

WNB 製程泵

Process Pumps



- 單級端吸離心式泵浦 設計依ISO2858規範
- 口徑: $\varnothing 25 \sim \varnothing 200\text{mm}$ (1"~8")
- 流量範圍 $0.05\text{m}^3/\text{min} \sim 14\text{m}^3/\text{min}$
- 揚程範圍 4m~150m
- 壓力範圍 $20\text{kg}/\text{cm}^2$
- 溫度範圍 150°C
- Single stage end suction centrifugal pump Dimension:ISO2858
- Pump port size range $\varnothing 25 \sim \varnothing 200\text{mm}$ (1"~8")
- Capacity range $0.05\text{m}^3/\text{min} \sim 14\text{m}^3/\text{min}$
- Heads range 4m~150m
- Pressures up to $20\text{kg}/\text{cm}^2$
- Temperatures up to 150°C



專營：離心泵、多段高壓泵、紙漿泵、
雷射對心墊片、自動加油杯。



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》用途

- 紙漿用：
溶解液，化學藥劑。
- 造紙用：
較薄的紙漿，回收水，水，化學液體。
- 化學工業用：
腐蝕化學液體，較淡漿料。
- 一般用：高壓清水。

》技術特徵

- 符合ISO2858規格與熟練準確的設計，使WNB帶來良好的效率。
- 背向拉出設計，利於拆卸及組裝，不必移動管路維修較容易。
- 軸承以牛油式潤滑，補充方便，亦可選擇機油潤滑。
- 獨特的軸承箱設計，可以確保軸承運轉有長的使用壽命。
- 泵殼上的軸封座內置有可分離的小填料函，其內的填料或機械軸封容易保養維修並節省更換時間。

》配件

- 相對法蘭。
- 聯軸器。
- 密閉式安全護罩1件。
- 底座。
- 三相馬達，電壓：208~480V，頻率60/50Hz過載保護器由使用者自行安裝在電控箱。

》Application

- Pulp Mills:
Liquors, chemicals.
- Paper Mills:
Thin stock, backwater, water, chemicals.
- Chemical process industries :
Corrosive chemicals, light slurries
- General Industries:
High pressure process

》Features

- ISO2858 compliance specifications and design with proficiency and accuracy, make WNB type to keep running good efficiency.
- Back pull-out design with capability to remove rotor assembly without to dismantle the pipe lines at the suction and discharge of pump casing.
- The bearing lubricated by grease, supply easily, also can choose oil of the option.
- Bearing bracket with cooling fin, to keep the bearing operating under low temperature, and promotes longer life cycle.
- Separable seal house of the casing cover, ease to maintenance or replace the stuff or machine seal, also save time.

》Accessories

- Butt joint flange 1 Set.
- Coupling 1 Set
- Coupling guard
- Base plate
- Three-phase motor:208~480V 60/50Hz ; overload protection to be provided by user and installed in the control panel.



》構造說明

● 泵殼：

中心出口，使配管時不易扭曲泵殼，管路可獲得完整的支撐，出口在泵殼之最頂端可使氣體與液體隨同排出，具背向拉出設計。

● 葉輪：

密閉式葉輪，適用於乾淨的水與小顆粒液體，具有高效率設計，配合磨損環，可減少修成本。

亦可製作半開放式葉輪。

● 磨損環：

分離式設計的磨損環能配合葉輪用來保護泵殼，並容易更換。

● 軸與軸套：

最完善之設計以獲最大負荷量與最小之扭曲，在軸端的軸心擺幅不大於0.05mm，在葉輪與葉輪墊塊（葉輪螺栓）間及葉輪處與軸套間各裝入O型環，使軸心免於輸送液體腐蝕，也可以選用耐酸鹼液體之材質則無須考慮對軸心之侵蝕傷害。

● 軸承箱：

牛油式潤滑、補充方便，較大軸承箱組增加散熱片設計，可降低軸承運轉溫度，延長軸承使用壽命。亦可選擇機油潤滑。

》Construction

● CASING:

High stiffness structure with central discharge design, get less distortion under the pipe loading, also ease to discharge the trapped gas, and back pull-out design ease to maintain rotor.

● IMPELLER:

High efficiency closed type impeller design with wear ring, for clean water and liquid contain small particles, can reduce the running and maintain costs, semi-open impeller optional.

● WEARING RING:

Separable wear ring can coordinate with impeller to protect casing, and replace easily.

● SHAFT AND SHAFT SLEEVE:

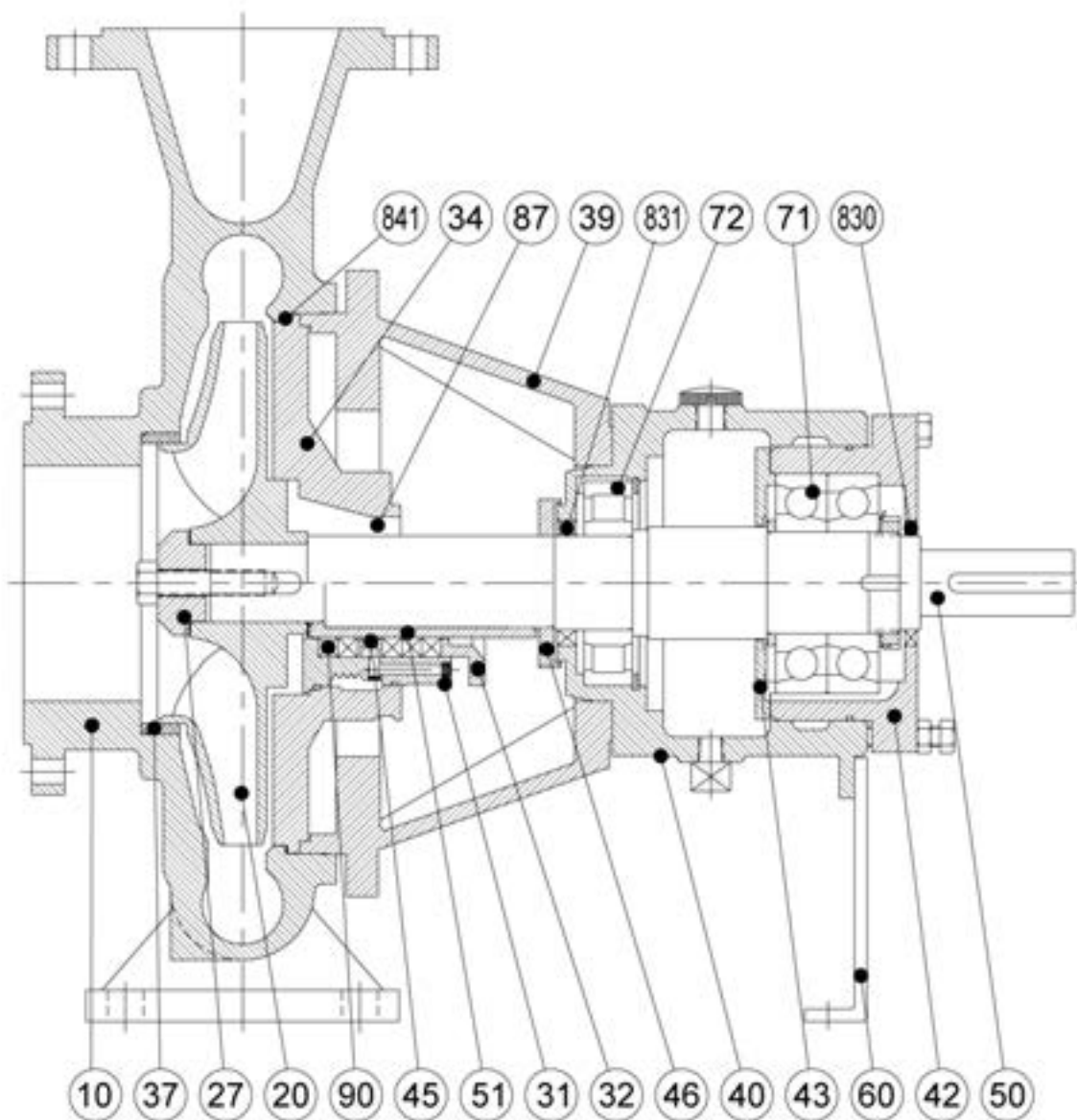
High stiffness design to withstand the maximum load and keep minimum deflection, less than 0.05 mm at shaft end. O-rings installed at impeller bolt or impeller washer, and between the impeller and sleeve to seal the shaft to avoid pumping liquid corrosion. Corrosion resistance material are optional to avoid shaft corrosion.

● BEARING BRACKET:

Bearing lubricated by grease added easily. Bigger size with cooling fin design to keep the bearing operated under low temperature, and get longer life cycle, also oil lubricant is optional.



》產品構造(Construction)



PART NO	零件名稱	PART NAME	PART NO	零件名稱	PART NAME	PART NO	零件名稱	PART NAME
10	泵殼	Casing	40	軸承箱	Bearing bracket	71	軸承	Radial bearing
20	葉輪	Impeller	42	小軸承箱	Bearing housing	72	軸承	Radial bearing
27	葉輪墊塊	Imp washer	43	M側軸承蓋	Bearing cover	830	油封	Oil seal
31	小填料函	Seal housing	45	水封環	Lantern ring	831	油封	Oil seal
32	填料蓋	Gland	46	擋水環	Water slinger	841	墊片	Gasket
34	側蓋(填料蓋)	Casing cover	50	軸心	Pump shaft	87	機械軸封	Mechanical seal
37	磨損環	Wear ring	51	軸套	Shaft sleeve	90	填料	Gland packing
39	中間托架	Lantern	60	支腳	Foot			



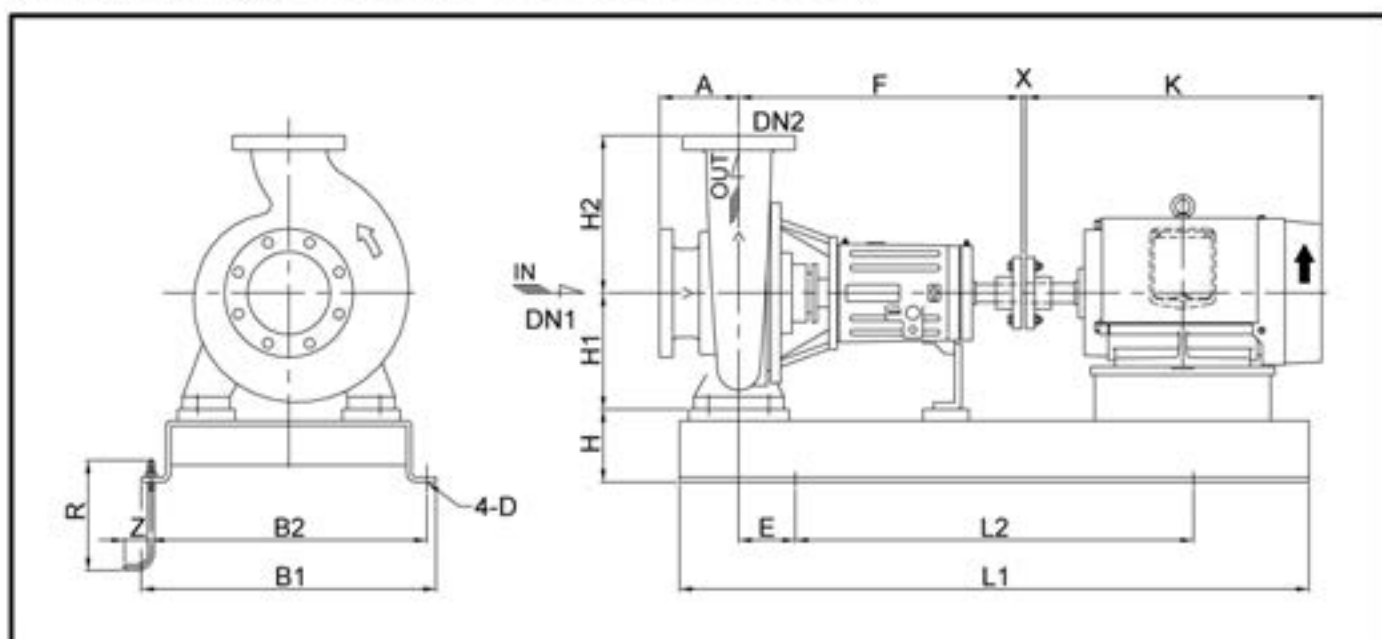
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》尺寸表(Standard Dimensions)



型號(Type)	軸型式(Model)	DN1(Inlet)	DN2(Outlet)	A	F	H1	H2
50x32-160	#1	50	32	80	385	132	160
65x50-160	#1	65	50	80	385	132	160
80x65-160	#1	80	65	100	385	160	180
32x25-200	#1	32	25	65	385	160	200
40x32-200	#1	40	32	80	385	132	180
50x32-200	#1	50	32	80	385	160	180
65x40-200	#1	65	40	100	385	160	180
80x50-200	#1	80	50	100	385	160	200
100x80-160	#2	100	80	100	500	160	200
100x65-200	#2	100	65	100	500	180	225
125x100-200	#2	125	100	125	500	200	280
50x32-260	#2	50	32	100	500	180	225
65x40-260	#2	65	40	100	500	180	225
80x50-260	#2	80	50	125	500	180	225
100x65-260	#2	100	65	125	500	200	250
125x80-260	#2	125	80	125	500	225	280
65x40-320	#2	65	40	125	500	200	250
80x50-320	#2	80	50	125	500	225	280
100x80-320	#2	100	80	125	500	225	280
125x100-260	#3	125	100	140	530	225	280
150x125-260	#3	150	125	140	530	250	355
200x150-260	#3	200	150	160	530	280	375
100x65-320	#3	100	65	125	530	225	280
125x80-320	#3	125	80	125	530	250	315
125x100-320	#3	125	100	140	530	250	315
150x125-320	#3	150	125	140	530	280	355
200x150-320	#3	200	150	160	530	280	400
125x100-400	#3	125	100	140	530	280	355
150x125-400	#3	150	125	140	530	315	400
200x150-400	#3	200	150	160	530	315	450

※以上尺寸僅供參考，正確尺寸依承認圖為基準。

單位(UNIT):mm

※ The above-mentioned size are only for reference, the correct size, in accordance with acknowledging pursuing



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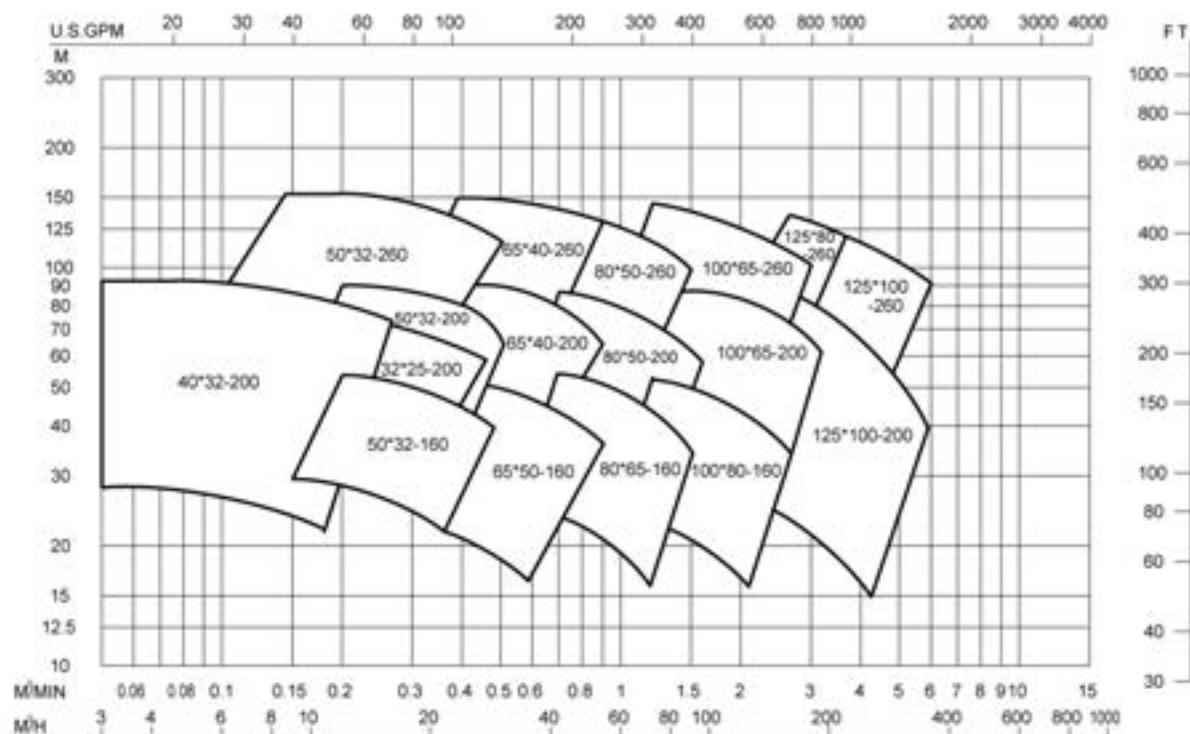
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PERFORMANCE RANGES

性能選擇表

MODEL: **WNB**

3550r.p.m (60HZ)



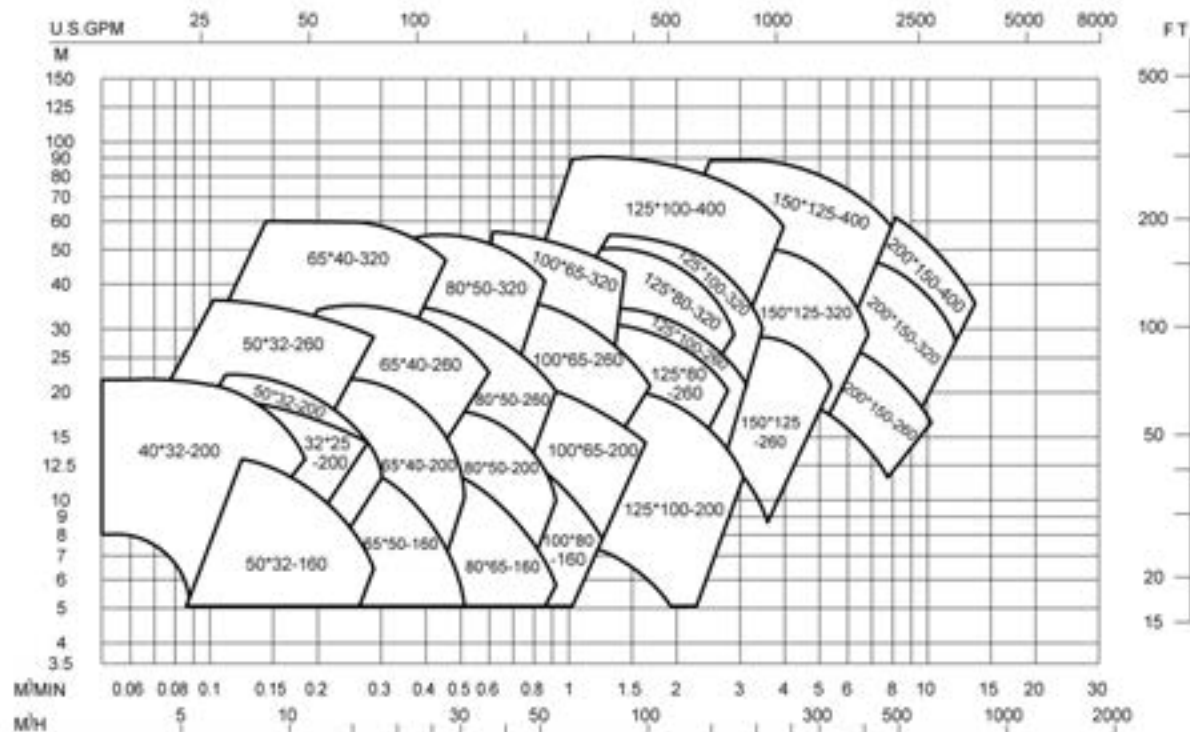
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PERFORMANCE RANGES

性能選擇表

MODEL: **WNB**

1780r.p.m (60HZ)





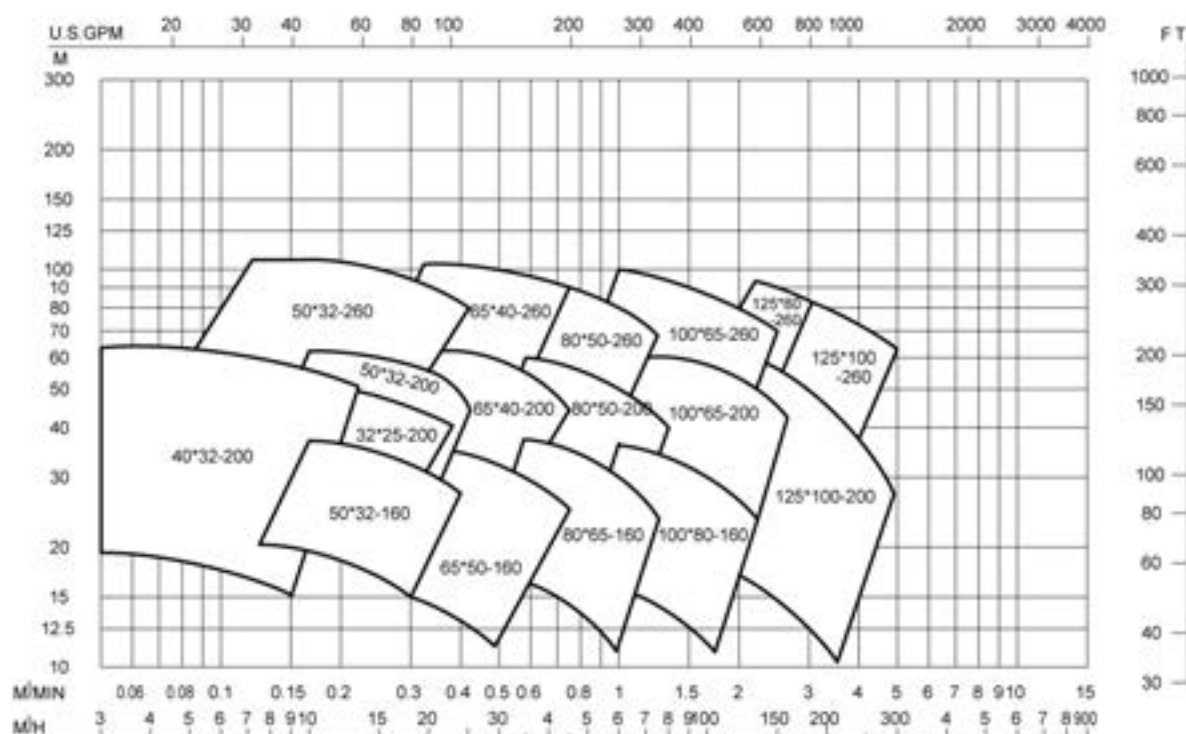
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PERFORMANCE RANGES

性能選擇表

MODEL: **WNB**

2950r.p.m (50HZ)



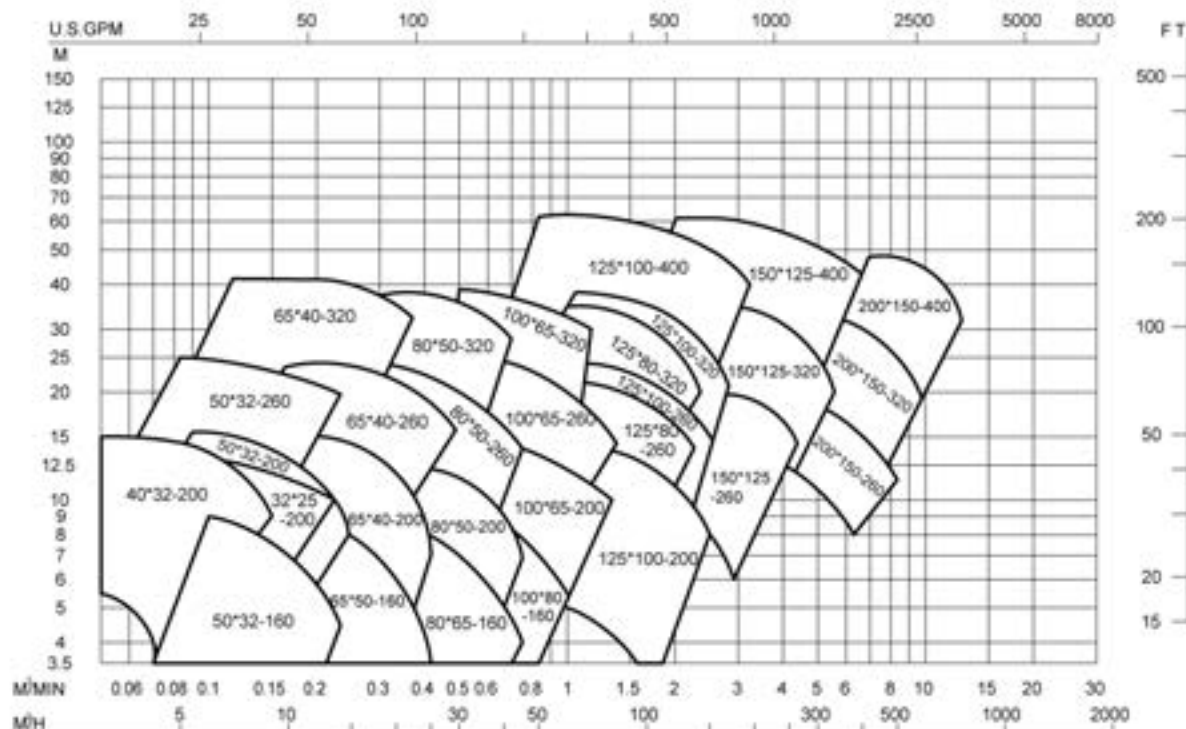
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PERFORMANCE RANGES

性能選擇表

MODEL: **WNB**

1480r.p.m (50HZ)





》如蒙洽詢請指示下列各項

In sending your enquiry or order, please inform us with the following Informations in detail:

1. 出水量(Capacity): _____ m³/min, _____ US.GPM or _____ IMP. GPM .
2. 總揚程(Total head): _____ m or _____ feet
3. 液體(Liquid): _____
4. 液體溫度(Temperature of liquid): _____ °C or _____ °F
5. 紙漿濃度(Pulp consistency): _____ %
6. 比重(Specific gravity): _____
7. 酸鹼度(P.H.): _____
8. 運轉溫度下之蒸氣壓力(Vapor pressure at operating temperature):
_____ kg/cm², or _____ PSIA
9. 可用之淨有效吸入揚程(NPSH available): _____ m or _____ feet
10. 泵浦迴轉數(Pump speed): _____ rpm
11. 驅動馬達出力(Driven motor output): _____ KW or _____ HP
12. 電源特性(Electric characteristics):
_____ Phase _____ Cycle _____ Volts



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