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# NH

## STAINLESS STEEL CENTRIFUGAL PUMP

- **Working Conditions**

Pump Diameter:25-200mm

Working Temperature:-20-165℃

Flow Capacity Range:0.8m3/h-400m3/h

Pump Head Range:12.5m-130m

Materials Range:304/316/316L/904L/TA2/HC276

Designed Standard:GB/T56662,ISO2858 EN733/DIN24255

- **Application Fields**

Biological medicine,petrochemical, minng,metallurgy,textile printing and dyeing,electricity,food,papermaking, electroplating,sewage treatment,flue gas treatment,new energy,new materials and other industries.

- **Pump Usage**

Suitable for conveying clean or containing solid particles and fiber content,low temperature or high temperature,neutral or corrosive liquid.Various temperature and concentration of alkaline solution,various salt solution,all kinds of liquid petroleum and chemical products,organic compounds,and other corrosive materials and products,.

- **Designed Instruction**

NH Series chemical chemical process pump is latest pump products replace by IH Series.The performance parameter and installment drawing as same as IH Series .This pump executed Standard GB/T5662<The Marks.Performance,Specification of AxialDirection End -Suction centrifugal pump(16 bar)>.with highly interchangeable for the general spare parts pump.Five Specifications bracket of pump can cover of full series specification pumps. It can be choose gland packing or mechanical seal according client's request.Mechanical seal can be choose single(end)face,double(end)face ,balanced face or imbalance face .Impeller can be designed with open -type or semi-open type.It can transfer certain fiber or particle liquids .It is generally standard chemical centrifugal pump in fine chemical fields.

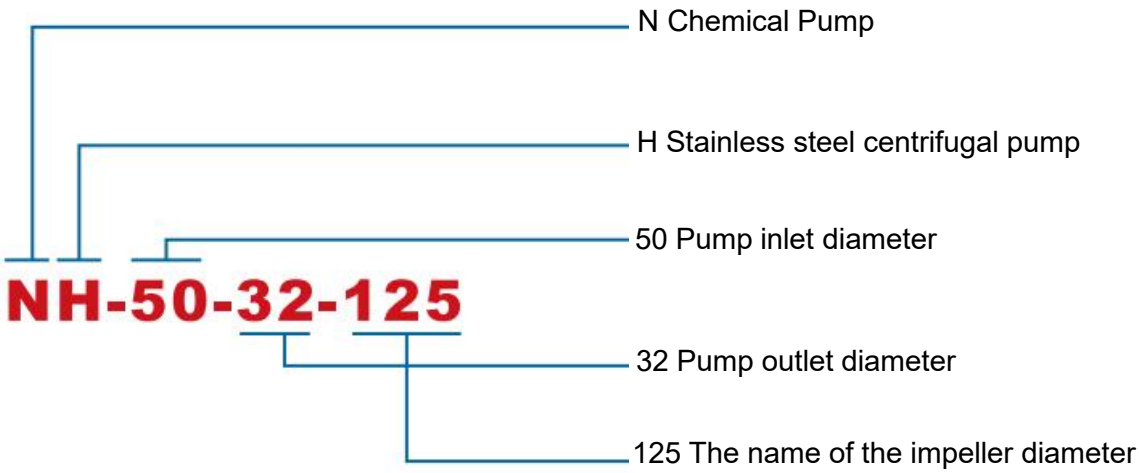
## Performance Parameter Table

| Model No | Fow Capacity ($m^3/h$) | Pump Head (m) | NPSHr (m) | Efficiency (%) | Motor（KW） | Roang Seed (r/min) | Diameter (mm) | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | Inlet | Outlet |
| NH40-25-125 | 4 | 22 | 2 | 40 | 1.5 | 2900 | 40 | 25 |
| | 6 | 20 | | | | | | |
| | 8 | 18.5 | | | | | | |
| | 2 | 5.5 | 2 | 34 | 0.55 | 1450 | | |
| | 3 | 5 | | | | | | |
| | 4 | 4.5 | | | | | | |
| NH40-25-160 | 4 | 34 | 2 | 30 | 2.2 | 2900 | 40 | 25 |
| | 6 | 32 | | | | | | |
| | 8 | 28 | | | | | | |
| | 2 | 9 | 2 | 27 | 0.55 | 1450 | | |
| | 3 | 8 | | | | | | |
| | 4 | 7 | | | | | | |
| NH40-25-200 | 4 | 52 | 2 | 26 | 4 | 2900 | 40 | 25 |
| | 6 | 50 | | | | | | |
| | 8 | 48 | | | | | | |
| | 2 | 13.5 | 2 | 20 | 0.75 | 1450 | | |
| | 3 | 12.5 | | | | | | |
| | 4 | 12 | | | | | | |
| NH50-32-125 | 10 | 22 | 3 | 52 | 2.2 | 2900 | 50 | 32 |
| | 12.5 | 20 | | | | | | |
| | 15 | 18.5 | | | | | | |
| | 5 | 5.5 | 3 | 45 | 0.55 | 1450 | | |
| | 6.3 | 5 | | | | | | |
| | 8 | 4.6 | | | | | | |
| NH50-32-160 | 10 | 33 | 3.5 | 38 | 4 | 2900 | 50 | 32 |
| | 12.5 | 32 | | | | | | |
| | 15 | 28 | | | | | | |
| | 5 | 8.6 | 3.5 | 35 | 0.55 | 1450 | | |
| | 6.3 | 8 | | | | | | |
| | 8 | 7 | | | | | | |
| NH50-32-200 | 10 | 52 | 3.5 | 38 | 7.5 | 2900 | 50 | 32 |
| | 12.5 | 50 | | | | | | |
| | 15 | 48 | | | | | | |
| | 5 | 13 | 3.5 | 33 | 1.1 | 1450 | | |
| | 6.3 | 12.5 | | | | | | |
| | 8 | 12 | | | | | | |
| NH50-32-250 | 10 | 82 | 3.5 | 38 | 11 | 2900 | 50 | 32 |
| | 12.5 | 80 | | | | | | |
| | 15 | 75 | | | | | | |
| | 5 | 20.5 | 3.5 | 33 | 1.5 | 1450 | | |
| | 6.3 | 20 | | | | | | |
| | 8 | 19.5 | | | | | | |
| NH65-50-125 | 15 | 22 | 3.5 | 51 | 3 | 2900 | 65 | 50 |
| | 25 | 20 | | | | | | |
| | 30 | 18.5 | | | | | | |
| | 7.5 | 5.5 | 3.5 | 48 | 0.55 | 1450 | | |
| | 12.5 | 5 | | | | | | |
| | 15 | 4.5 | | | | | | |
| NH65-50-160 | 15 | 33 | 3.5 | 56 | 5.5 | 2900 | 65 | 50 |
| | 25 | 32 | | | | | | |
| | 30 | 28 | | | | | | |
| | 7.5 | 8.6 | 3.5 | 50 | 1.1 | 1450 | | |
| | 12.5 | 8 | | | | | | |
| | 15 | 7 | | | | | | |
| NH65-40-200 | 15 | 52 | 3.5 | 52 | 11 | 2900 | 65 | 40 |
| | 25 | 50 | | | | | | |
| | 30 | 48 | | | | | | |
| | 7.5 | 13 | 3.5 | 46 | 1.5 | 1450 | | |

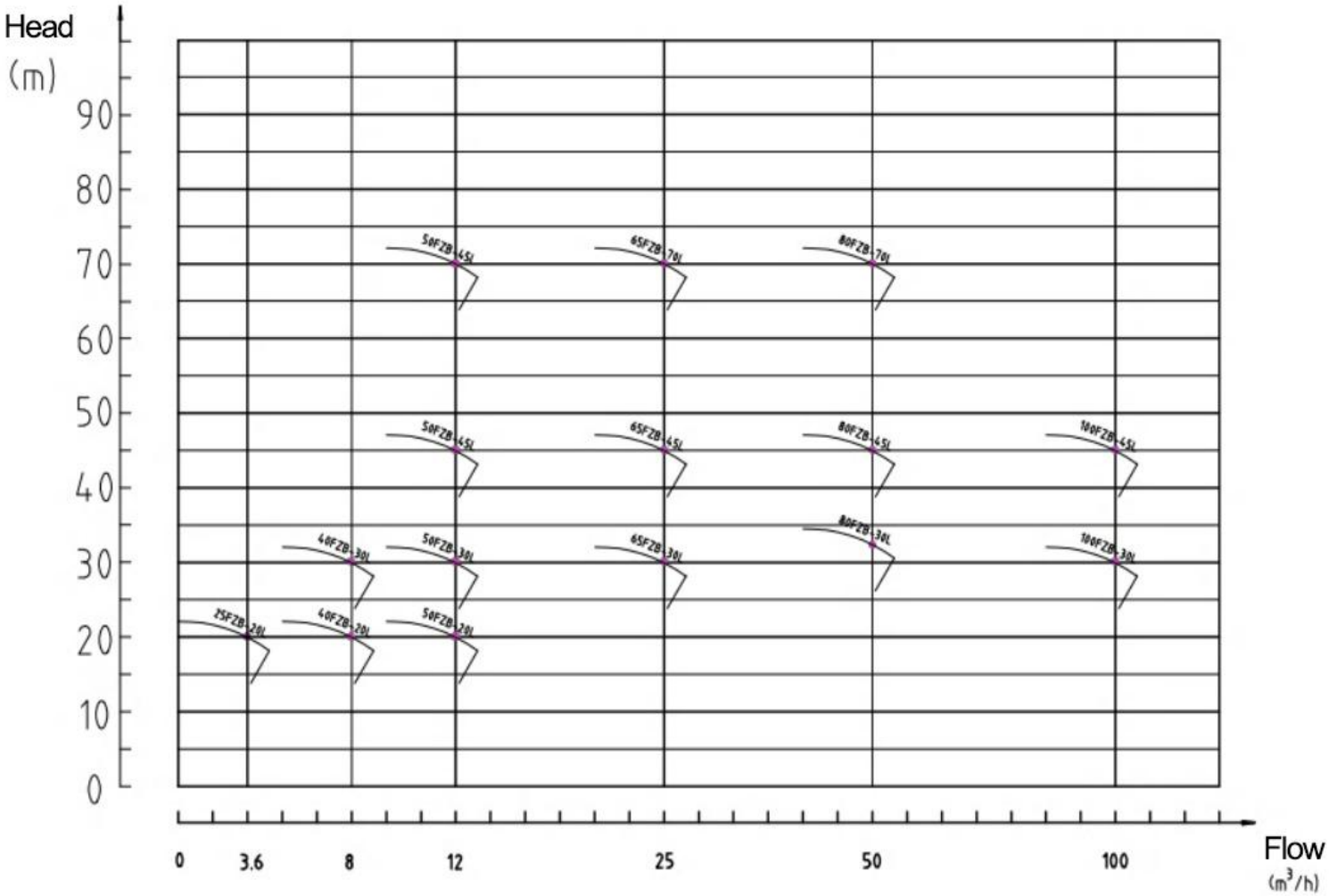
| Model No | Fow Capacity ($m^3/h$) | Pump Head (m) | NPSHr (m) | Efficiency (%) | Motor（KW） | Roang Seed (r/min) | Diameter (mm) | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | Inlet | Outlet |
| | 12.5 | 12.5 | | | | | | |
| | 15 | 12 | | | | | | |
| NH65-40-250 | 15 | 82 | 3.5 | 36 | 18.5 | 2900 | 65 | 40 |
| | 25 | 80 | | | | | | |
| | 30 | 78 | | | | | | |
| | 7.5 | 20.5 | 3.5 | 32 | 3 | 1450 | | |
| | 12.5 | 20 | | | | | | |
| | 15 | 19.5 | | | | | | |
| NH65-40-315 | 15 | 127 | 3.5 | 38 | 30 | 2900 | 65 | 40 |
| | 25 | 125 | | | | | | |
| | 30 | 123 | | | | | | |
| | 7.5 | 33 | 3.5 | 35 | 5.5 | 1450 | | |
| | 12.5 | 32 | | | | | | |
| | 15 | 30 | | | | | | |
| NH80-65-125 | 40 | 22 | 4 | 60 | 5.5 | 2900 | 80 | 65 |
| | 50 | 20 | | | | | | |
| | 60 | 18.5 | | | | | | |
| | 20 | 5.5 | 4 | 55 | 1.1 | 1450 | | |
| | 25 | 5 | | | | | | |
| | 30 | 4.6 | | | | | | |
| NH80-65-160 | 40 | 33 | 4 | 62 | 11 | 2900 | 80 | 65 |
| | 50 | 32 | | | | | | |
| | 60 | 28 | | | | | | |
| | 20 | 8.6 | 4 | 60 | 1.5 | 1450 | | |
| | 25 | 8 | | | | | | |
| | 30 | 7 | | | | | | |
| NH80-50-200 | 40 | 52 | 4 | 63 | 15 | 2900 | 80 | 50 |
| | 50 | 50 | | | | | | |
| | 60 | 48 | | | | | | |
| | 20 | 13 | 4 | 57 | 2.2 | 1450 | | |
| | 25 | 12.5 | | | | | | |
| | 30 | 12 | | | | | | |
| NH80-50-250 | 40 | 82 | 4 | 60 | 22 | 2900 | 80 | 50 |
| | 50 | 80 | | | | | | |
| | 60 | 78 | | | | | | |
| | 20 | 20.5 | 4 | 53 | 4 | 1450 | | |
| | 25 | 20 | | | | | | |
| | 30 | 19.5 | | | | | | |
| NH80-50-315 | 40 | 127 | 4 | 50 | 45 | 2900 | 80 | 50 |
| | 50 | 125 | | | | | | |
| | 60 | 123 | | | | | | |
| | 20 | 33 | 4 | 45 | 7.5 | 1450 | | |
| | 25 | 32 | | | | | | |
| | 30 | 30 | | | | | | |
| NH100-80-125 | 80 | 22 | 4.5 | 70 | 11 | 2900 | 100 | 80 |
| | 100 | 20 | | | | | | |
| | 120 | 18.5 | | | | | | |
| | 30 | 5.5 | 4.5 | 67 | 1.5 | 1450 | | |
| | 50 | 5 | | | | | | |
| | 60 | 4.6 | | | | | | |
| NH100-80-160 | 80 | 33 | 4.5 | 70 | 15 | 2900 | 100 | 80 |
| | 100 | 32 | | | | | | |
| | 120 | 28 | | | | | | |
| | 30 | 8.6 | 4.5 | 65 | 3 | 1450 | | |
| | 50 | 8 | | | | | | |
| | 60 | 7 | | | | | | |
| NH100-65-200 | 80 | 52 | 4.5 | 71 | 30 | 2900 | 100 | 65 |
| | 100 | 50 | | | | | | |
| | 120 | 48 | | | | | | |

| Model No | Fow Capacity ($m^3/h$) | Pump Head (m) | NPSHr (m) | Efficiency (%) | Motor（KW） | Roang Seed (r/min) | Diameter (mm) | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | Inlet | Outlet |
| | 30 | 13 | 4.5 | 60 | 4 | 1450 | | |
| | 50 | 12.5 | | | | | | |
| | 60 | 12 | | | | | | |
| NH100-65-250 | 80 | 82 | 4.5 | 70 | 45 | 2900 | 100 | 65 |
| | 100 | 80 | | | | | | |
| | 120 | 78 | | | | | | |
| | 30 | 20.5 | 4.5 | 64 | 7.5 | 1450 | | |
| | 50 | 20 | | | | | | |
| | 60 | 19.5 | | | | | | |
| NH100-65-315 | 80 | 127 | 4.5 | 60 | 75 | 2900 | 100 | 65 |
| | 100 | 125 | | | | | | |
| | 120 | 123 | | | | | | |
| | 30 | 33 | 4.5 | 56 | 11 | 1450 | | |
| | 50 | 32 | | | | | | |
| | 60 | 30 | | | | | | |
| NH125-100-200 | 150 | 52 | 5 | 65 | 55 | 2900 | 125 | 100 |
| | 200 | 50 | | | | | | |
| | 240 | 48 | | | | | | |
| | 75 | 13 | 5 | 60 | 11 | 1450 | | |
| | 100 | 12.5 | | | | | | |
| | 120 | 12 | | | | | | |
| NH125-100-160 | 150 | 32 | 5 | 61 | 30 | 1450 | | |
| NH125-100-250 | 150 | 82 | 5 | 68 | 75 | 2900 | 125 | 100 |
| | 200 | 80 | | | | | | |
| | 240 | 73 | | | | | | |
| | 75 | 20.5 | 5 | 62 | 15 | 1450 | | |
| | 100 | 20 | | | | | | |
| | 120 | 19.5 | | | | | | |
| NH125-100-315 | 75 | 33 | 5 | 58 | 22 | 1450 | 125 | 100 |
| | 100 | 32 | | | | | | |
| | 120 | 30 | | | | | | |
| NH125-100-400 | 75 | 52 | 5 | 55 | 37 | 1450 | 125 | 100 |
| | 100 | 50 | | | | | | |
| | 120 | 48 | | | | | | |
| NH150-125-250 | 150 | 20.5 | 6 | 63 | 22 | 1450 | 150 | 125 |
| | 200 | 20 | | | | | | |
| | 240 | 19.5 | | | | | | |
| NH150-125-315 | 150 | 33 | 6 | 75 | 30 | 1450 | 150 | 125 |
| | 200 | 32 | | | | | | |
| | 240 | 30 | | | | | | |
| NH150-125-400 | 150 | 52 | 6 | 64 | 55 | 1450 | 150 | 125 |
| | 200 | 50 | | | | | | |
| | 240 | 48 | | | | | | |
| NH200-150-250 | 250 | 20.5 | 7 | 68 | 37 | 1450 | 200 | 150 |
| | 400 | 20 | | | | | | |
| | 460 | 19.5 | | | | | | |
| NH200-150-315 | 250 | 33 | 7 | 73 | 55 | 1450 | 200 | 150 |
| | 400 | 32 | | | | | | |
| | 460 | 30 | | | | | | |
| NH200-150-400 | 250 | 52 | 7 | 73 | 90 | 1450 | 200 | 150 |
| | 400 | 50 | | | | | | |
| | 460 | 48 | | | | | | |
| NH250-200-315 | 300 | 34 | 7 | 76 | 75 | 1450 | 250 | 200 |
| | 600 | 32 | | | | | | |
| | 750 | 28 | | | | | | |

## Model significance




## Performance Curve



## Three dimensional figure and material structure