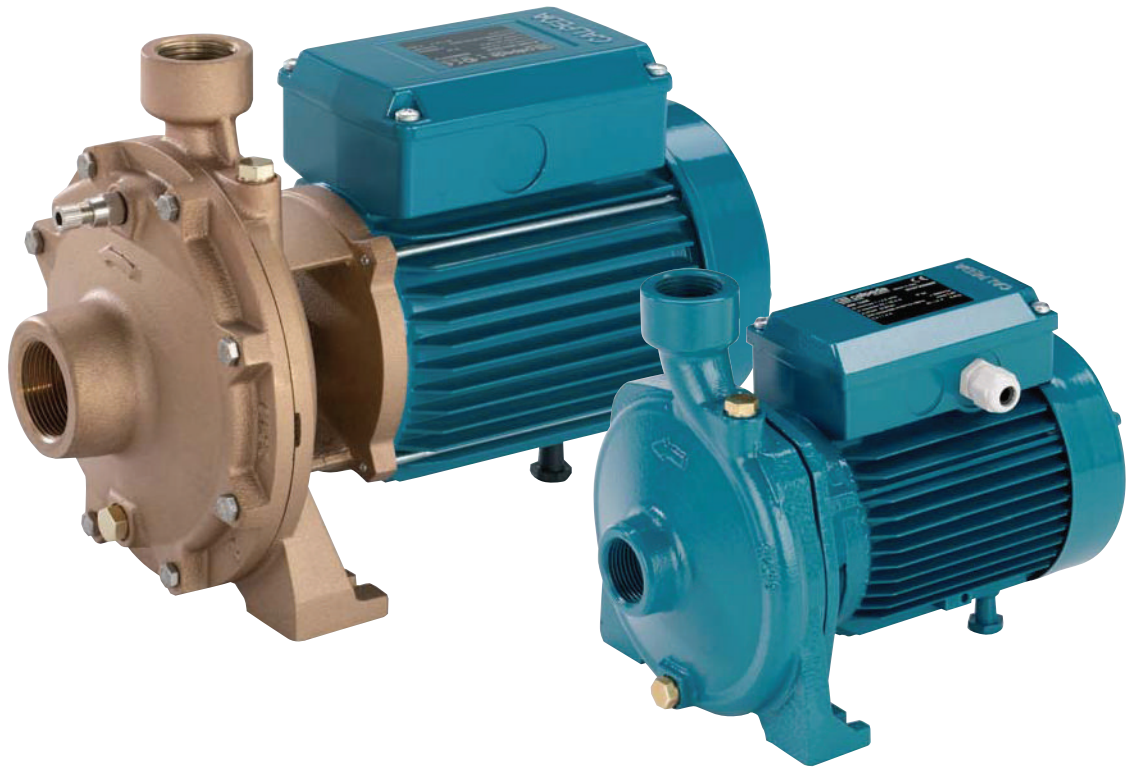


# NM, NMD 60 Hz

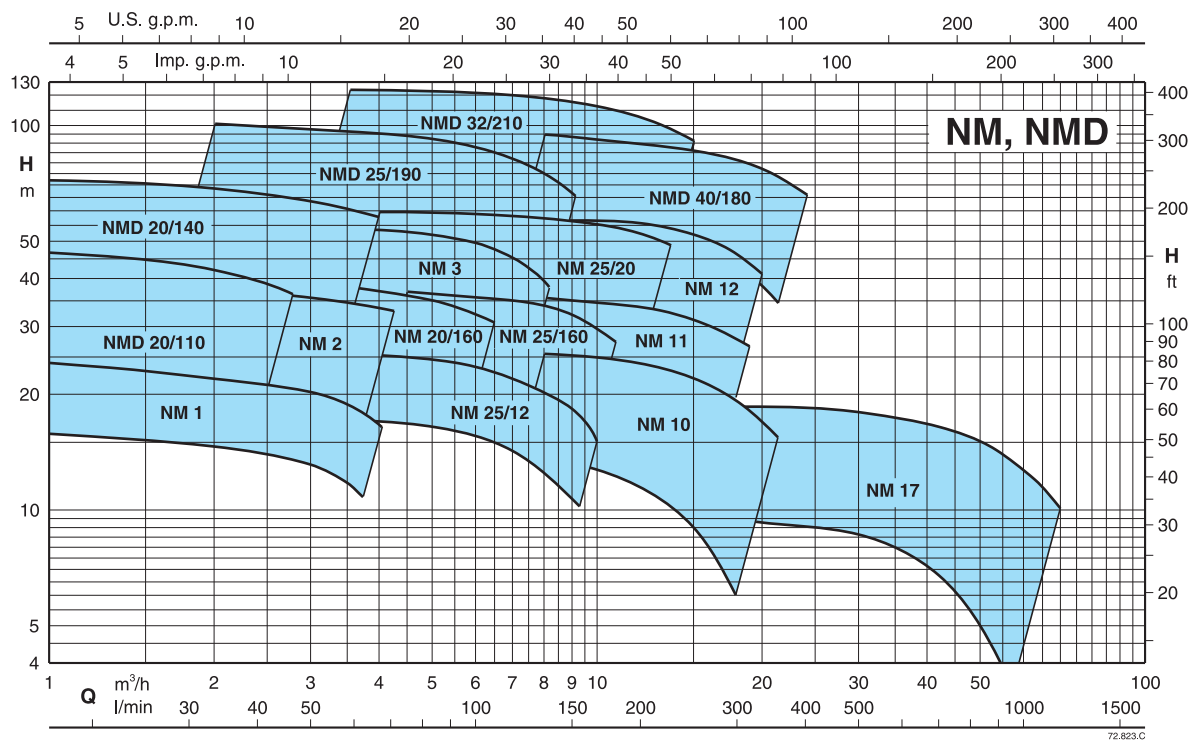


Close Coupled Centrifugal Pumps with threaded ports  
直結離心式泵浦 牙口



Coverage chart - 性能總表

n ≈ 3450 rpm



# NM, NMD 60 Hz



## Construction

Close-coupled, centrifugal pumps; electric motor with extended shaft directly connected to the pump.

**NM:** single-impeller

**NMD:** with two back-to-back impellers (with axial thrust balancing).

**Connections:** threaded ports **ISO 228/1**.

threaded ports **NPT** (ANSI/ASME B1.20.1) on request

NM, NMD: version with pump casing and lantern bracket in cast iron.

B-NM, B-NMD: version with pump casing and lantern bracket in bronze. (the pumps are supplied fully painted).

## Applications

- For clean liquids without abrasives, which are, non-aggressive for the pump materials (solids content up to 0.2%).
- For water supply.
- For heating, air-conditioning, cooling and circulation plants.
- For civil and industrial applications.
- For fire fighting applications.
- 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 pumps NMD 25/190; NMD 32/210; NMD 40/180).

Continuous duty.

## Motor

2-pole induction motor, 60 Hz (n  $\approx$  3450 rpm).

**NM, NMD:** three-phase 220/380 V, 220/440 V, up to 3 kW; 380/660 V, from 4 to 9.2 kW;

**NMM, NMDM:** single-phase 110 V, 127 V, 220 V, 110/220 V.

With thermal protector up to 1.1 kW only 220V.

Insulation class F.

Protection IP 54.

Motor suitable for operation with frequency converter from 2,2 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.

EN 60335-1, EN 60335-2-41.

## 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 1,5 kW.

## Materials

Components	NM, NMD	B-NM, B-NMD
Pump casing	Cast iron	Bronze
Lantern bracket	GJL 200 EN 1561	G-Cu Sn 10 EN 1982
Impeller	Brass P-Cu Zn 40 Pb 2 UNI 5705	
	NM 17	
	Cast iron	Bronze
	GJL 200 EN 1561	G-Cu Sn 10 EN 1982
Shaft	Cr steel AISI 430	Cr Ni Mo steel AISI 316
	Cr Ni steel AISI 303 1,1 -1,5 - 2,2 kW	
Mechanical seal	Carbon - Ceramic - NBR	

## 結構

直結離心式泵浦：電動馬達軸心直接連接泵浦。

**NM**：單段式葉片。

**NMD**：雙段背對背式葉片(軸心平衡插入)。

**接口**：牙口，依據**ISO 228/1**

牙口依據**NPT**(ANSI/ASME B1.20.1)依需求供應。

NM, NMD：泵浦外殼及托架為鑄鐵

B-NM, B-NMD：泵浦外殼及托架為青銅，泵浦整體烤漆，適合於海水應用。

## 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

泵浦可承受之最大壓力值：10bar

(NMD 25/190; NMD 32/210; NMD 40/180之泵浦為16bar)

連續運轉

## 馬達

2極感應馬達，60Hz(n=3450rpm)

**NM, NMD**：三相220/380V，220/440V，至3kW  
380/660V，4至9.2kW

**NMM, NMDM**：單相110V，127V，220V，110/220V

1.1kW以下，僅有220V配置過熱保護器。

絕緣等級：F

保護等級：IP54

馬達適用於2.2kW以上之變頻器運作

**三相馬達0.75kW至5.5kW為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

EN 60335-1，EN 60335-2-41之規範。

## 特殊需求

- 其他電壓
- 保護等級IP55
- 特殊軸封
- 更高/低之液體或周遭溫度
- 馬達用於1.5kW以下之變頻器

## 材質

零件	NM, NMD	B-NM, B-NMD
泵浦外殼	鑄鐵	青銅
托架	GJL 200 EN 1561	G-Cu Sn 10 EN 1982
葉片	青銅 P-Cu Zn 40 Pb 2 UNI 5705	
	NM 17	
	鑄鐵	青銅
	GJL 200 EN 1561	G-Cu Sn 10 EN 1982
軸心	不鏽鋼 AISI 430	不鏽鋼 AISI 316
	不鏽鋼 AISI 303 1,1 -1,5 - 2,2 kW	
軸封	碳精 - 陶瓷 - NBR	

## Performance - 性能

n ≈ 3450rpm

	NM	P <sub>2</sub>		Q m <sup>3</sup> /h														
		kW	HP		l/min													
				1	1,2	1,5	1,89	2,4	3	3,6	4,2	4,8	5,4	6	6,6	7,5	8,4	
					16	20	25	31,5	40	50	60	70	80	90	100	110	125	140
	NM 1/AE-60●	0,37	0,5	H m	22	21,8	21,5	21	20,6	19,4	18,1	16,3	14,2					
	NM 1/S-60●	0,45	0,6		26	25,9	25,6	25,2	24,6	23,8	22,7	21,3	19,5					
	NM 2/B-60/A●	0,55	0,75		27	26,5	26	25,5	25	24	23	22	20					
	NM 2/S-60/A●	0,55	0,75		32	31,5	31	30,5	30	28	25,5	23	19,5					
	NM 2/A-60/A●	0,75	1		36	35,5	35	34,5	34	32,5	31,5	30	28,5	27				
	NMM 3/CE-60	1,1	1,5			39,5	39	39	38	37	36,5	35	33,5					
	NM 3/CE-60	1,1	1,5			40	39,5	39,5	39	38	37	36	34	32*	29*			
	NMM 3/BE-60	1,5	2			45,5	45	45	44,5	44	43	42	41	39*	36*	32*		
	NM 3/BE-60	1,5	2			47	46,5	46	45,5	45	44,5	43,5	42	40*	37*	33,5*	28*	
	NMM 3/A-60	1,8	2,5			51,5	51,3	51	51	51	50,5	50	49	46,5	44	41	35,5	28,5
	NM 3/A-60/A	2,2	3			55,5	55	54,5	54	53,5	53	52,5	52	51*	49*	46,5*	42*	35*

B-NM B-NMD	NM NMD	P <sub>2</sub>		Q m <sup>3</sup> /h														
		kW	HP		l/min													
				1	1,2	1,5	1,89	2,4	3	3,6	4,2	4,8	5,4	6	6,6	7,5	8,4	
					16	20	25	31,5	40	50	60	70	80	90	100	110	125	140
B-NMD 20/110B-60/A●	NMD 20/110B-60/A●	0,45	0,6	H m	36,5	35,5	34	32	28,5	24	19*							
B-NMD 20/110Z-60/A●	NMD 20/110Z-60/A●	0,55	0,75		41	40	38	36	32,5	28	23	17*						
B-NMD 20/110A-60/A●	NMD 20/110A-60/A●	0,75	1		47	46,5	45	42,5	39	34	29	23,5*						
B-NMDM 20/140BE-60	NMDM 20/140BE-60	1,1	1,5		59	58,5	58	57	55	52	47,5							
B-NMD 20/140BE-60	NMD 20/140BE-60	1,1	1,5		60	59,5	59	58	56	53	49	45						
B-NMDM 20/140AE-60	NMDM 20/140AE-60	1,5	2		66,5	65,5	65	64	62,5	60	57,5	55	51	47,5				
B-NMD 20/140AE-60	NMD 20/140AE-60	1,5	2		77	76,5	76	75	73,5	71	69	66	63	59	54			
B-NM 20/160BE-60●	NM 20/160BE-60●	0,75	1					33	33	32	31	30	28,5	26,5	25	23*		
B-NM 20/160AE-60●	NM 20/160AE-60●	1,1	1,5					39	38,5	38	37	36	35	34	33	31*		

B-NM B-NMD	NM NMD	P <sub>2</sub>		Q m <sup>3</sup> /h															
		kW	HP		l/min														
				2,4	3	3,6	4,8	6	6,6	7,5	8,4	9,6	10,8	12	13,2	15	16,8	18	
					40	50	60	80	100	110	125	140	160	180	200	220	250	280	300
B-NM 25/12B-60/A●	NM 25/12B-60/A●	0,55	0,75	H m	20,8	20,8	20,7	20,3	19,6	19,2	18,4	17,6	16,1	14,3	12	9,3			
B-NM 25/12A-60/A●	NM 25/12A-60/A●	0,75	1		24,5	24,6	24,6	24,3	23,6	23,1	22,4	21,6	20,4	19	17	14,5			
B-NM 25/160BE-60●	NM 25/160BE-60●	1,1	1,5			32	31,5	31	30	29	28	26,5	23,5*						
B-NM 25/160AE-60●	NM 25/160AE-60●	1,5	2			38	37,5	37	36	35,5	34,5	33	31	27,5	22,5*				
B-NM 25/200B-60/B	NM 25/20B-60/B	2,2	3		44,6	44,4	44,1	43,6	43	42,6	42	41,4	40,3	39	37,4	35,4	31,5		
B-NM 25/200A-60/B	NM 25/20A-60/B	3	4		52,3	52,1	52	51,6	51,1	50,8	50,3	49,8	48,9	48	46,8	45,3	42,3	38,2	
B-NM 25/200S-60/B	NM 25/20S-60/B	4	5,5		60,5	60,4	60,2	59,8	59,2	59	58,5	58	57,3	56,5	55,6	54,4	48,4	48,4	45,2
B-NMD 25/190C-60/A	NMD 25/190C-60/A	2,2	3		69	67	65	60	53	50	42								
B-NMD 25/190B-60/A	NMD 25/190B-60/A	3	4		81	80	78	73	67,5	64	58	51,5	41*						
B-NMD 25/190A-60/A	NMD 25/190A-60/A	4	5,5		98	97	95	92	87	84	79	72,5	63*						

	NM	P <sub>2</sub>		Q m <sup>3</sup> /h														
		kW	HP		l/min													
				6,6	7,5	8,4	9,6	10,8	12	13,2	15	16,8	18,9	21	24	27	30	
					110	125	140	160	180	200	220	250	280	315	350	400	450	500
	NM 10/FE-60●	0,55	0,75	H m	17	16,8	16,5	15,9	15,3	14,5	13,6	12,1						
	NM 10/DE-60●	0,75	1		18,8	18,5	18,3	17,8	17,2	16,5	15,8	14,4						
	NM 10/AE-60●	1,1	1,5		24,3	24,1	23,8	23,4	22,8	22,2	21,4	20,1						
	NM 10/SE-60●	1,5	2		25,2	25	24,8	24,3	23,8	23,2	22,5	21,2	19,7	17,8	15,6	12		
	NMM 11/BE-60	1,5	2		29,5	29	28,5	28	27	26	25	22,5	20					
	NM 11/BE-60	1,5	2		31	30,5	30	29,5	29	28	27	25	23*					
	NM 11/A-60/A	2,2	3		36,5	36	35,5	35	34	33	32,5	31	29*					
	NM 12/D-60/A	2,2	3		39	38	37,5	36,5	35	34	32*							
	NM 12/C-60/A	3	4		45	44,5	44	43	42	41	40	37	34*					
	NM 12/A-60/A	4	5,5		57	56,5	56	55,5	55	54	53	51	49*					

## Performance - 性能

n ≈ 3450rpm

B-NMD	NMD	P <sub>2</sub>		Q m³/h l/min	5,4	6	6,6	7,5	8,4	9,6	10,8	12	13,2	15	16,8	18,9	21	24	
		kW	HP		90	100	110	125	140	160	180	200	220	250	280	315	350	400	
B-NMD 32/210D-60/A	NMD 32/210D-60/A	4	5,5	H m	68	67	65	63	60	55	50	45	40*						
B-NMD 32/210C-60/A	NMD 32/210C-60/A	5,5	7,5		89	88	87	85	83	79	74	68	63	52*					
B-NMD 32/210B-60/A	NMD 32/210B-60/A	7,5	10		110	109	108	106	104	100	96	91	86	78*					
B-NMD 32/210A-60/A	NMD 32/210A-60/A	9,2	12,5		121	120	119	118	117	114	110	105	99	89*					
B-NMD 40/180D-60/A	NMD 40/180D-60/A	4	5,5					60	58,5	57	55,5	53,5	51,5	47,5	43,5	38,5	33,5		
B-NMD 40/180C-60/A	NMD 40/180C-60/A	5,5	7,5					68	67,5	66,5	65,5	64	63	59,5	57	50	47,5		
B-NMD 40/180B-60/A	NMD 40/180B-60/A	7,5	10					86,5	86	84,5	83,5	82	80	77,5	74	68	65,5	58*	
B-NMD 40/180A-60/A	NMD 40/180A-60/A	9,2	12,5					93,5	92,5	91,5	90,5	89	87	84,5	83	75,5	73,5	66*	

B-NM	NM	P <sub>2</sub>		Q m³/h l/min	21	24	27	30	33	37,8	42	48	54	60	66	75	84	96	
		kW	HP		350	400	450	500	550	630	700	800	900	1000	1100	1250	1400	1600	
B-NM 17/HE-60●	NM 17/HE-60●	1,1	1,5	H m	9,2	9	8,7	8,5	8	7,5	6,5	5	3,5*						
B-NM 17/GE-60●	NM 17/GE-60●	1,5	2		12	11,8	11,6	11,5	11	10,5	9,5	8	6,5	4,5*					
B-NM 17/F-60/A	NM 17/F-60/A	2,2	3			16	15,8	15,5	15	14,5	14	12,7	11,5	10	8*				
B-NM 17/D-60/A	NM 17/D-60/A	3	4					18	17,7	17,5	17	16,5	15,5	14	12,5	11*			

**NM, NMD** Standard construction.  
標準結構。

**B-NM, B-NMD** Bronze construction.  
青銅結構。

**P<sub>2</sub>** Rated motor power output.  
馬達額定輸出功率。

**H** Total head in m.  
總揚程 (單位 m)。

● With single-phase motor = NMM - NMDM.  
使用單相馬達型號 = NMM - NMDM.

\* Maximum suction lift 1-2 m.  
最大吸入揚高 1-2 m。

Tolerances according to UNI EN ISO 9906:2012.  
誤差值依據 UNI EN ISO 9906:2012。

## Rated currents - 額定電流

	P <sub>2</sub>		single-phase - 單相 1~				IA/IN
	kW	HP	220V IN A	127V IN A	110V IN A	110/220V IN A	
*	0,37	0,5	3,4	5,9	6,8	-	2,7
NMM 1/S-60	0,45	0,6	4,2	7,3	8,4	-	2,6
*	0,45	0,6	4,1	7,1	8,2	7.1/3.8	2,5
*	0,55	0,75	5,2	9	10,4	9,2/4,7	3,1
NMM 10/FE-60	0,55	0,75	6,5	11,3	13	-	2,9
NMM 25/12A-60	0,75	1	6,5	11,3	13	12,5/6,4	2,9
*	0,75	1	6,9	12	13,8	12,5/6,4	2,9
NMM 10/DE-60	0,75	1	6,5	11,3	13	-	2,9
NMM 20/160BE-60							
*	1,1	1,5	8,5	14,7	17	-	3
*	1,5	2	10,6	18,4	-	-	3,8
*	1,8	2,5	13,5	-	-	-	4,5

	P <sub>2</sub>		three-phase - 三相 3~			IA/IN
	kW	HP	220/380V IN A	380/660V IN A	220/440V IN A	
*	0,37	0,5	3/1,7	-	3,1/1,8	3,8
*	0,45	0,6	2,6/1,5	-	2,7/1,6	3,5
*	0,55	0,75	3,3/1,9	-	3,5/2	4,3
NM 10/FE-60	0,55	0,75	4,5/2,6	-	4,7/2,7	5,2
*	0,75	1	4,8/2,8	-	5/2,9	6,8
NM 10/DE-60	0,75	1	4,5/2,6	-	4,7/2,7	4,8
NM 20/160BE-60						
*	1,1	1,5	5,7/3,3	-	6,0/3,5	5,5
*	1,5	2	9/5,2	-	9,4/5,5	5,4
*	2,2	3	11,1/6,5	-	11,6/6,7	7,3
*	3	4	13,4/7,7	-	14,0/8,1	8,4
*	4	5,5		11,2/6,5		7,8
*	5,5	7,5		13,7/7,9		8,7
*	7,5	10		17/9,8		9,2
*	9,2	12,5		22/12,7		8,2

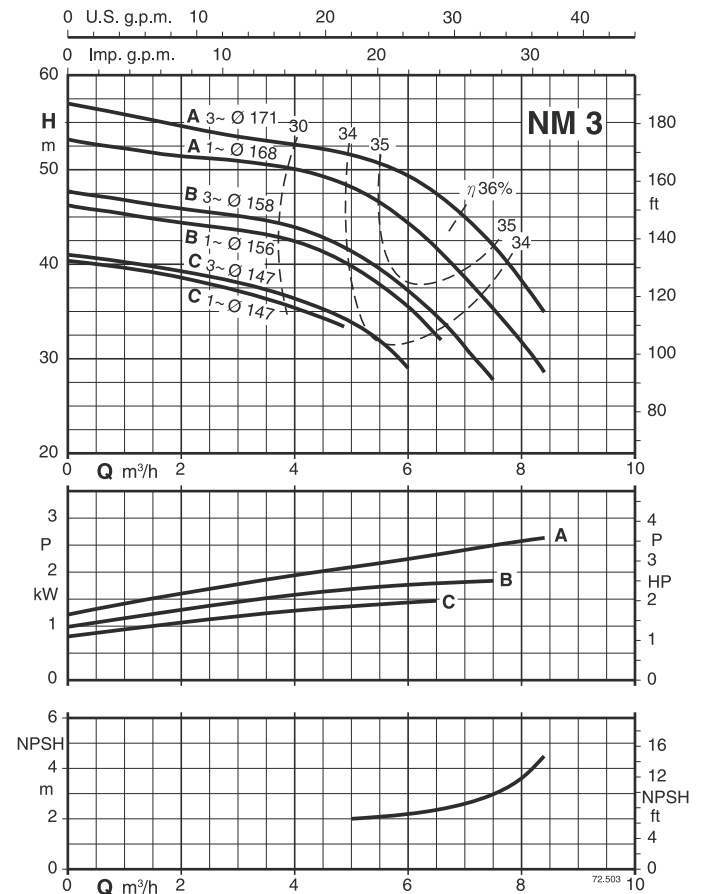
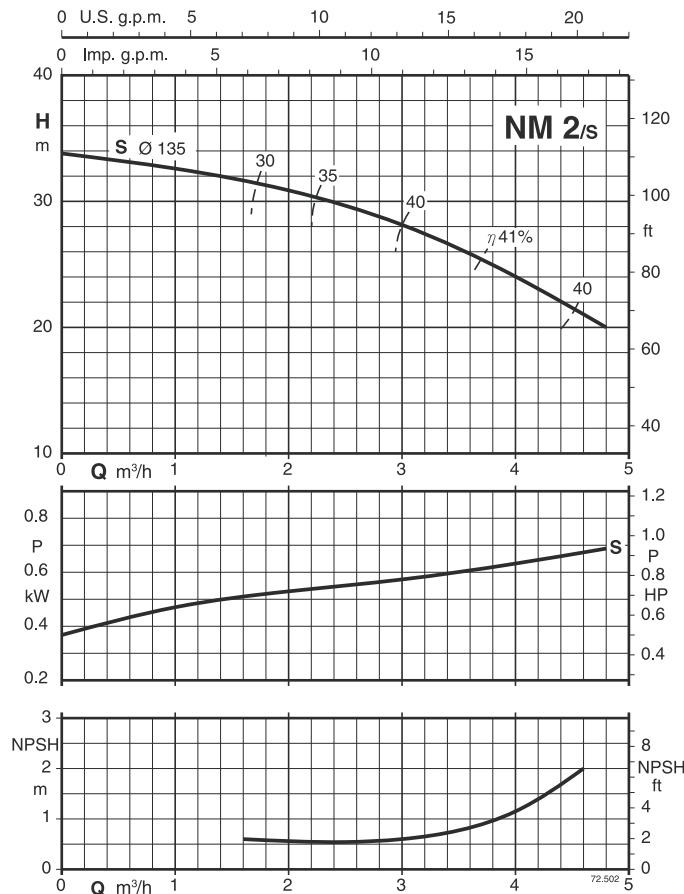
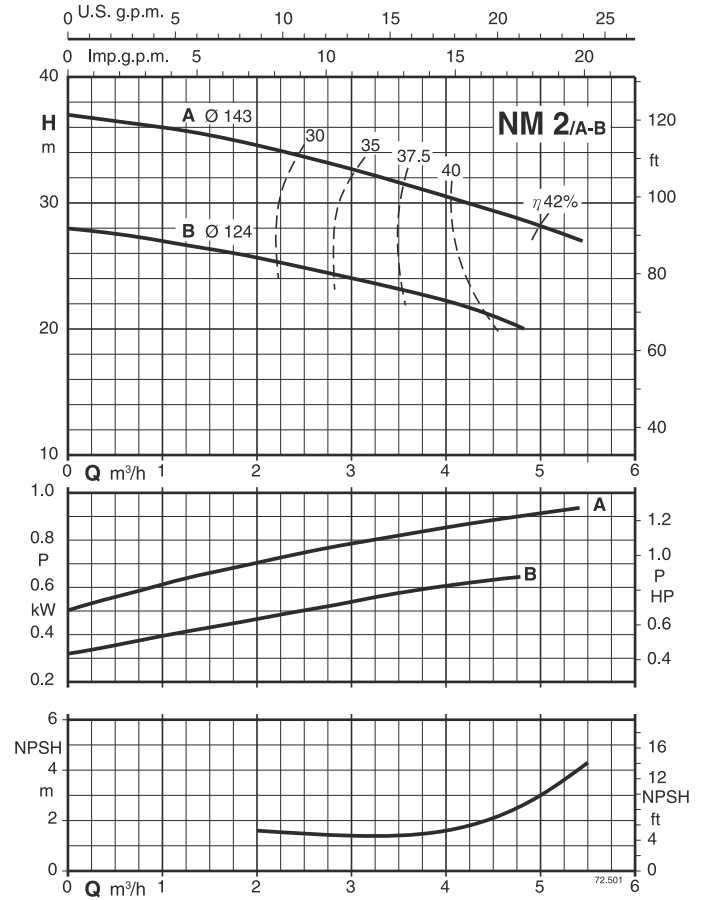
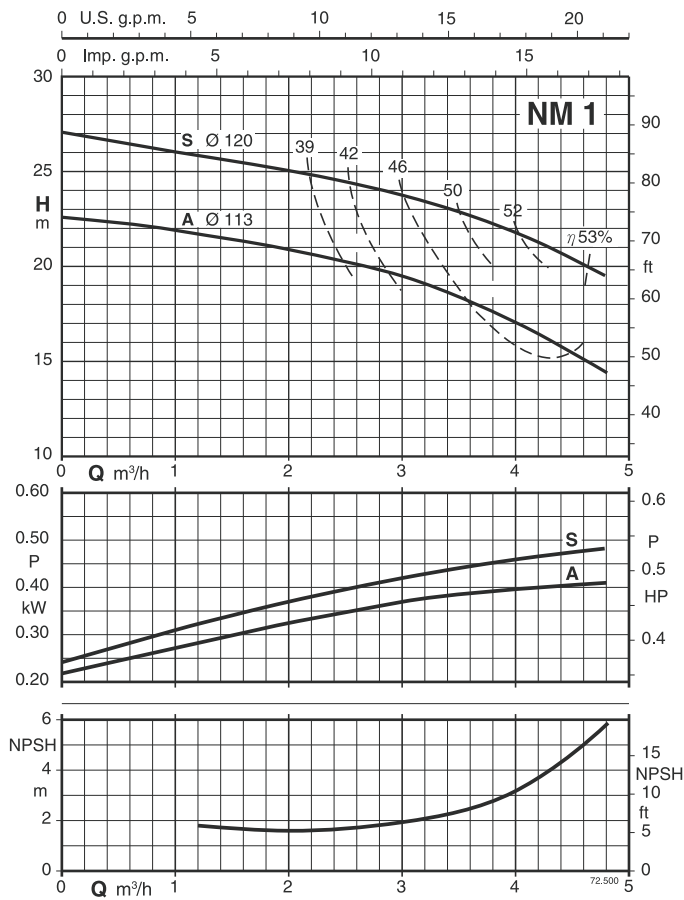
\* For all types.  
適用所有型號。

**P<sub>2</sub>** Rated motor power output.  
馬達額定輸出功率。

**IA/IN** D.O.L. starting current / Rated current  
啟動電流 / 額定電流。

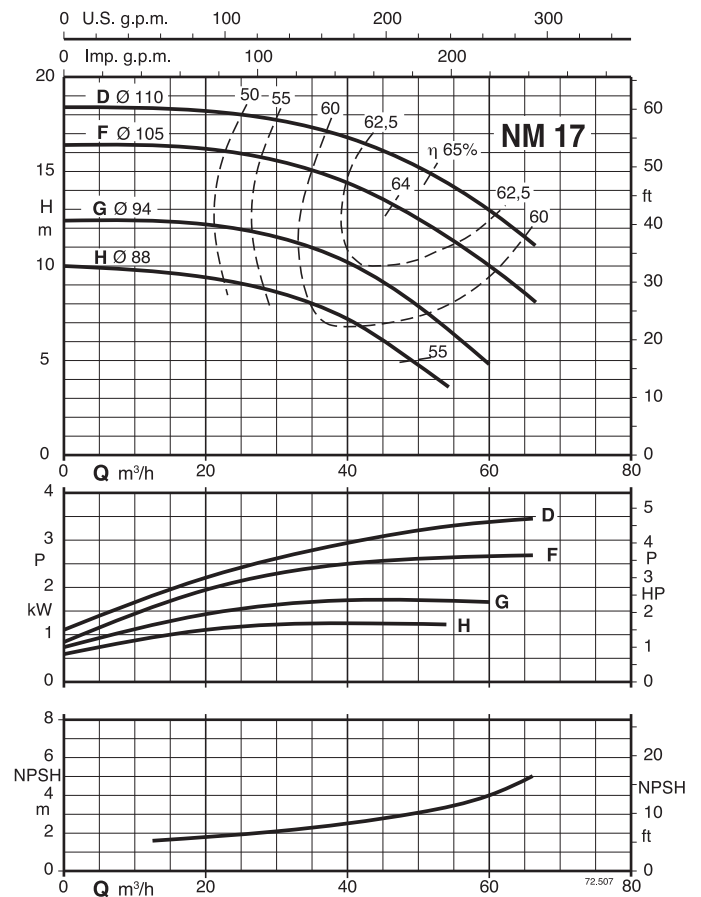
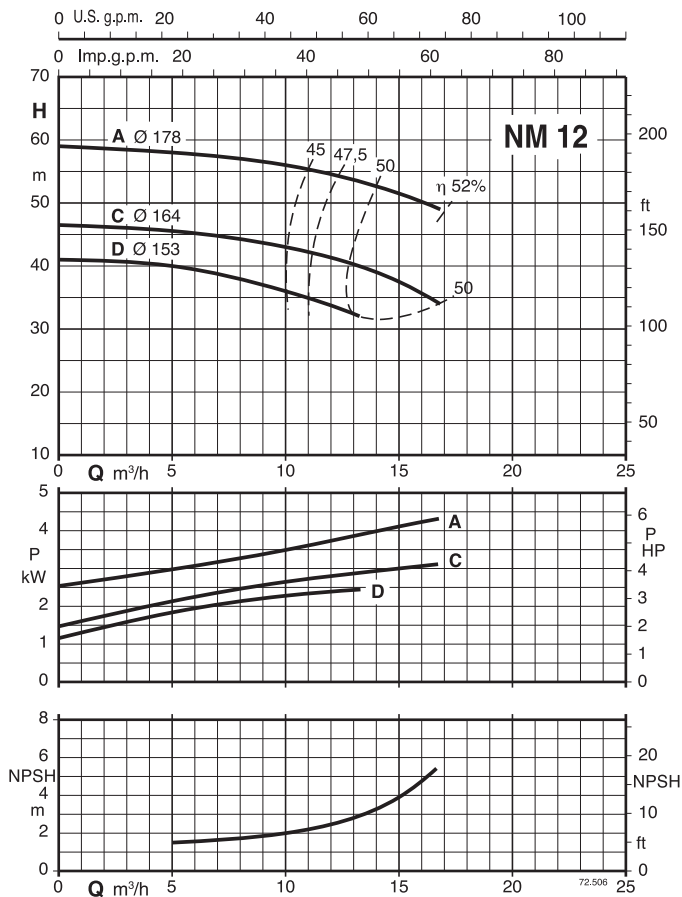
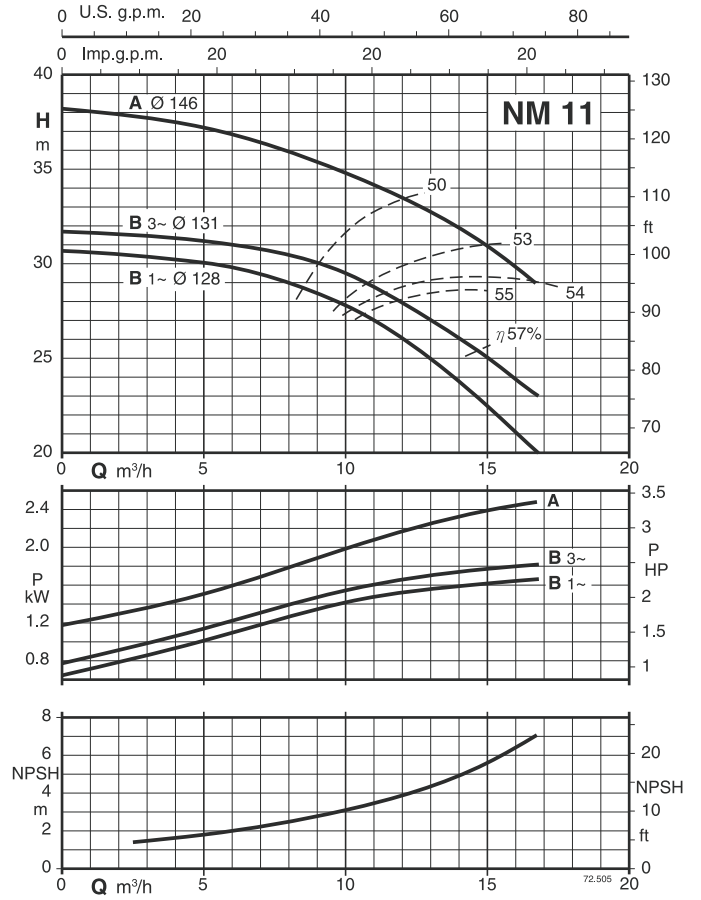
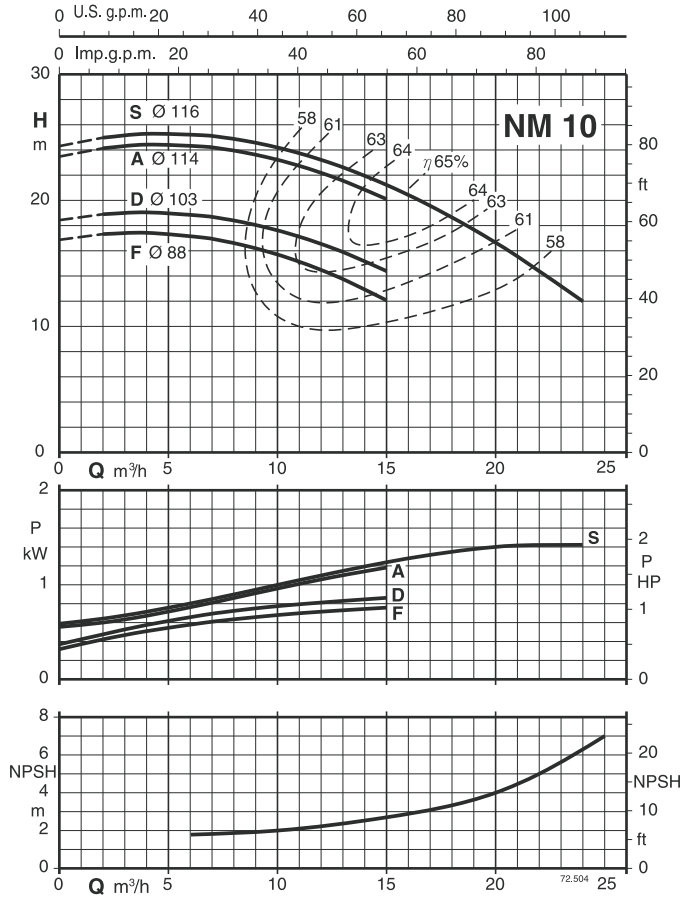
## Characteristic curves - 性能曲線

$n \approx 3450$  rpm



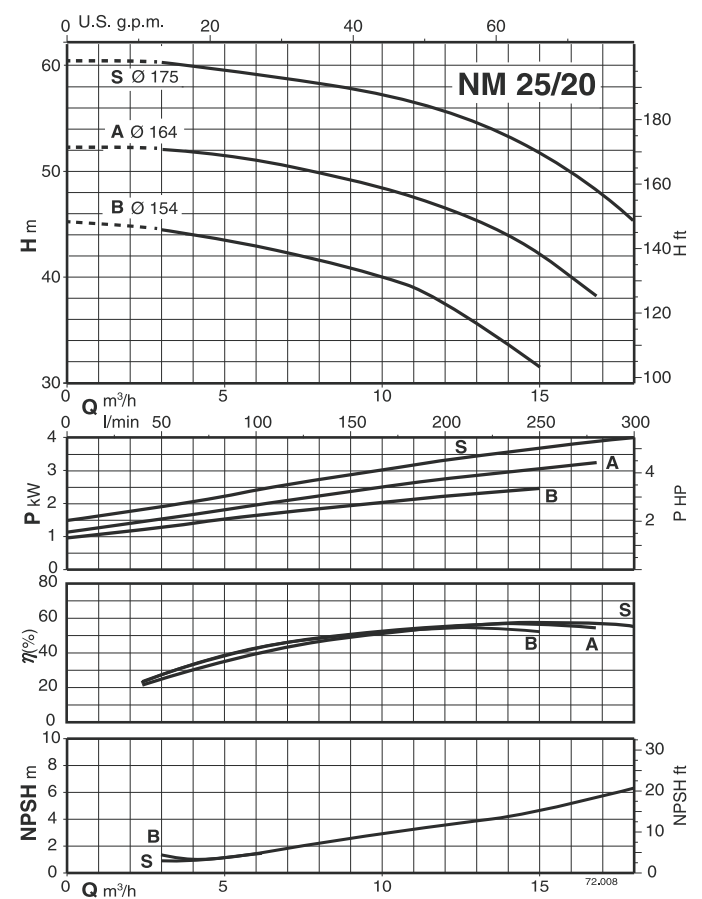
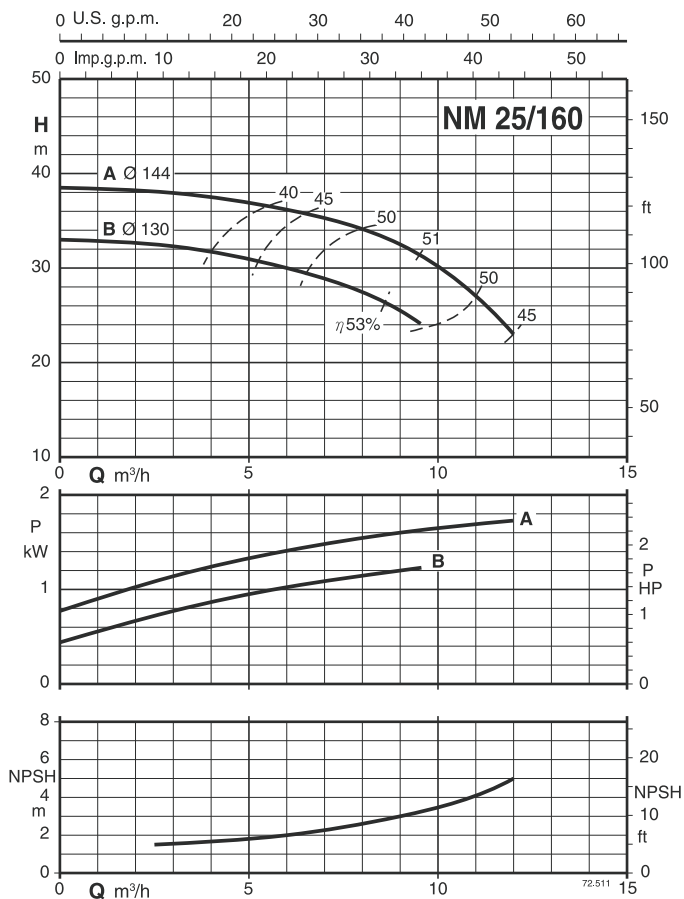
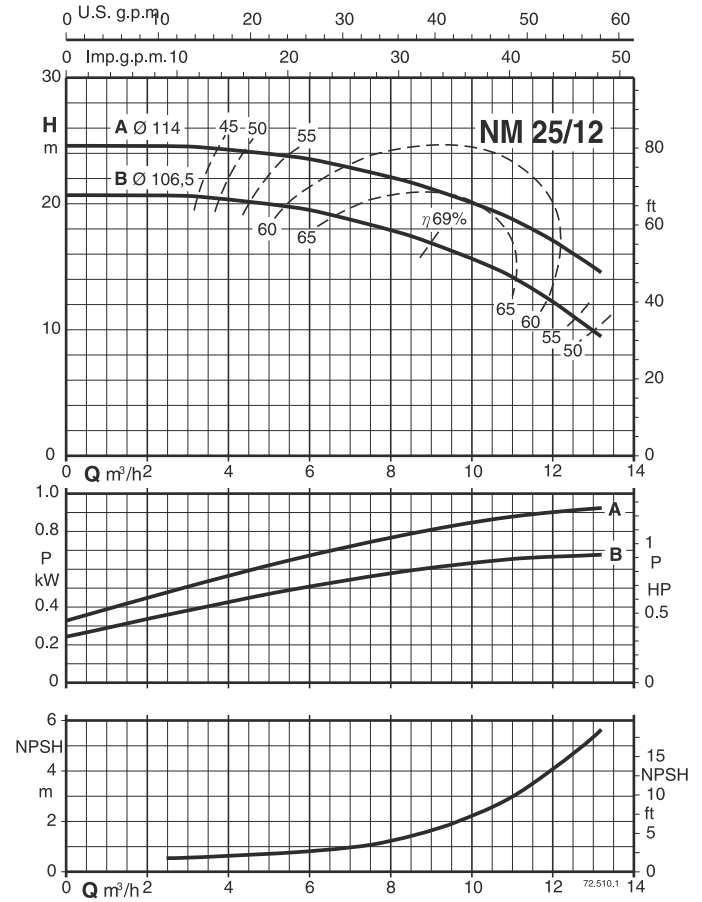
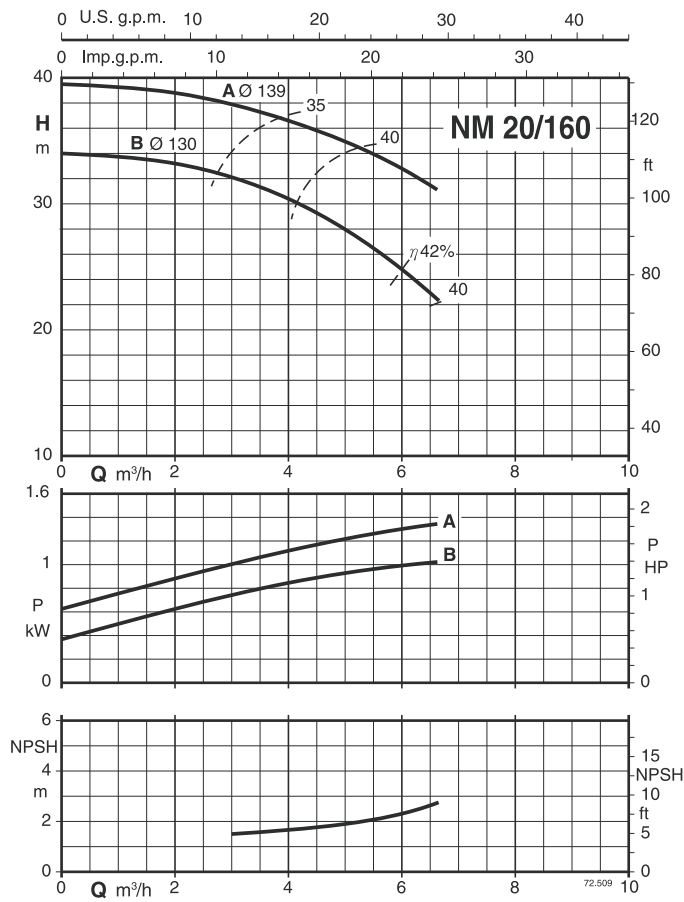
## Characteristic curves - 性能曲線

n ≈ 3450 rpm



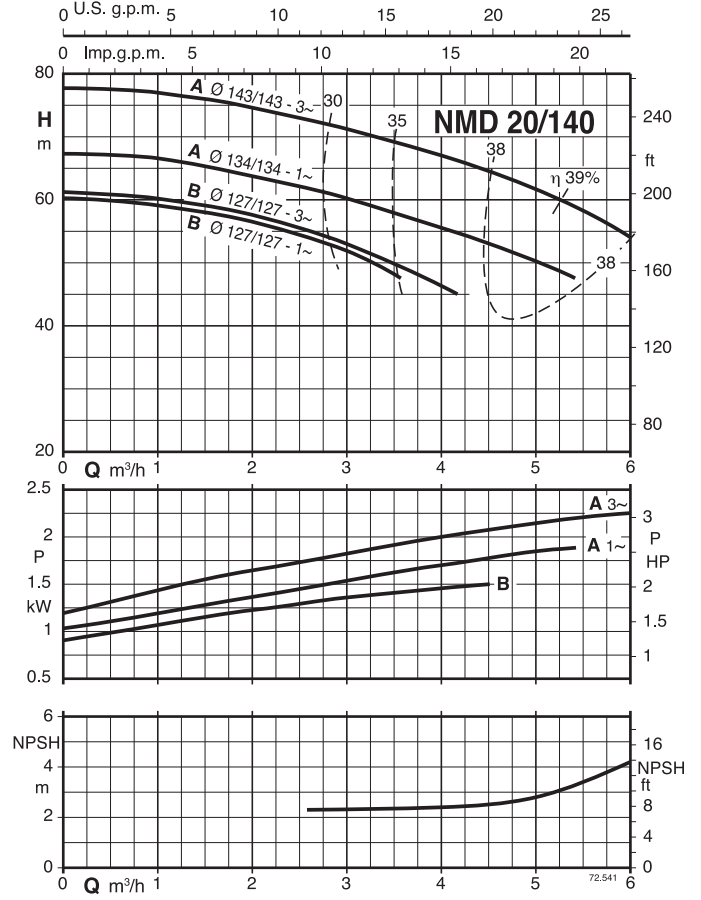
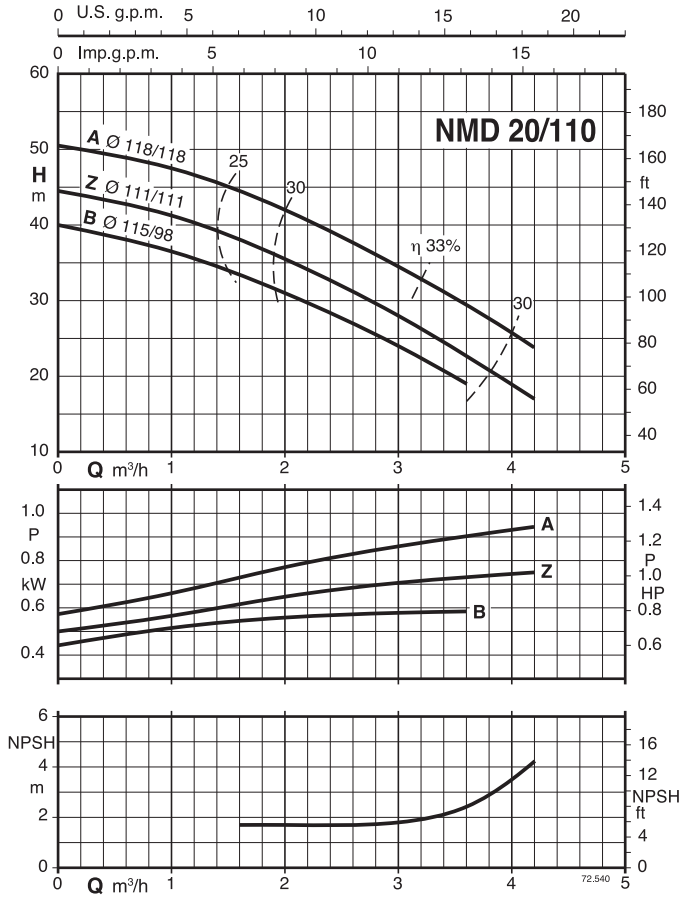
## Characteristic curves - 性能曲線

$n \approx 3450$  rpm



## Characteristic curves - 性能曲線

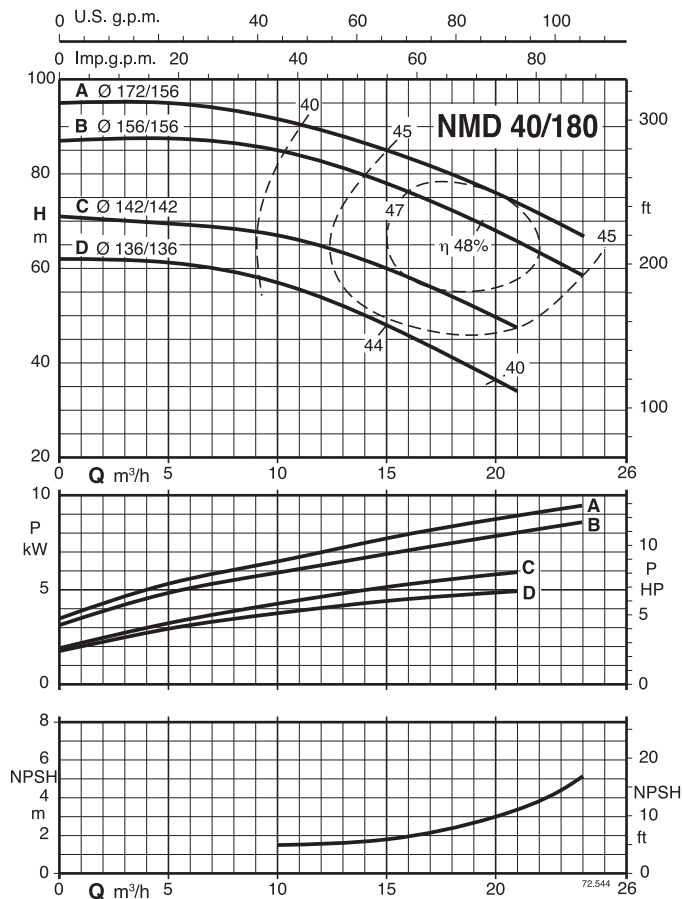
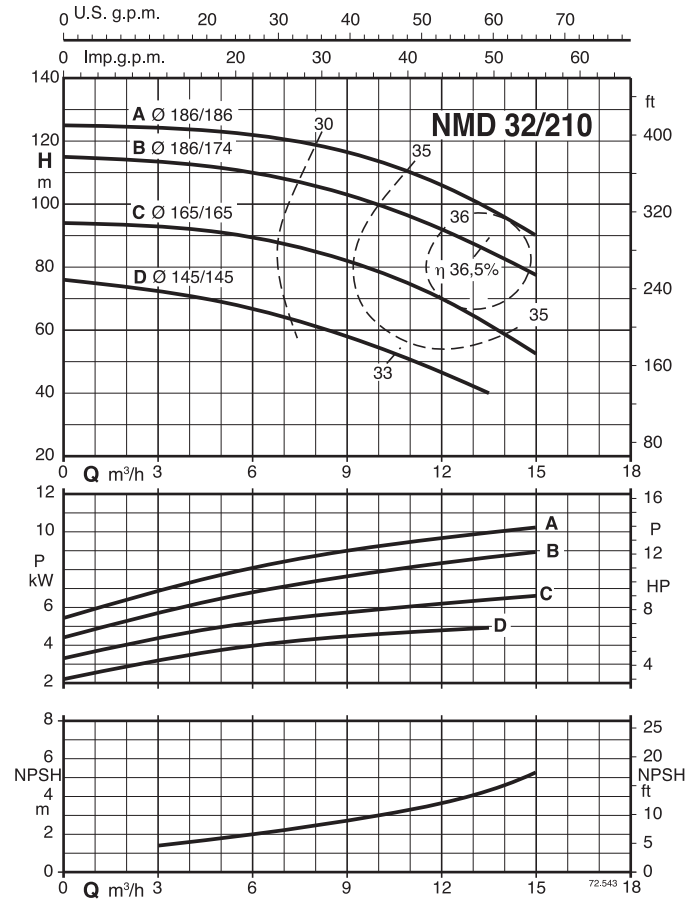
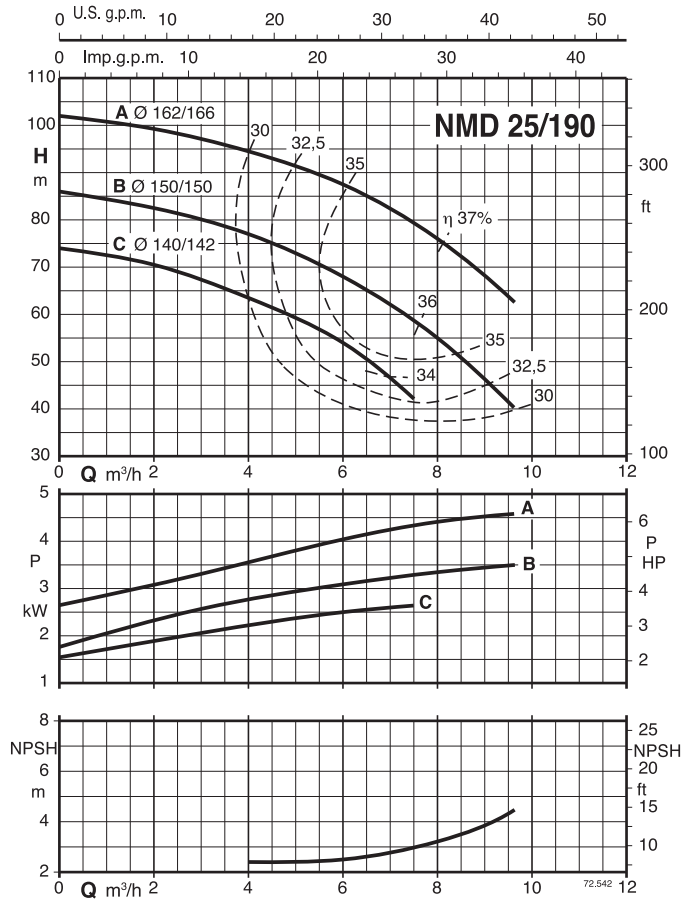
n ≈ 3450 rpm



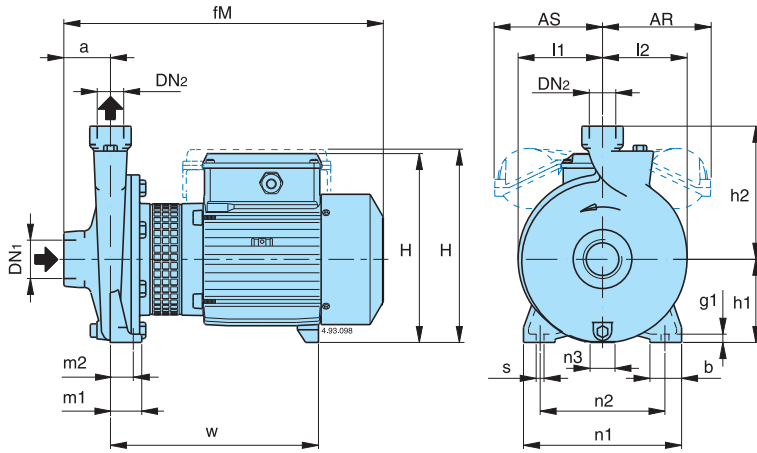


## Characteristic curves - 性能曲線

$n \approx 3450$  rpm



## Dimensions and weights - 尺寸及重量



	H	AS mm				AR mm			
		220V	127V	110V	110/220V	220V	127V	110V	110/220V
NMM 1/AE-60	181	●	●	●	□	-	-	-	-
NMM 1/S-60	181	●	●	●	□	-	-	-	-
NMM 2/B-60/A	212	-	-	-	-	●	●	●	116
NMM 2/S-60/A	212	-	-	-	-	●	●	●	116
NMM 2/A-60/A	212	-	-	-	-	●	116	116	131
NMM 3/CE-60	245	●	131	131	□	-	-	-	-
NMM 3/BE-60	245	●	131	□	□	-	-	-	-
NMM 3/A-60/A	245	131	□	□	□	-	-	-	-
B- NMM 20/160BE-60	233	●	131	131	□	-	-	-	-
B- NMM 20/160AE-60	233	●	131	131	□	-	-	-	-
B- NMM 25/12B-60/A	204	-	-	-	-	●	●	●	116
B- NMM 25/12A-60/A	204	-	-	-	-	●	116	116	131
B- NMM 25/160BE-60	233	●	131	131	□	-	-	-	-
B- NMM 25/160AE-60	233	●	131	□	□	-	-	-	-
NMM 10/FE-60	233	●	116	131	□	-	-	-	-
NMM 10/DE-60	233	●	116	131	□	-	-	-	-
NMM 10/AE-60	233	●	131	131	□	-	-	-	-
NMM 10/SE-60	233	●	131	□	□	-	-	-	-
NMM 11/BE-60	245	●	131	□	□	-	-	-	-
B- NMM 17/HE-60	245	●	131	131	□	-	-	-	-
B- NMM 17/GE-60	245	●	131	□	□	-	-	-	-

● Standard dimensions - 標準尺寸  
□ Cannot constructed - 無法製造提供

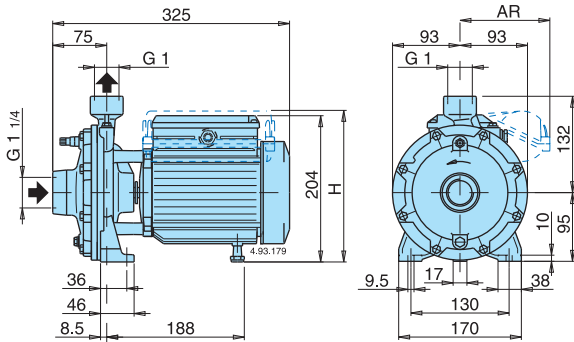
	NMM kg	NM kg	B-NM kg
NM 1/AE-60	8,7	8,6	
NM 1/S-60	9,3	9,2	
NM 2/B-60/A	14	13,1	
NM 2/S-60/A	14,2	13,3	
NM 2/A-60/A	15,1	14,2	
NM 3/CE-60	24	22,9	
NM 3/BE-60	26	25,1	
NM 3/A-60/A	30,4	29,1	
B- NM 20/160BE-60	19,9	18,4	21
B- NM 20/160AE-60	20,7	19,7	22,5
B- NM 25/12B-60/A	13,2	12,3	13,5
B- NM 25/12A-60/A	14,2	13,3	14,5
B- NM 25/160BE-60	20,4	19,7	22,8
B- NM 25/160AE-60	22,5	21,5	24
NM 25/20B-60/B		31,6	
NM 25/20A-60/B		40,9	
NM 25/20S-60/B		42,2	
B- NM 25/200B-60/B			35,7
B- NM 25/200A-60/B			43,7
B- NM 25/200S-60/B			45,2
NM 10/FE-60	19,3	18,5	
NM 10/DE-60	19,4	18,8	
NM 10/AE-60	20,2	19,3	
NM 10/SE-60	22,1	21,5	
NM 11/BE-60	24,7	24,1	
NM 11/A-60/A		28,1	
NM 12/D-60/A		33,5	
NM 12/C-60/A		42	
NM 12/A-60/A		43,5	
B- NM 17/HE-60	23	22,2	29,2
B- NM 17/GE-60	24,2	23,2	30,2
B- NM 17/F-60/A		28,2	35,2
B- NM 17/D-60/A		36,2	43,2

B-NM	NM	DN1 ISO 228	DN2	NPT	mm															
					a	fM	h1	h2	H	m1	m2	n1	n2	n3	b	s	l1	l2	w	g1
	NM 1/S-60,AE-60	G 1	G 1	✓	40	261	80	132	176	40	32	170	140	17	35	9,5	77	81	171	10
	NM 2/A-60/A,S-60/A,B-60/A	G 1	G 1	✓	45	305	95	150	207	40	32	190	160	17	35	9,5	87	90	203	10
	NM 3/BE-60,CE-60	G 1	G 1	✓	50	375	112	180	240	55	43	245	205	37	45	11,5	110	113	244	12
	NM 3/A-60/A					415													284	
B-NM 20/160AE-60,BE-60	NM 20/160AE-60,BE-60	G 1 1/4	G 3/4	✓	53	375	100	150	228	37,5	27,5	190	150	30	38	9,5	102	102	246	10
B-NM 25/12A-60/A,B-60/A	NM 25/12A-60/A,B-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	195	10
B-NM 25/160AE-60,BE-60	NM 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	246	10
	NM 25/20B-60/B	G 1 1/2	G 1	✓	63	433	125	180	253	45	32,5	245	200	49	45	11,5	125	125	291	11
	NM 25/20A-60/B,S-60/B					460			263					42				295		
B-NM 25/200B-60/B		G 1 1/2	G 1	✓	63	445	125	180	253	45	32,5	245	200	49	45	11,5	125	125	303	11
B-NM 25/200A-60/B,S-60/B						460			263					42				295		
	NM 10/SE-60,AE-60,DE-60,FE-60	G 2	G 1 1/4	✓	63	382	100	150	228	50	35	190	140	30	50	13	90	97	239	14
	NM 11/BE-60	G 2	G 1 1/4	✓	70	400	112	170	240	50	35	210	160	37	50	15	103	110	247	14
	NM 11/A-60/A					440													287	
	NM 12/D-60/A	G 2	G 1 1/4	✓	70	440	132	190	260	50	35	240	190	47	50	15	125	127	287	14
	NM 12/A-60/A,C-60/A					470			270					45					300	
B-NM 17/GE-60,HE-60	NM 17/GE-60,HE-60					417			240					37					257	
B-NM 17/F-60/A	NM 17/F-60/A	G 2 1/2	G 2 1/2	✓	80	463	112	160	240	50	35	210	160	37	50	14	96	113	304	14
B-NM 17/D-60/A	NM 17/D-60/A					480			250					20					295	

✓ NPT Version on demand - NPT接口 - 規格依需求提供

## Dimensions and weights - 尺寸及重量

### NMD 20/110

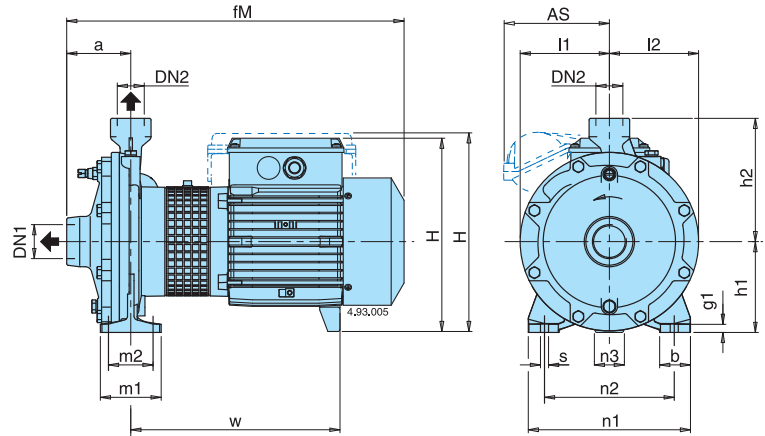


	NMDM kg	NMD kg	B-NMD kg
B- NMD 20/110B-60/A	13	12,1	13,4
B- NMD 20/110Z-60/A	14	13	14,2
B- NMD 20/110A-60/A	15,1	14,2	17,4

	H	AR mm			
		220V	127V	110V	110/220V
B- NMDM 20/110B-60/A	209	●	●	●	116
B- NMDM 20/110Z-60/A	209	●	●	●	116
B- NMDM 20/110A-60/A	209	●	116	116	131

● Standard dimensions - Dimensiones estándar

### NMD 20/140, NMD 25/190



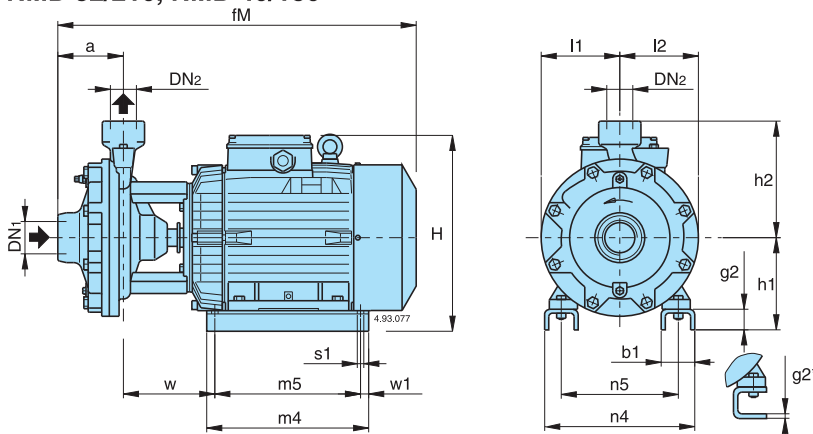
	NMDM kg	NMD kg	B-NMD kg
B- NMD 20/140B-60/A	23,9	22,7	25,2
B- NMD 20/140A-60/A	25,2	24,8	27,6
B- NMD 25/190C-60/A		42	45,7
B- NMD 25/190B-60/A		49,7	54
B- NMD 25/190A-60/A		51,5	55,5

	H	AS mm			
		220V	127V	110V	110/220V
B- NMDM 20/140BE-60/A	248	●	131	131	□
B- NMDM 20/140AE-60/A	248	●	131	□	□

● Standard dimensions - Dimensiones estándar □ Cannot be constructed - Non fattibile

B-NMD	NMD	DN1 ISO 228	DN2 NPT	mm																
				a	fM	h1	h2	H	m1	m2	n1	n2	n3	b	s	l1	l2	w	g1	
B-NMD 20/140AE-60, BE-60	NMD 20/140AE-60, BE-60	G 1 1/4	G 1	✓	80	417	112	152	243	75	55	200	160	37	38	9,5	110	110	256	10
B-NMD 25/190C-60/A	NMD 25/190C-60/A	G 1 1/2	G 1	✓	97	487	140	180	268	100	70	240	190	50	50	14	133	133	314	13
B-NMD 25/190A-60/A, B-60/A	NMD 25/190A-60/A, B-60/A					500			278					49					306	

### NMD 32/210, NMD 40/180



	NMD kg	B-NMD kg
B- NMD 32/210D-60/A	60,5	66,5
B- NMD 32/210C-60/A	71	77
B- NMD 32/210B-60/A	77	82,5
B- NMD 32/210A-60/A	99	105
B- NMD 40/180D-60/A	59,5	65,5
B- NMD 40/180C-60/A	70	76
B- NMD 40/180B-60/A	76	81,5
B- NMD 40/180A-60/A	97	102

B-NMD	NMD	DN1 ISO 228	DN2 NPT	mm																	
				a	fM	h1	h2	H	m4	m5	n4	n5	w1	b1	s1	l1	l2	w	g2		
B-NMD 32/210D-60/A	NMD 32/210D-60/A					530	155	215	293	205	175	194	140								
B-NMD 32/210B-60/A, C-60/A	NMD 32/210B-60/A, C-60/A	G 2	G 1 1/4	✓	110	550	150	215	310	280	250	258	190	15	68	12	150	150	139	6*	
B-NMD 32/210A-60/A	NMD 32/210A-60/A					625	170		355	298	268	286	216		70	12			152	38	
B-NMD 40/180D-60/A	NMD 40/180D-60/A					535	155		293	205	175	194	140		54	10			133	6*	
B-NMD 40/180B-60/A, C-60/A	NMD 40/180B-60/A, C-60/A	G 2	G 1 1/2	✓	121	555	150	215	310	280	250	258	190	15	68	12	145	145	102	38	
B-NMD 40/180A-60/A	NMD 40/180A-60/A					630	170		355	298	268	286	216		70	12			145	38*	

✓ NPT Version on demand - NPT接口 - 规格依需求提供

## Features - 特色

### Compact Design

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

### Robustness

The mechanical structure of the hydraulic parts in contact with the pumped liquid are dimensioned to guarantee the maximum resistance to mechanical stress.

### A unique design

The lantern bracket design prevents contact with the pumps rotating parts, providing 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.

### 簡潔設計

簡潔的設計，使在狹窄空間仍易於安裝。

### 堅固

水液壓零件設計結構，可抵抗機械最大壓力。

### 獨特設計

托架設計可防止與泵浦轉動零件接觸，提供使用者可自行檢查機械軸封。

### 可靠

軸承與軸心經特殊設計可確保減少壓力，在所有操作條件下提供更高可靠性。

### Flexibility

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

### Robustness

The mechanical structure of the hydraulic parts in contact with the pumped liquid are dimensioned to guarantee the maximum resistance to mechanical stress.

### Reliability

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

### 靈活性

水液壓零件有鑄鐵及青銅材質可供選擇，使NMD泵浦可適用在不同類型之液體。

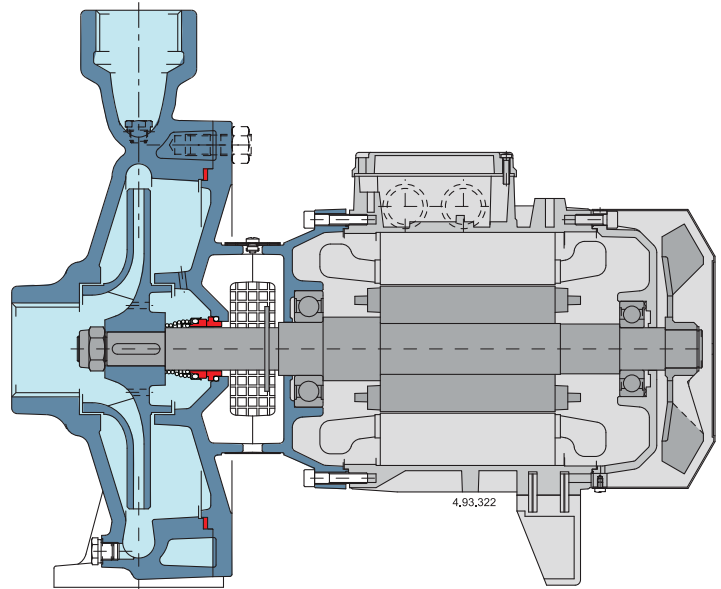
### 堅固

水液壓零件設計結構，可抵抗機械最大壓力。

### 可靠

軸承與軸心經特殊設計可確保減少壓力，在所有操作條件下提供更高可靠性。

## NM



## NMD

