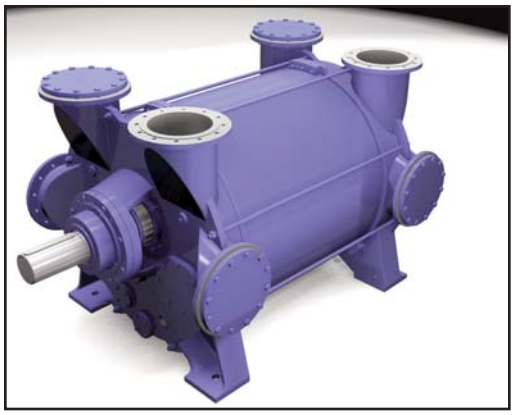
NASH 2BE4 Liquid Ring Pumps and Compressors

NASH
A Gardner Denver Product

The 2BE4 offers pump improvements and a performance gain of up to 8% over the 2BE3 series.

With the 2010 launch of the NASH 2BE4 series, Gardner Denver Nash has made significant strides toward saving energy and reducing CO2 emissions. This new liquid ring vacuum pump is the culmination of marked improvements to the proven NASH 2BE3 series, and provides a performance gain of up to 8%.



Compared to the predecessor model, the NASH 2BE4 achieves higher suction capacity while using less energy. This naturally means a corresponding drop in the energy input required to achieve the same result – a defined suction volume at a certain vacuum level.

But how do claims such as these actually translate into figures? Here is a concrete example, based on the NASH 2BE4670 model:

Pump	Speed	CFM/ BHP	NOM. BHP	2BE4 % of 2BE3 BHP	Vacuum Level "HgA	Electric Costs*	Annual Savings, 2BE4
2BE3 67	328	18.09	723		10	$862,640	
2BE3 67	328	20.42	673		15	$802,983	
2BE4 67	315	19.11	681	94%	10	$812,528	$50,112
2BE4 67	315	21.27	647	96%	15	$771,961	$31,022

*Electric costs calculated at $0.2 per KWhr with 8,000 annual operating hours

This saving also translates into significantly reduced carbon emissions, depending on the method of power generation.

NASH
Div. of Gardner Denver
9 Trefoil Drive
Trumbull, CT 06611 U.S.A.
tel: 800 553 NASH
+ 203 459 3900
fax: + 203 459 3988
nash@gardnerdenver.com
www.GDNash.com

APP-1103A-0511

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