

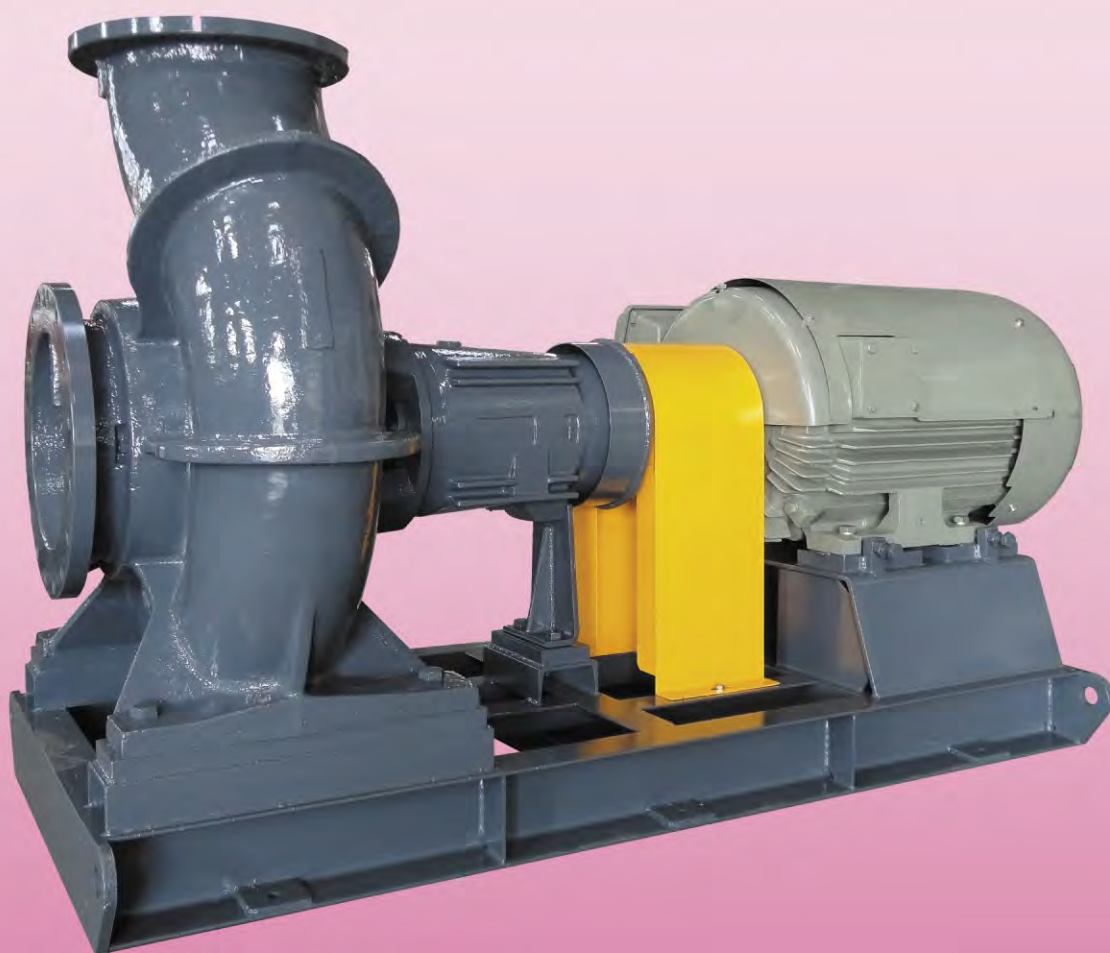
WBA

紙漿泵/製程泵

Paper Stock (Pulp) Pumps/Process Pumps

Dimension:ISO2858

Specification:ISO5199



- 單級端吸離心式泵浦
- 口徑: $\varnothing 80 \sim \varnothing 500\text{mm}$ (3"~20")
- 流量範圍 $0.6\text{m}^3/\text{min} \sim 80\text{m}^3/\text{min}$
- 揚程範圍 5m~120m
- 壓力範圍 $20\text{kg}/\text{cm}^2$
- 溫度範圍 150°C
- Single stage end suction centrifugal pump
- Pump port size from $\varnothing 80 \sim \varnothing 500\text{mm}$ (3"~20")
- Capacity to $0.6\text{m}^3/\text{min} \sim 80\text{m}^3/\text{min}$
- Heads to 5m~120m
- Pressures to $20\text{kg}/\text{cm}^2$
- Temperatures to 150°C



認可登錄
ISO 9001
2000/CNS 12681
REGISTERED
6M7Y006
品質依ISO5199規範
設計依ISO2858規範

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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ALL STAR PUMP ENTERPRISE CO.,LTD.



》用途

- 造紙與造漿：
紙漿之抽送可達5%~7%之濃度。
黑液之抽送可達68%之固體含量。
- 化工製程：
高濃度漿渣與高粘度液體之抽送。
蒸解器(evaporator)及再熱器之循環用。
- 石油化工用：製程中各種石化液體輸送。
- 礦業用：泥漿，礦漿之抽送。
- 食品工業用：水果漿之抽送。
- 一般用：廢水處理。

》技術特徵

- 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。
- 針對客戶需求，亦有(WBAB)皮帶輪傳動構造，可供選擇。
- 品質依ISO5199規範；設計依ISO2858規範(型號範圍至WBA200/200-32)

》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 and Paper Industries:
Consistency of pulp up to 5%~7% could be pumped.
Particles content of black liquid up to 68% volume shared could be pumped.
- Chemical processes:
Slurry and sticky liquid transferred.
The circulation uses of the solving steam evaporator and re-heater device.
- Petrochemical industry:
Process liquids transferred.
- Mining Industries:
Low consistency mud transferred.
- Food Industries
Fruit juice, paste or thick liquid transferred.
- General purposes:
Raw or sewage water treatment.

》Features

- Back pull-out design with capability to remove rotor assembly without to dismantle the pipe lines at the suction or discharge of pump casing.
- The bearing lubricated by grease, supply easily, also can choose oil of the option.
- Bearing assemblies combine with cooling fan, to keep the bearing operating under low temperature, and promotes longer life cycle. Separable seal cartridge design inside has the stuffing box on the seal house of the pump casing, ease to maintenance or replace the stuff or mechanic seal, also save time.
- To other demand we also provide WBAB type belt drive pulley for option.
- Rotation direction is clock's wise from motor side.
- Specification:ISO5199; Dimension:ISO2858(to positioning of the feet on size up to wba200/200-32)

》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。較大泵殼有雙渦卷設計,減少徑向推力,提高軸心及軸承壽命。

● 葉輪：

半開放葉輪具有較大流道,使顆粒、污泥、纖維、漿料液體容易通過。葉輪背面增加背葉可減少軸向推力,增加軸承使用壽命。

● 磨損盤：

分離式設計的磨損盤能配合葉輪用來保護泵殼,使泵殼不被輸送液體中的顆粒磨損,並容易更換,對於較小台泵浦,磨損盤包含有吸入口一部分的結構,且可更換。

● 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:

Central discharge design with high stiffness, get less distortion under the pipe loading, also ease to discharge the trapped gas, and back pull-out design ease to maintain rotor. The larger pumps with double volute casing could reduce radial forces and improve the shaft and bearing life cycle.

● IMPELLER:

Semi-open impeller with large free flow channel easily pass through big particles, sludge, fiber, pulp liquid. The back vanes of the impeller can balance the axial thrust force to improve the bearing life cycle.

● WEARING DISC:

Replaceable wear disc mate with impeller to protect pump casing avoid wearing from the particle of liquids, and ease to replace. For smaller pumps, the wear disc is formed in a part of the pump suction but also replaceable.

● 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.

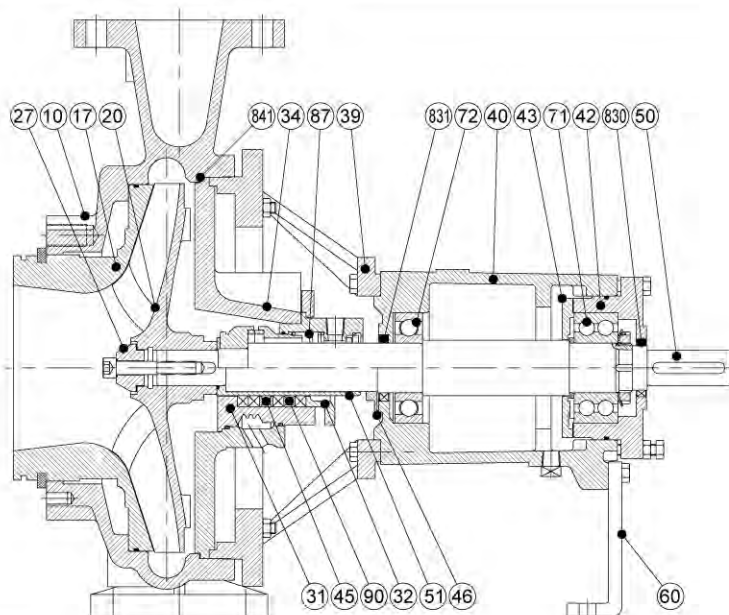
● BEARING BRACKET:

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.

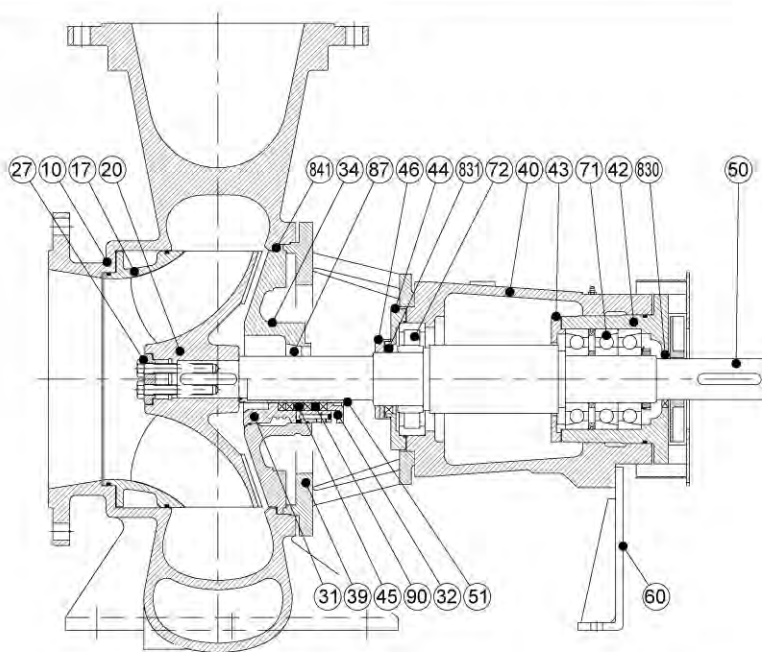


》產品構造(Construction)

構造圖(一)
Construction 1



構造圖(二)
Construction 2

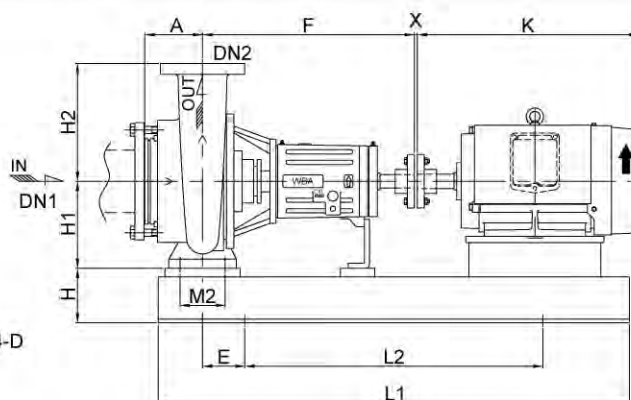
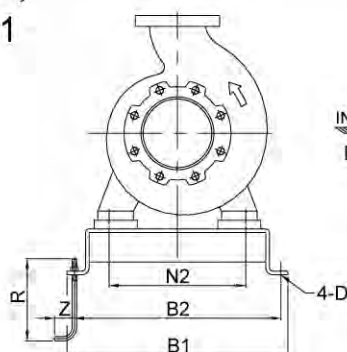


PART NO	零件名稱	PART NAME	PART NO	零件名稱	PART NAME	PART NO	零件名稱	PART NAME
10	泵殼	Casing	40	軸承箱	Bearing bracket	60	支腳	Foot
17	磨損盤	Wear disc	42	小軸承箱	Bearing housing	71	軸承	Radial bearing
20	葉輪	Impeller	43	M側軸承蓋	Bearing cover	72	軸承	Radial bearing
27	葉輪墊塊	Imp washer	44	P側軸承蓋	Bearing cover	830	油封	Oil seal
31	小填料函	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	側磨損盤(填料函)	Casing cover	50	軸心	Pump shaft	87	機械軸封	Mechanical seal
39	中間托架	Lantern	51	軸套	Shaft sleeve	90	填料	Gland packing



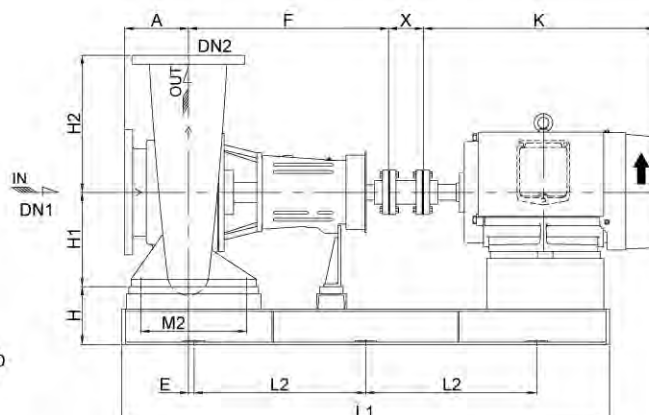
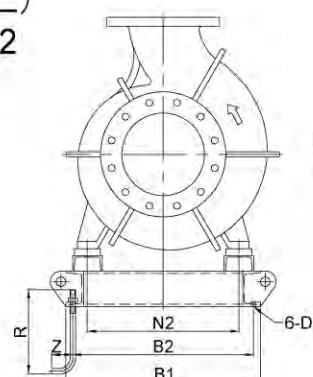
》尺寸表(Standard Dimensions)

剖面詳見構造圖(一)
refer to construction 1



型號(Type)	軸型式(Model)	DN1(Inlet)	DN2(Outlet)	A	F	H1	H2	M2	N2
150x80-260	#2	150	80	150	500	200	280	120	280
150x80-320	#2	150	80	150	500	225	315	120	280
150x150-260	#2	150	150	143	510	250	315	120	315
150x150-320	#3	150	150	149	535	280	400	150	450
200x200-320	#3	200	200	152	530	315	450	150	450

剖面詳見構造圖(二)
refer to construction 2



型號(Type)	軸型式(Model)	DN1(Inlet)	DN2(Outlet)	A	F	H1	H2	M2	N2
200x100-400	#3	200	100	155	530	280	400	150	450
200x150-400	#3	200	150	155	530	315	450	150	450
250x250-320	#3	250	250	250	490	400	530	150	450
200x200-400	#4	200	200	165	853	250	425	430	640
250x250-400	#4	250	250	250	855	250	500	430	640
300x300-400	#4	300	300	270	850	400	625	430	640
350x300-400	#4	350	300	270	871	400	625	430	640
200x150-430	#4	200	150	165	713	355	450	170	580
250x200-430	#4	250	200	180	717	355	500	170	580
300x250-430	#4	300	250	200	725	450	550	170	680
350x300-430	#4	350	300	210	733	450	600	170	680
250x200-480	#4	250	200	180	740	450	530	170	680
400x350-480	#4	400	350	250	775	500	700	170	680
300x250-600	#5	300	250	200	905	450	675	430	750
500x500-600	#5	500	500	300	905	630	875	430	750

※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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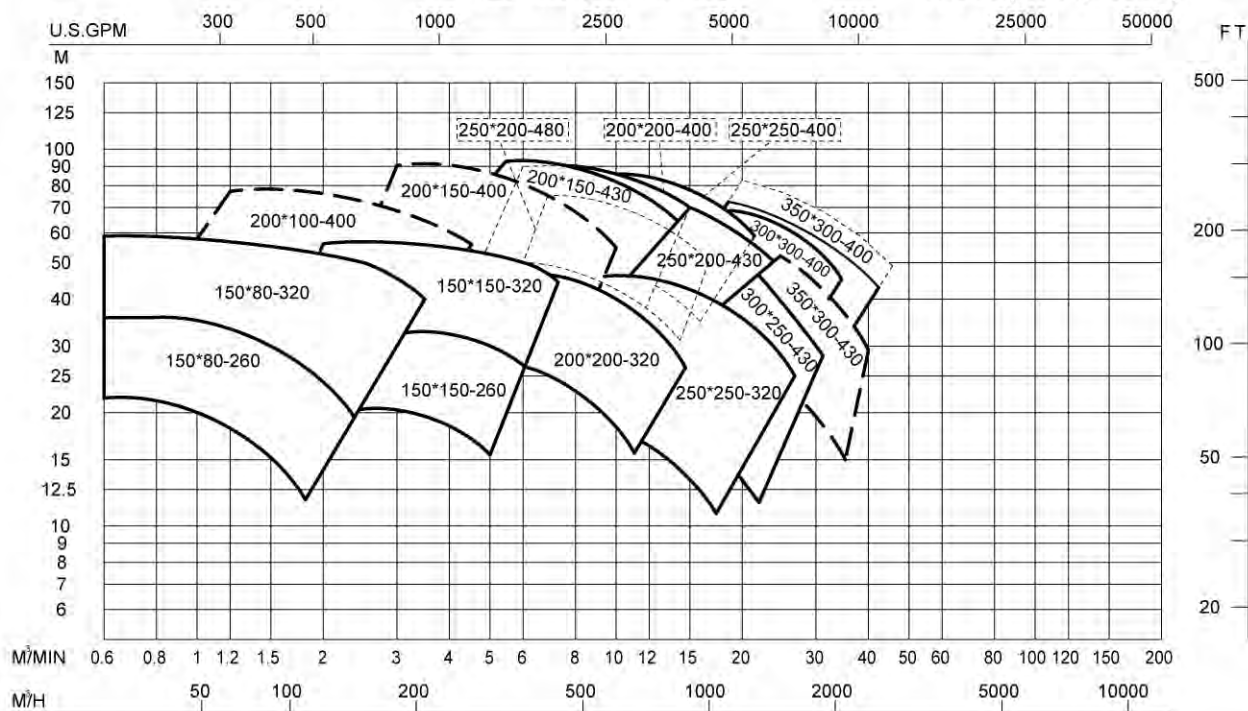
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PERFORMANCE RANGES

性能選擇表

MODEL: **WBA**

1780r.p.m (60HZ)



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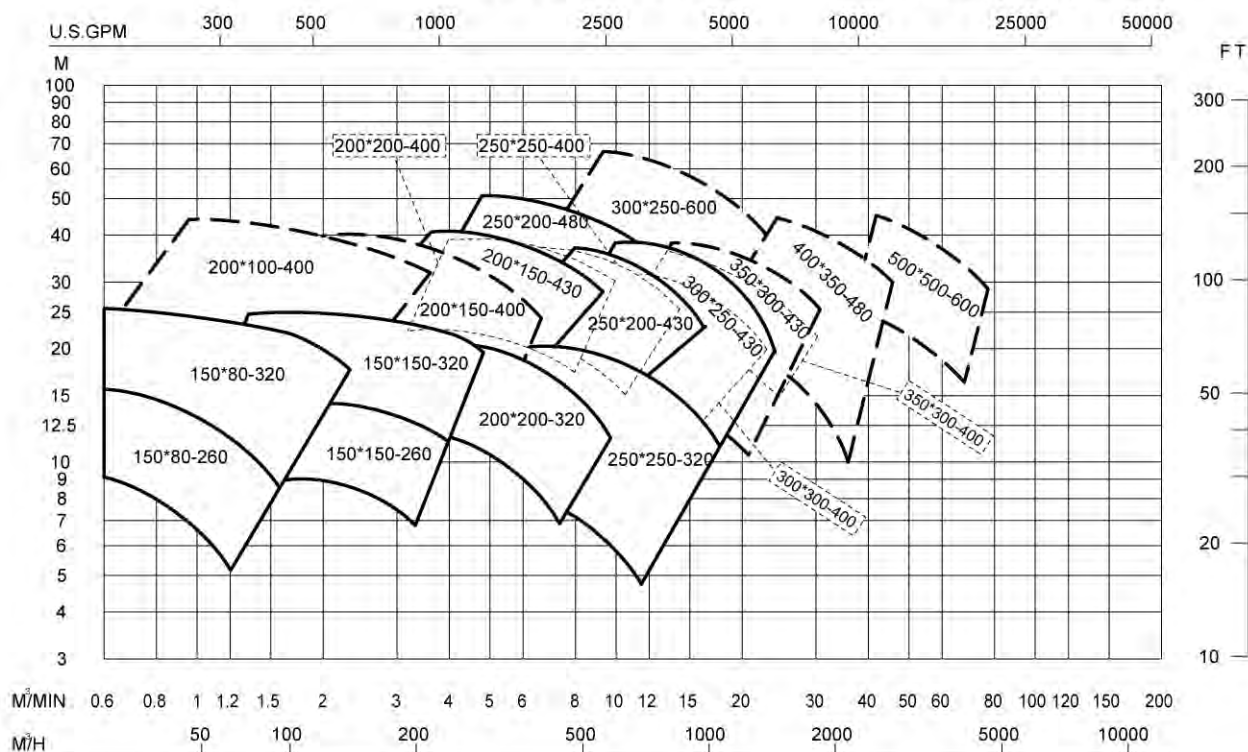
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PERFORMANCE RANGES

性能選擇表

MODEL: **WBA**

1180r.p.m (60HZ)





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WBA Paper Stock (Pulp) Pumps/Process Pumps



ALL STAR PUMP

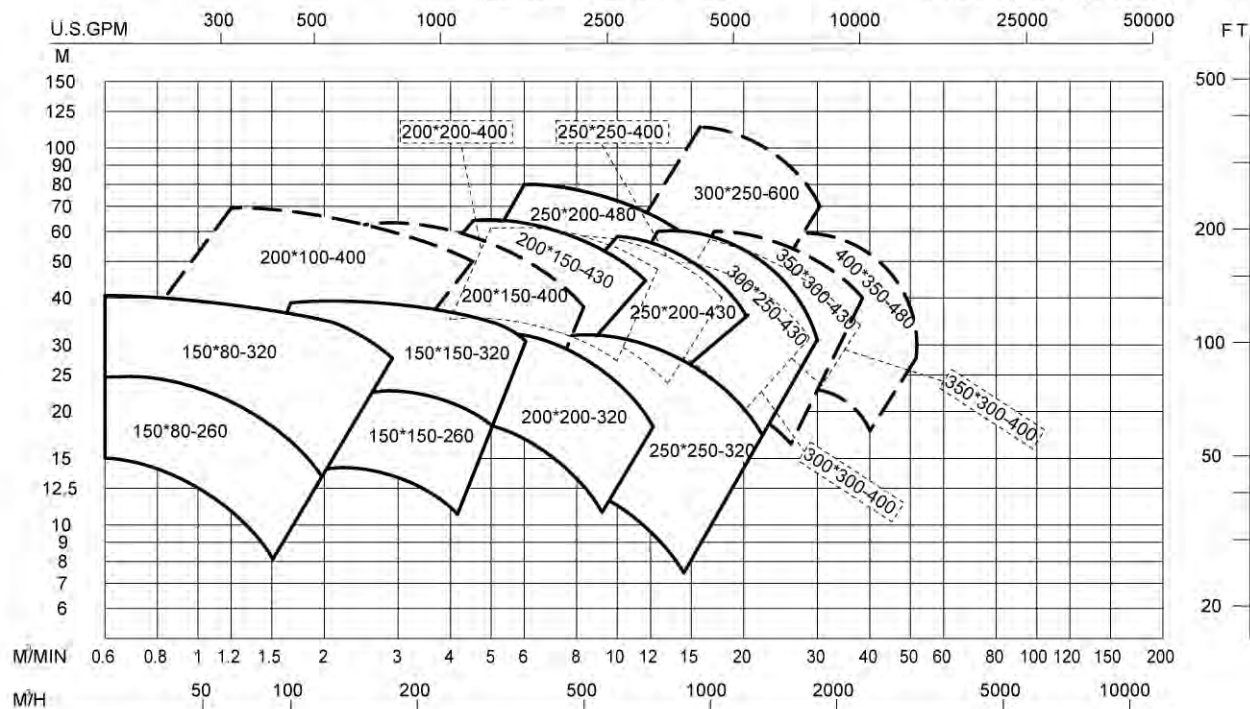
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PERFORMANCE RANGES

性能選擇表

MODEL: **WBA**

1480r.p.m (50HZ)



ALL STAR PUMP

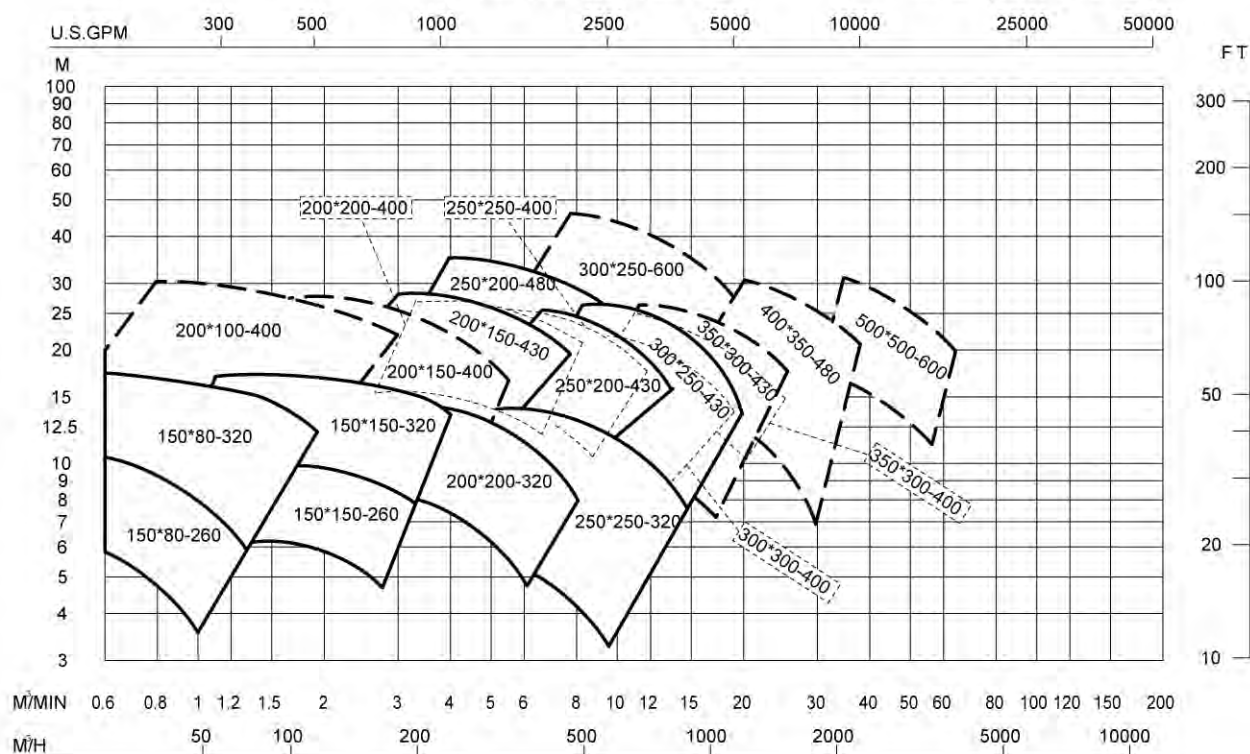
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PERFORMANCE RANGES

性能選擇表

MODEL: **WBA**

980r.p.m (50HZ)





萬事興
ALL STAR PUMP

紙漿泵/製程泵 WBA

WBA Paper Stock (Pulp) Pumps/Process Pumps

》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



萬事興實業有限公司
ALL STAR PUMP ENTERPRISE CO.,LTD.

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