



NHF Series Liquid Ring Vacuum Pumps

Description: Single-Stage Liquid Ring Vacuum Pump

Type: Close Coupled, Pedestal Mount, High Efficiency

Models: 50, 75, 80 & 120

Power Range: 3-7.5 HP

Capacity Range: 30-110 CFM

Max Vacuum: 27.5" Hg

Overview:

Our close-coupled high efficiency NHF Series liquid ring pumps are an excellent choice, producing up to 40% more capacity per horsepower. These new premium efficiency pumps are coupled to high efficiency IEC frame motors and have been designed from the ground-up to be interchangeable with classic Nash* AHF & MHF series pumps. NES pumps are factory tested and include a 1 year warranty



Features:

- Drop-in replacement for classic Nash* AHF & MHF series.
- Produces up to 40% more capacity per horsepower.
- Compact design reduces size & costs.
- Standard construction is Cast Iron with Stainless Steel impeller
- Optional 304 or 316 all Stainless Steel construction.
- Standard Viton mechanical seal.
- Parts and repair kits readily available.
- Available as bare pump or as a part of engineered systems.
- Standard models typically ship from stock.
- 1-year factory warranty.



Materials of Construction:

Part	Standard Material of Construction	Optional Material of Construction
Housing & Head	Cast Iron	304/316 Stainless Steel
Rotor	304 Stainless Steel	316 Stainless Steel
Port Plate	Cast Iron	304/316 Stainless Steel
Shaft	Cast Steel	
Motor	TEFC metric frame/explosion proof	230/460 Volt-3 Phase 60 Hz.

Applications:

- | | | |
|--------------|--------------------|---------------------|
| • Autoclaves | • Chucking | • Container Filling |
| • Forming | • Cooking | • Deaerating |
| • Drying | • Evaporating | • Eviscerating |
| • Exhausting | • Extruder Venting | • Fiber Setting |

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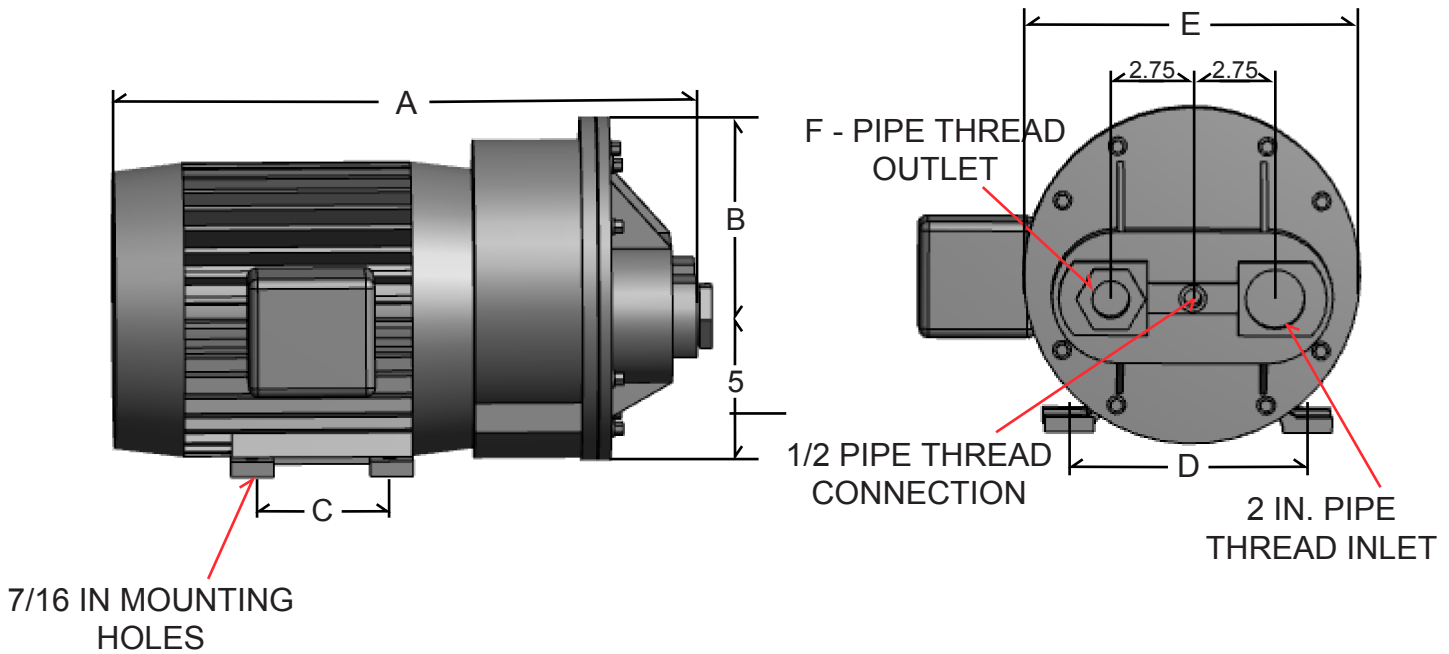
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Model	Max Vacuum [“Hg]	Speed [RPM]	Capacity [CFM] @ 22” Hg	Motor Power [HP]	Inlet [in]	Discharge [in]	Seal Water Usage [GPM]	Seal Water Size [in]	Pump Weight Dry [lbs.]
NHF-50	27.5	1450	28	3	2 NPT	2 NPT	1.5	1/2 NPT	80
		1750	47	3					
NHF-75	27.5	1430	55	5	2 NPT	2 NPT	3.0	1/2 NPT	90 PEDESTAL
		1750	76	5					
NHF-80	27.5	1450	58	5	2 NPT	1-1/2 FL	2.0	1/2 NPT	165
		1750	67	5					
NHF-120	27.5	1450	86	7.5	2 NPT	2 NPT	3.0	1/2 NPT	170
		1750	111	7.5					



Model	A	B	C	D	E	F
NHF-50	18"	6.25"	4.5"	7.5"	11.25"	1.25"
NHF-80	20"	6.25"	5.5"	7.5"	11.25"	1.5"
NHF-120	25"	6.5"	8.5"	8.5"	11.25"	2"

TYPICAL NHF-50, 80 & 120 LAYOUTS
See pump drawing for more details & dimensions

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