvana. At 70% load, the Nirvana will save 30 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
IRN50H-CC	50/37	62/157.5	70/177.8	53/134.6	2400/1089	6500
IRN60H-CC	60/45	62/157.5	70/177.8	53/134.6	2400/1089	6500
IRN75H-CC	75/55	71/180.3	77/195.6	53/134.6	3400/1542	8500
IRN100H-CC	100/75	71/180.3	77/195.6	53/134.6	3400/1542	8500



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