Close-Coupled End-Suction Pump

Grundfos NB

The N-series offers three different end-suction models: the frame-mounted NK, close-coupled NB and split-coupled NBS. The N-series delivers industry-leading efficiencies that future-proof them against government efficiency regulations. The NB is designed to bring faster installation, greater efficiency and reliability throughout the pump's life. With up to a compact footprint, back-pull out design and a new and hard-faced seals designed to improve reliability and reduce service costs, the NB is a smart solution for your HVAC application needs.

Key Features and Benefits

Installation

- No baseplate or grouting required reducing installation costs
- No alignment required between the pump and motor
- Optimized, space-saving compact design
- Top centerline discharge design allows for self-venting and more compact piping designs

Efficiency and Reliability

- Industry leading efficiencies you can count on, because of advanced Computational Fluid Dynamics (CFD)
- New Silicon Carbide (SiC) / Silicon Carbide (SiC) hard faced seal's robust design offers increased temperature range, better abrasives handling and longer life versus standard designs (standard on all N-Series pumps)
- Optimized, stainless-steel impeller design increases efficiency and reduces NPSH required
- Balanced impellers reduce noise and vibration for quiet operation and prolong seal and bearing life
- Integrally cast diffuser vane reduces turbulence

Serviceability

- Foot-mounted volute for increased pump stability
- Footed volute and back pull-out enables removal of the motor, motor stool and impeller without disturbing the pump housing or pipes

Applications

- HVAC (Cooling/Heating)
- District Energy
- Industrial
- Water Utility

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Possibility in every drop

Technical Data

NB	
Flow, Q :	max. 2600 gpm
Head, H:	max. 444 ft
Liquid Temperature:	-13°F to +248°F (Optional 284°F)
Working Pressure:	max. 232 PSI (Optional 362 psi)
HP Range / Speed:	max. 75 hp
	3600, 1800 and 1200 rpm
Discharge Sizes:	1.25 to 6 in Centerline: 1.25-6 in

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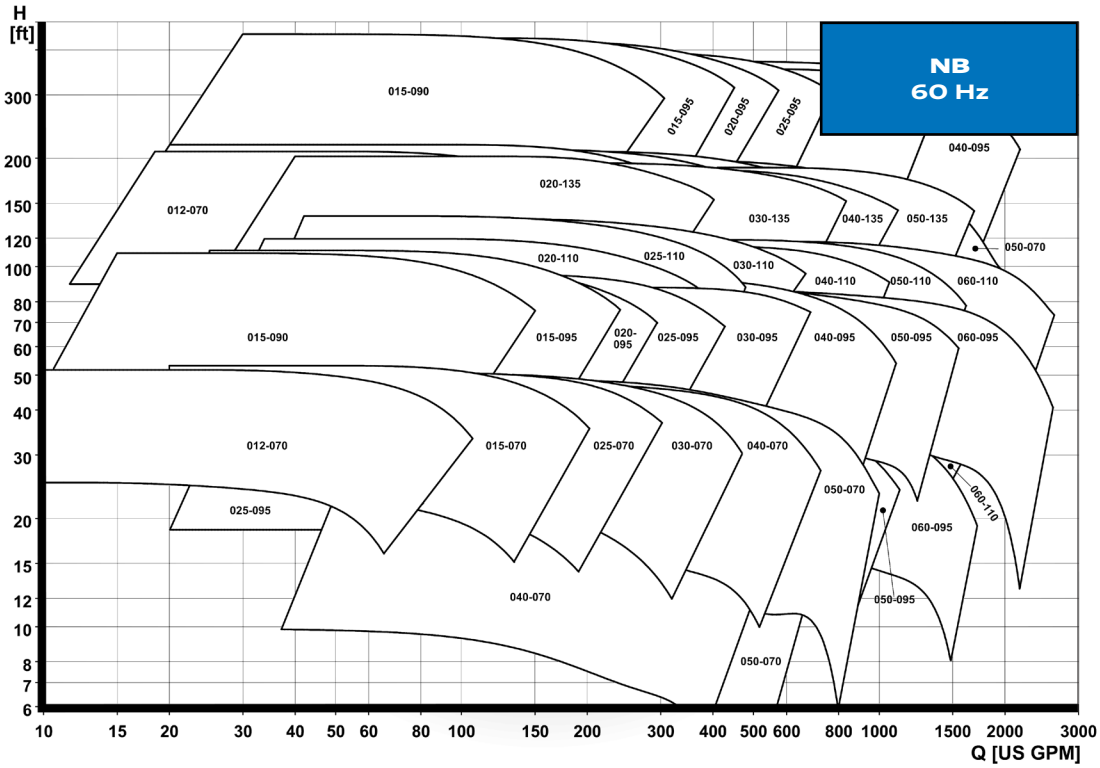
Performance Data NB 60Hz



Visit grundfos.us/pei to learn more about Department of Energy (DOE) pump energy index (PEI) requirements and PEI ratings on specific Grundfos models.

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