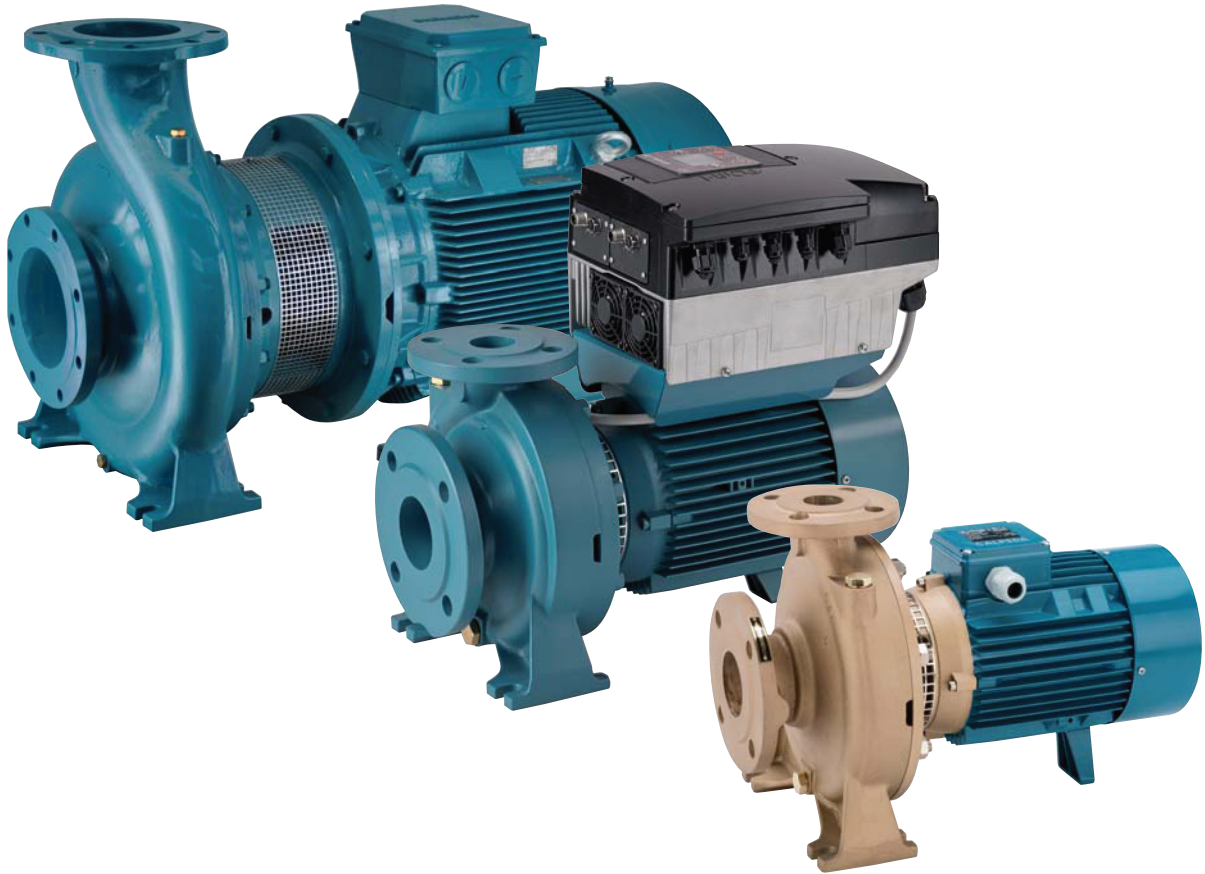


NM4, NMS4 60 Hz

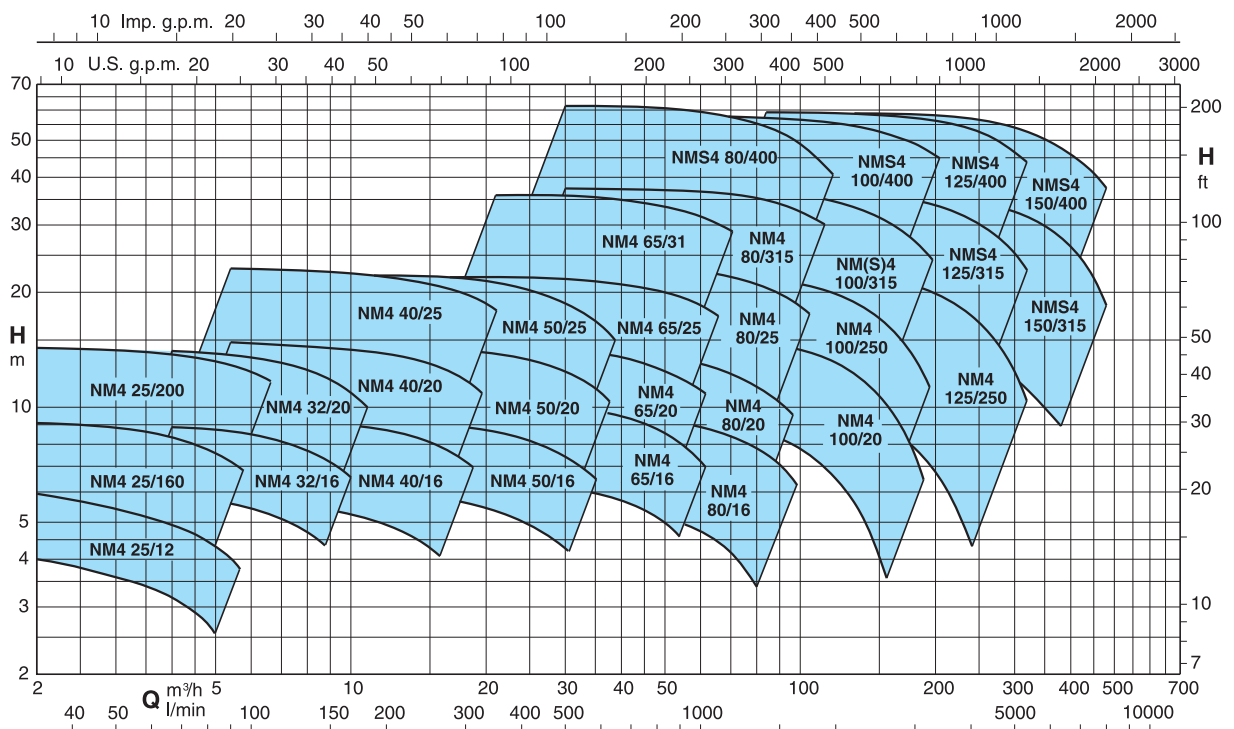


Close Coupled Centrifugal Pumps $n \approx 1750$ rpm
直結離心式泵浦 法蘭口



Coverage chart - 性能總表

$n \approx 1750$ rpm



NM4, NMS4 60 Hz



Construction

Close-coupled centrifugal pumps; electric motor with extended shaft directly connected to the pump up to 15 kW, new bracket construction for standard motors (Stub-shaft construction) from 18,5 to 75 kW with integrated thrust bearing. Pump casing with axial suction and radial delivery on top, main dimensions and performance according to EN 733 with additional sizes for completion.

NM(S)4: version with pump casing and lantern bracket in cast iron.

B-NM(S)4: version with pump casing and lantern bracket/casing cover in bronze. (the pumps are supplied fully painted).

Connections

Sizes	Connections
NM4 25/125, 25/160, 25/200	Threaded ports ISO 228 Threaded ports NPT (ANSI/ASME B1.20.1) on request

from NM4 32/.. to NMS4 150/..	Flanges according to PN 10, EN 1092-2
-------------------------------	---------------------------------------

Counter-flanges (on request)

Sizes	Flanges
from NM4 32/.. to NM4 50/..	Screwed flanges EN 1092-1, PN 16
from NM4 32/.. to NMS4 150/400	Flanges for welding EN 1092-1, PN 10

Version with frequency converter (on request)

Applications

- For clean liquids without abrasives, which are non-aggressive for the pump materials (contents of solids up to 0,2%).
- For water supply.
- For heating, air conditioning, cooling and circulation plants.
- For civil and industrial applications.
- When low noise operating is required.
- For irrigation.

Operating conditions

Liquid temperature from -10 °C to +90 °C.

Ambient temperature up to 40 °C.

Total suction lift up to 7 m.

Maximum permissible working pressure up to 10 bar (16 bar for NM4 65/16 and NM4 80/16).

Continuous duty.

Motor

4-pole induction motor, 60 Hz ($n \approx 1750$ rpm).

NM4, NMS4: three-phase 220/380 V, 220/440 V, up to 3 kW;
380/660 V, from 4 to 75 kW;

Insulation class F.

Protection IP 54 (IP 55 for NMS4).

Motor suitable for operation with frequency converter from 1,1 kW.

Classification scheme IE2 for three-phase motors from 0,75 kW to 5,5 kW, IE3 from 7,5 kW.

Constructed in accordance with: EN 60034-1; EN 60034-30.

Special features on request

- Other voltages. - Protection IP 55.
- Special mechanical seal.
- Higher or lower liquid or ambient temperatures.
- Motor suitable for operation with frequency converter up to 0,75 kW.

Materiali

Components	NM4, NMS4	B-NM4, B-NMS4
Pump casing Lantern bracket NM4 Casing cover for NMS4	Cast iron GJL 200 EN 1561	Bronze G-Cu Sn 10 EN 1982
Lantern bracket NMS4	Cast iron GJL 200 EN 1561	
Impeller	Cast iron GJL 200 EN 1561	Bronze G-Cu Sn 10 EN 1982
	Brass P- Cu Zn 40 Pb 2 UNI 5705 For NM4 25/12 - 25/160 - 25/200 - 32/16 - 32/20 - 40/20	
Shaft	AISI 303 up to 1,1 kW AISI 430 from 1,5 kW to 75 kW	Cr Ni Mo steel AISI 316
Mechanical seal	Carbon - Ceramic - NBR	
Counter-flanges	Steel Fe 430B UNI 7070	

結構

直結離心式泵浦：15kW以下之電動馬達軸心直連接泵浦。新型托架之標準馬達（延伸結構）與一體成形之止推軸承最大支援可從18.5到75kW。入口端對齊泵浦軸心，出口端置於泵浦頂端。

主要尺寸與性能依據EN733。

NM(S)4：鑄鐵材質之泵浦外殼與托架。

B-NM(S)4：青銅材質之泵浦外殼與托架/殼體外罩（泵浦本體整體烤漆）。

接口

尺寸	接口
NM4 25/125, 25/160, 25/200	牙口 ISO 228 牙口 NPT (ANSI/ASME B1.20.1) 依需求提供

NM4 32/.. 到 NMS4 150/..	法蘭 PN 10, EN 1092-2
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相對法蘭（依需求提供）

尺寸	法蘭
NM4 32/.. 到 NM4 50/..	牙口法蘭 EN 1092-1, PN 16
NM4 32/.. 到 NMS4 150/400	焊接法蘭 EN 1092-1, PN 10

搭配變頻器（依需求提供）

應用

- 乾淨液體無雜質，不具腐蝕性（固體含量不超過0.2%）
- 供水系統
- 加熱、空調、冷卻及循環設備
- 民生及工業應用
- 消防系統應用
- 農業灌溉應用

操作條件

液體溫度 -10°C 至 +90°C

周圍溫度至40°C

總吸入揚高至7m

泵浦本體可承受最大壓力值為10bar

(NM4 65/16 與 NM4 80/16 為16bar)

連續運轉

馬達

4極感應電動馬達，60Hz($n=1750$ rpm)

NM4, NMS4: 3kW以下為三相220/380V, 220/440V
4-75kW為三相380/660V

絕緣等級：F

保護等級：IP54(NMS4使用IP55)

1.1kW以上之馬力可直接搭配變頻器使用。

三相馬達0.75kW至5.5kW使用歐盟效能指標高效率IE2，7.5kW以上使用IE3

結構設計符合EN 60034-1；EN 60034-30之規範。

特殊需求

- 其他電壓值 - 保護等級IP55
- 特殊機械軸封
- 更高或是更低之液體或是周圍溫度之需求
- 0.75kW以上之馬力數直接搭配變頻器使用

材質

零件	NM4, NMS4	B-NM4, B-NMS4
泵浦外殼 托架-NM4 外罩-NMS4	鑄鐵 GJL 200 EN 1561	青銅 G-Cu Sn 10 EN 1982
托架-NMS4	鑄鐵 200 EN 1561	
葉片	鑄鐵 GJL 200 EN 1561	青銅 G-Cu Sn 10 EN 1982
	NM4 25/12 - 25/160 - 25/200 - 32/16 - 32/20 - 40/20 之型號使用黃銅 P- Cu Zn 40 Pb 2 UNI 5705	
軸心	1,1 kW以下使用不鏽鋼AISI 303 不鏽鋼AISI 430 1,5 kW 至 75 kW	不鏽鋼 AISI 316
機械軸封	碳精 - 陶瓷 - NBR	
相對法蘭	鐵 Fe 430B UNI 7070	

Pumps with frequency converter

The **NM EI** pumps are available with power from 0,55 kW up to 11 kW, the pumps are equipped with **I-MAT** installed on board which allows to realize a variable-speed system extremely compact and efficient, ideal in applications of water supply and in the distribution of hot and cold water.

The pump is equipped with transducers suitable for operation and is already programmed at the factory.

Advantages

- Energy saving
- Compact design
- Easy to use
- Programmable to suit the system requirements
- Reliability

Costruction

The system comprises of:

- Pump
- Induction motor
- I-MAT Frequency converter
- Motor adapter for the motor mounting of the frequency converter
- Connection cable between frequency converter and induction motor
- Transducers

Main features

- Rated motor power output from 0,55 kW to 11 kW
- Control range from 1750 to 3450 rpm (2-pole)
- Protection against dry running
- Protection against operations with closed valve ports
- Protection against system leakages
- Protection against overcurrent in the motor
- Protection against overvoltage and undervoltage of the power supply
- Protection against current unbalances between phases



泵浦搭配變頻器

NM4 EI 泵浦規格從0.25kW到11kW，在泵浦上配置**I-MAT**變頻器使系統更有效率，應用於供水設備及冷熱水設備。泵浦已裝有感應器，適用於各項操作，且完成程式設定。

優點

- 節能
- 簡潔設計
- 操作簡單
- 可依系統需求編輯程式
- 可靠

結構

該系統包括：

- 泵浦
- 電動馬達
- I-MAT變頻器
- 馬達固定座(變頻器安裝於馬達使用)
- 連接電纜(於變頻器及馬達之間)
- 壓力傳送器

主要特色

- 馬達額定輸出功率：0.25kW至11kW
- 控制範圍：870至1750 rpm(4極)
- 防乾轉保護裝置
- 防止系統在閥門於關閉情況下操作
- 防止系統漏水
- 馬達過電流保護裝置
- 防止欠相保護

Operating modes



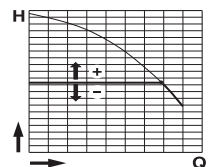
Constant pressure mode
with pressure transducer

In this mode, the system maintains the preset pressure when the flow required by the installation changes.

操作模式

恆壓模式
與壓力感應器

此模式依水量變化來維持壓力設定值。

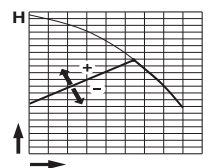


Proportional pressure mode
with pressure transducer

In this mode the system changes the working pressure according to the required flow rate.

比例壓力模式
與壓力感應器

此模式依據流量來更變系統運轉壓力。

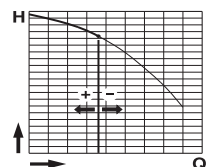


Constant flow mode
with flow meter

In this mode the system maintains a constant flow rate value in a point of the installation according to the required pressure.

定量模式
與流量計

此模式依據需求壓力來維持流量值。

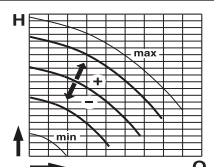


Fixed speed mode
with setting of the speed preferential rotation.

In this mode, by changing the working frequency, you may choose any operational curve included within the working range.

定速模式
與設定先取速度旋轉

此模式須選擇操作曲線包括運準範圍。



Constant temperature mode
with temperature transducer

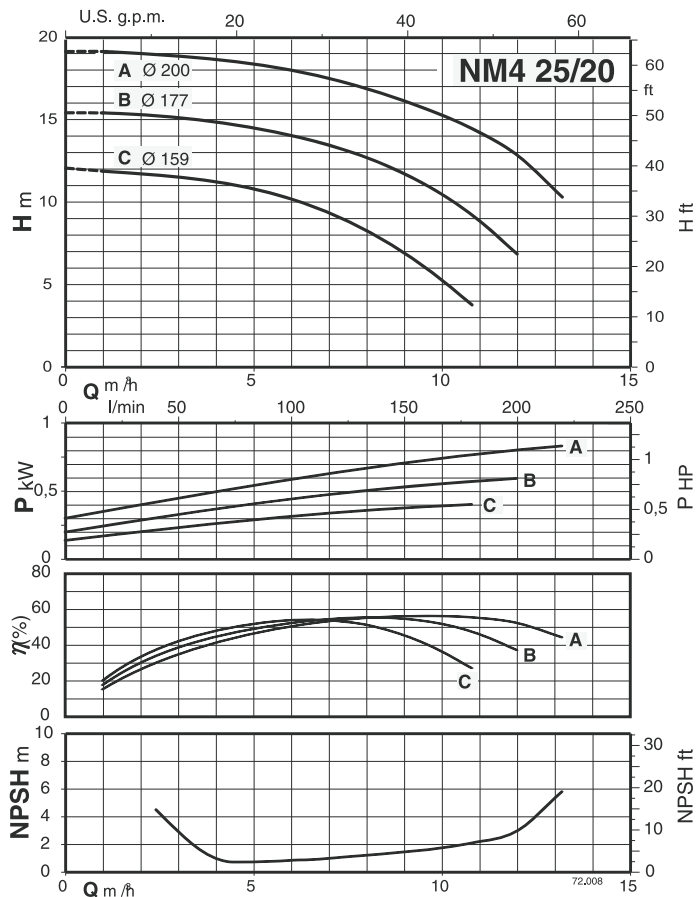
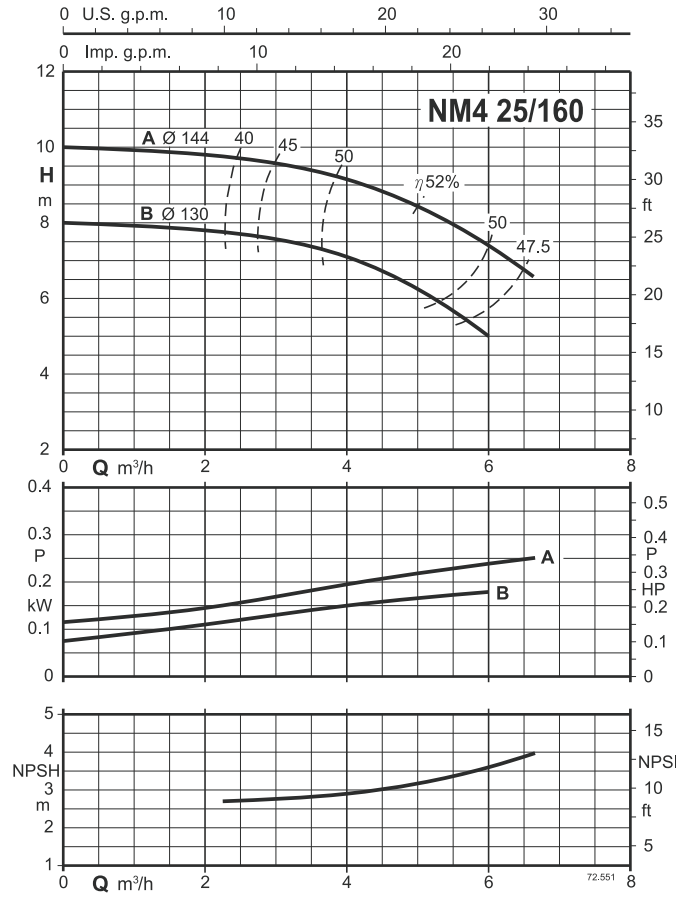
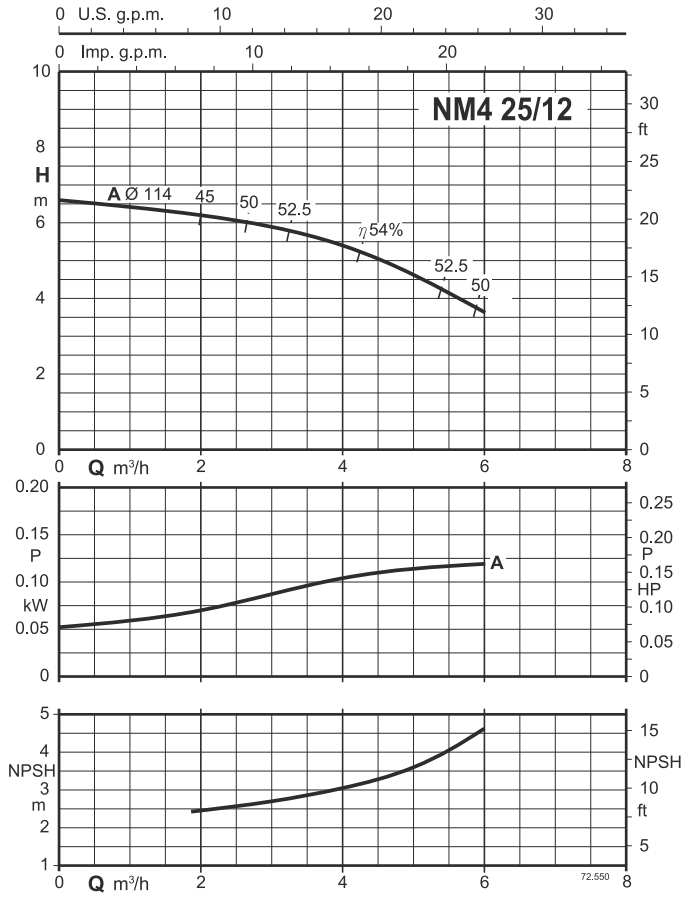
In this mode the system keeps the temperature constant inside a system by changing the speed of the pump.

恆溫模式
與溫度感應器

依照泵浦速度變換，維持系統內部溫度。

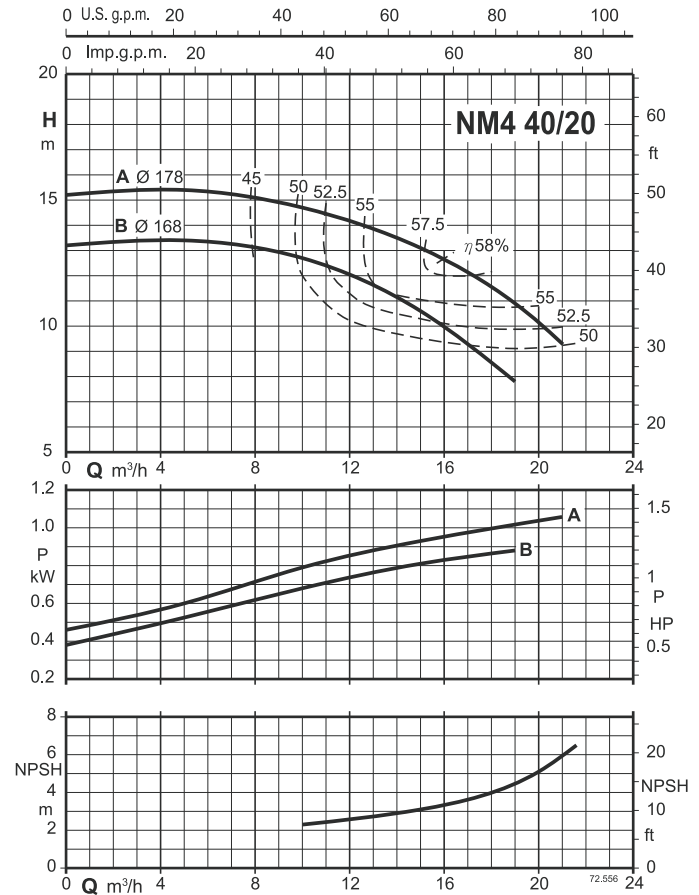
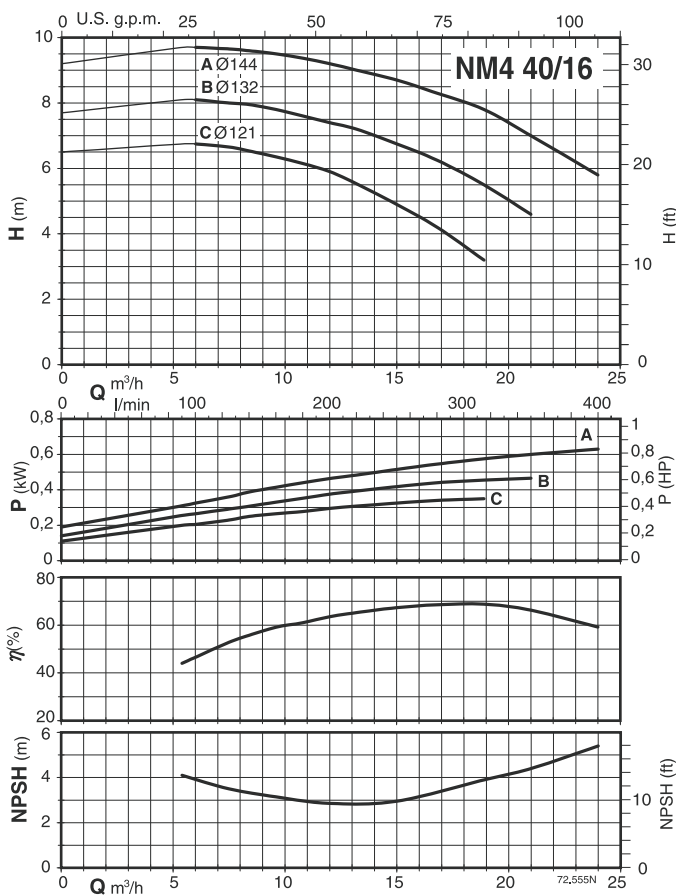
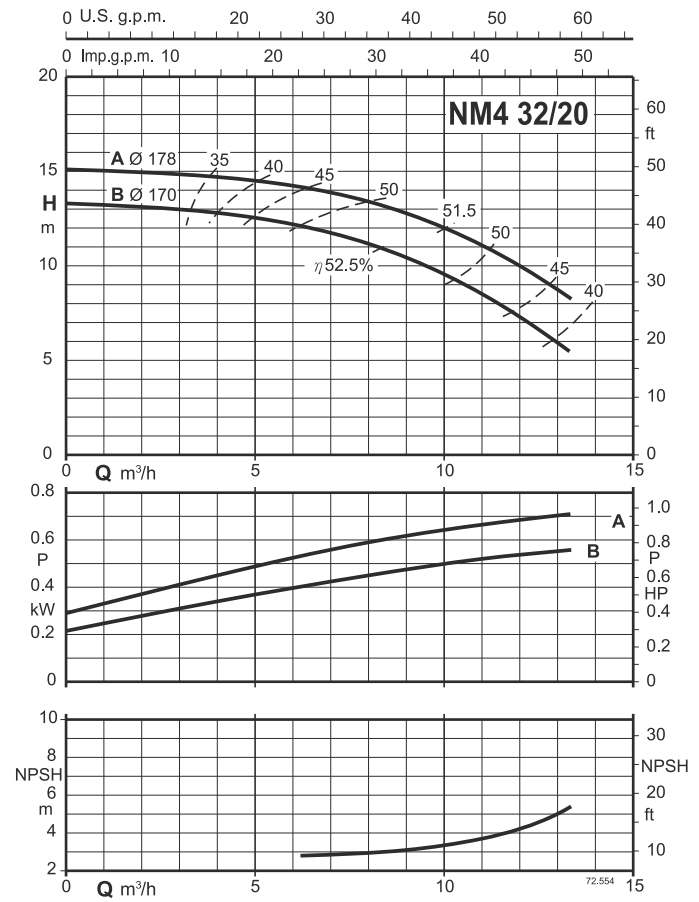
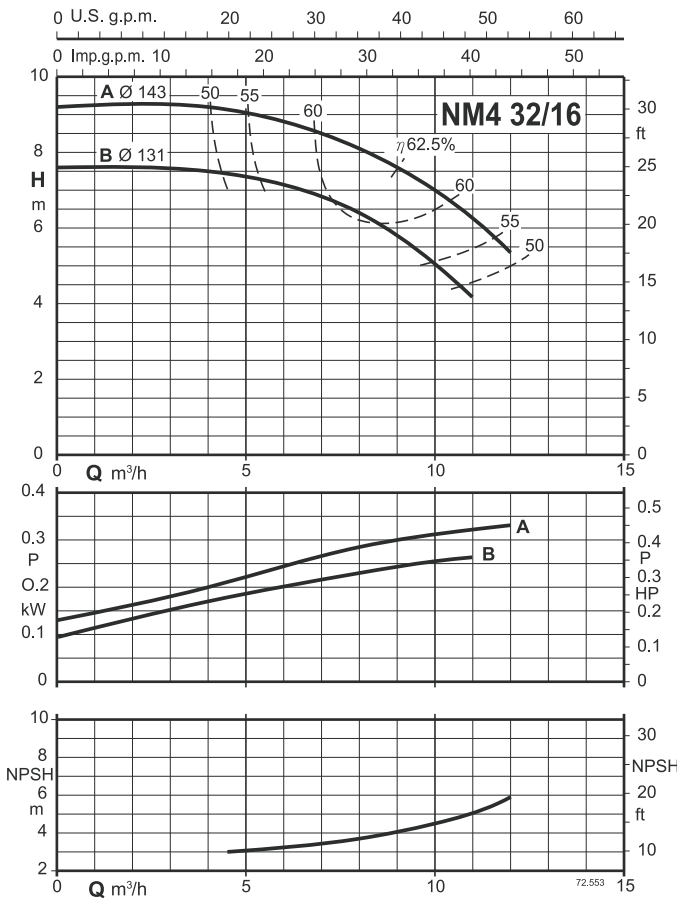
Characteristic curves - 性能曲線

$n \approx 1750\text{rpm}$



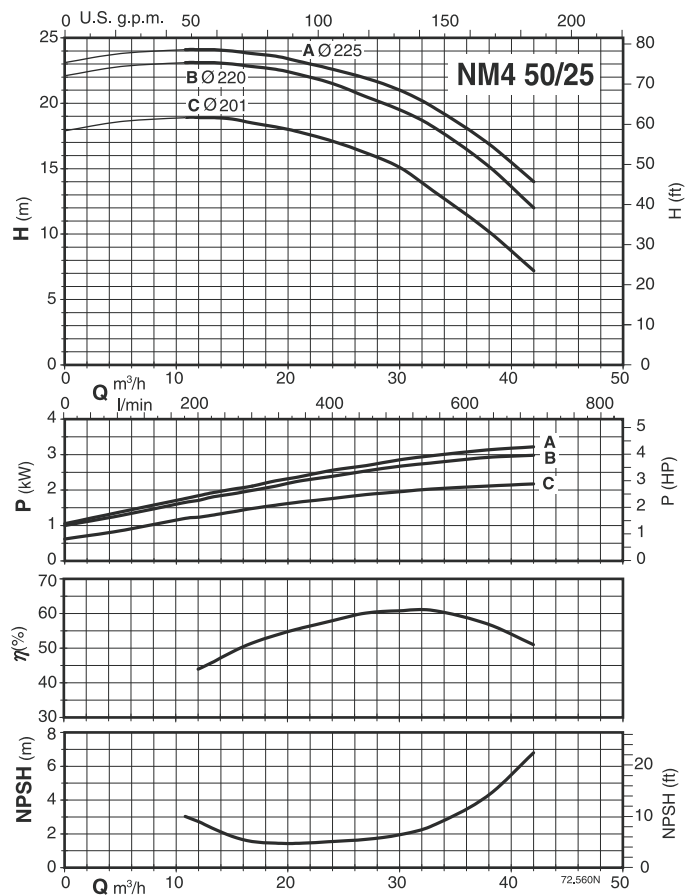
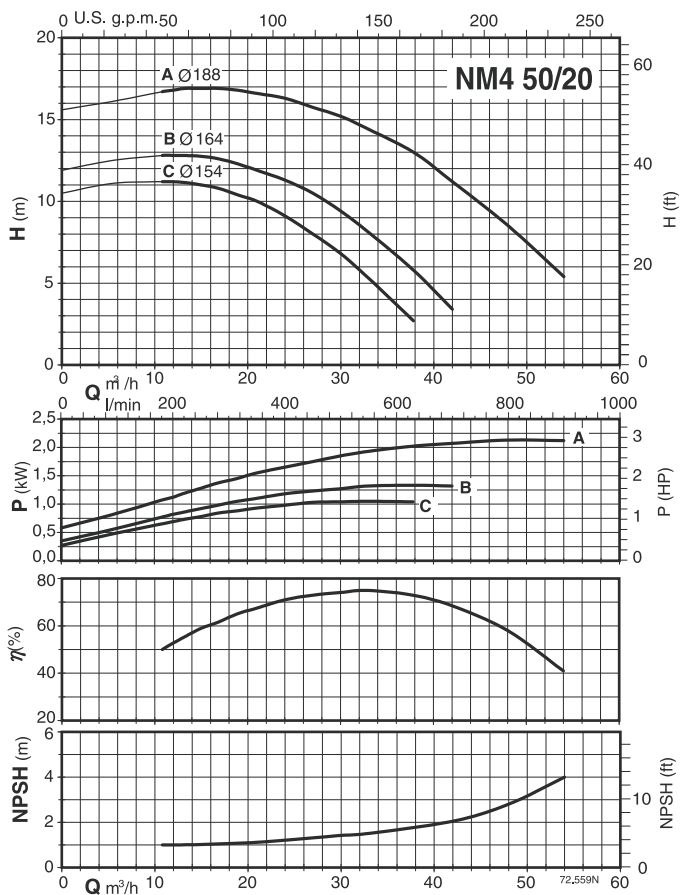
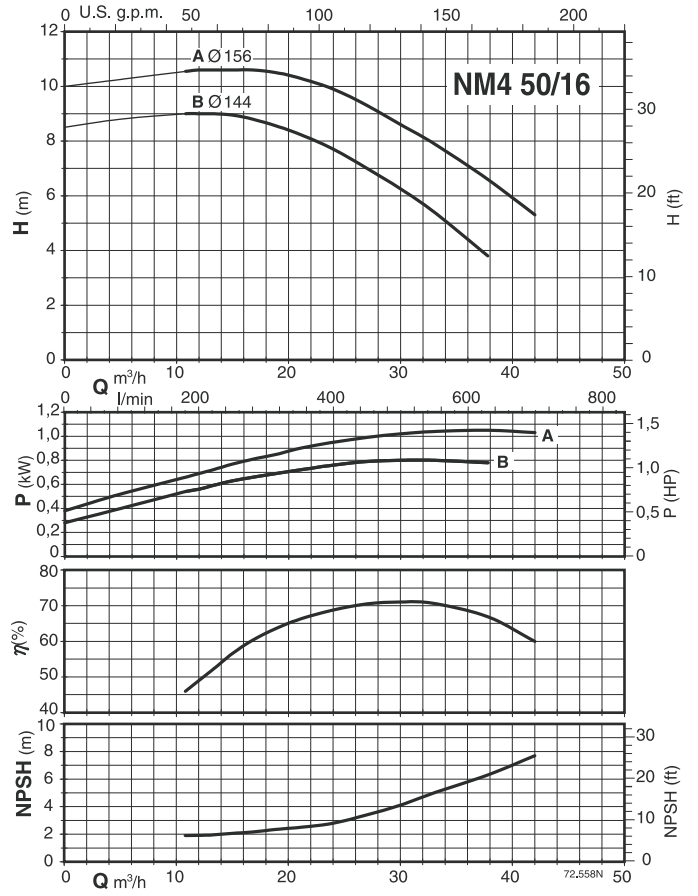
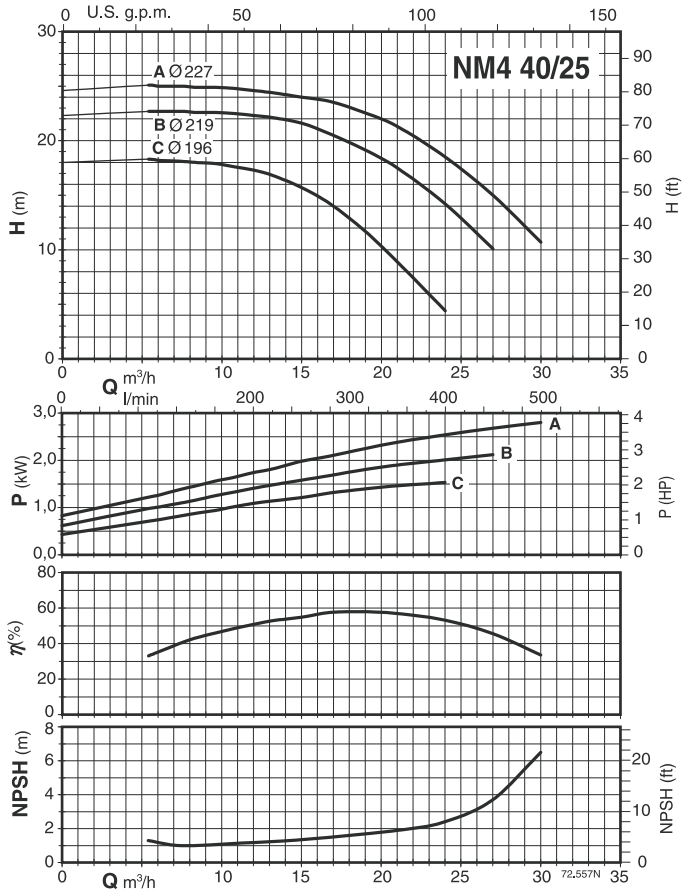
Characteristic curves - 性能曲線

$n \approx 1750 \text{ rpm}$



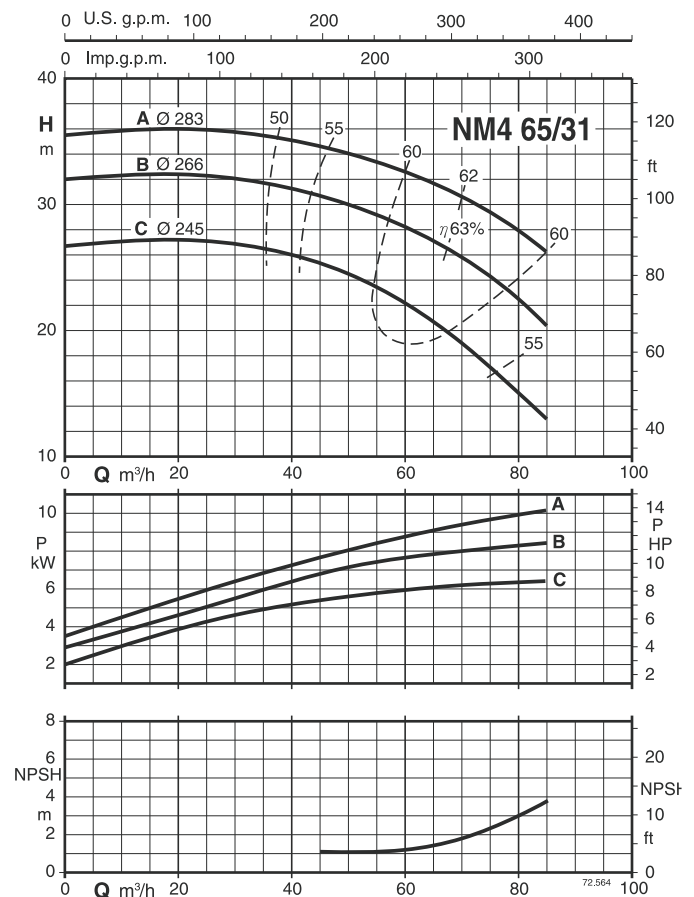
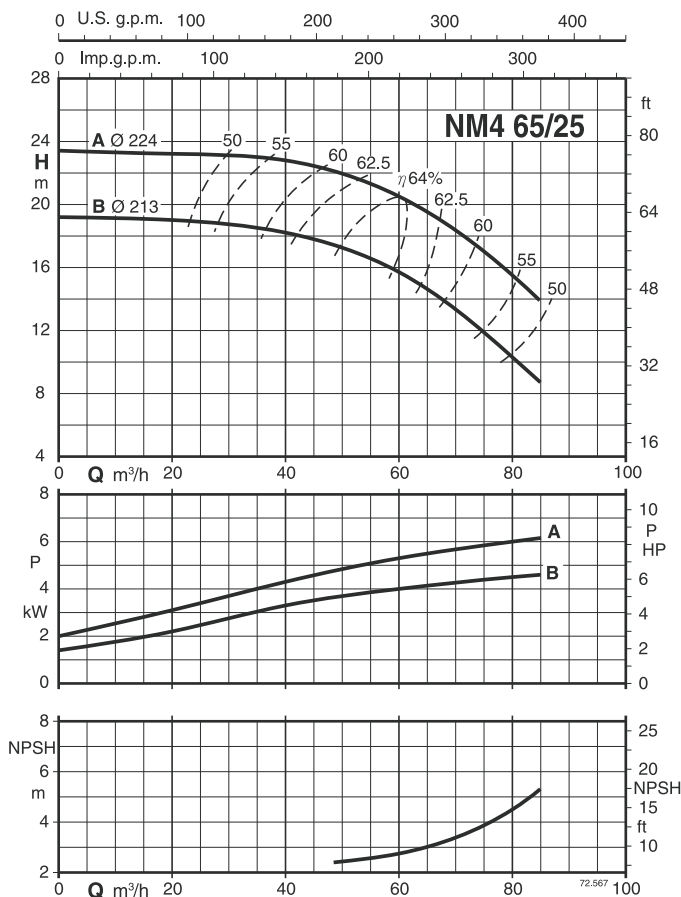
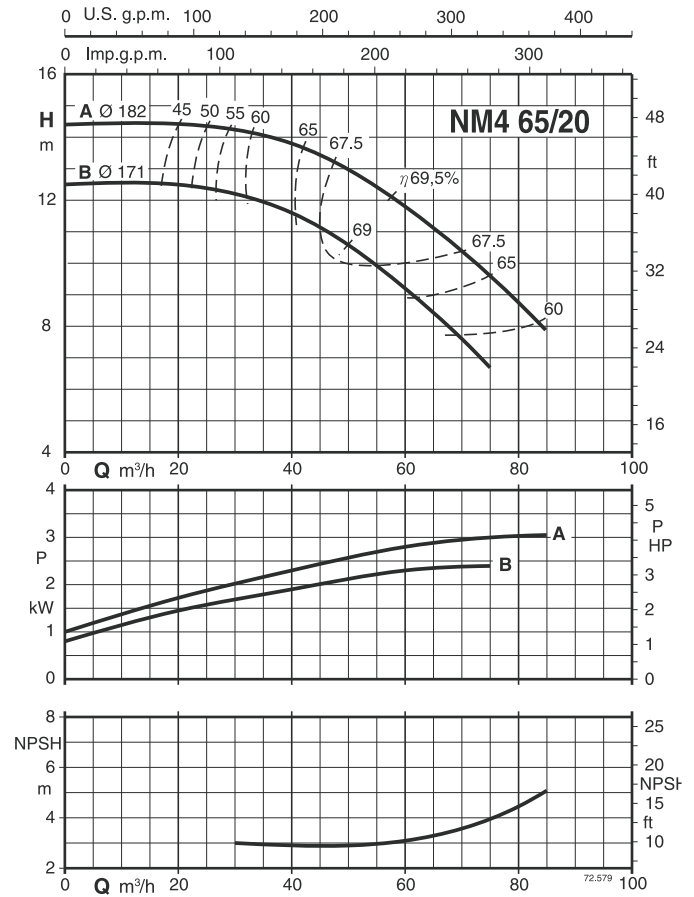
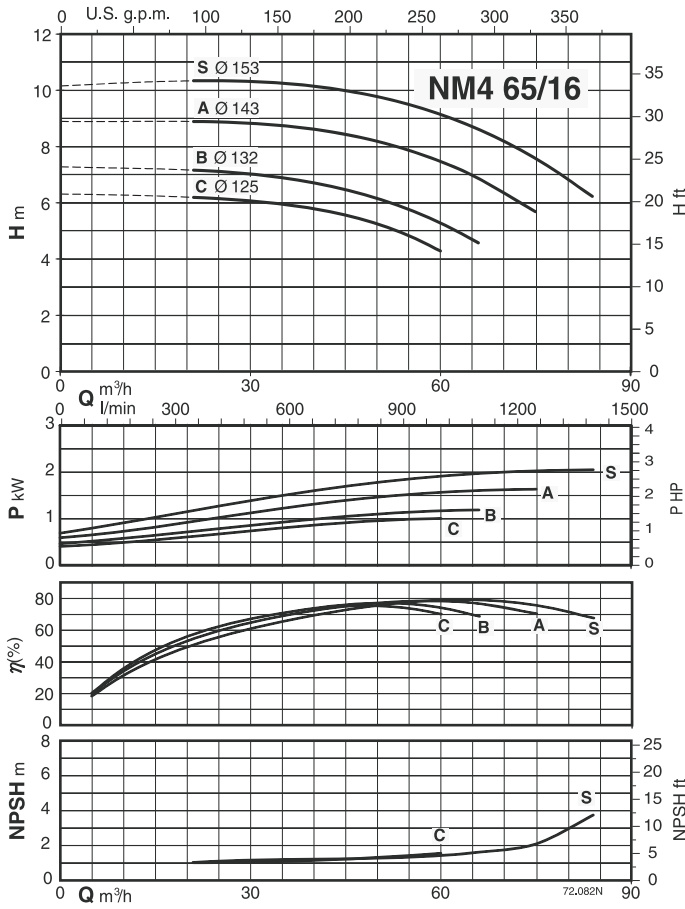
Characteristic curves - 性能曲線

$n \approx 1750\text{rpm}$



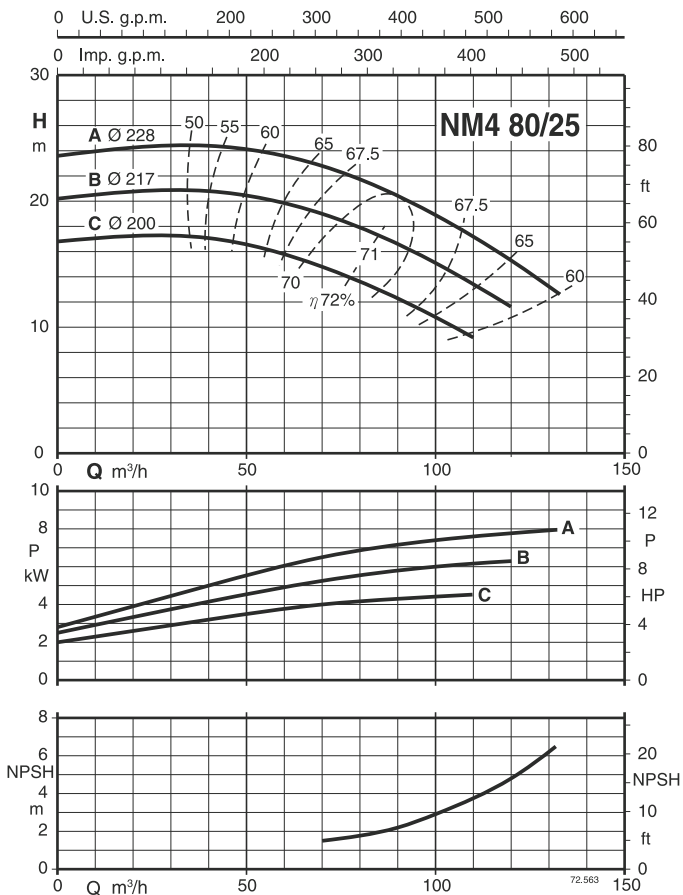
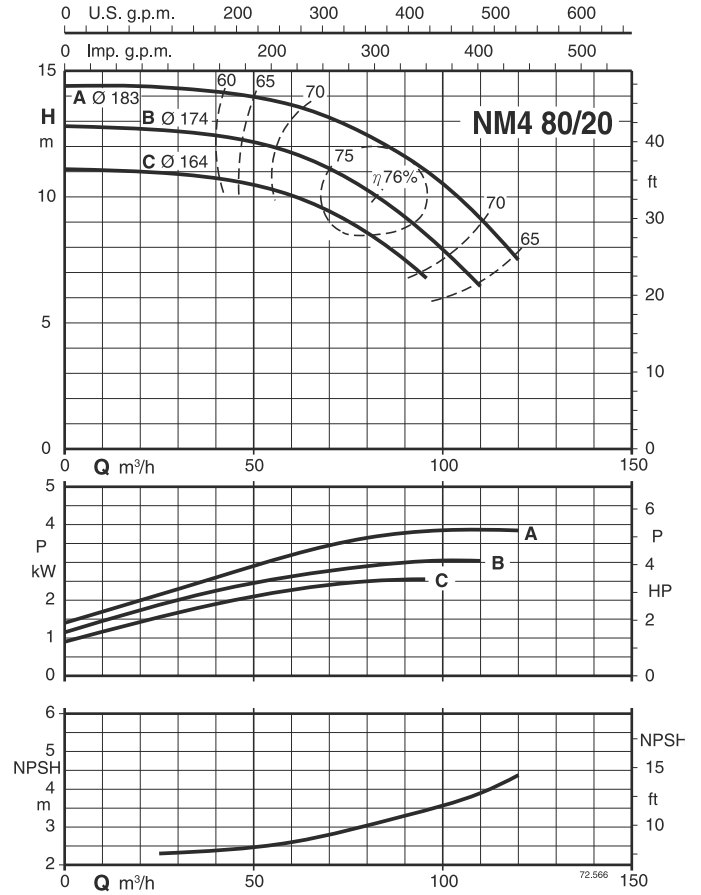
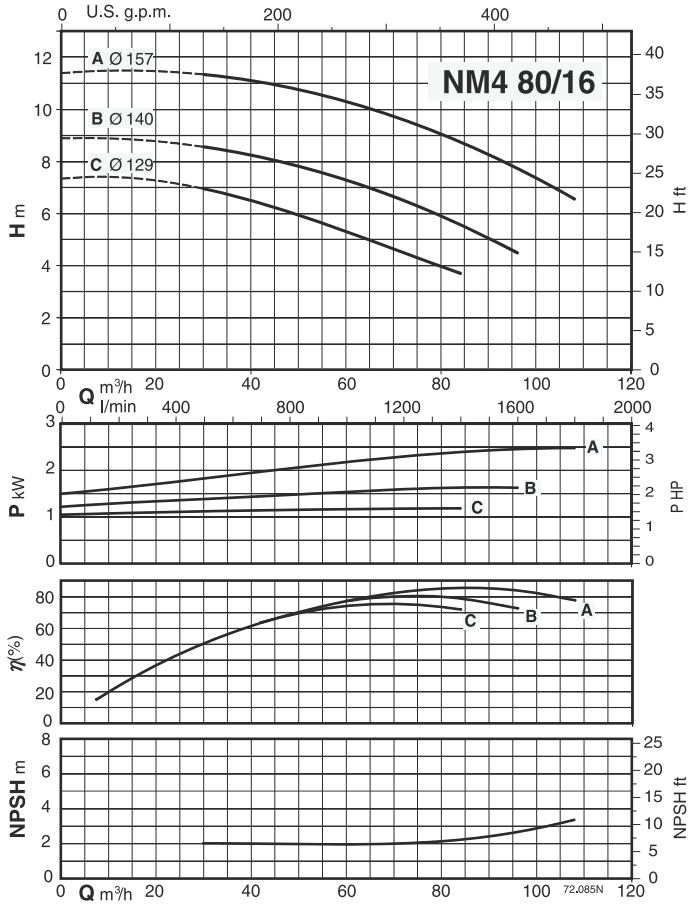
Characteristic curves - 性能曲線

$n \approx 1750 \text{ rpm}$



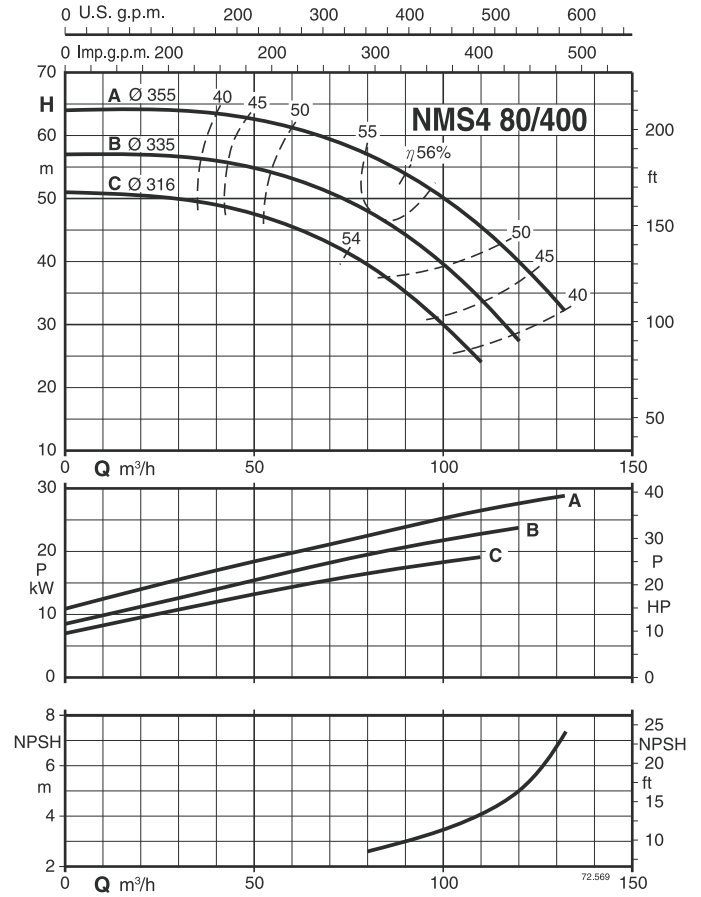
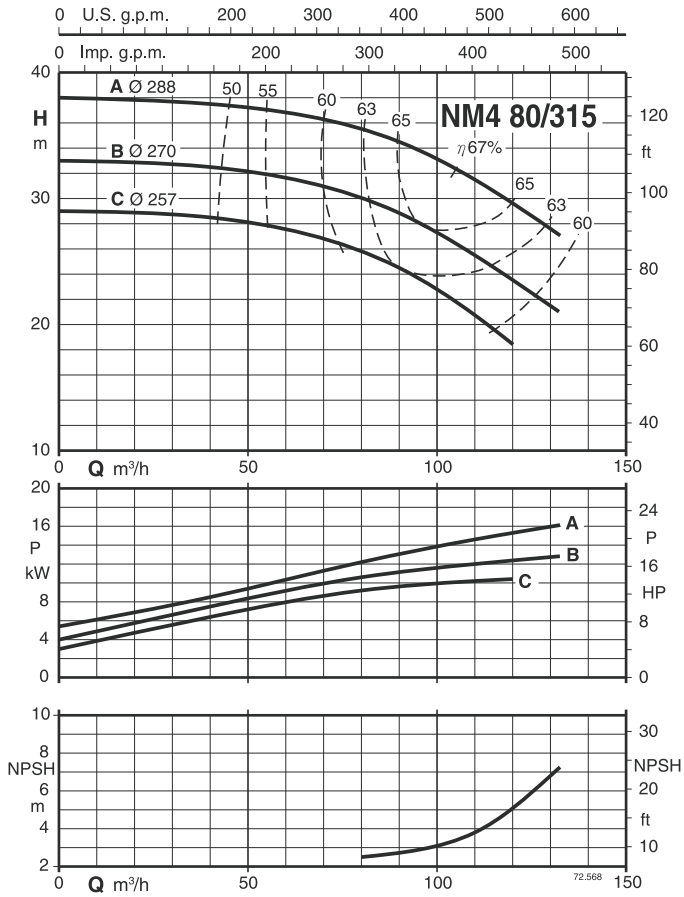
Characteristic curves - 性能曲線

$n \approx 1750\text{rpm}$



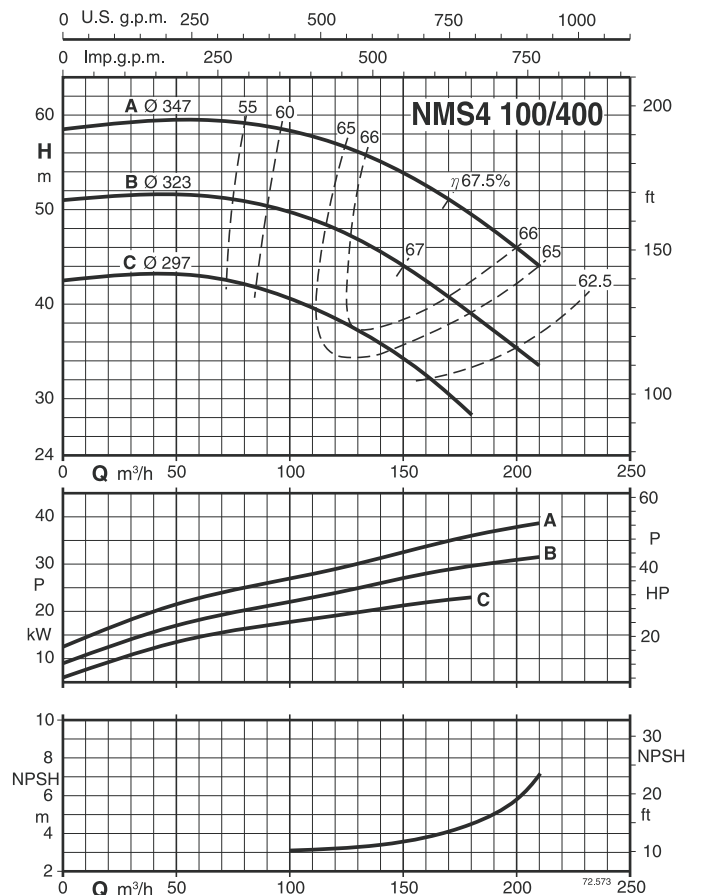
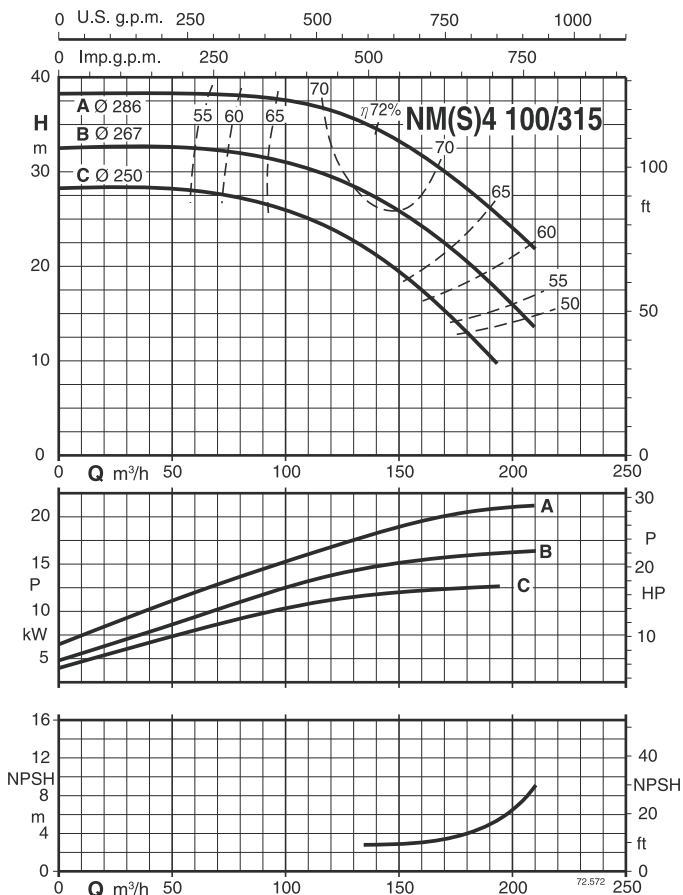
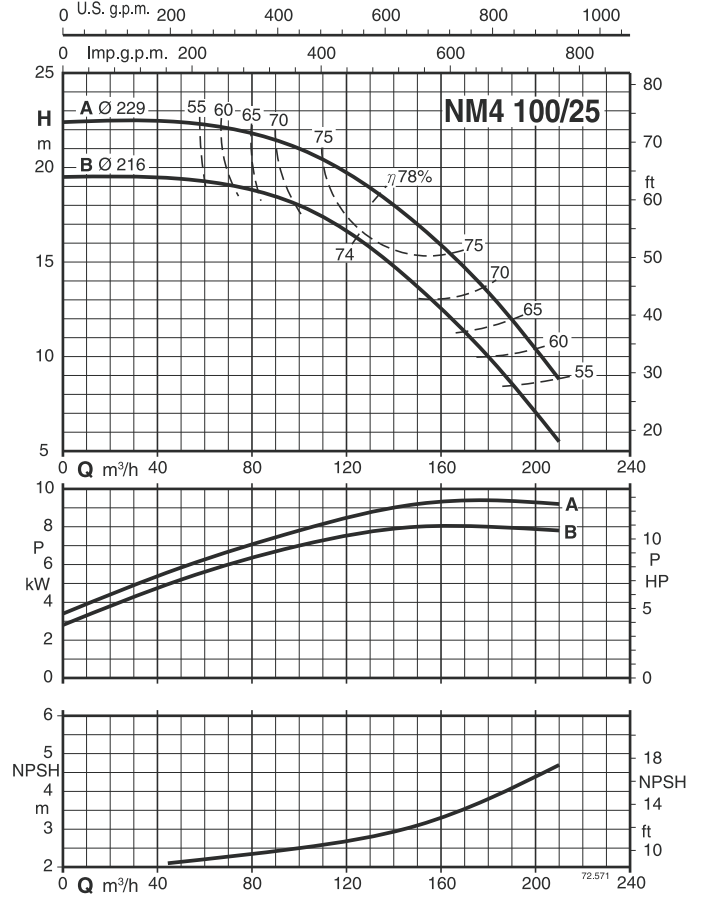
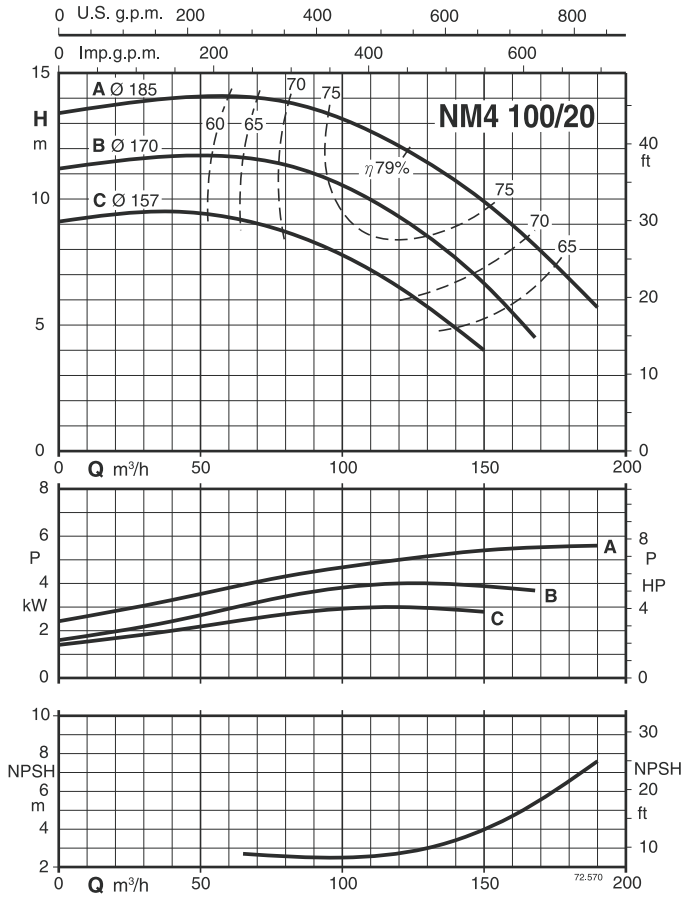
Characteristic curves - 性能曲線

$n \approx 1750 \text{ rpm}$



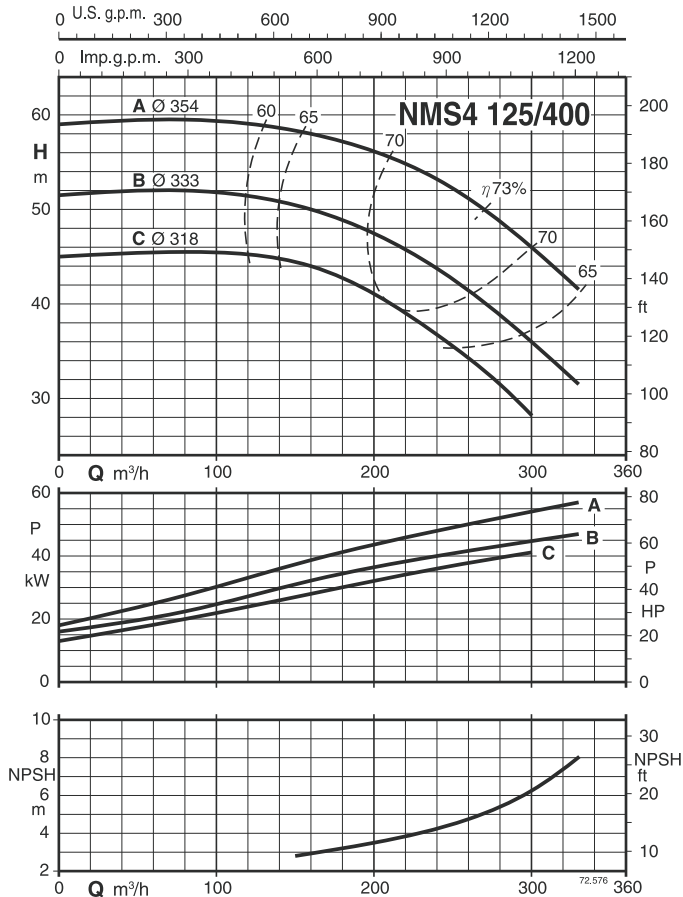
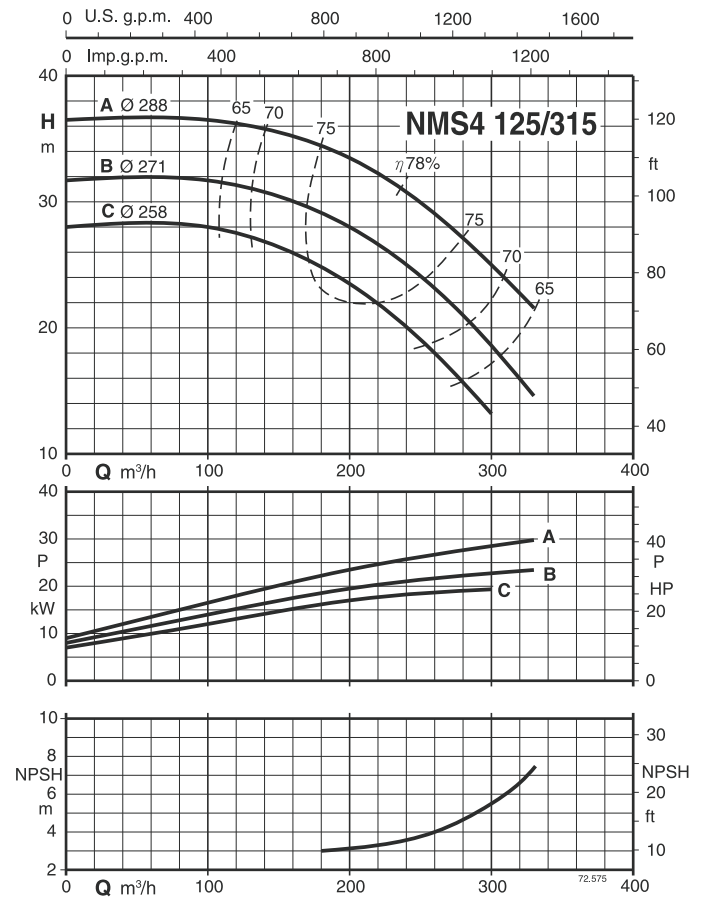
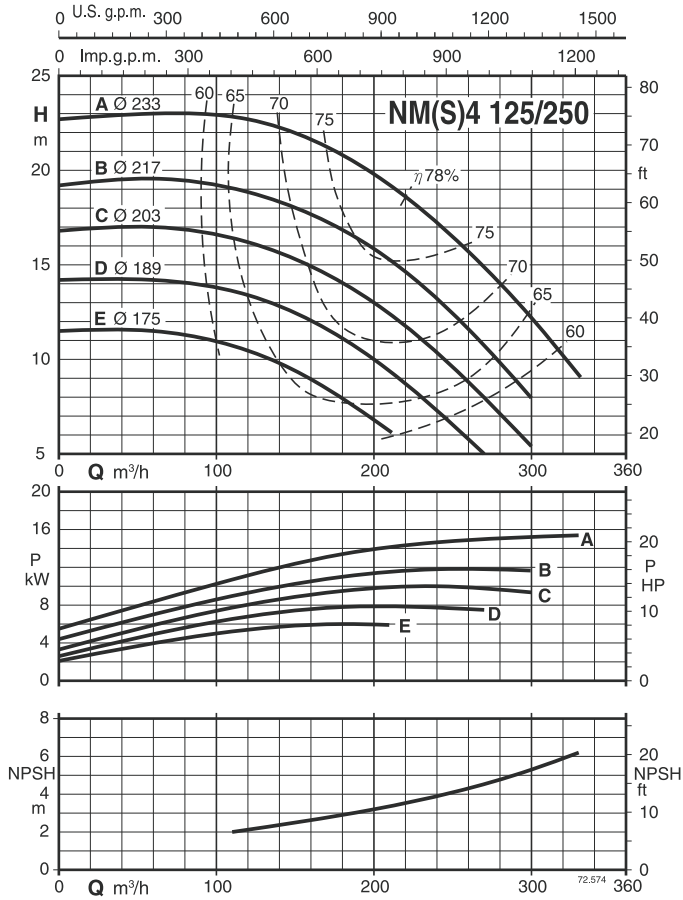
Characteristic curves - 性能曲線

$n \approx 1750\text{rpm}$



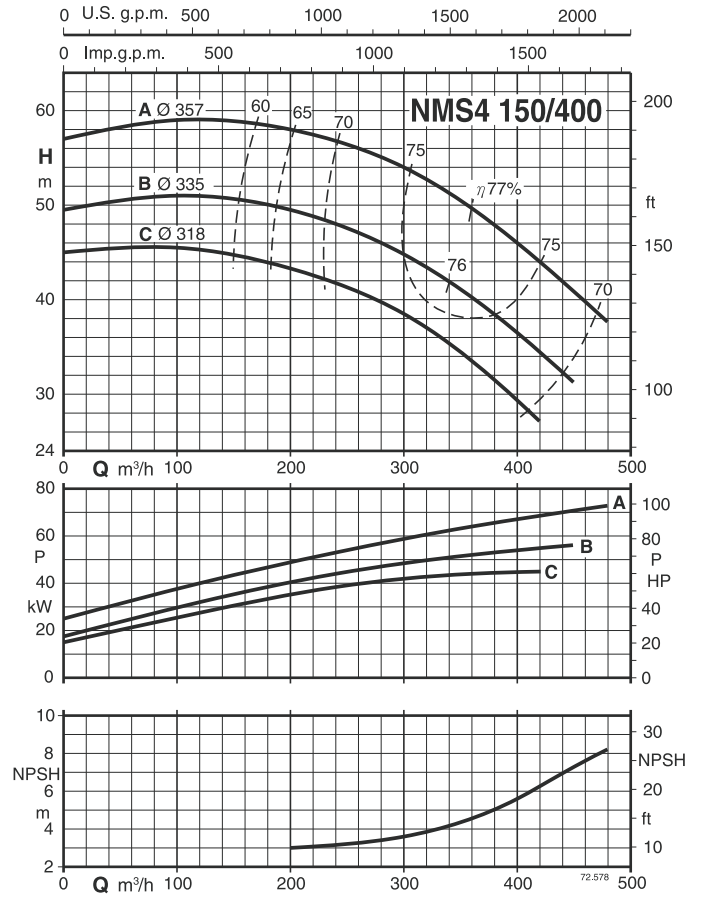
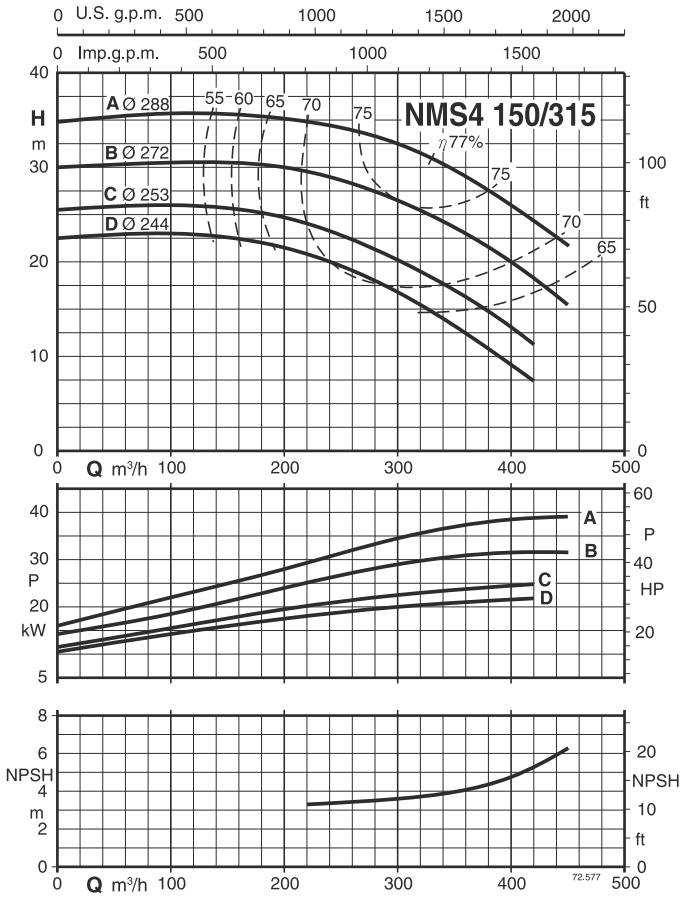
Characteristic curves - 性能曲線

$n \approx 1750 \text{ rpm}$

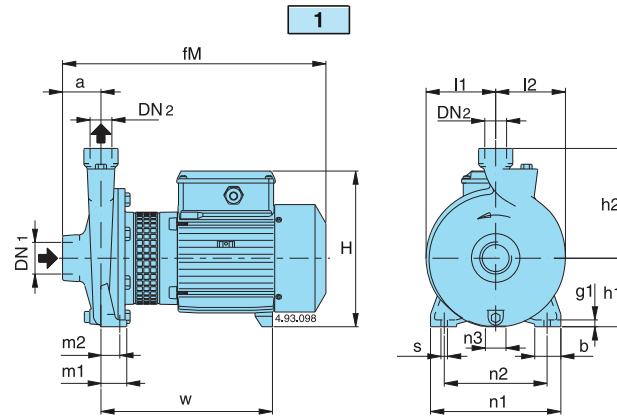


Characteristic curves - 性能曲線

$n \approx 1750\text{rpm}$



Dimensions and weights - 尺寸及重量



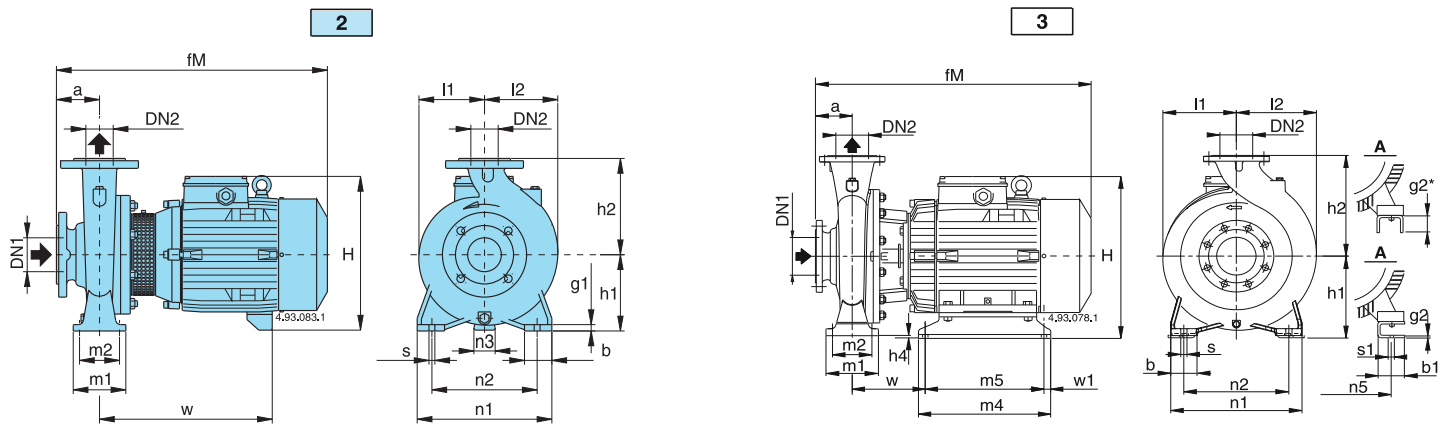
Standard construction - 標準結構

Picture 圖面	NM4	DN1	DN2	mm																kg	
				ISO	228	NPT	a	fM	h1	h2	H	m1	m2	n1	n2	n3	b	s	l1		l2
1	NM4 25/12A-60/A	G 1 1/2	G 1	✓	56	313	90	140	199	37,5	27,5	170	130	9	38	9,5	85	88	250	10	13,5
	NM4 25/160AE-60-BE-60			✓	56	380	100	160	228	37,5	27,5	190	150	30	38	9,5	102	102	250	10	17,5
	NM4 25/200B-60/A-C-60/A			✓	63	385	125	180	253	45	32,5	245	200	49	45	11,5	125	125	250	11	23-21,5
	NM4 25/200A-60/C			✓	63	425	125	180	253	45	32,5	245	200	49	45	11,5	125	125	290	11	27

Bronze construction - 青銅結構 B-NM4

Picture 圖面	B-NM4	DN1	DN2	mm																kg	
				ISO	228	NPT	a	fM	h1	h2	H	m1	m2	n1	n2	n3	b	s	l1		l2
1	B-NM4 25/160AE-60-BE-60	G 1 1/2	G 1	✓	56	380	100	160	228	37,5	27,5	190	150	30	38	9,5	102	102	250	10	19-19
	B-NM4 25/200B-60/A-C-60/A			✓	63	400	125	180	253	45	32,5	245	200	49	45	11,5	125	125	250	11	25-23
	B-NM4 25/200A-60/C			✓	63	440	125	180	253	45	32,5	245	200	49	45	11,5	125	125	250	11	29

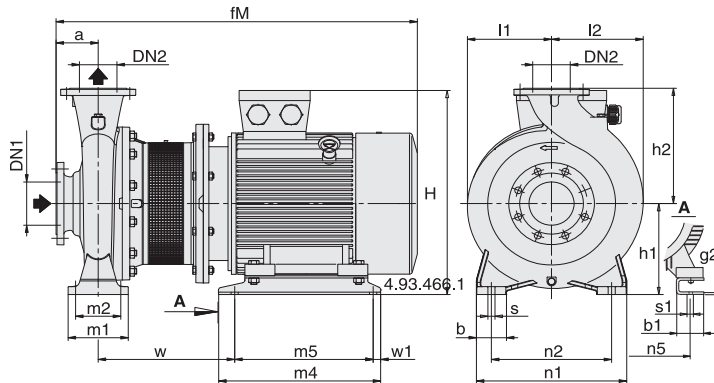
✓ NPT Version on demand - 規格依需求提供



Bronze construction - 青銅結構 B-NM4

Picture 圖面	B-NM4	mm																				kg						
		DN1	DN2	a	fM	h1	h2	H	h4	m1	m2	n1	n2	n3	n5	w1	b	b1	s	s1	l1		l2	w	w4	w5	g1	g2
2	B-NM4 32/16A-60-B-60	50	32	80	410	132	160	260	-	100	70	240	190	47	-	-	50	-	14	-	120	120	255	-	-	12	-	38-38
	B-NM4 32/20B-60	50	32	80	410	160	180	288	-	100	70	240	190	62	-	-	50	-	14	-	140	140	255	-	-	12	-	41
	B-NM4 32/20A-60/B	50	32	80	440	160	180	288	-	100	70	240	190	62	-	-	50	-	14	-	140	140	295	-	-	12	-	45
	B-NM4 40/16B-60-C-60	65	40	80	410	132	160	260	-	100	70	240	190	47	-	-	50	-	14	-	119	119	255	-	-	12	-	40-38
3	B-NM4 40/16A-60/C	65	40	80	440	132	160	260	-	100	70	240	190	47	-	-	50	-	14	-	119	119	295	-	-	12	-	43
	B-NM4 40/20A-60/A-B-60/A	65	40	100	470	160	180	288	-	100	70	265	212	62	-	-	50	-	14	-	140	140	255	-	-	12	-	55-55
3	B-NM4 40/25/B-60/B-C-60/B	65	40	100	535	190	225	318	10	125	95	320	250	-	140	15	65	54	14	10	175	175	156	205	175	-	6	73-73
	B-NM4 40/25/A-60/B	65	40	100	560	190	225	350	10	125	95	320	250	-	190	15	65	60	14	12	175	175	125	280	250	-	6	89
2	B-NM4 50/16A-60/A-B-60/A	65	50	100	470	160	180	288	-	100	70	265	212	62	-	-	50	-	14	-	127	141	255	-	-	12	-	55-55
	B-NM4 50/25/C-60/B-D-60/A	65	50	100	535	190	225	318	10	125	95	320	250	-	140	15	65	54	14	10	175	175	156	205	175	-	6	79,5
3	B-NM4 50/25/A-60/B-B-60/B	65	50	100	560	190	225	350	10	125	95	320	250	-	190	15	65	60	14	12	175	175	125	280	250	-	6	105-92
	B-NM4 65/16B-60/B-C-60/B	80	65	100	470	160	200	288	-	125	95	280	212	62	-	-	65	-	14	-	150	172	255	-	-	15	-	63-63
2	B-NM4 65/16A-60/B-S-60	80	65	100	495	160	200	306	-	125	95	280	212	62	-	-	65	-	14	-	150	172	300	-	-	15	-	71-71

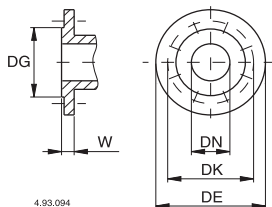
Dimensions and weights - 尺寸及重量



Bronze construction - 青銅結構 **B-NMS4**

Picture 圖面	B-NMS4	mm																				kg			
		DN1	DN2	a	fM	h1	h2	H	m1	m2	n1	n2	n3	w1	b	b1	s	s1	l1	l2	w		m4	m5	g2
4	B-NMS4 80/315A-60/A-B-60/A	100	80	125	948	250	315	457	160	120	400	315	254	20	80	60	18	15	220	232	271	435	395	6	
	B-NMS4 80/400C-60/A	125	80	125	974	280	355	542	160	120	435	355	279	25	80	70	18	15	268	268	318	520	435	6	
	B-NMS4 80/400B-60/A	125	80	125	1025	280	355	542	160	120	435	355	279	25	80	70	18	15	268	268	318	520	435	6	
	B-NMS4 80/400A-60/A	125	80	125	1025	280	355	580	160	120	435	355	318	25	80	83	18	19	268	268	334	540	455	6	
	B-NMS4 100/315B-60/A-C-60/A	125	100	140	963	250	315	457	160	120	400	315	254	20	80	60	18	15	230	250	271	435	395	6	300-282
	B-NMS4 100/315A-60/A	125	100	140	984	250	315	512	160	120	400	315	279	25	80	70	18	15	230	250	312	432	382	6	
	B-NMS4 100/400C-60/A	125	100	140	1040	280	355	542	200	150	500	400	279	25	100	70	22	15	268	280	318	520	435	6	
	B-NMS4 100/400B-60/A	125	100	140	1040	280	355	580	200	150	500	400	318	25	100	83	22	19	268	280	334	540	455	6	
	B-NMS4 100/400A-60/A	125	100	140	1139	280	355	605	200	150	500	400	356	55	100	103	22	19	268	280	384	540	460	8	
	B-NMS4 125/250A-60/A-B-60/A	150	125	140	951	250	355	457	160	120	400	315	254	20	80	60	18	15	235	268	259	435	395	6	276-261
	B-NMS4 125/315C-60/A	150	125	140	989	280	355	542	200	150	500	400	279	25	100	70	22	15	247	278	318	520	435	6	
	B-NMS4 125/315B-60/A	150	125	140	1040	280	355	542	200	150	500	400	279	25	100	70	22	15	247	278	318	520	435	6	378
	B-NMS4 125/315A-60/A	150	125	140	1040	280	355	580	200	150	500	400	318	25	100	83	22	19	247	278	334	540	455	6	
	B-NMS4 125/400C-60/A	150	125	140	1139	315	400	640	200	150	500	400	356	25	100	103	22	19	280	305	409	540	461	8	
	B-NMS4 125/400B-60/A	150	125	140	1199	315	400	640	200	150	500	400	356	25	100	103	22	19	280	305	409	540	461	8	
	B-NMS4 125/400A-60/A	150	125	140	1307	315	400	707	200	150	500	400	406	25	100	100	22	24	280	305	454	540	461	8	
	B-NMS4 150/315D-60/A	200	150	160	1009	280	400	542	200	150	550	450	279	25	100	70	22	15	260	298	318	520	435	6	
	B-NMS4 150/315C-60/A	200	150	160	1060	280	400	542	200	150	550	450	279	25	100	70	22	15	260	298	318	520	435	6	
	B-NMS4 150/315B-60/A	200	150	160	1060	280	400	580	200	150	550	450	318	25	100	83	22	19	260	298	334	540	455	6	
	B-NMS4 150/315A-60/A	200	150	160	1159	280	400	605	200	150	550	450	356	55	100	103	22	19	260	298	384	540	460	8	
B-NMS4 150/400C-60/A	200	150	160	1219	315	450	640	200	150	550	450	356	25	100	103	22	19	295	328	409	540	461	8		
B-NMS4 150/400B-60/A	200	150	160	1277	315	450	707	200	150	550	450	406	25	100	100	22	24	295	328	404	540	461	8		
B-NMS4 150/400A-60/A	200	150	160	1280	315	450	747	200	150	550	450	457	45	100	100	22	24	295	328	432	625	535	6		

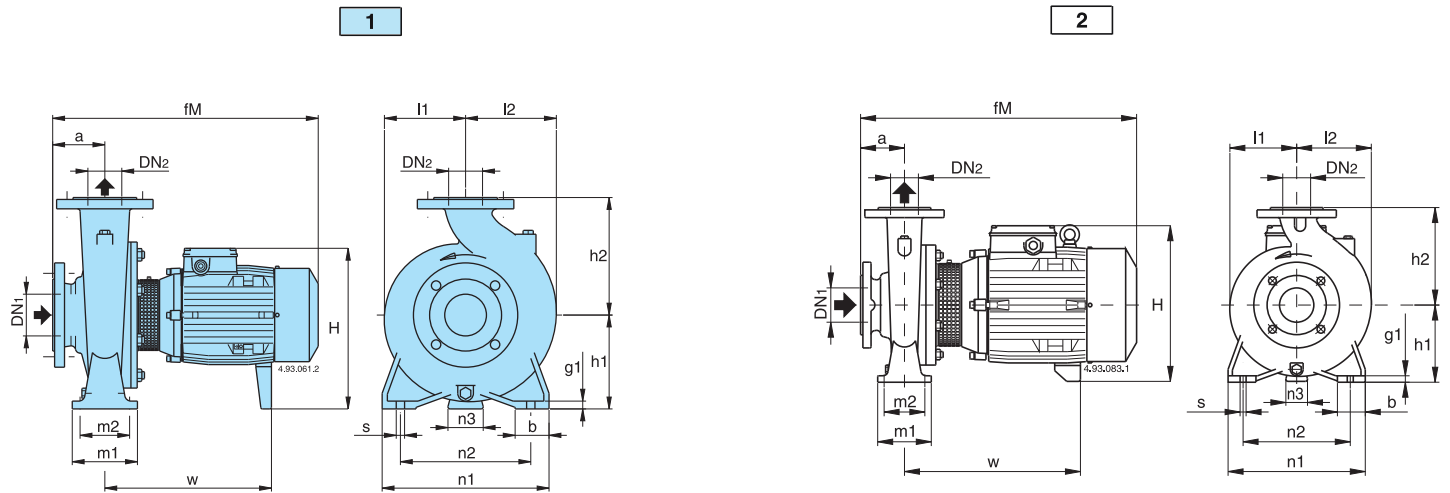
Flanges - 法蘭 EN 1092-2



4.93.094

mm						
DN	DG	DK	DE	Holes 孔徑	N°	Ø
32	76	100	140	4	19	18
40	84	110	150	4	19	18
50	99	125	165	4	19	20
65	118	145	185	4	19	20
80	132	160	200	8	19	22
100	156	180	220	8	19	24
125	184	210	250	8	19	24
150	211	240	285	8	23	26
200	266	295	340	8	23	30

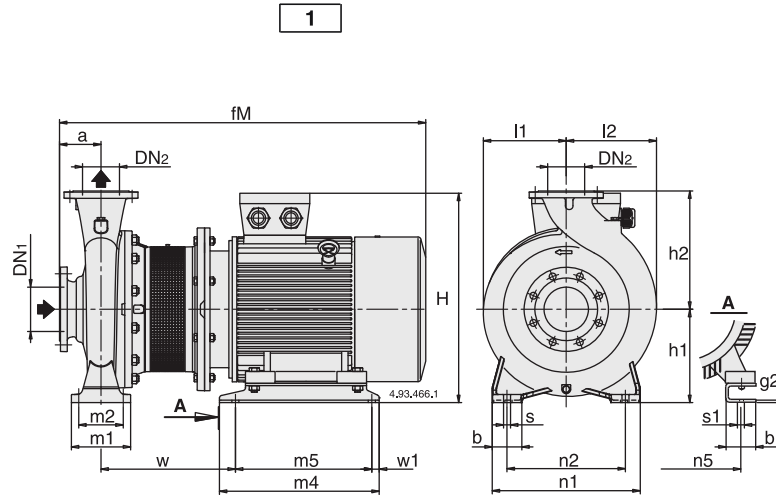
Dimensions and weights - 尺寸及重量



Standard construction - 標準結構

Picture 圖面	NM4	mm																				kg						
		DN1	DN2	a	fM	h1	h2	H	h4	m1	m2	n1	n2	n3	n5	w1	b	b1	s	s1	l1	l2	w	m4	m5	g1	g2	
1	NM4 32/16AE-60-BE-60	50	32	80	410	132	160	260	-	100	70	240	190	47	-	-	50	-	14	-	120	120	255	-	-	12	-	30,5-30
	NM4 32/20A-60/A-BE-60	50	32	80	410	160	180	288	-	100	70	240	190	62	-	-	50	-	14	-	140	140	255	-	-	12	-	38-34,5
	NM4 40/16A-60/B-B-60/A-C-60/A	65	40	80	410	132	160	268	-	100	70	240	190	47	-	-	50	-	14	-	119	119	255	-	-	12	-	37-33-31
	NM4 40/20A-60/A-B-60/A	65	40	100	470	160	180	288	-	100	70	265	212	62	-	-	50	-	14	-	140	140	255	-	-	12	-	41-40,5
	NM4 40/25B-60/B-C-60/B	65	40	100	495	180	225	308	-	125	95	320	250	60	-	-	65	-	14	-	175	175	300	-	-	15	-	66,5-62
	NM4 40/25A-60/B				525			340															330					
	NM4 50/16A-60/B-B-60/B	65	50	100	470	160	180	288	-	100	70	265	212	62	-	-	50	-	14	-	127	141	255	-	-	12	-	40-39,5
	NM4 50/20C-60/B	65	50	100	480	160	200	288	-	100	70	265	212	62	-	-	50	-	14	-	140	153	265	-	-	14	-	44,5
	NM4 50/20A-60/B-B-60/B				505			60						310									57-52,5					
	NM4 50/25C-60/B-D-60/A	65	50	100	490	180	225	308	-	125	95	320	250	60	-	-	65	-	14	-	175	175	300	-	-	15	-	68
	NM4 50/25A-60/B-B-60/B				530			340															330					
	NM4 65/16B-60/B-C-60/B	80	65	100	470	160	200	288	-	125	95	280	212	62	-	-	65	-	14	-	150	172	255	-	-	15	-	43,5-43
	NM4 65/16A-60/B-S-60				495			60						300									49,5-55					
	NM4 65/20B-60/A	80	65	100	505	180	225	308	-	125	95	320	250	60	-	-	65	-	14	-	155	175	310	-	-	15	-	61
	NM4 65/20A-60/A				525			340															330					
	NM4 65/25B-60/A	80	65	100	540	200	250	360	-	160	120	360	280	60	-	-	80	-	18	-	175	190	345	-	-	18	-	97
	NM4 65/25A-60/B				645			385															405					
	NM4 65/31C-60/B	80	65	125	670	225	280	410	-	160	120	400	315	75	-	-	80	-	18	-	220	220	405	-	-	20	-	164-153
	NM4 65/31A-60/B-B-60/B				745			465															465					
	NM4 80/16C-60/B	100	80	125	495	180	225	288	-	125	95	320	250	62	-	-	65	-	14	-	165	193	255	-	-	15	-	50,5
NM4 80/16A-60/B-B-60/B	520				308			300															59,5-56					
NM4 80/20C-60/A	100	80	125	540	180	250	308	-	125	95	345	280	60	-	-	65	-	14	-	170	194	320	-	-	15	-	74,5	
NM4 80/20A-60/A-B-60/A				560			340															340						91-82
NM4 80/25C-60/A	100	80	125	565	200	280	360	-	160	120	400	315	60	-	-	80	-	18	-	191	210	335	-	-	20	-	102	
NM4 80/25B-60/B				670			385															335						124
NM4 80/25A-60/B				745			385															465						135
NM4 80/31C-60/B	100	80	125	745	250	315	435	-	160	120	400	315	90	-	-	80	-	18	-	220	232	465	-	-	20	-	181	
2	NM4 80/31A-60-B-60	100	80	125	787	260	315	466	10	160	120	400	315	-	254	20	80	74	18	14	220	232	147	435	395	-	6	269-248
1	NM4 100/20B-60/A-C-60/A	125	100	125	565	200	280	360	-	160	120	360	280	60	-	-	80	-	18	-	180	212	330	-	-	20	-	99-90
	NM4 100/20A-60/B				665			385															400					
2	NM4 100/25A-60/B-B-60/B	125	100	140	760	225	280	410	-	160	120	400	315	75	-	-	80	-	18	-	205	233	465	-	-	20	-	152-143
2	NM4 100/31B-60-C-60	125	100	140	802	260	315	466	10	160	120	400	315	-	254	20	80	74	18	14	230	250	147	435	395	-	6	280-261
1	NM4 125/25E-60/B	150	125	140	685	250	355	435	-	160	120	400	315	90	-	-	80	-	18	-	235	268	405	-	-	20	-	149
	NM4 125/25C-60/B-D-60/B				735			465															465					
2	NM4 125/25A-60-B-60	150	125	140	802	260	355	466	10	160	120	400	315	-	254	20	80	74	18	14	235	268	147	435	395	-	6	261-243

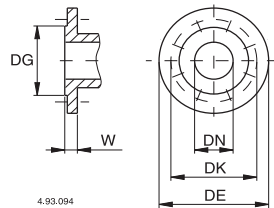
Dimensions and weights - 尺寸及重量



Standard construction - 標準結構

Picture 圖面	NMS4	mm																				kg			
		DN1	DN2	a	fM	h1	h2	H	m1	m2	n1	n2	n5	w1	b	b1	s	s1	l1	l2	w		m4	m5	g2
1	NMS4 80/400C-60/A	125	80	125	974	280	355	542	160	120	435	355	279	25	80	70	18	15	268	268	318	520	435	6	339
	NMS4 80/400B-60/A	125	80	125	1025	280	355	542	160	120	435	355	279	25	80	70	18	15	268	268	318	520	435	6	355
	NMS4 80/400A-60/A	125	80	125	1025	280	355	580	160	120	435	355	318	25	80	83	18	19	268	268	334	540	455	6	413
	NMS4 100/315A-60/A	125	100	140	984	250	315	512	160	120	400	315	279	25	80	70	18	15	230	250	312	432	382	6	308
	NMS4 100/400C-60/A	125	100	140	1040	280	355	542	200	150	500	400	279	25	100	70	22	15	268	280	318	520	435	6	366
	NMS4 100/400B-60/A	125	100	140	1040	280	355	580	200	150	500	400	318	25	100	83	22	19	268	280	334	540	455	6	419
	NMS4 100/400A-60/A	125	100	140	1139	280	355	605	200	150	500	400	356	55	100	103	22	19	268	280	384	540	460	8	506
	NMS4 125/315C-60/A	150	125	140	989	280	355	542	200	150	500	400	279	25	100	70	22	15	247	278	318	520	435	6	331
	NMS4 125/315B-60/A	150	125	140	1040	280	355	542	200	150	500	400	279	25	100	70	22	15	247	278	318	520	435	6	350
	NMS4 125/315A-60/A	150	125	140	1040	280	355	580	200	150	500	400	318	25	100	83	22	19	247	278	334	540	455	6	409
	NMS4 125/400C-60/A	150	125	140	1139	315	400	640	200	150	500	400	356	25	100	103	22	19	280	305	409	540	461	8	524
	NMS4 125/400B-60/A	150	125	140	1199	315	400	640	200	150	500	400	356	25	100	103	22	19	280	305	409	540	461	8	-
	NMS4 125/400A-60/A	150	125	140	1307	315	400	707	200	150	500	400	406	25	100	100	22	24	280	305	454	540	461	8	665
	NMS4 150/315D-60/A	200	150	160	1009	280	400	542	200	150	550	450	279	25	100	70	22	15	260	298	318	520	435	6	349
	NMS4 150/315C-60/A	200	150	160	1060	280	400	542	200	150	550	450	279	25	100	70	22	15	260	298	318	520	435	6	374
	NMS4 150/315B-60/A	200	150	160	1060	280	400	580	200	150	550	450	318	25	100	83	22	19	260	298	334	540	455	6	421
NMS4 150/315A-60/A	200	150	160	1159	280	400	605	200	150	550	450	356	55	100	103	22	19	260	298	384	540	460	8	501	
NMS4 150/400C-60/A	200	150	160	1219	315	450	640	200	150	550	450	356	25	100	103	22	19	295	328	409	540	461	8	594	
NMS4 150/400B-60/A	200	150	160	1277	315	450	707	200	150	550	450	406	25	100	100	22	24	295	328	404	540	461	8	681	
NMS4 150/400A-60/A	200	150	160	1280	315	450	747	200	150	550	450	457	45	100	100	22	24	295	328	432	625	535	6	845	

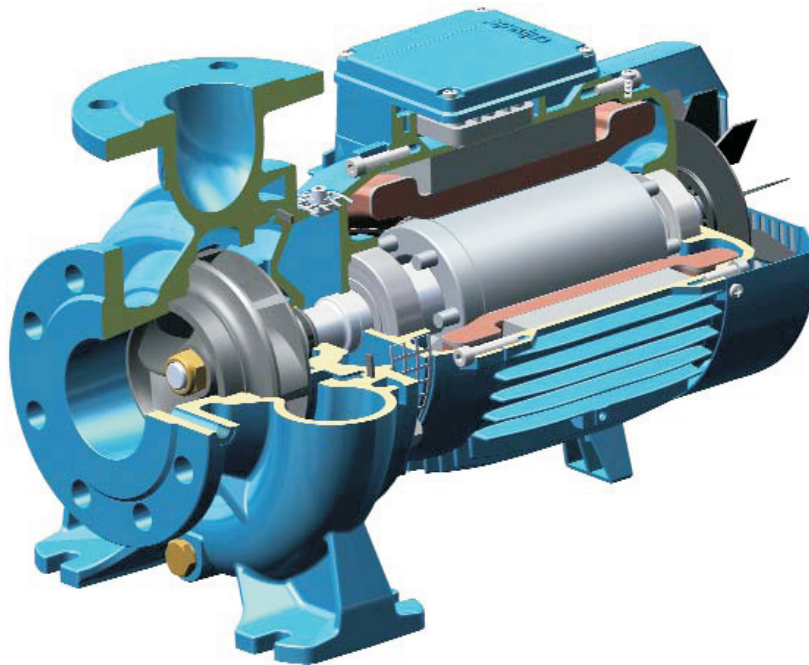
Flanges - 法蘭 EN 1092-2



mm						
DN	DG	DK	DE	Holes 孔徑 N°	Ø	W
32	76	100	140	4	19	18
40	84	110	150	4	19	18
50	99	125	165	4	19	20
65	118	145	185	4	19	20
80	132	160	200	8	19	22
100	156	180	220	8	19	24
125	184	210	250	8	19	24
150	211	240	285	8	23	26
200	266	295	340	8	23	30

Features - 特色

NM4



Cutting edge hydraulics

The geometry of the impeller and the pump casing are optimized to achieve maximum efficiency and the best suction capability.

Flexibility

The option to choose between cast iron and bronze materials for the hydraulic parts in contact with the pumped liquid allows NM4 series pumps to be selected for use with different types of liquids.

Compact Design

The compact design allows for easy installation even in confined spaces.

Exclusive design

An innovative, patented guard prevents contact with rotating parts, proving protection to the end user whilst allowing for inspection of the mechanical seal.

Reliability

The bearing and shaft are designed to ensure the reduction of the stress, providing high reliability under all operating conditions.

完美幾何切割

葉片與泵浦外殼的完美幾何切割，將效率及吸入流量提高至最佳狀態。

靈活性

泵殼與葉片提供鑄鐵與銅質做搭配，使得NM4系列的泵浦可在不同流體做多樣性應用。

簡潔設計

簡潔設計，即使在狹窄空間仍易於安裝。

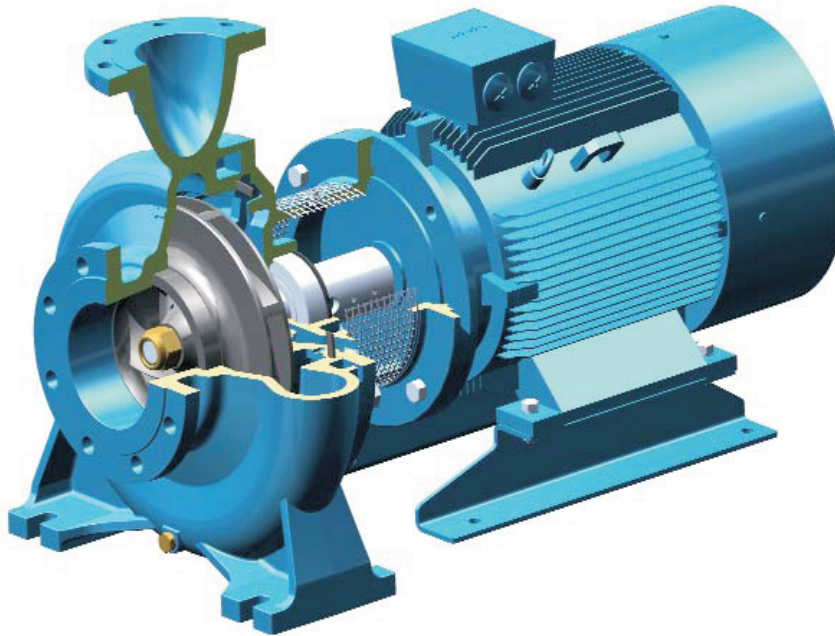
獨家設計

創新與專利的保證，預防與轉動零件之接觸並提供使用者自行檢查機械軸封。

可靠

軸心的設計可確保軸承的壓力減少，在所有操作條件下提供更高的可靠性。

NMS4



Cutting edge hydraulics

The geometry of the impeller and the pump casing are optimized to achieve maximum efficiency and the best suction capability.

Flexibility

The option to choose between cast iron and bronze materials for the hydraulic parts in contact with the pumped liquid allows NMS4 series pumps to be selected for use with different types of liquids.

New lantern bracket construction

The lantern brackets incorporate a thrust bearing on the hydraulic side which guarantees the elimination of additional loads on the motor bearings. The flange is sized to be used with standard motors B35.

Exclusive design

An innovative, patented guard prevents contact with rotating parts, proving protection to the end user whilst allowing for inspection of the mechanical seal.

Simplified motor maintenance

The presence of the thrust bearing on the hydraulic side makes it easier to remove the motor, facilitating maintenance operations and eliminating the risks of damage to the hydraulic parts.

完美幾何切割

葉片與泵浦外殼的完美幾何切割，將效率及吸入流量提高至最佳狀態。

靈活性

泵殼與葉片提供鑄鐵與銅質做搭配，使得NMS4系列的泵浦可在不同流體做多樣性應用。

新型托架結構

托架與液壓端上的止推軸承確保減少附加在馬達軸承上的重量。法蘭為標準馬達B35搭配之尺寸。

獨家設計

創新與專利的保證，預防與轉動零件之接觸並提供使用者自行檢查機械軸封。

馬達維護簡易

於液壓端上的止推軸承讓移動馬達及維護操作更加容易，進而減少液壓零件之損壞風險。