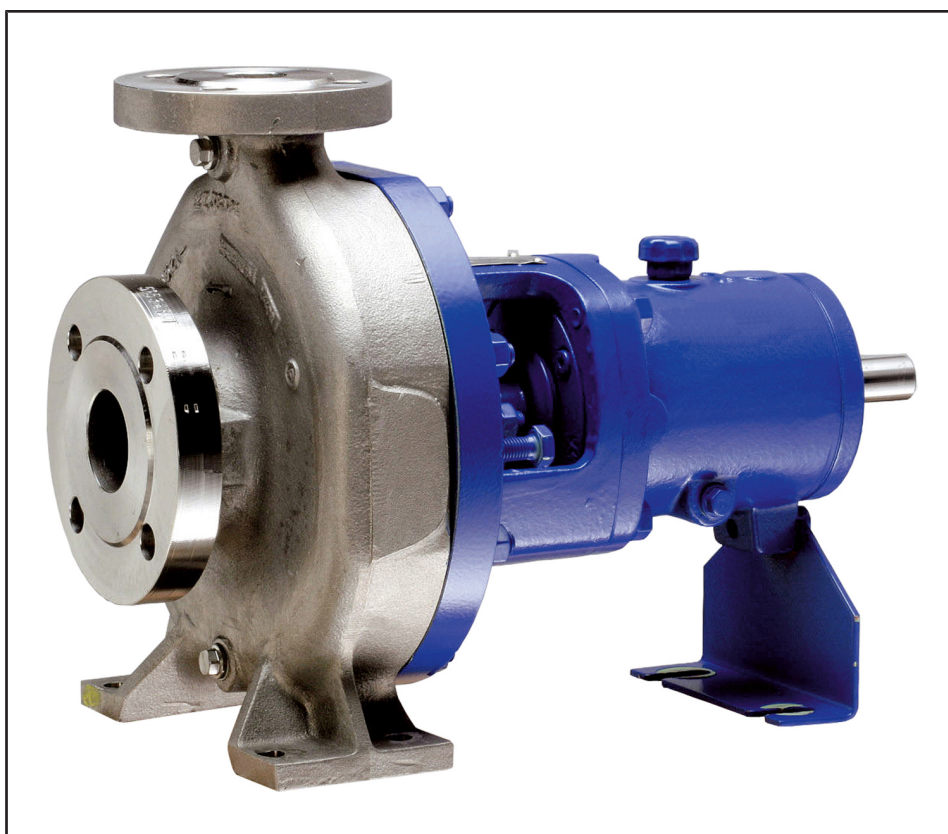


Pompa a norma per la chimica

CPKNO

**Foglio delle curve
caratteristiche**



Stampa

Foglio delle curve caratteristiche CPKNO

Tutti i diritti riservati. Sono vietati la riproduzione, l'elaborazione e la divulgazione a terzi dei contenuti, senza approvazione scritta del costruttore.

Con riserva di modifiche tecniche senza preavviso.

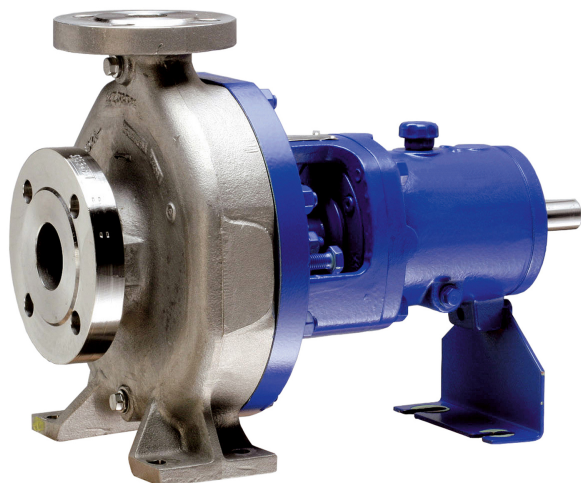
Sommario

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Pompe centrifughe

Pompe normalizzate per la chimica

CPKNO



Generale

Classe collaudo

curve caratteristiche secondo ISO 9906-classe 3B

Valori NPSH

I valori di misurazione NPSH indicati nelle curve caratteristiche corrispondono ad una diminuzione delle prevalenze del 3%.

Valore NPSH nella zona a carico parziale

Valori NPSH per portate inferiori a $Q = 0,3 \times Q_{opt}$ possono essere misurati solo con un notevole impegno. Non sono documentati i valori NPSH nella zona a carico parziale.

Densità del liquido di convogliamento

Le prevalenze e le potenze indicate si applicano a liquidi di convogliamento con una densità di $\rho = 1,0 \text{ kg/dm}^3$ e una viscosità cinematica ν fino a max. $20 \text{ mm}^2/\text{s}$. Se la densità è $\neq 1,0$, la potenza indicata deve essere moltiplicata per ρ . Con viscosità $>20 \text{ mm}^2/\text{s}$ è necessario calcolare i corrispondenti valori di acqua fredda e determinarne l'influsso sulla potenza della pompa.

Perdite per attrito

In determinate esecuzioni (cuscinetto rinforzato, tenute dell'albero determinate) devono essere considerate le perdite per attrito che vanno indicate come prestazioni aggiuntive nel foglio dati.

Tornitura della girante

È possibile una tornitura della girante per ogni diametro fino al diametro minimo consentito.

Limiti di utilizzo

Rispettare i limiti di utilizzo relativi al materiale o all'esecuzione.

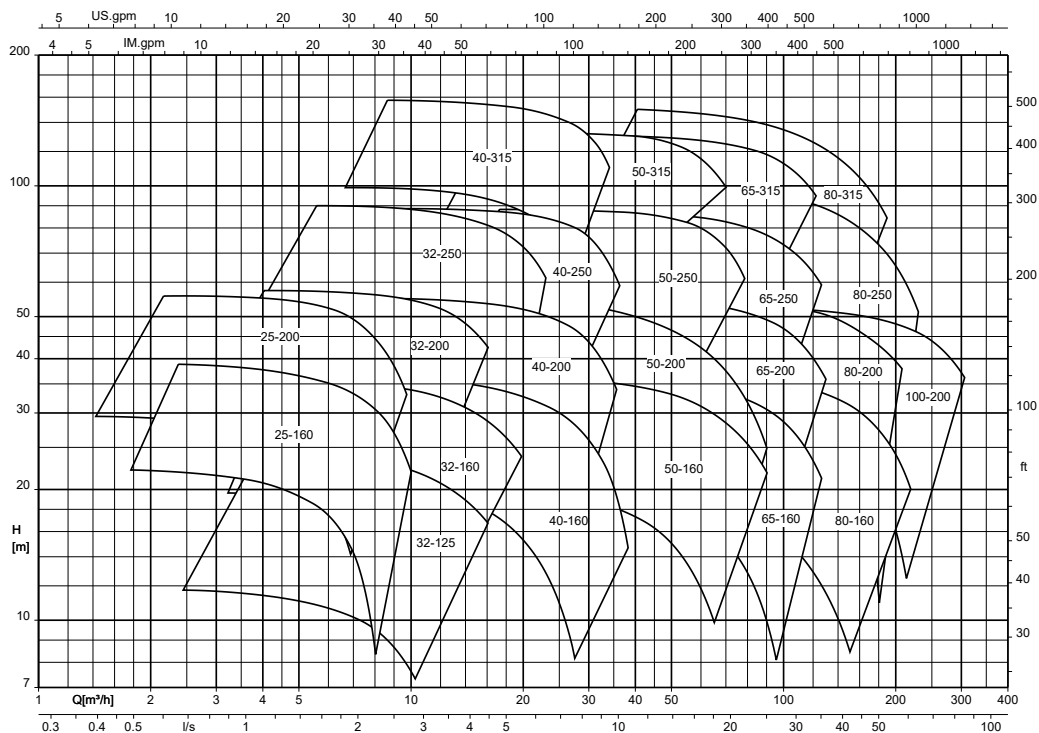
Panoramica delle grandezze costruttive

Tabella 1: Panoramica delle grandezze costruttive

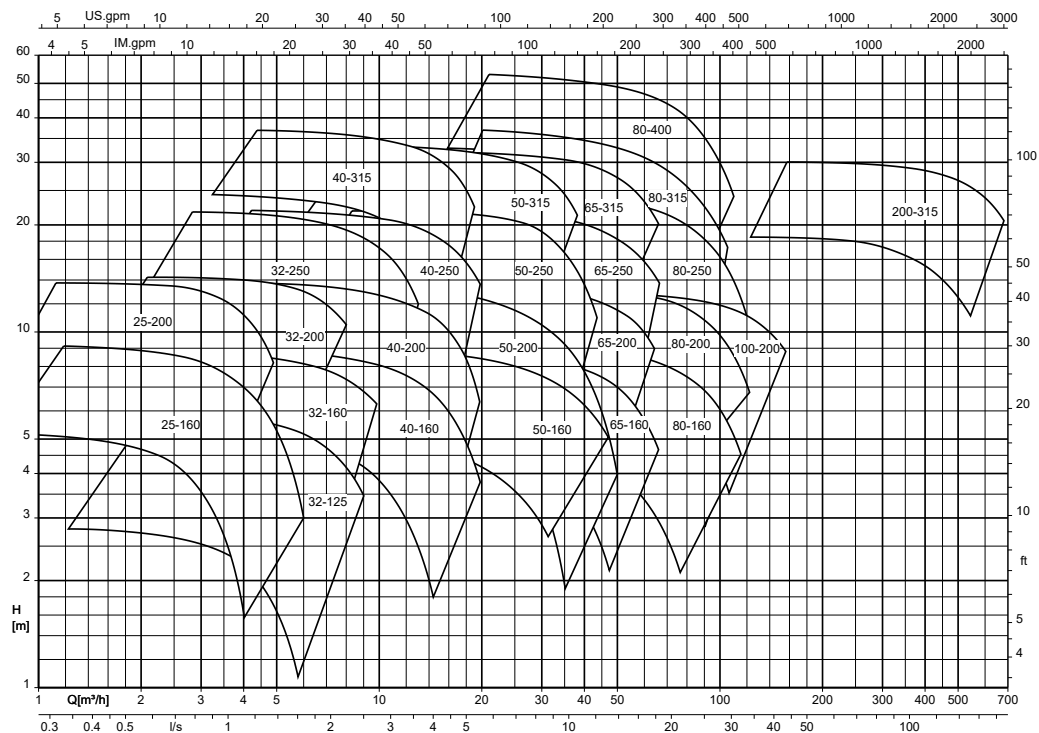
Grandezza costruttiva	Regime		
	1450 giri/min	2900 giri/min	960 giri/min
25-160	(⇒ Pagina 31)	(⇒ Pagina 8)	(⇒ Pagina 56)
25-200	(⇒ Pagina 32)	(⇒ Pagina 9)	(⇒ Pagina 57)
32-125	(⇒ Pagina 33)	(⇒ Pagina 10)	(⇒ Pagina 58)
32-160	(⇒ Pagina 34)	(⇒ Pagina 11)	(⇒ Pagina 59)
32-200	(⇒ Pagina 35)	(⇒ Pagina 12)	(⇒ Pagina 60)
32-250	(⇒ Pagina 36)	(⇒ Pagina 13)	(⇒ Pagina 61)
40-160	(⇒ Pagina 37)	(⇒ Pagina 14)	(⇒ Pagina 62)
40-200	(⇒ Pagina 38)	(⇒ Pagina 15)	(⇒ Pagina 63)
40-250	(⇒ Pagina 39)	(⇒ Pagina 16)	(⇒ Pagina 64)
40-315	(⇒ Pagina 40)	(⇒ Pagina 17)	(⇒ Pagina 65)
50-160	(⇒ Pagina 41)	(⇒ Pagina 18)	(⇒ Pagina 66)
50-200	(⇒ Pagina 42)	(⇒ Pagina 19)	(⇒ Pagina 67)
50-250	(⇒ Pagina 43)	(⇒ Pagina 20)	(⇒ Pagina 68)
50-315	(⇒ Pagina 44)	(⇒ Pagina 21)	(⇒ Pagina 69)
65-160	(⇒ Pagina 45)	(⇒ Pagina 22)	(⇒ Pagina 70)
65-200	(⇒ Pagina 46)	(⇒ Pagina 23)	(⇒ Pagina 71)
65-250	(⇒ Pagina 47)	(⇒ Pagina 24)	(⇒ Pagina 72)
65-315	(⇒ Pagina 48)	(⇒ Pagina 25)	(⇒ Pagina 73)
80-160	(⇒ Pagina 49)	(⇒ Pagina 26)	(⇒ Pagina 74)
80-200	(⇒ Pagina 50)	(⇒ Pagina 27)	(⇒ Pagina 75)
80-250	(⇒ Pagina 51)	(⇒ Pagina 28)	(⇒ Pagina 76)
80-315	(⇒ Pagina 52)	(⇒ Pagina 29)	(⇒ Pagina 77)
80-400	(⇒ Pagina 53)	-	(⇒ Pagina 78)
100-200	(⇒ Pagina 54)	(⇒ Pagina 30)	(⇒ Pagina 79)
200-315	(⇒ Pagina 55)	-	(⇒ Pagina 80)

Diagrammi

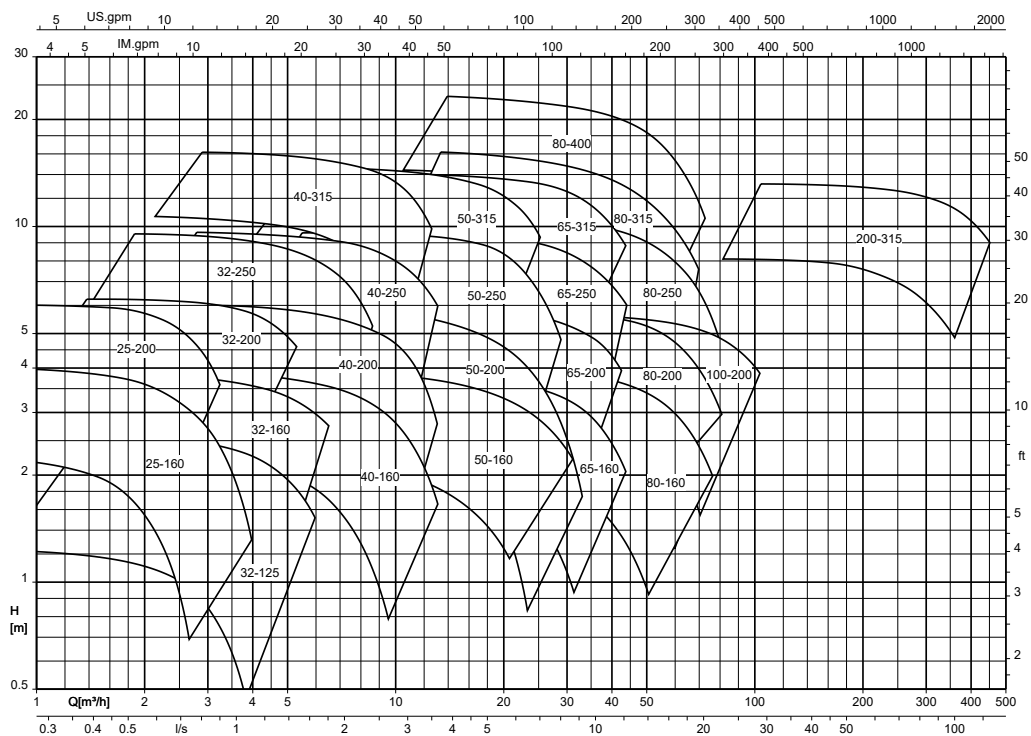
CPKNO, n = 2900 giri/min



CPKNO, n = 1450 giri/min



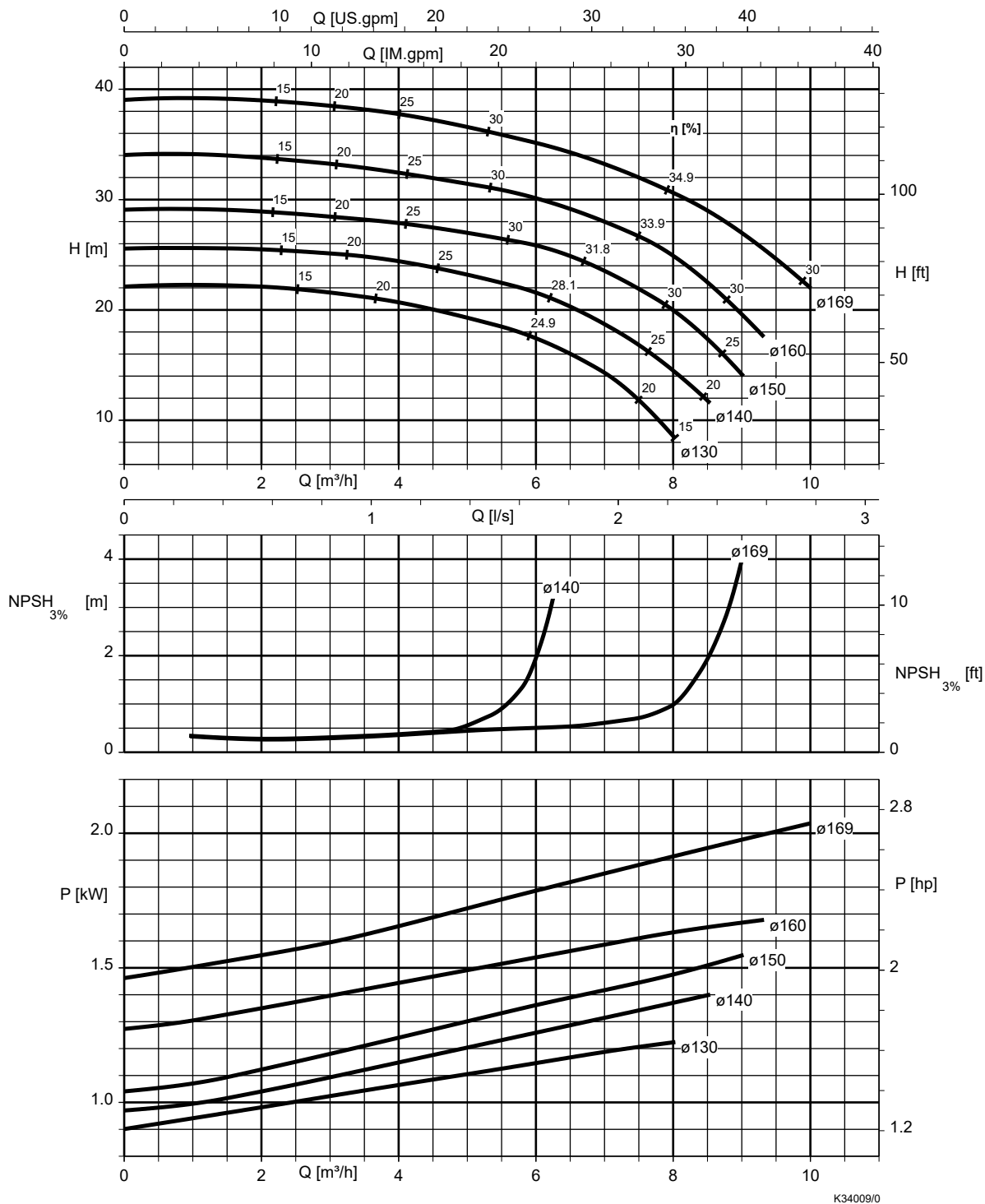
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Curve caratteristiche

$n = 2900$ giri/min

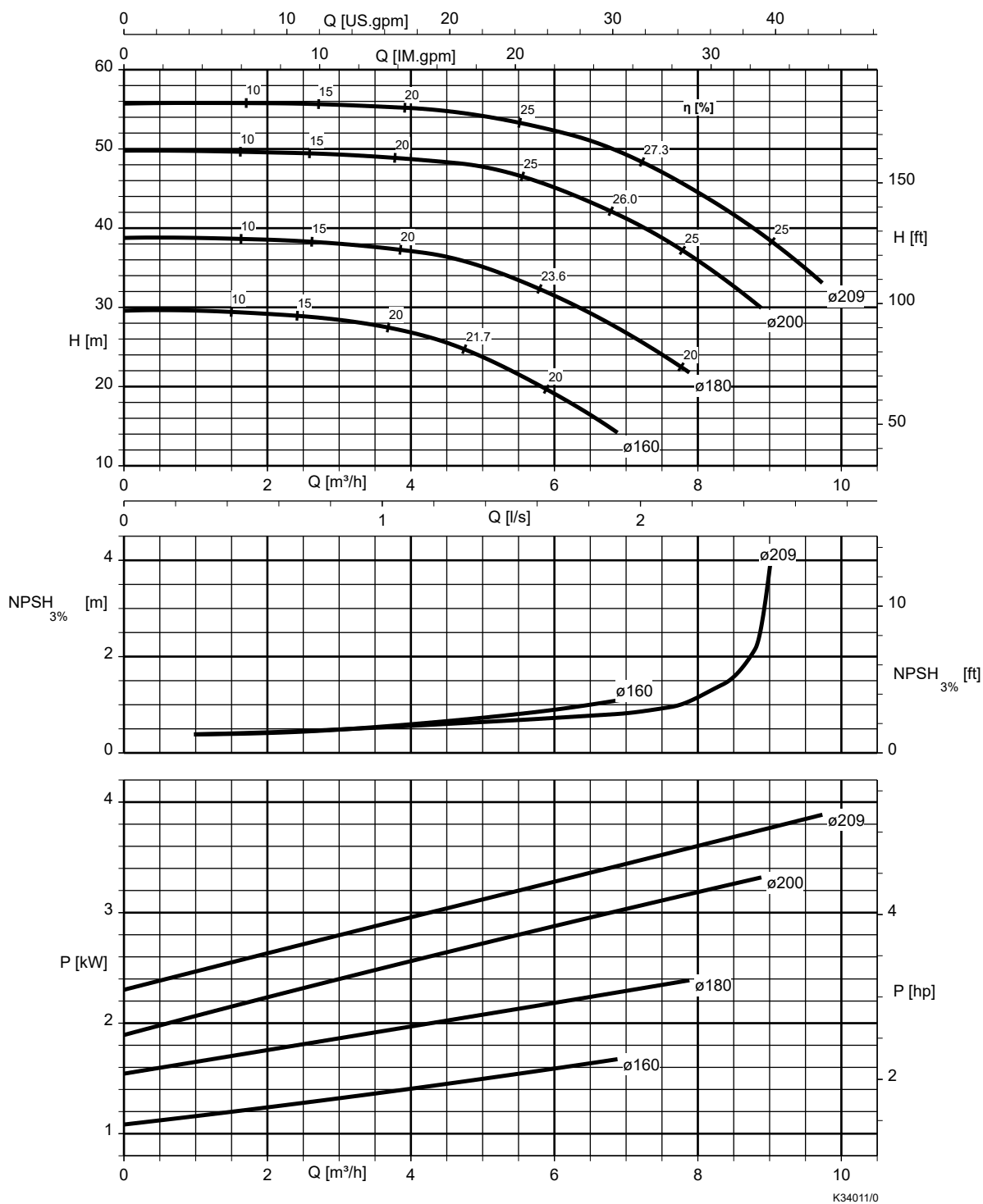
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K34009/0

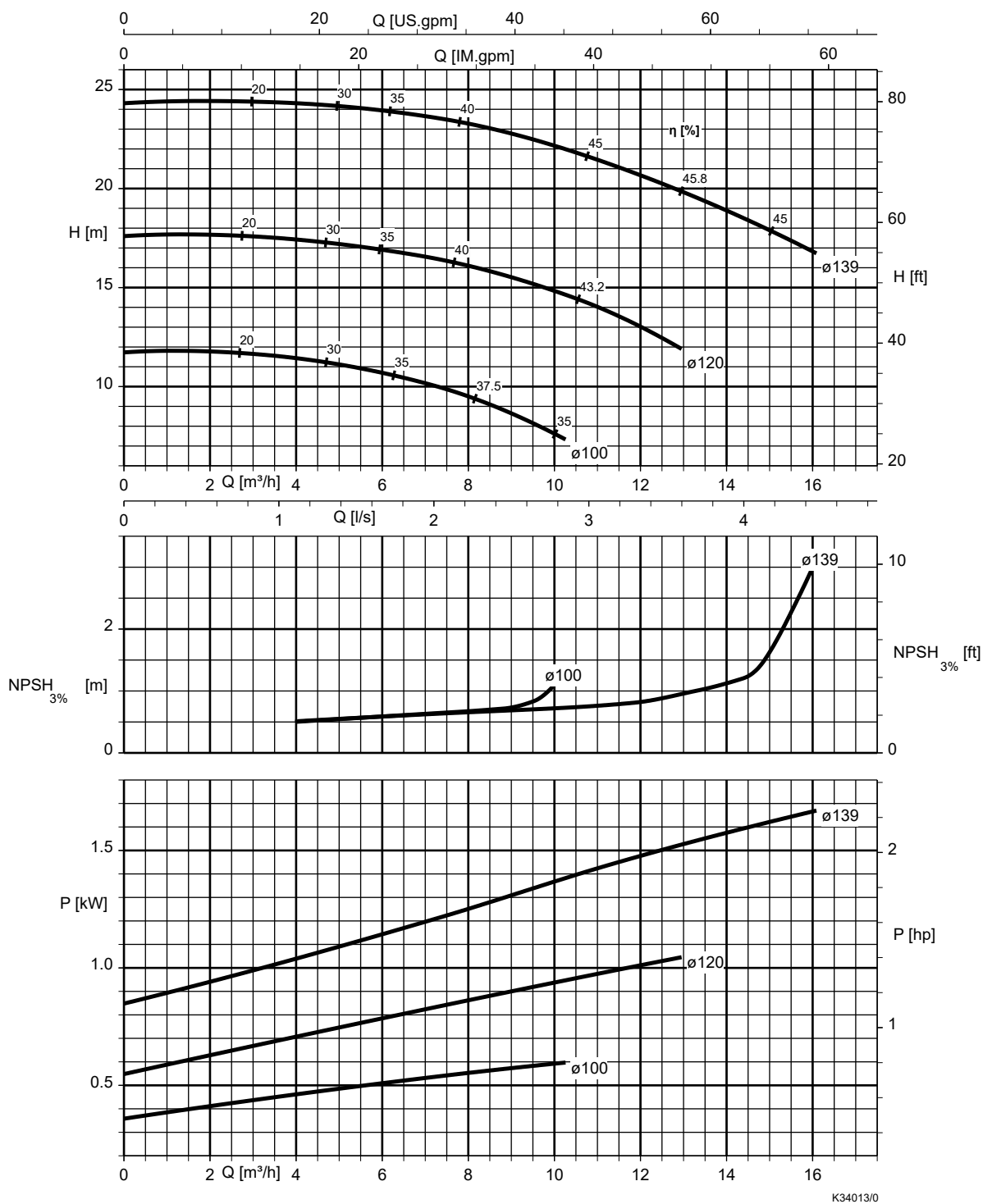
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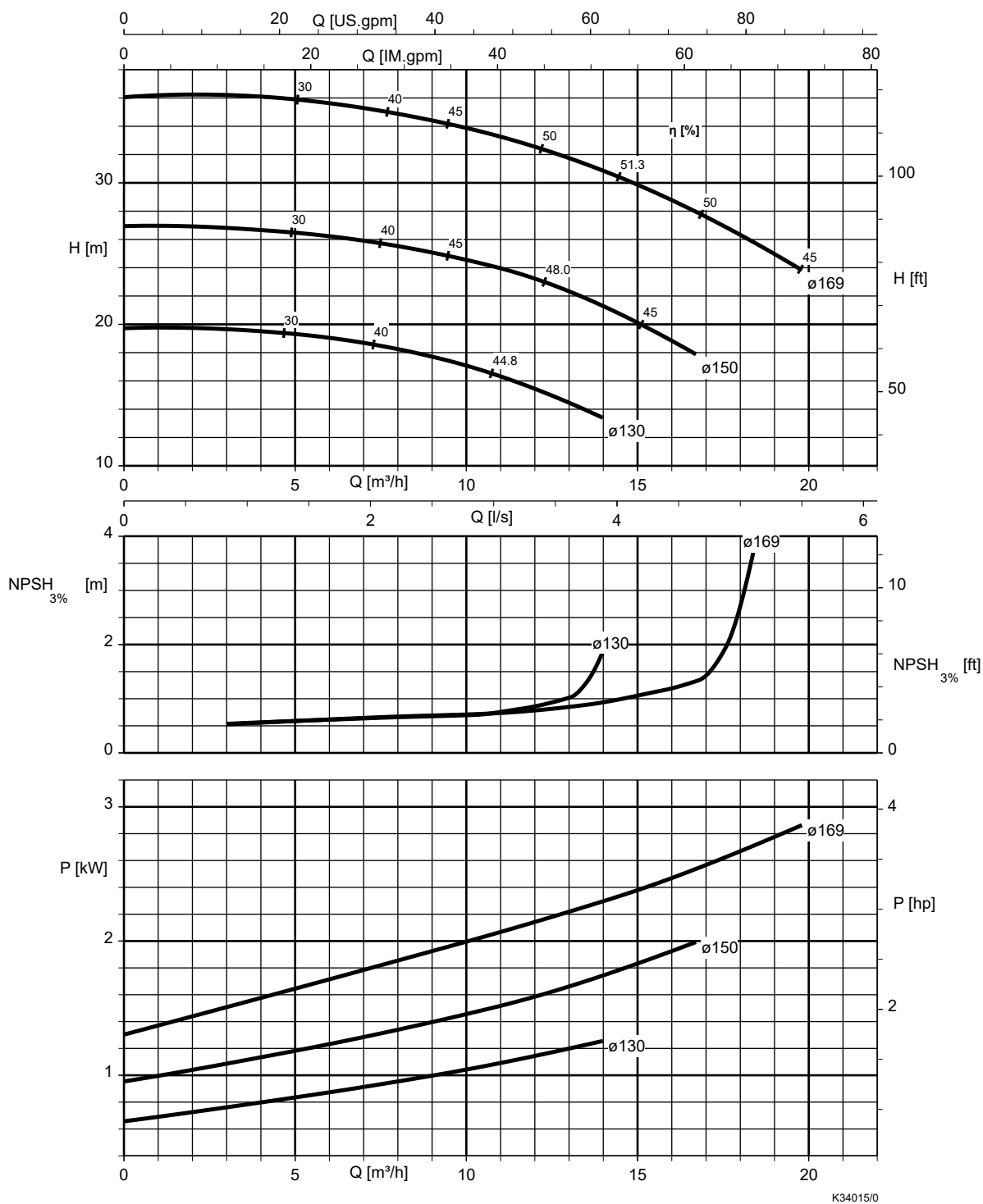


2730.458/01-IT

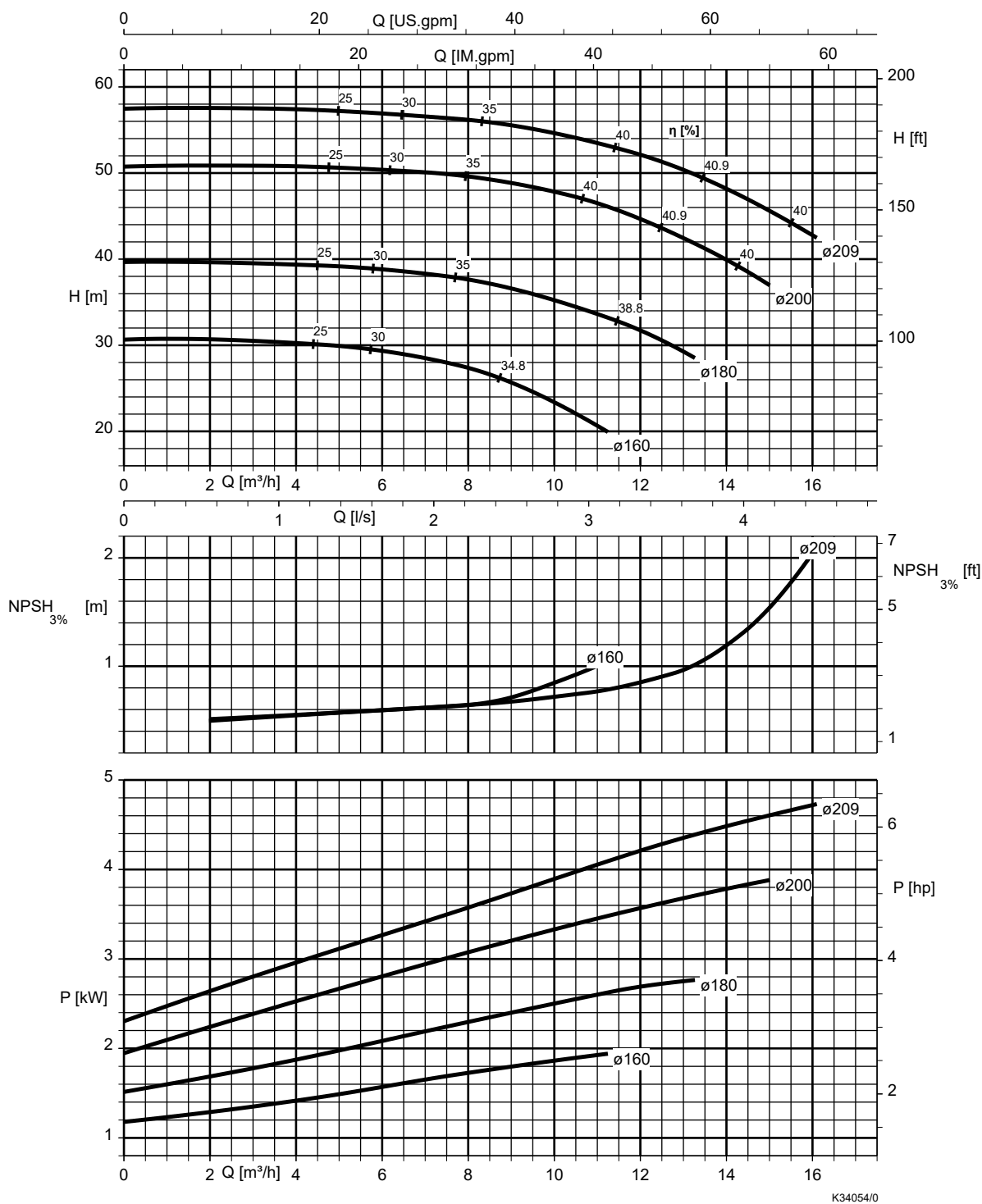
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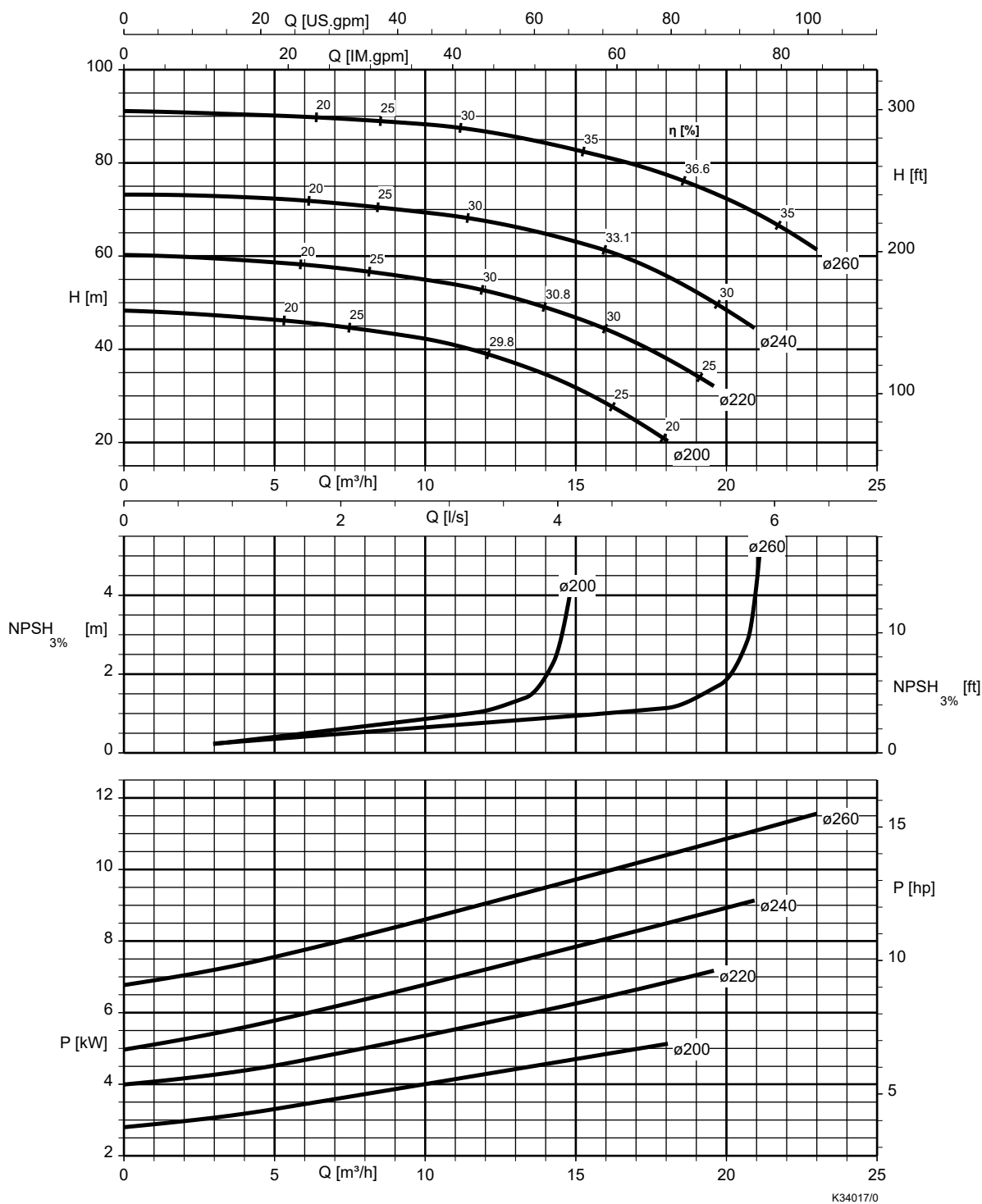
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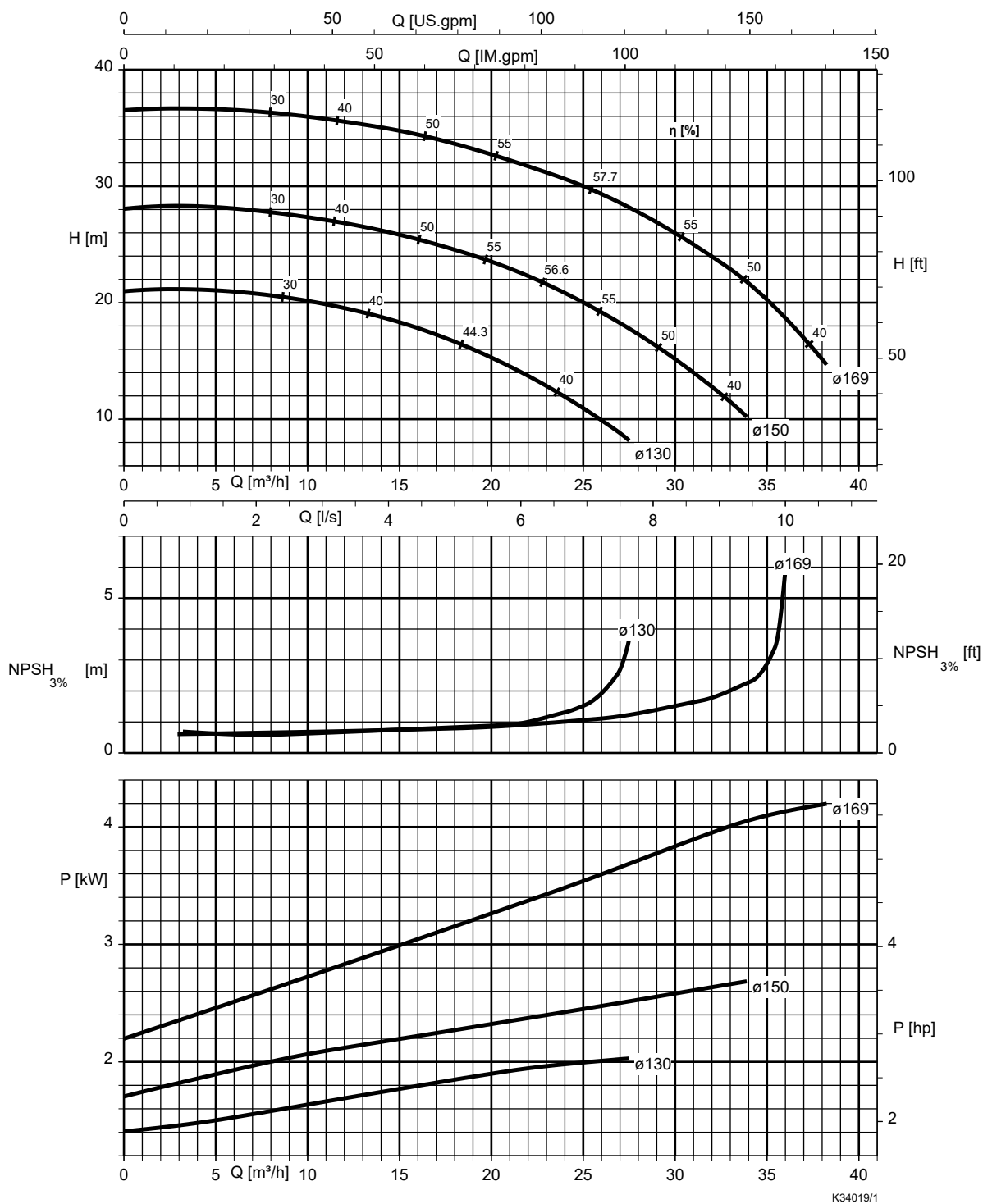
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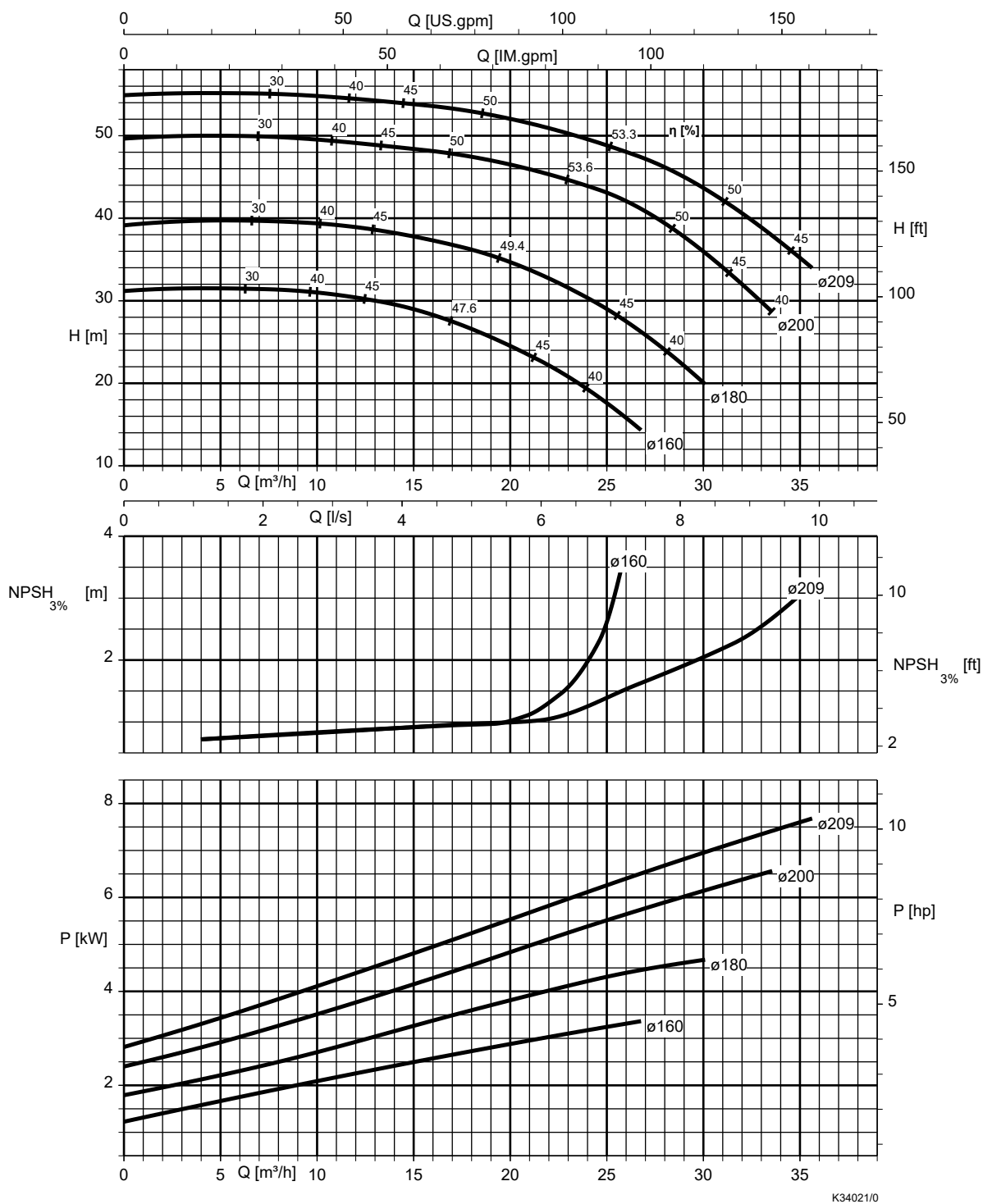
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CPKNO 40-160, n = 2900 giri/min

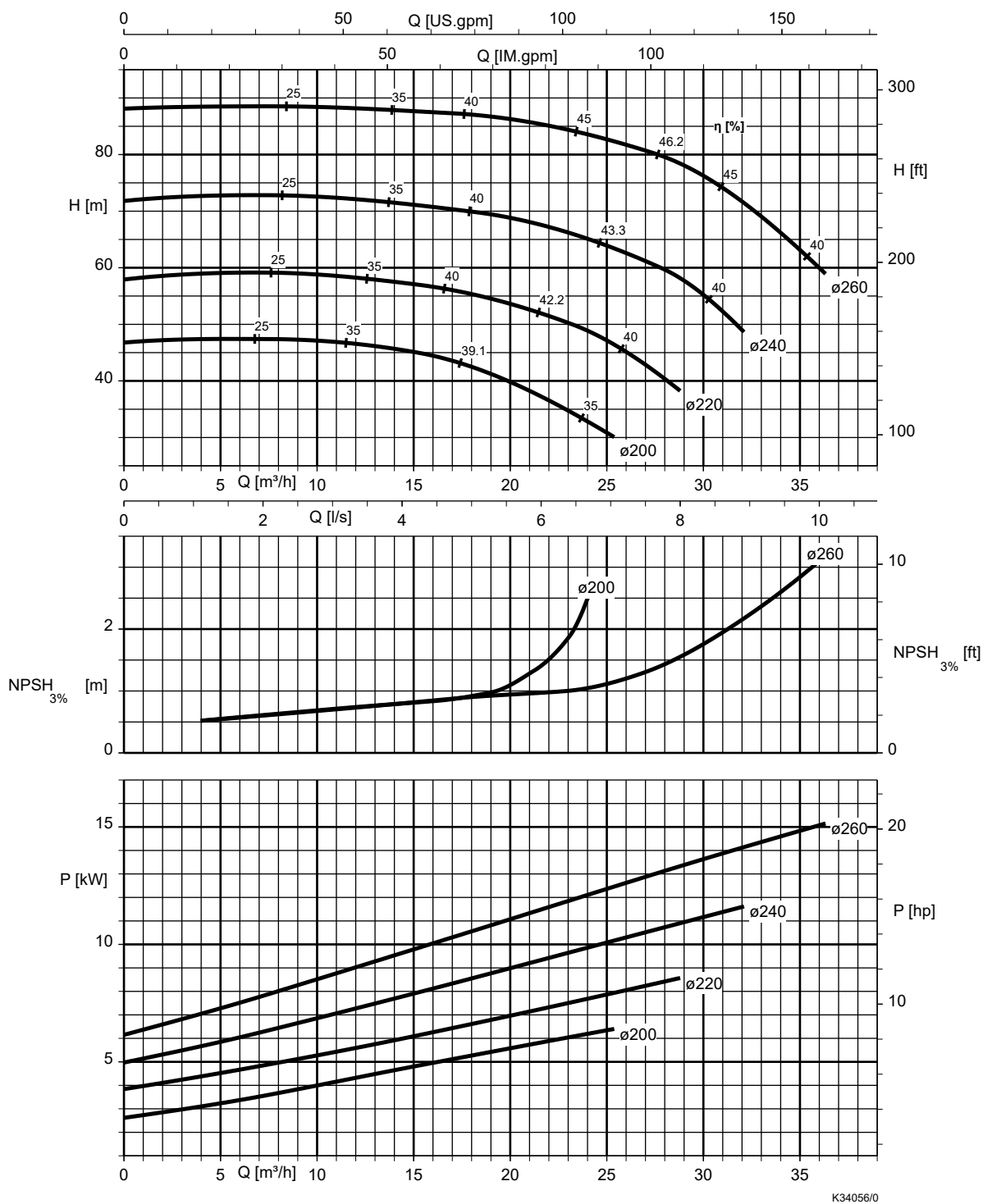


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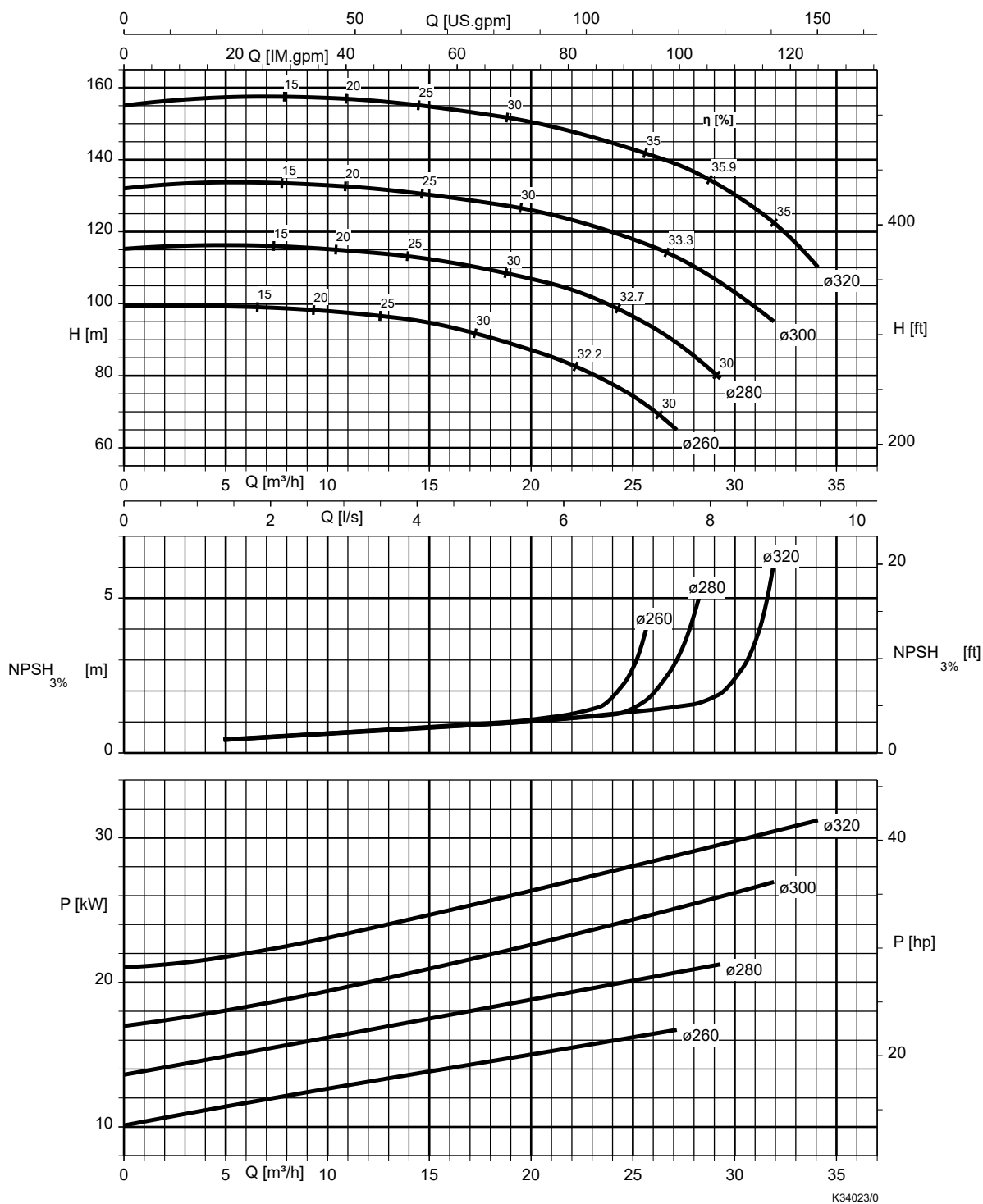


K34021/0

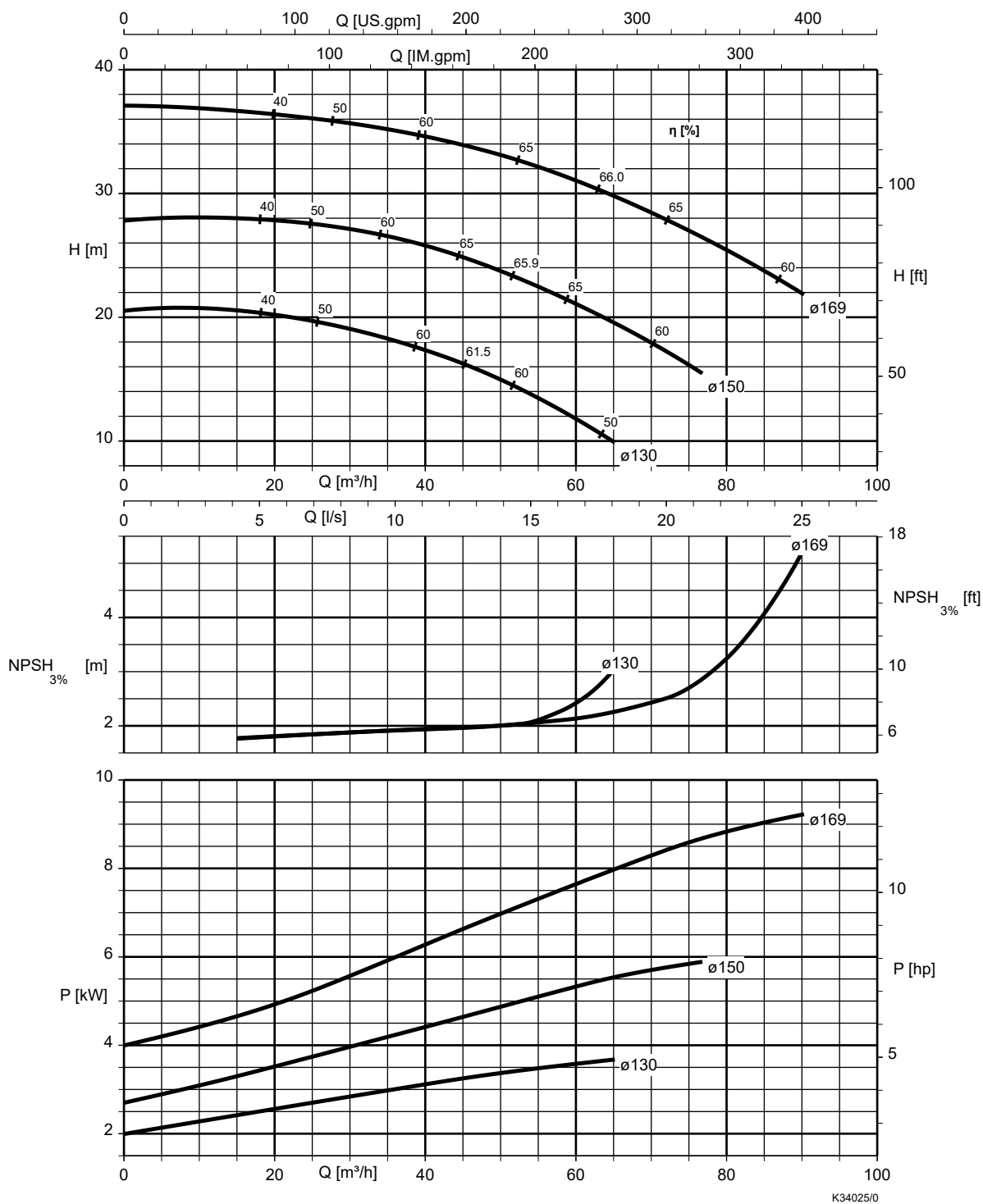
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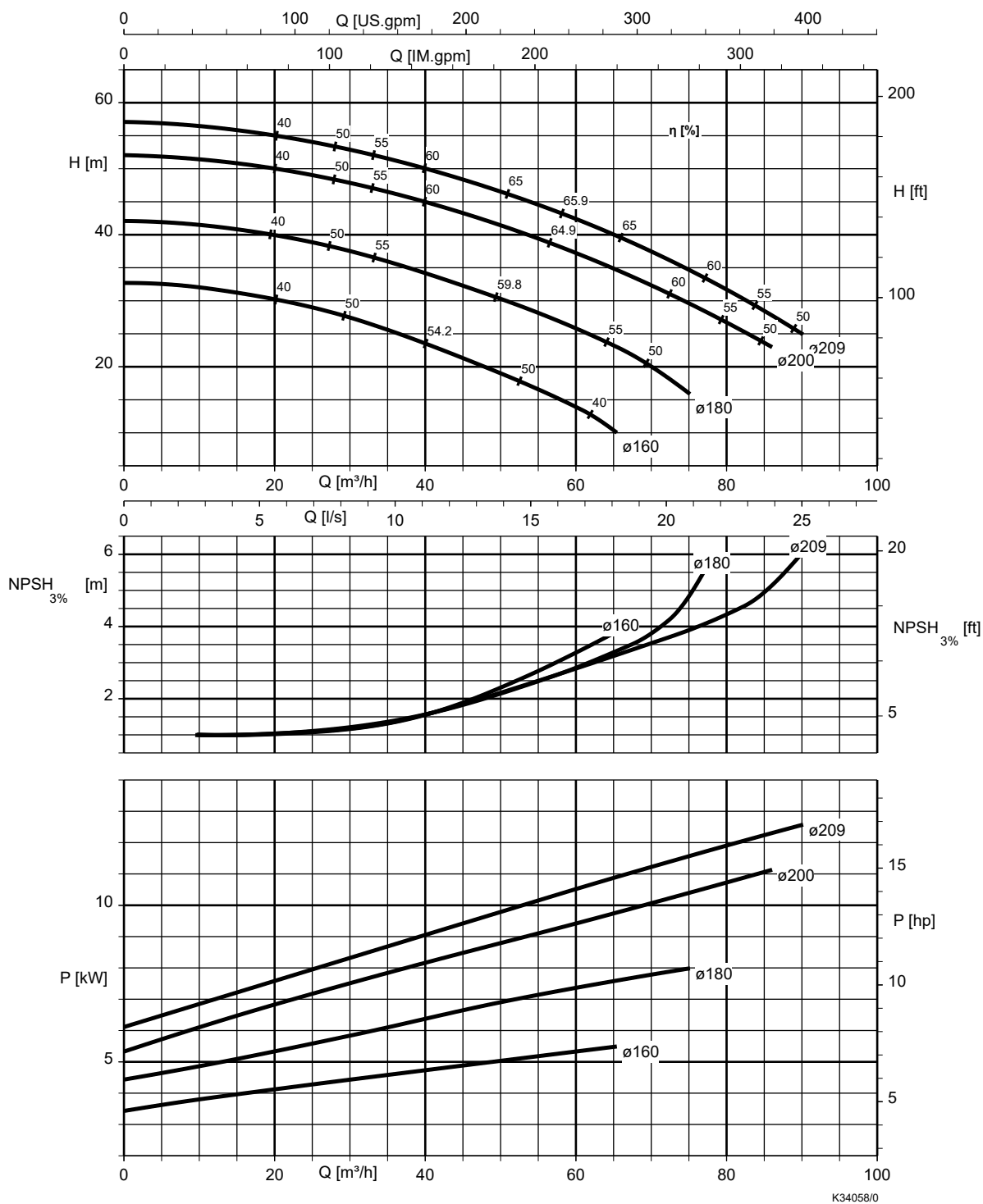
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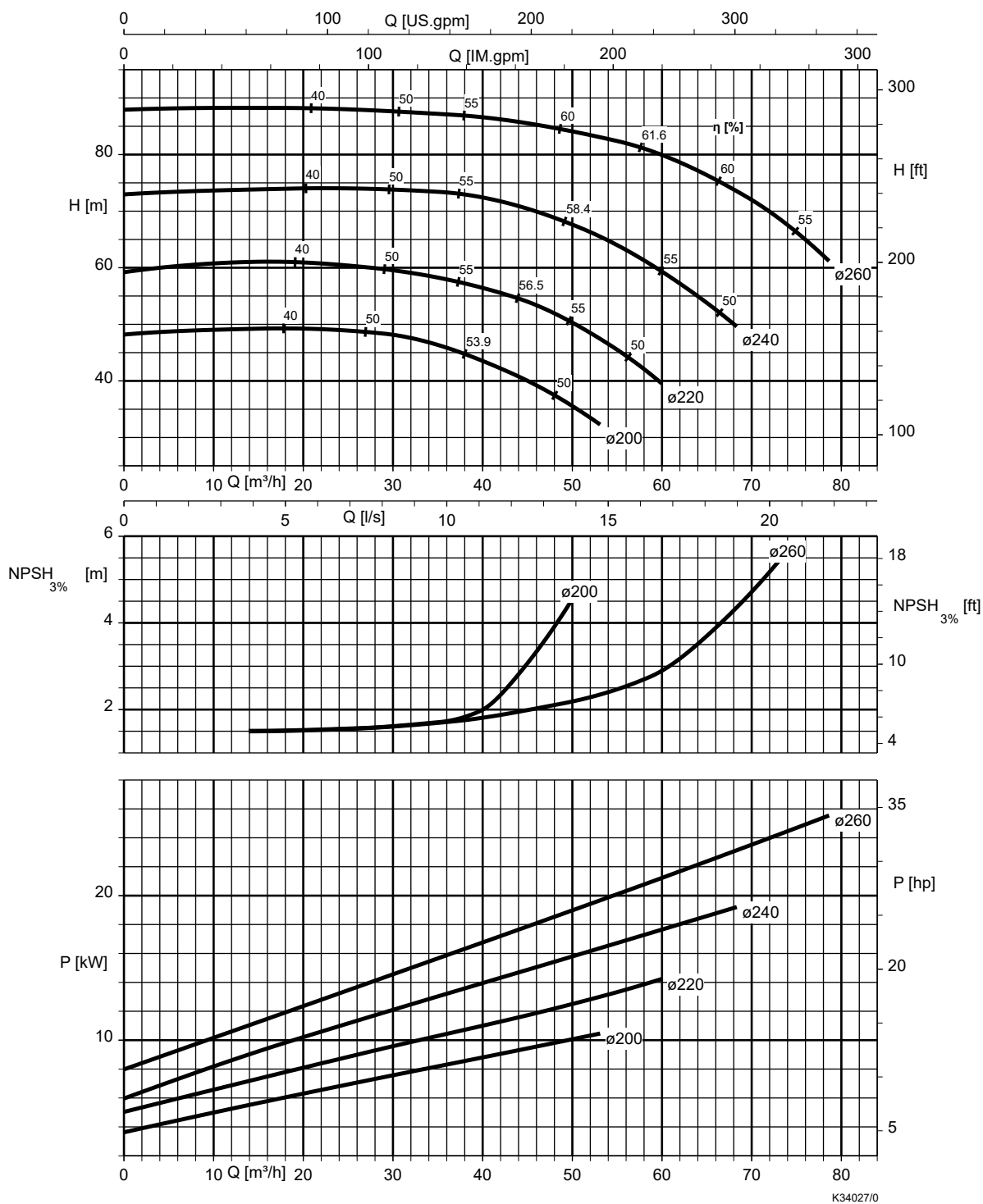
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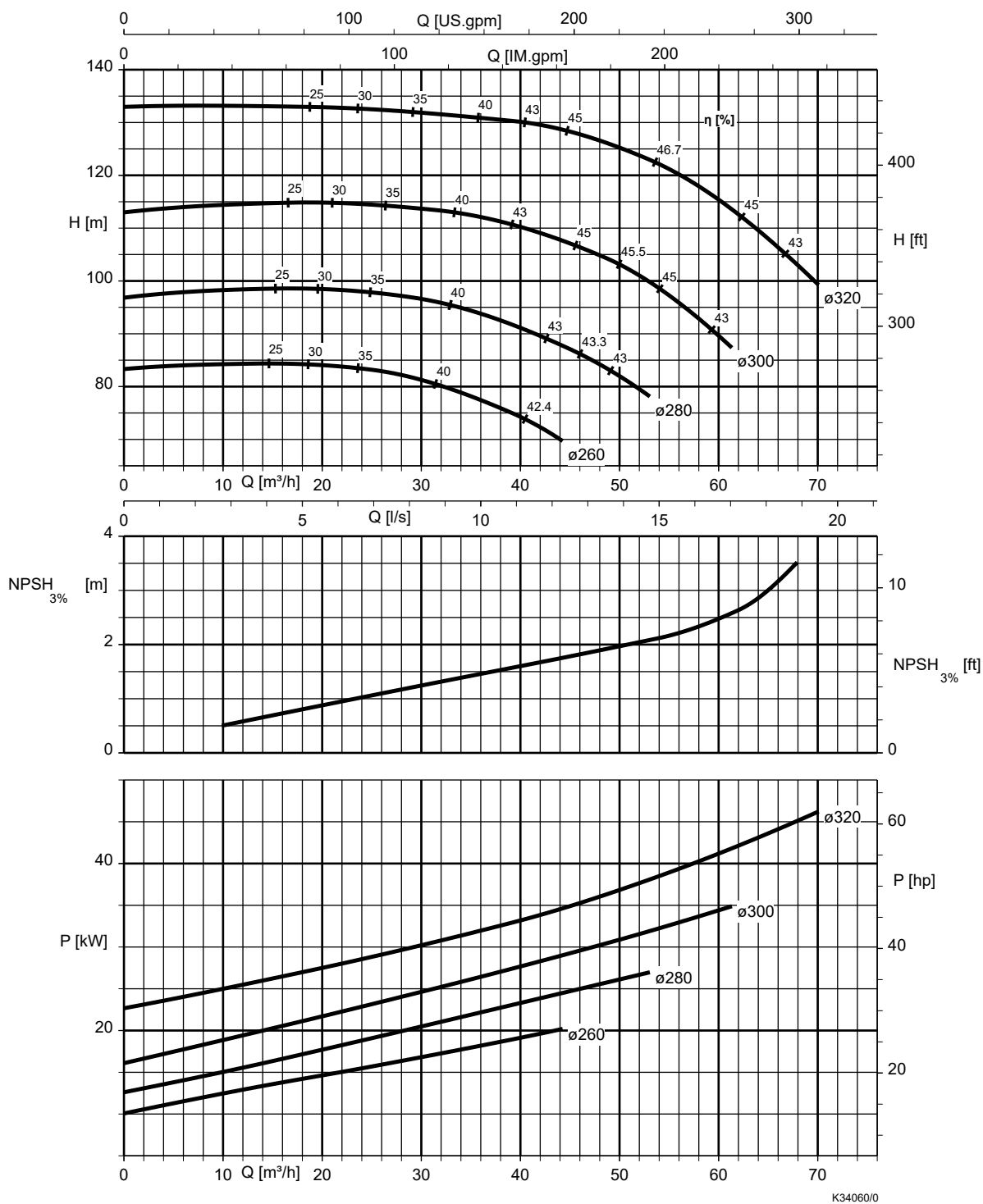
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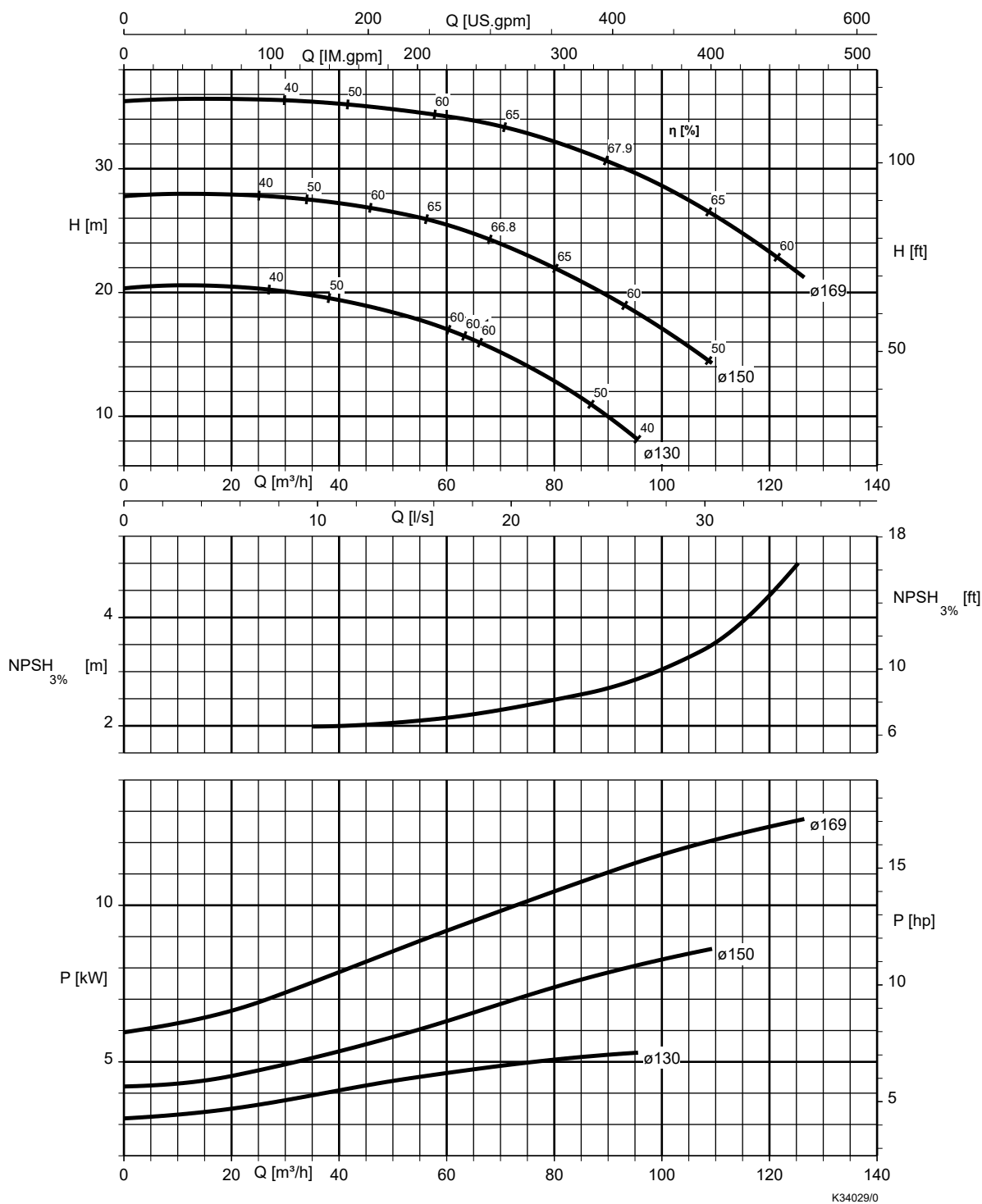
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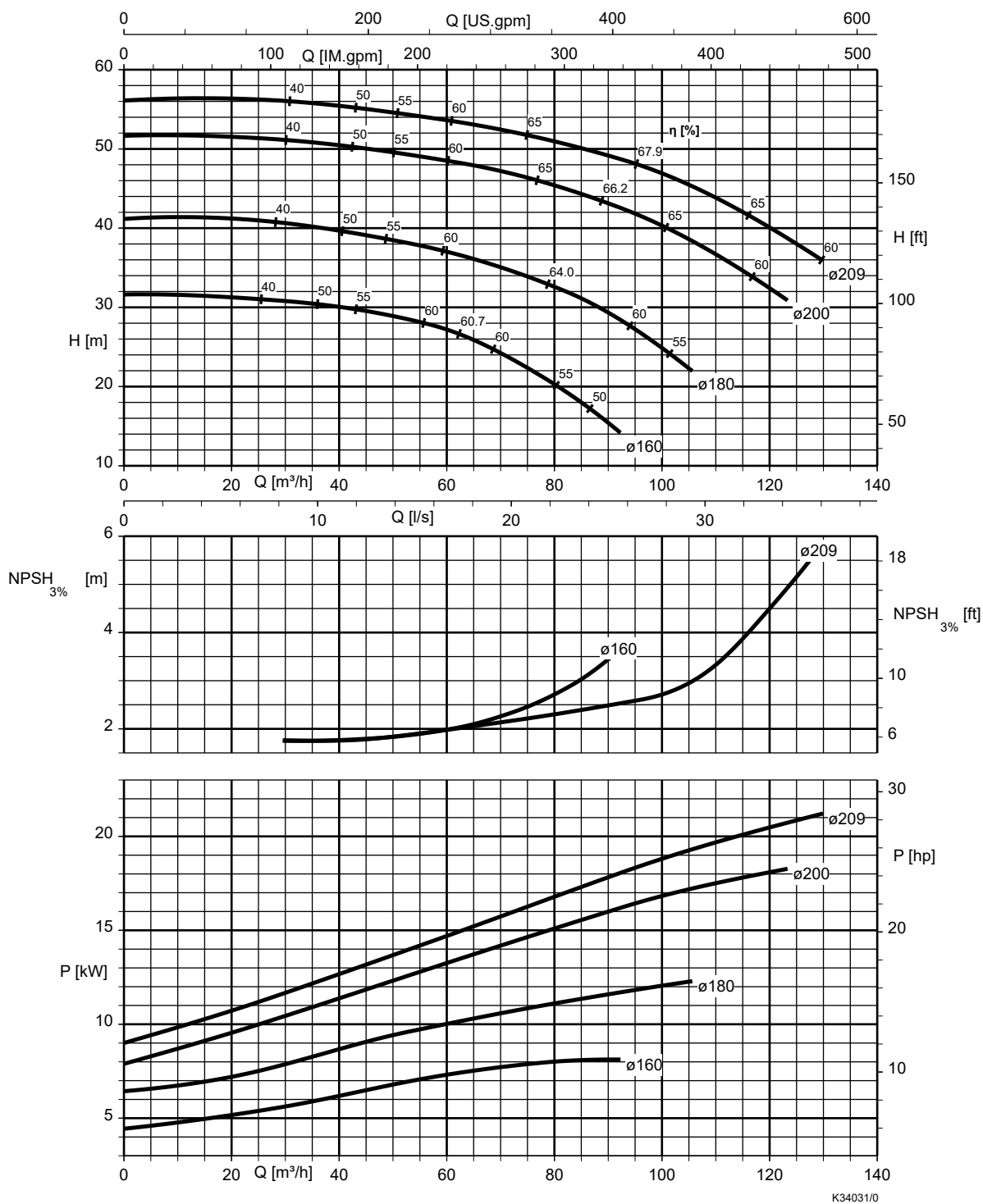
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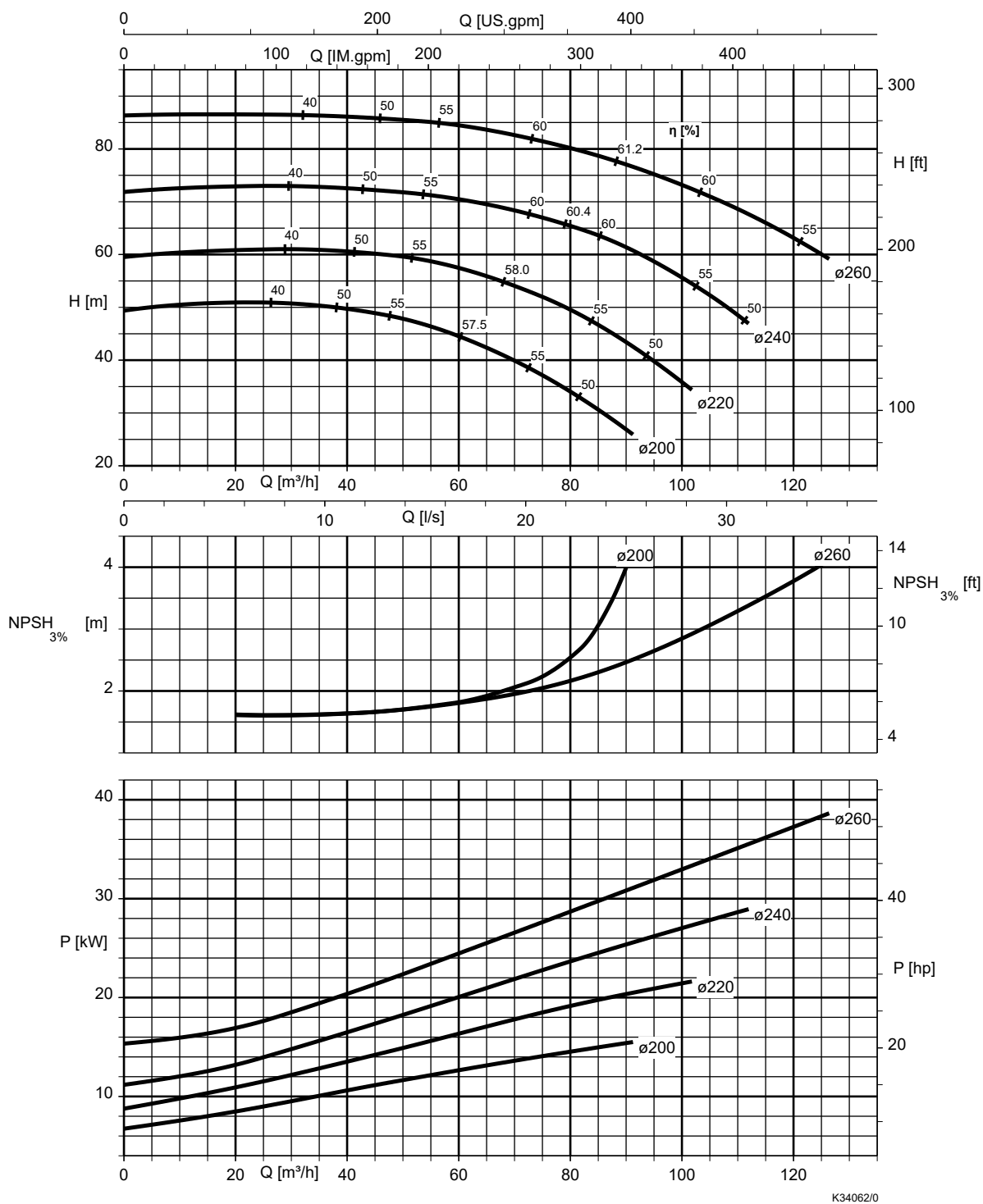
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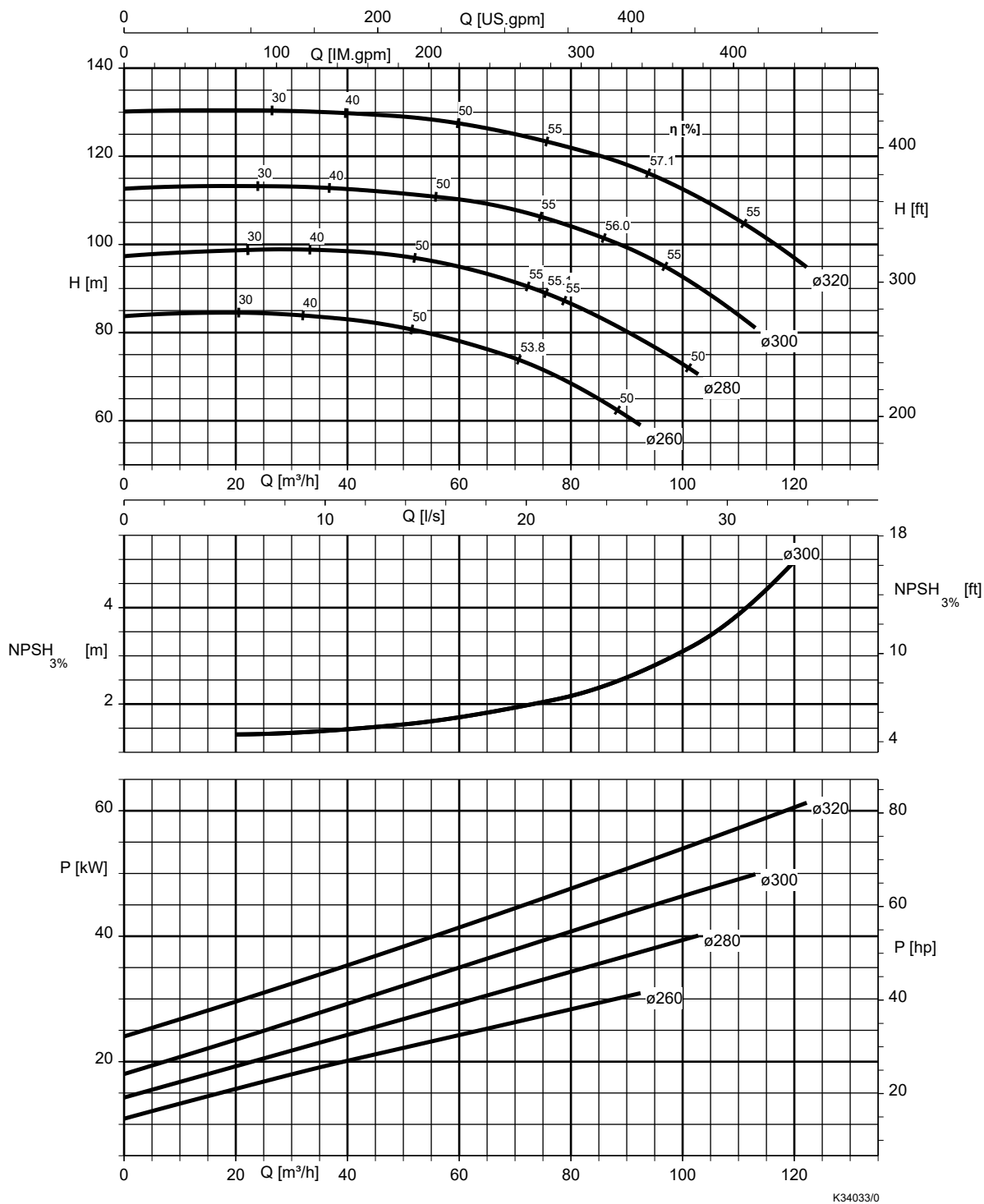
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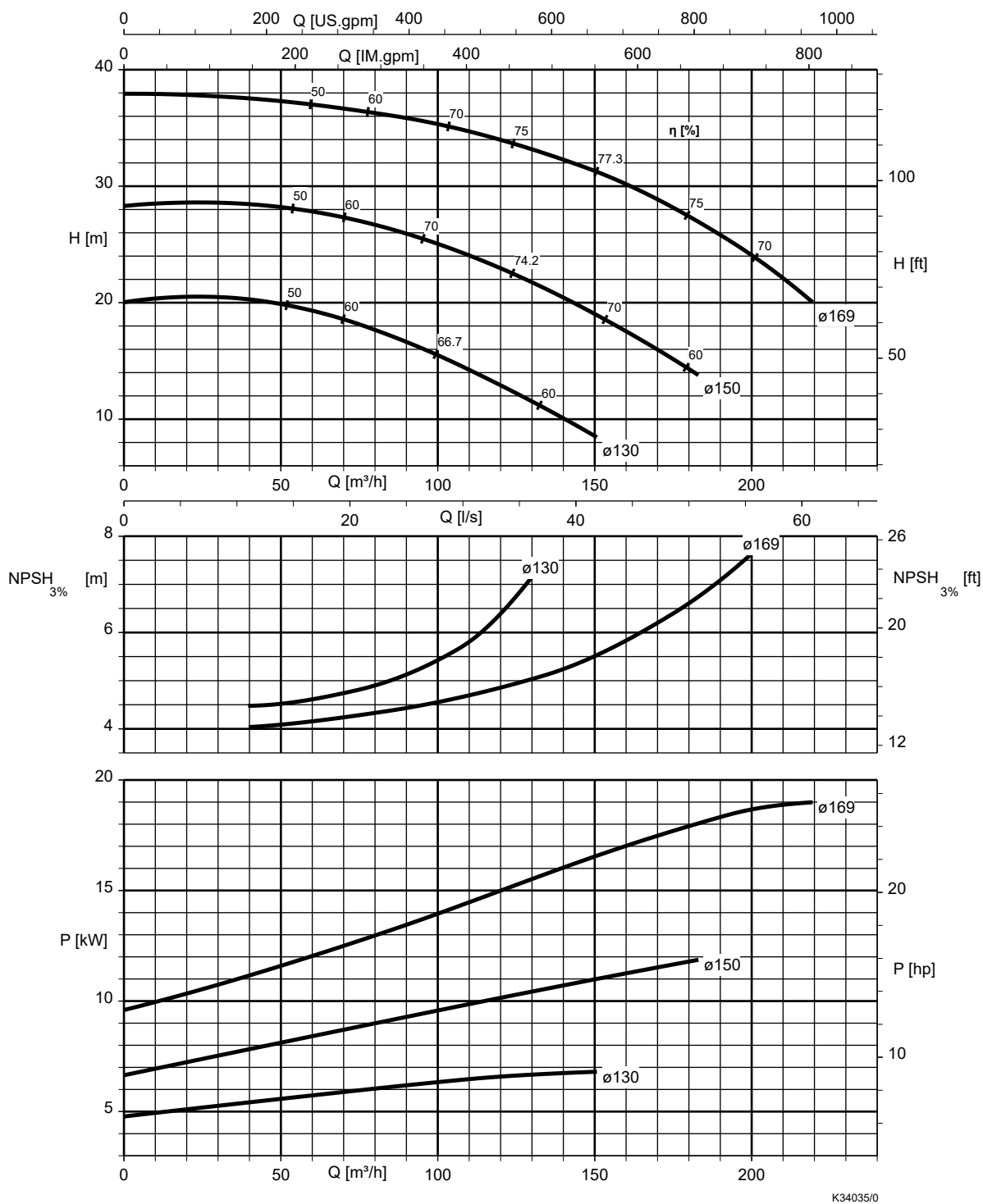


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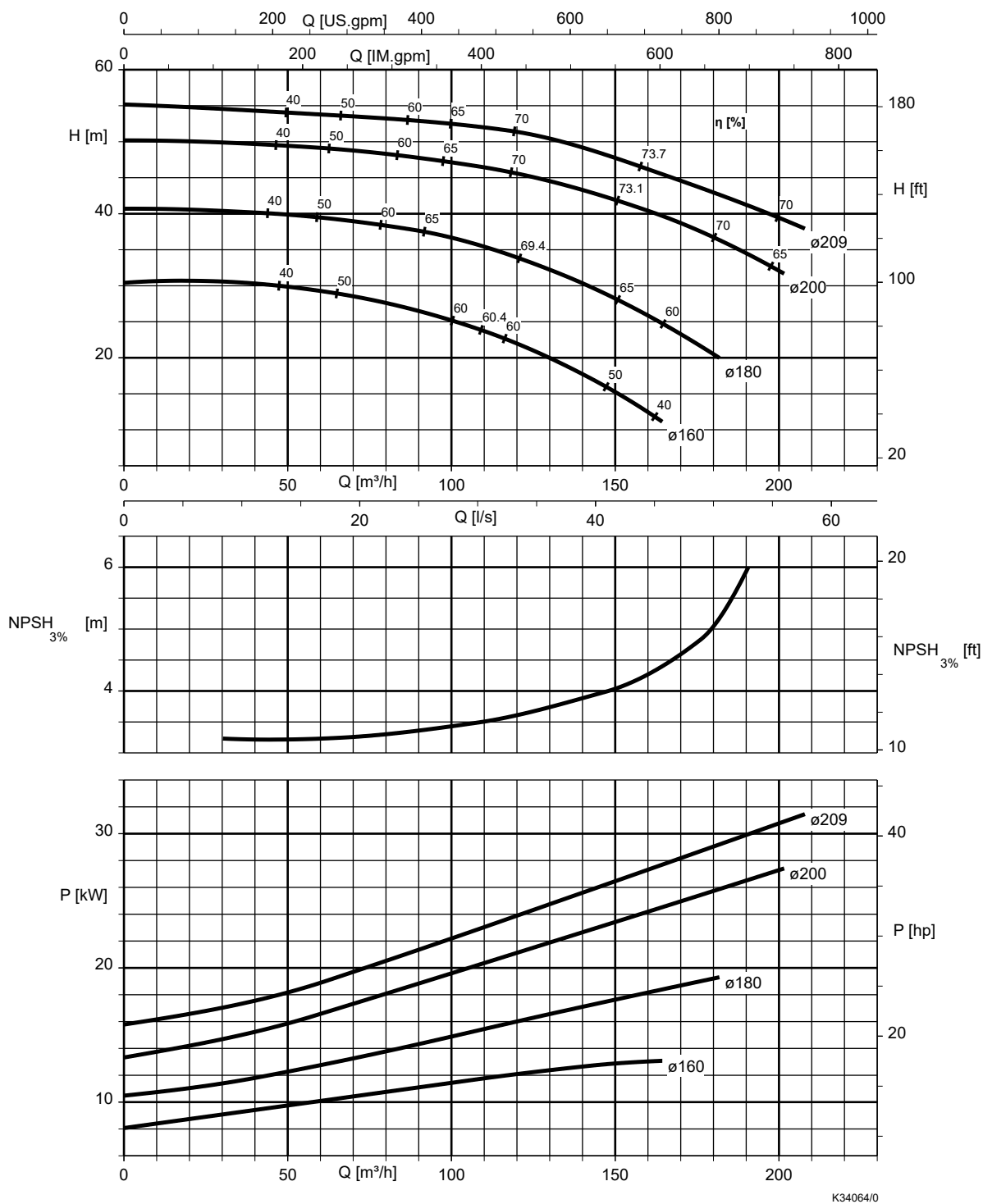


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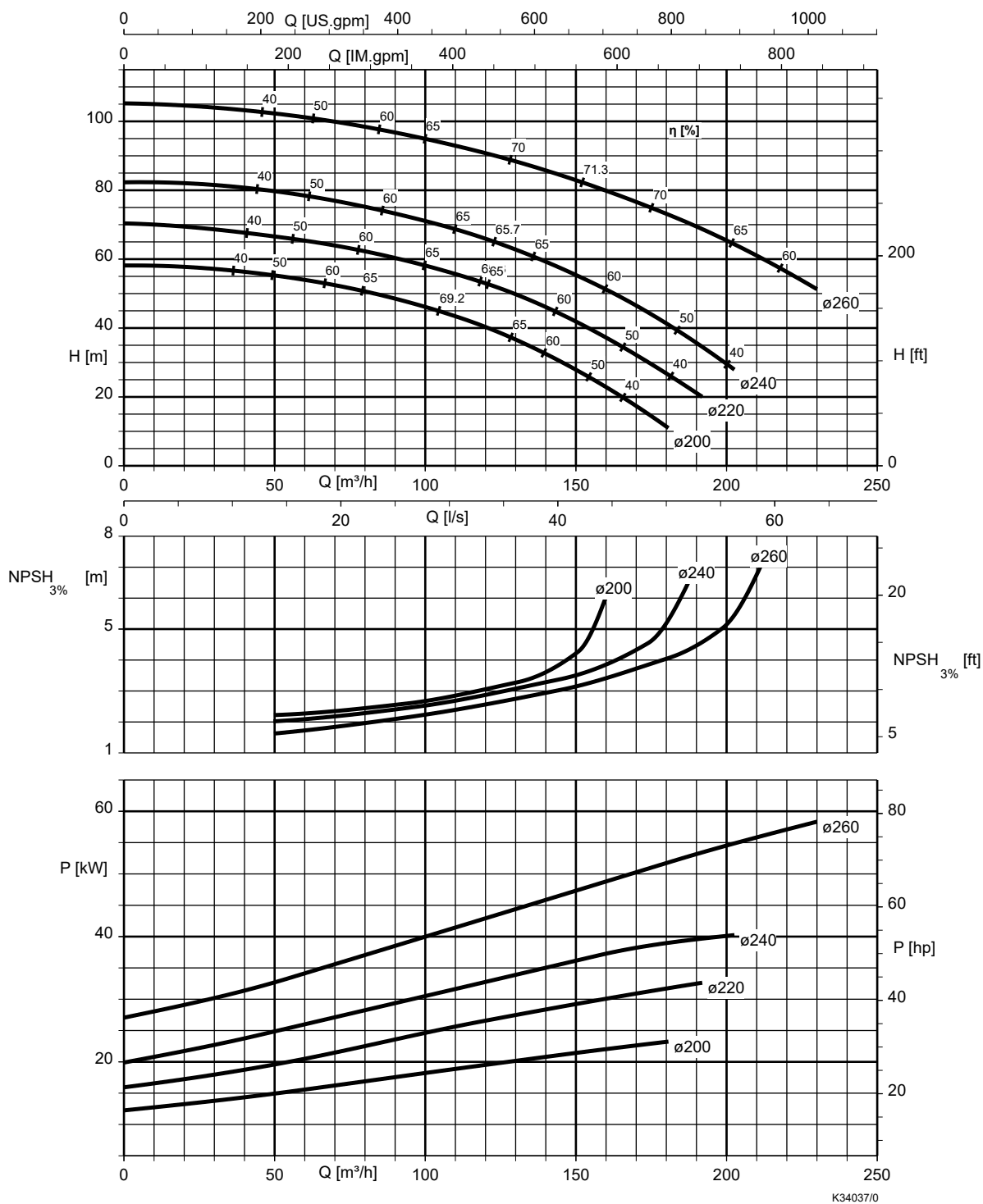
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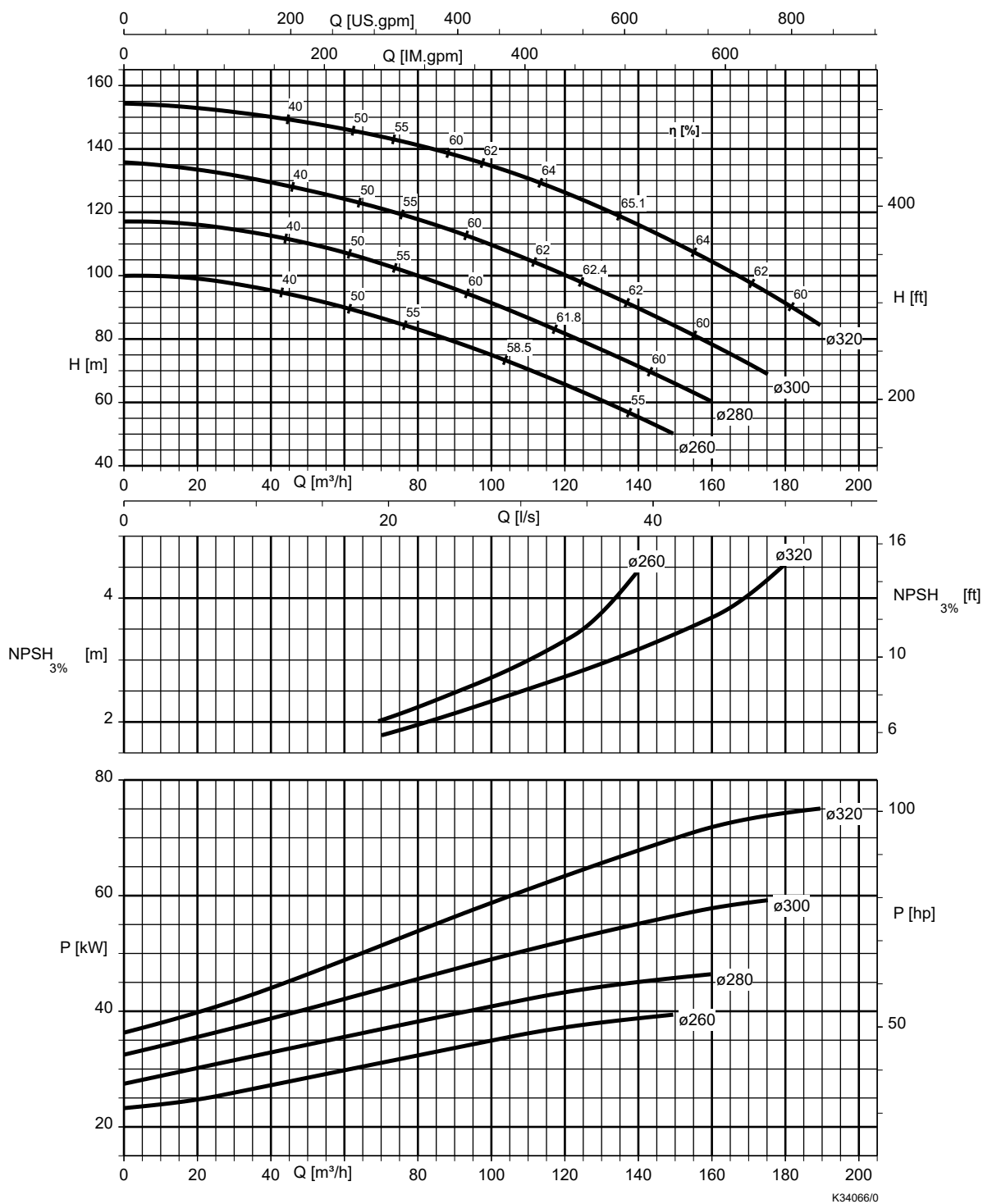
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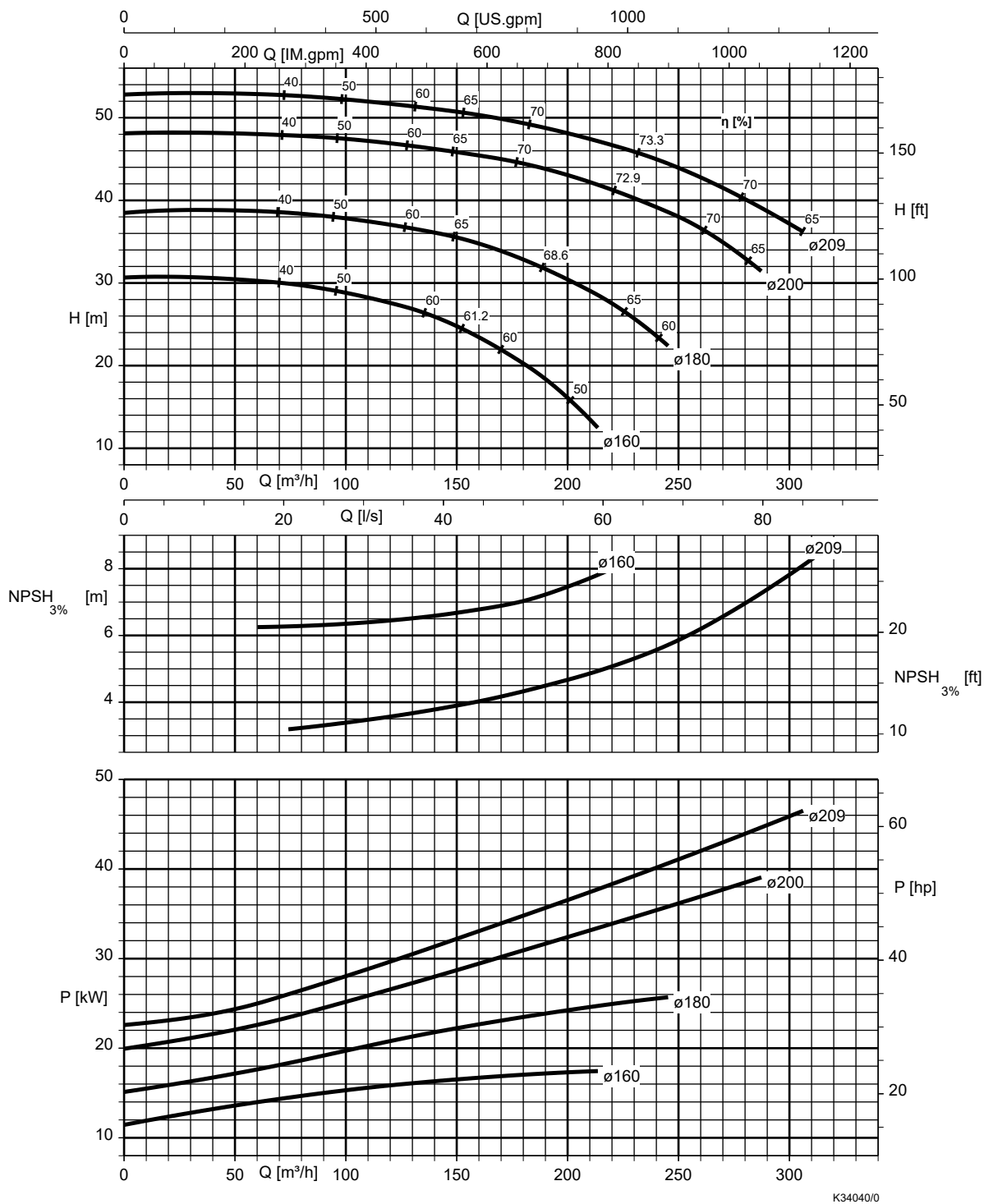
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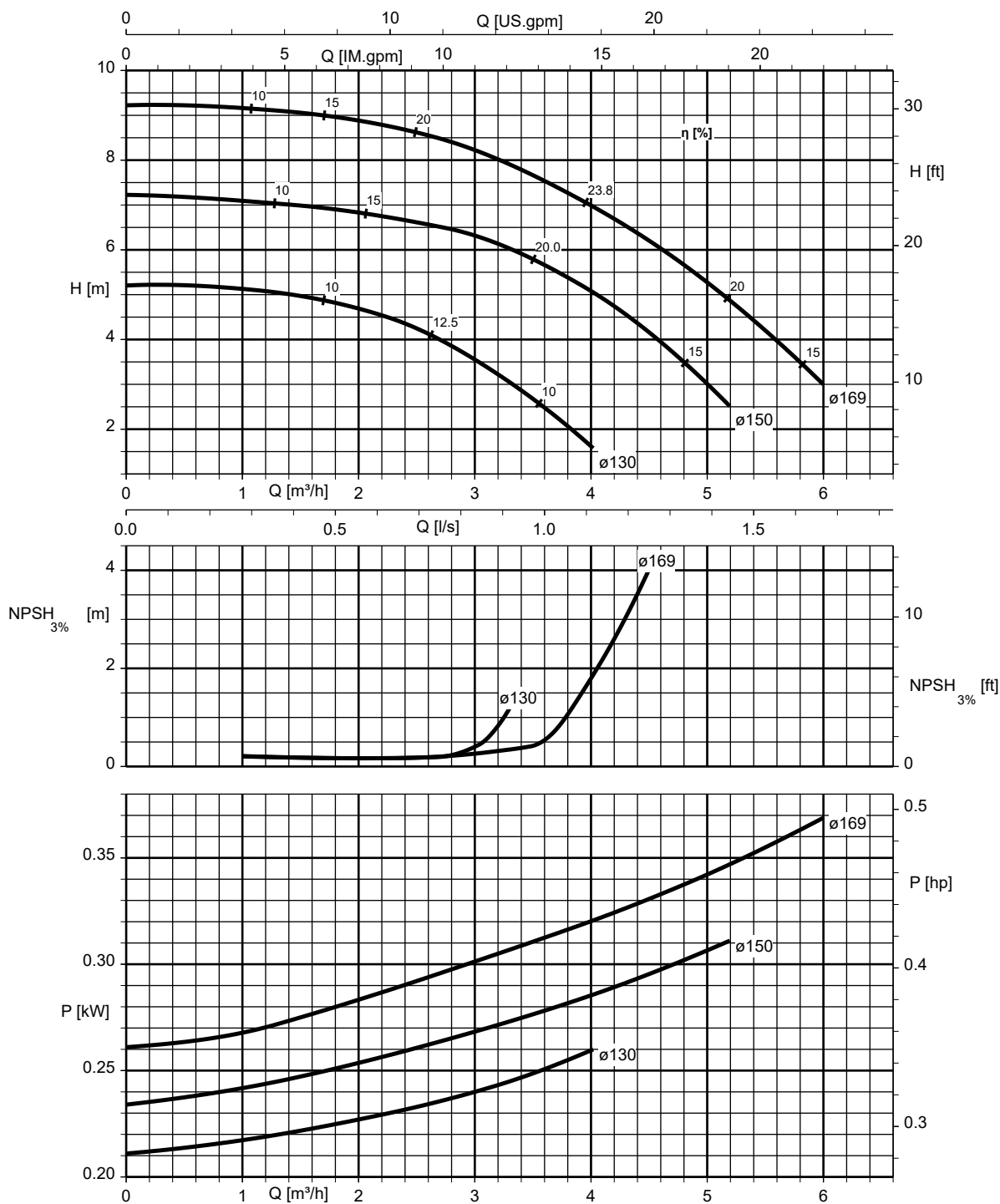


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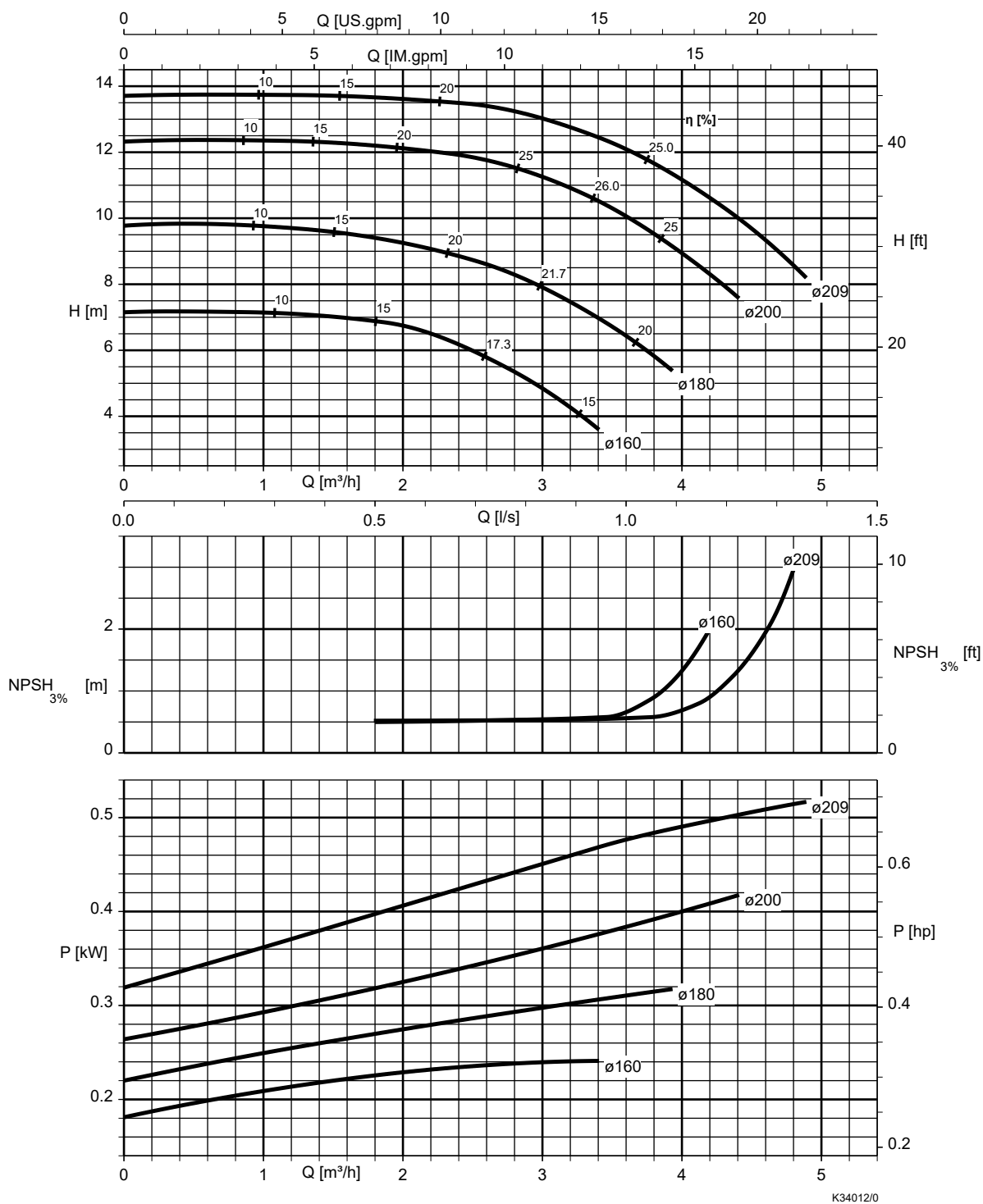
$n = 1450$ giri/min

CPKNO 25-160, $n = 1450$ giri/min

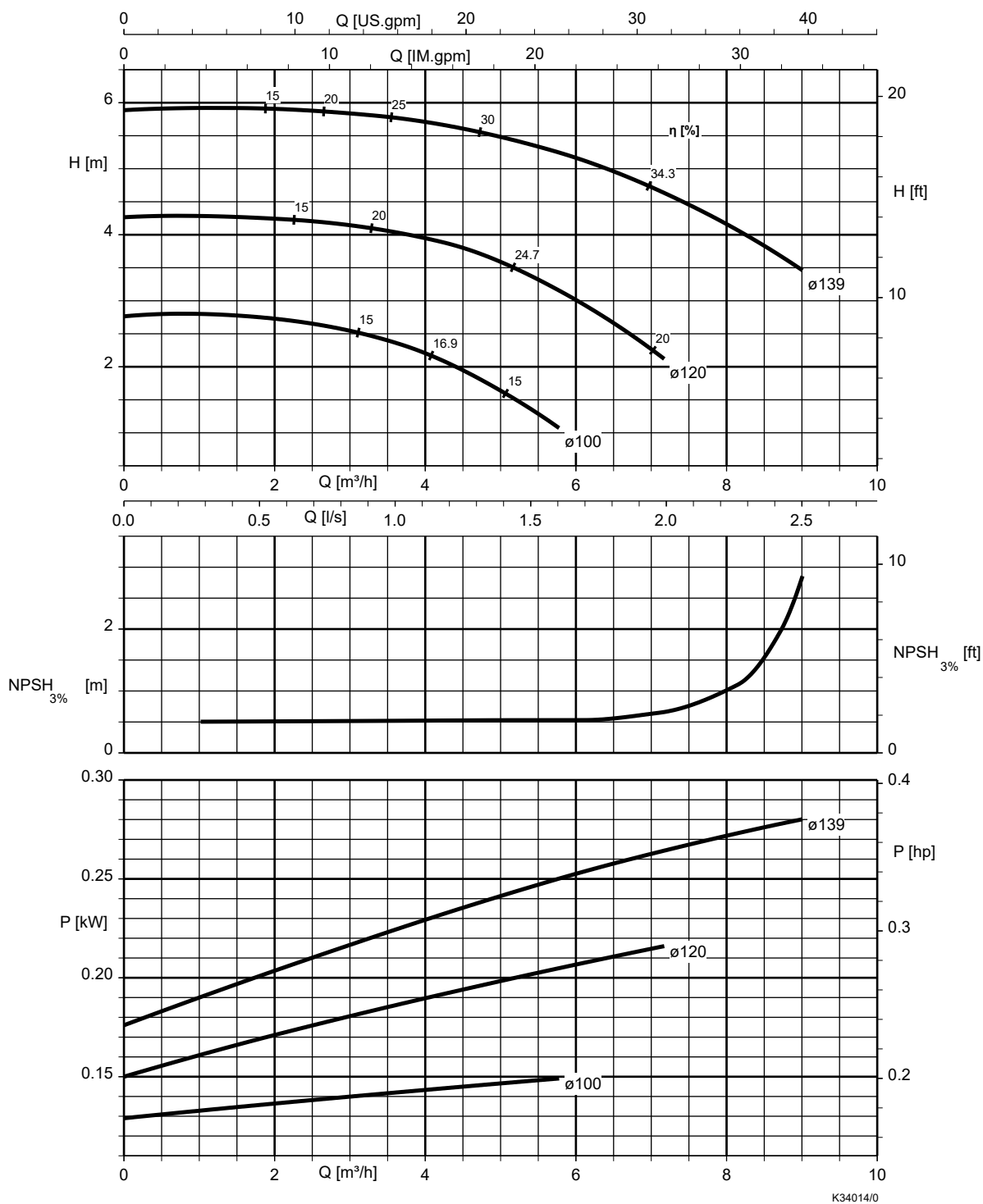


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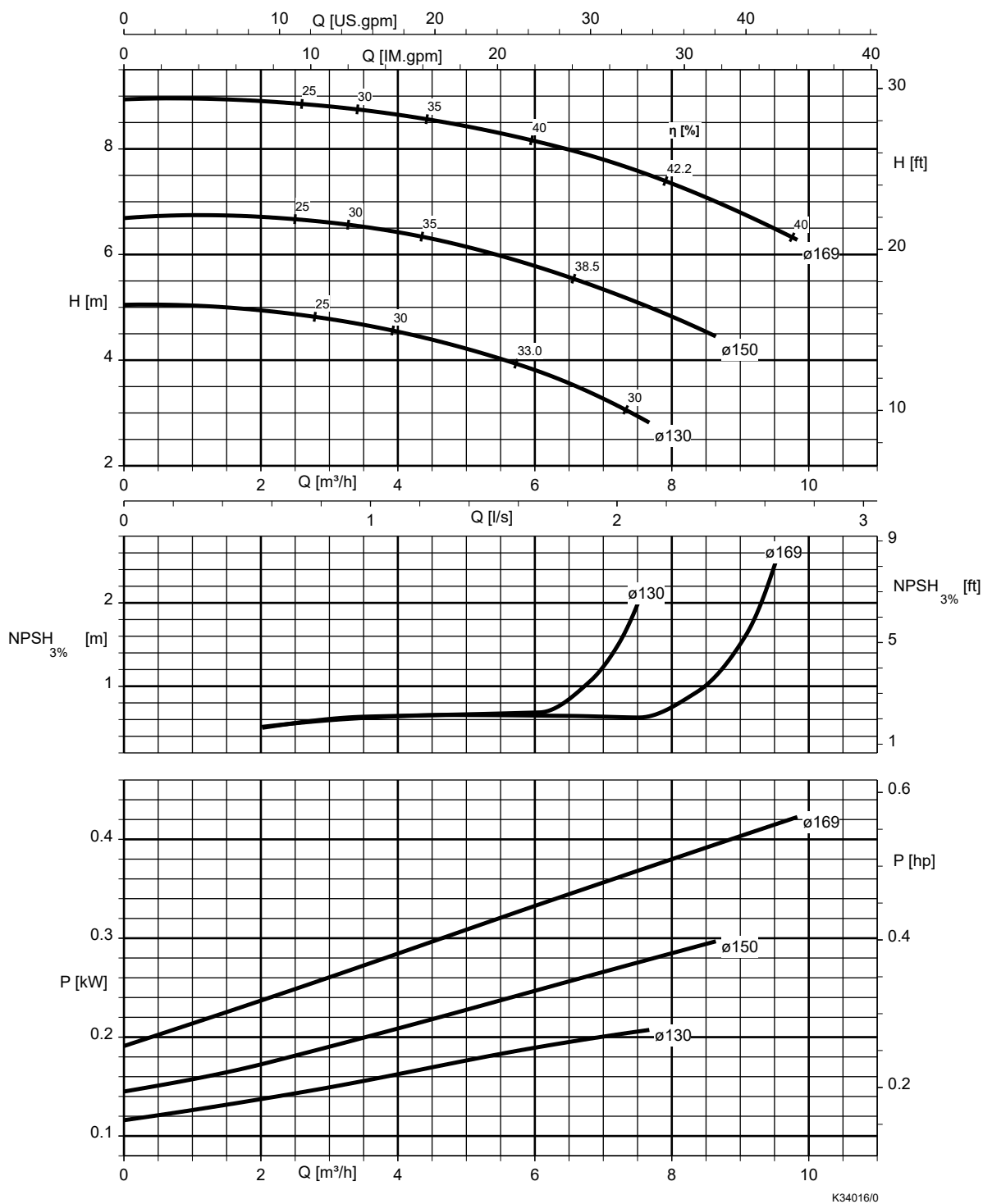
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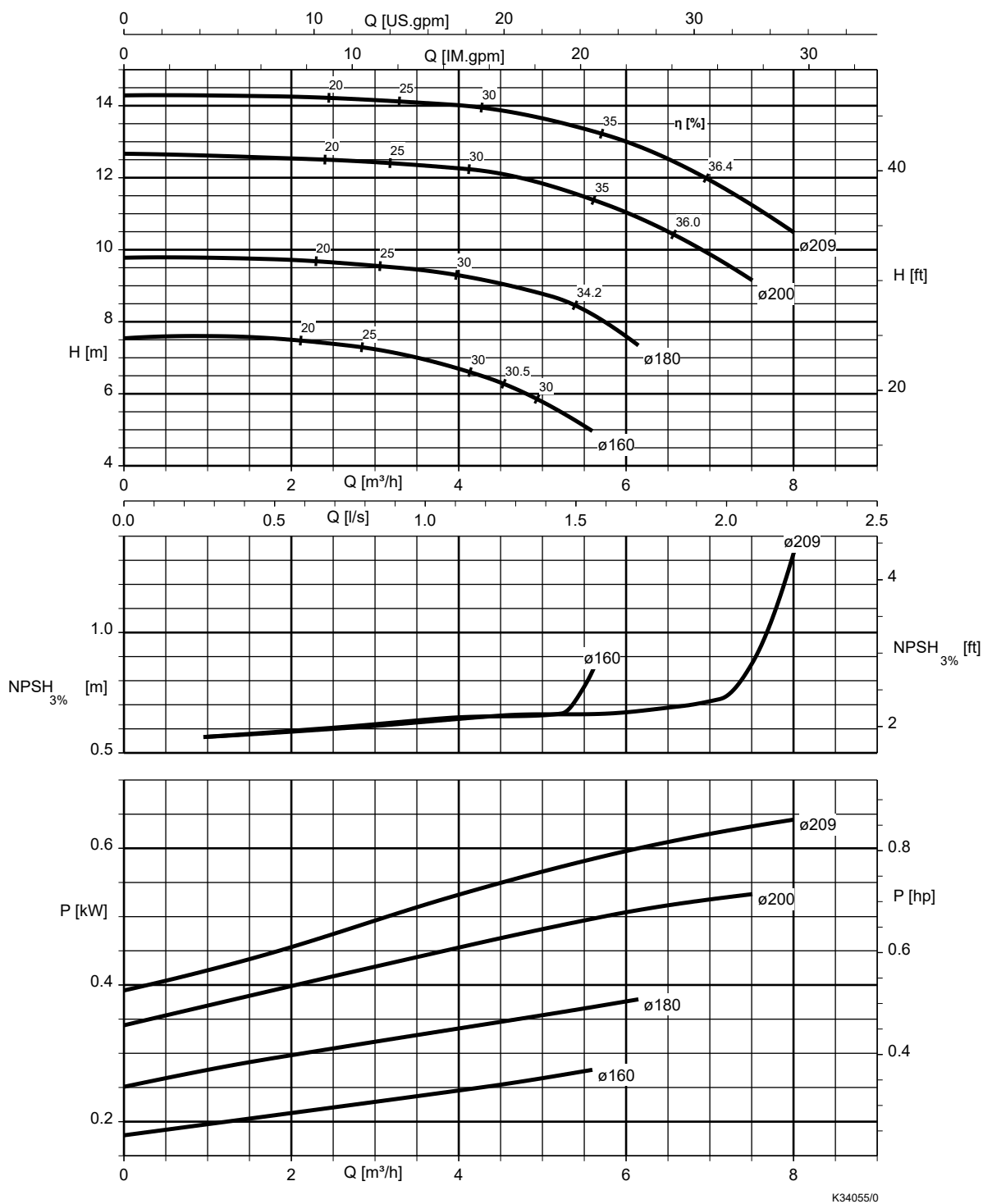
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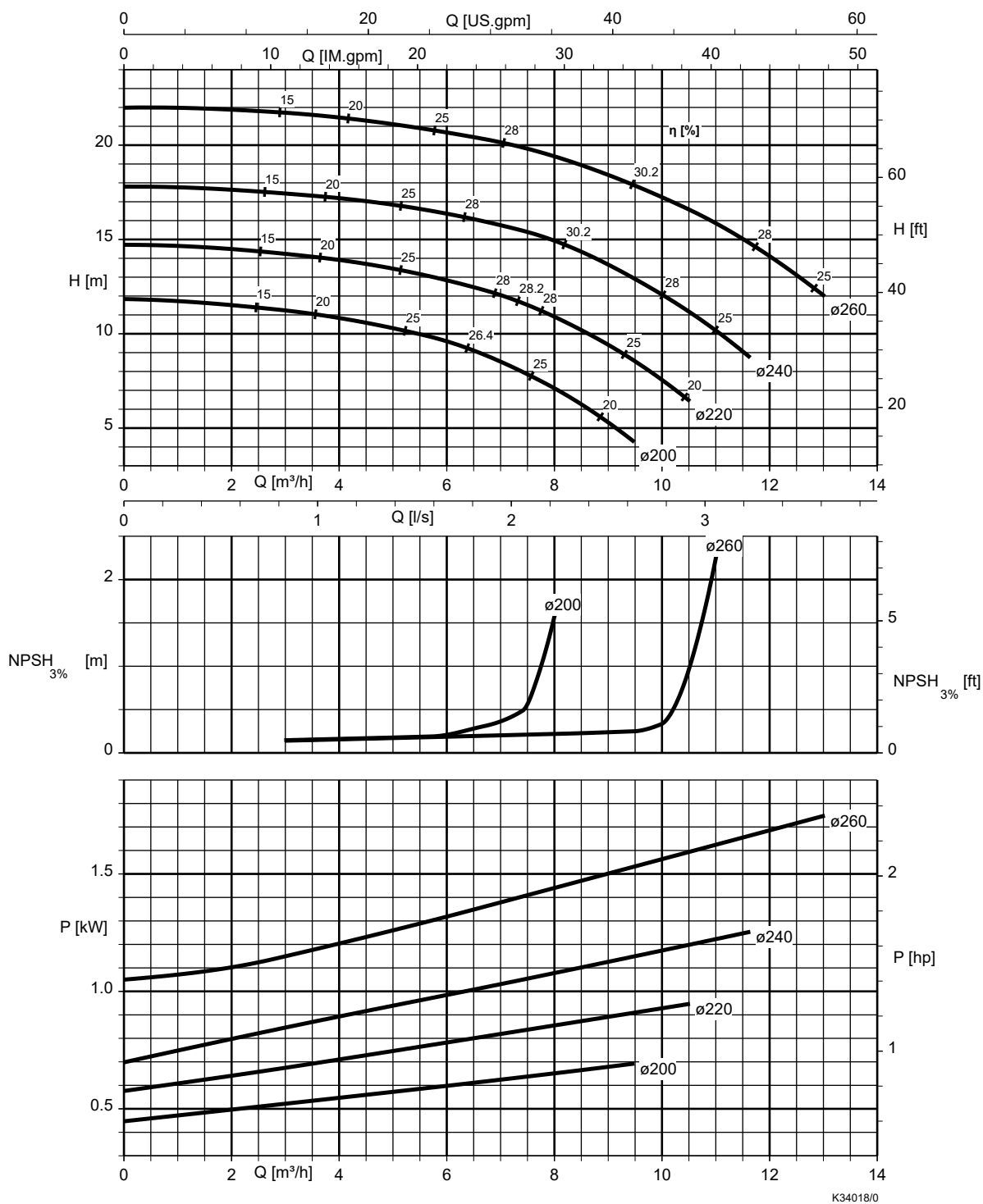
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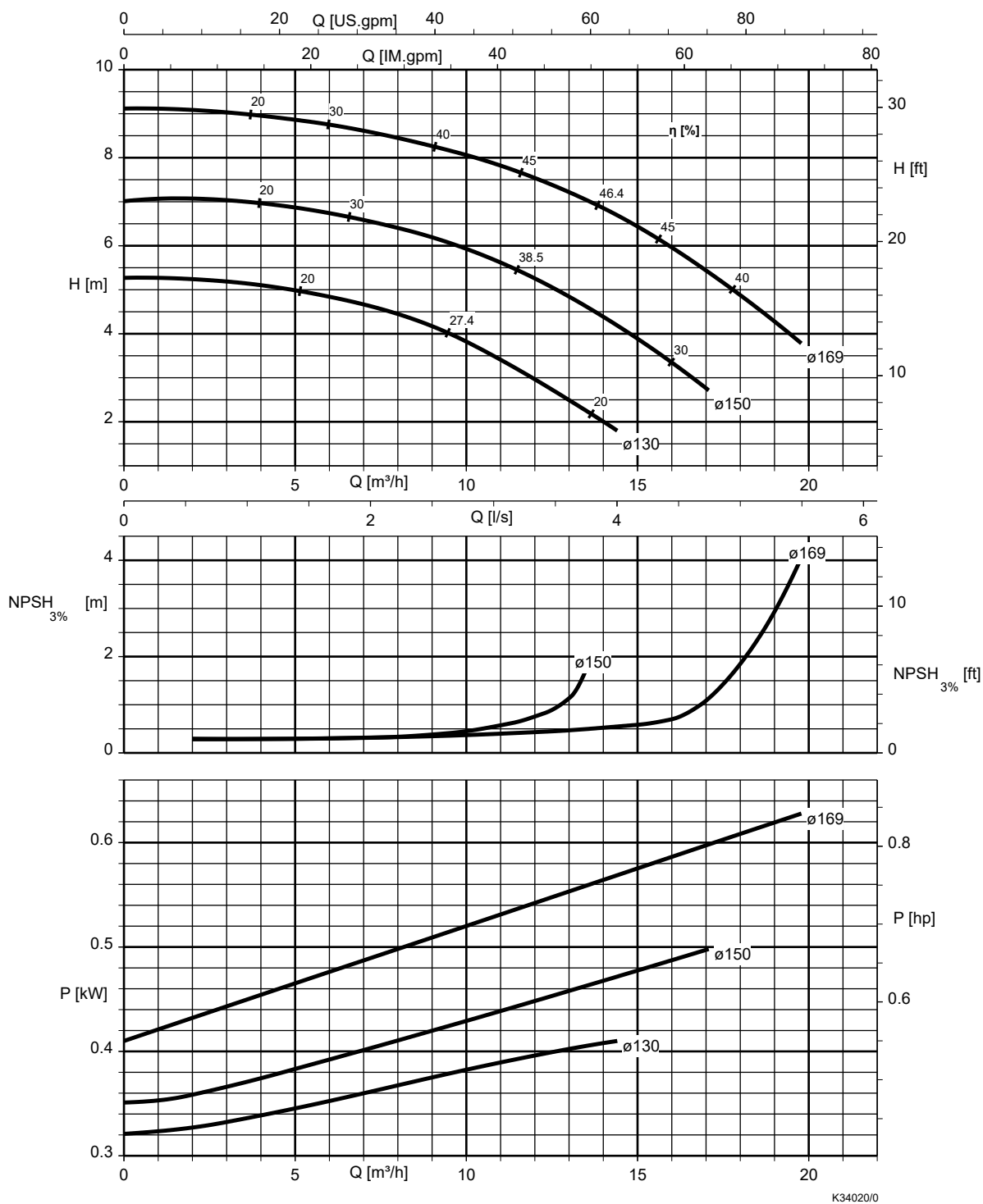


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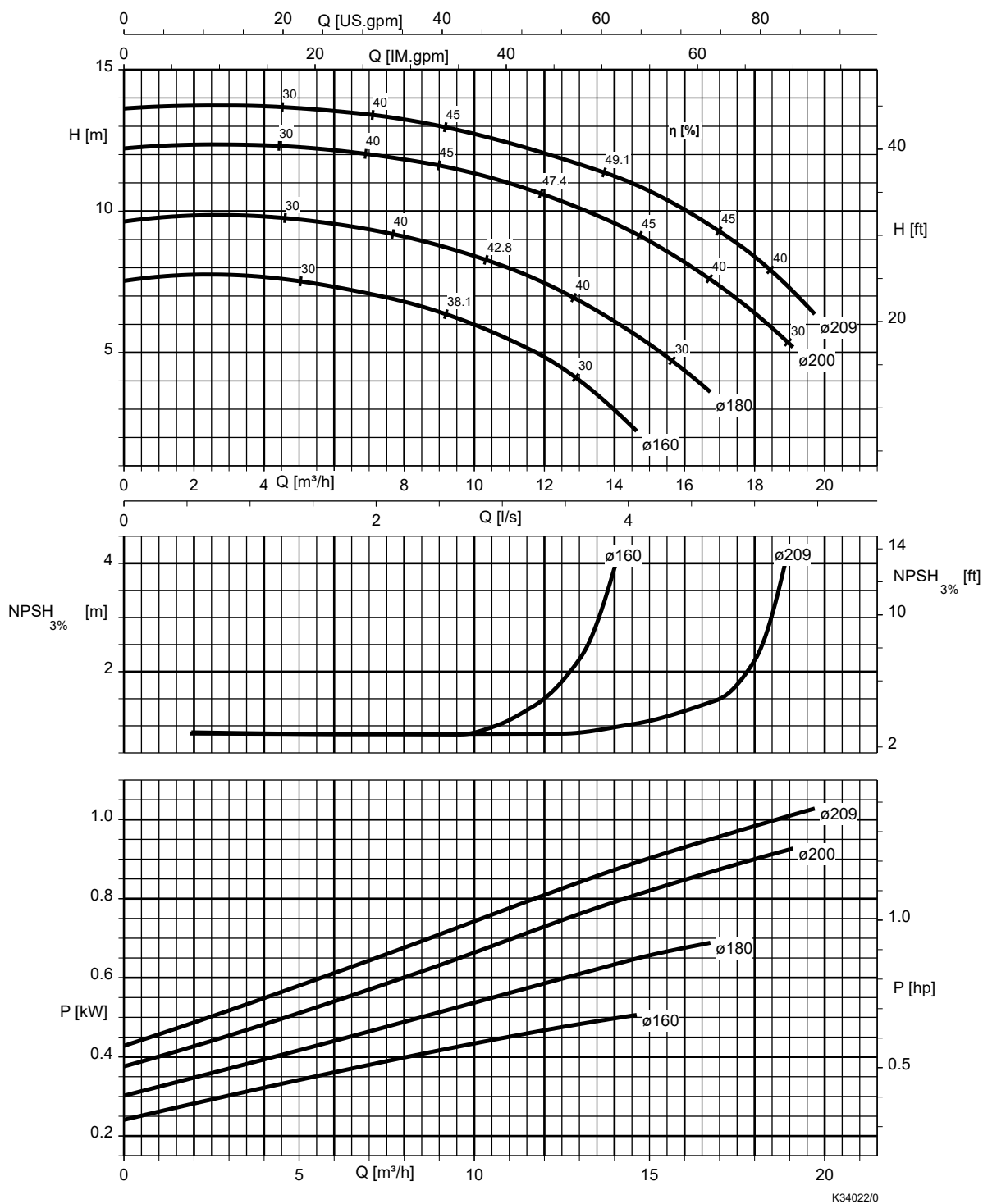


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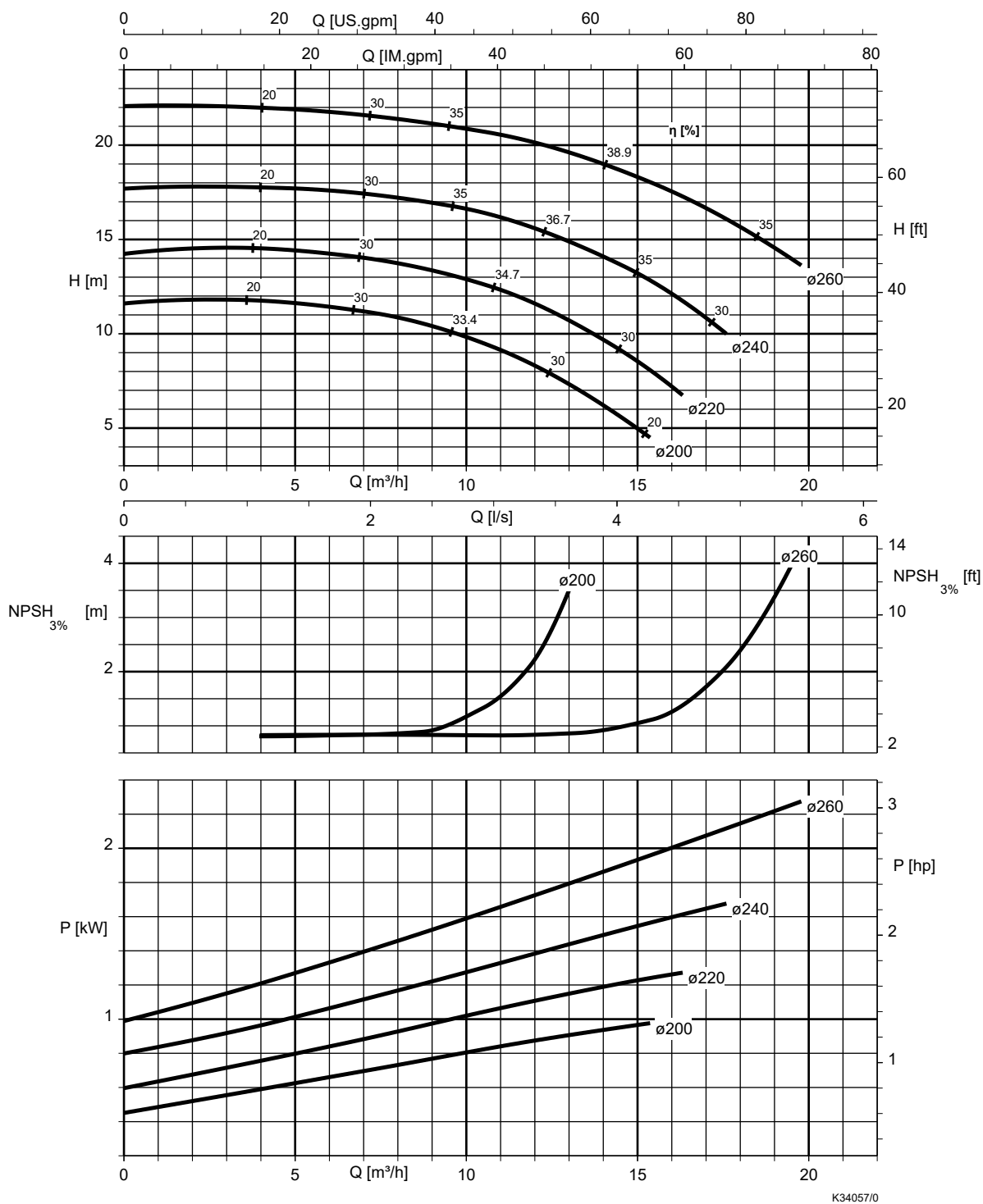
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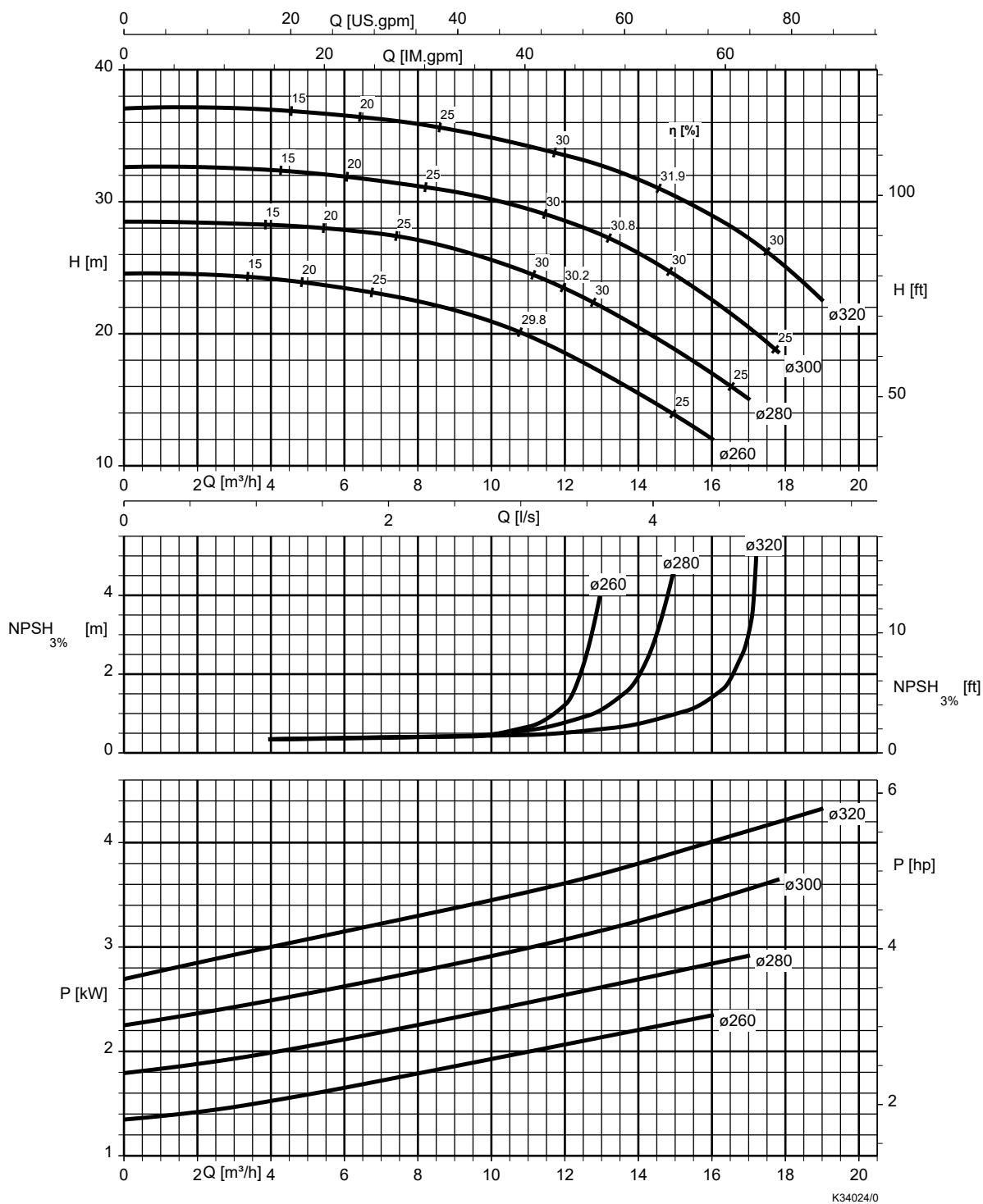
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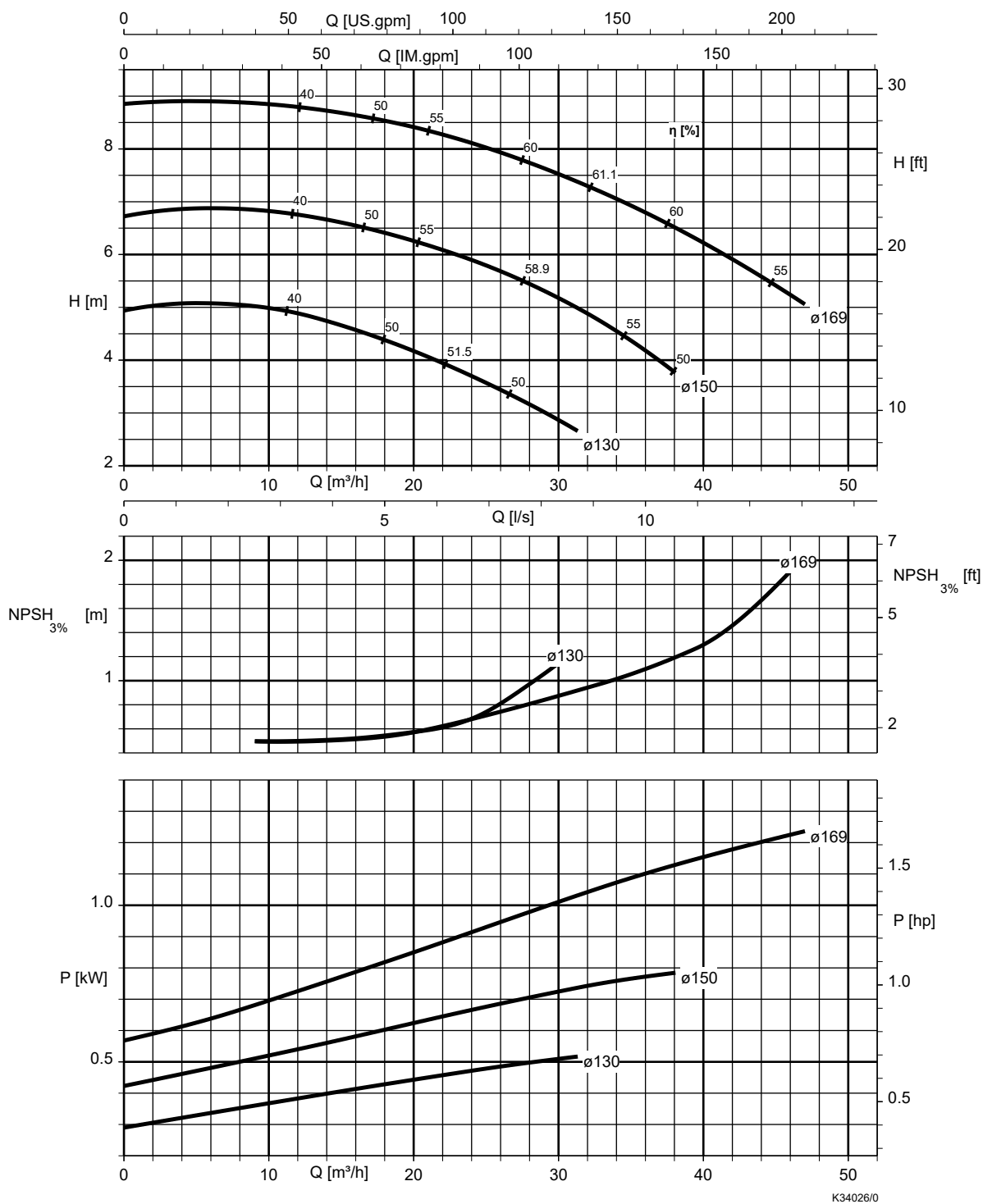
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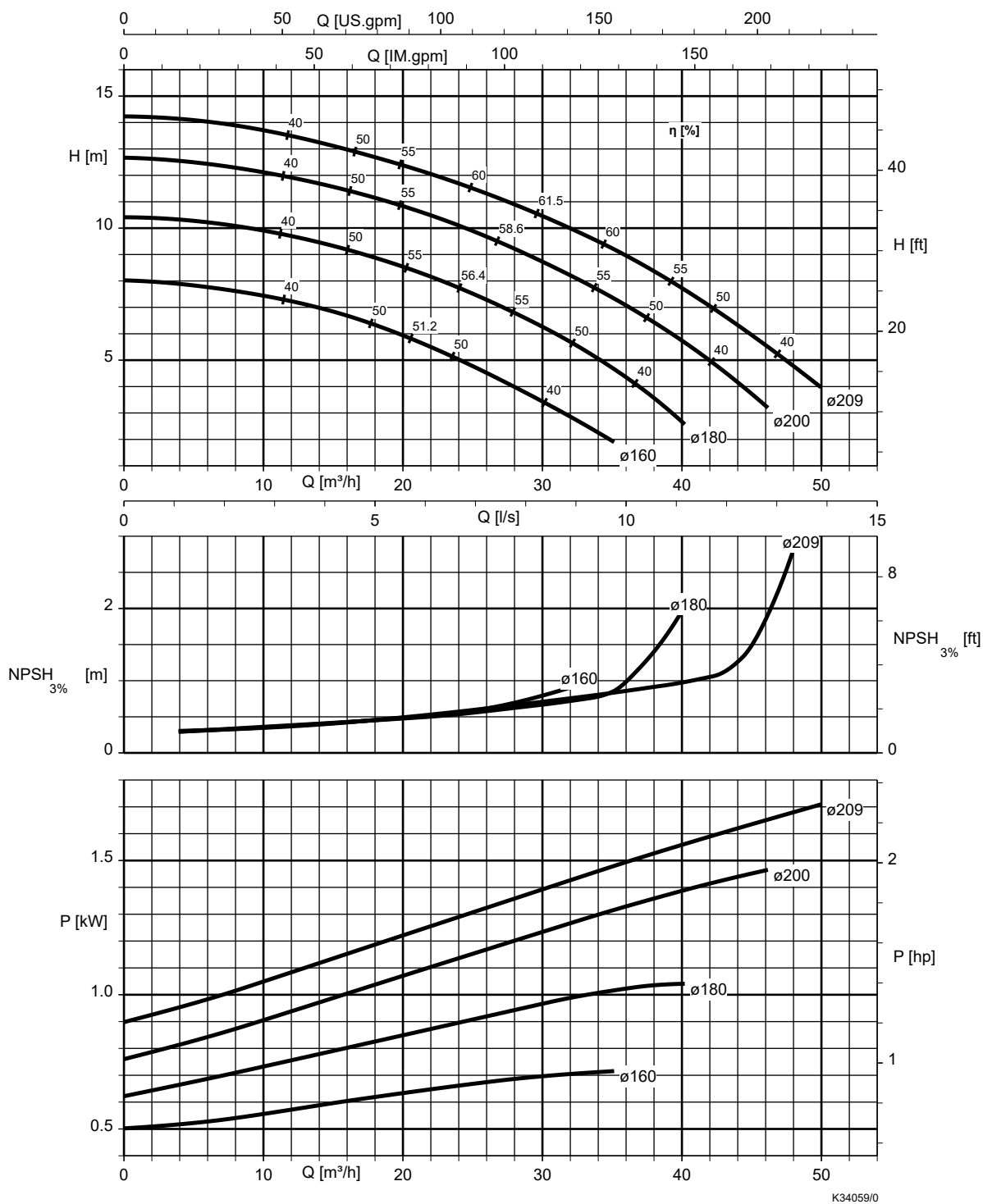
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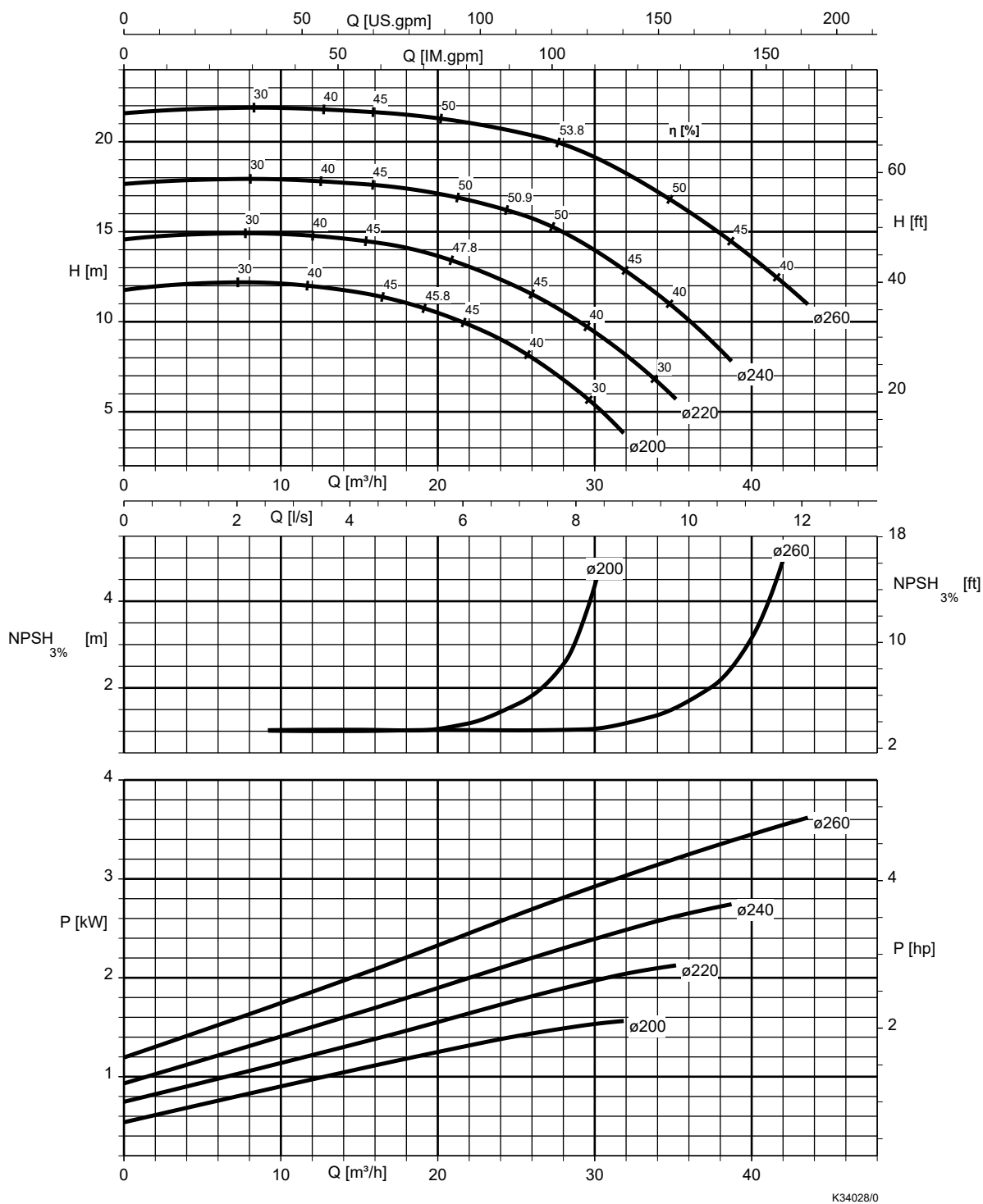
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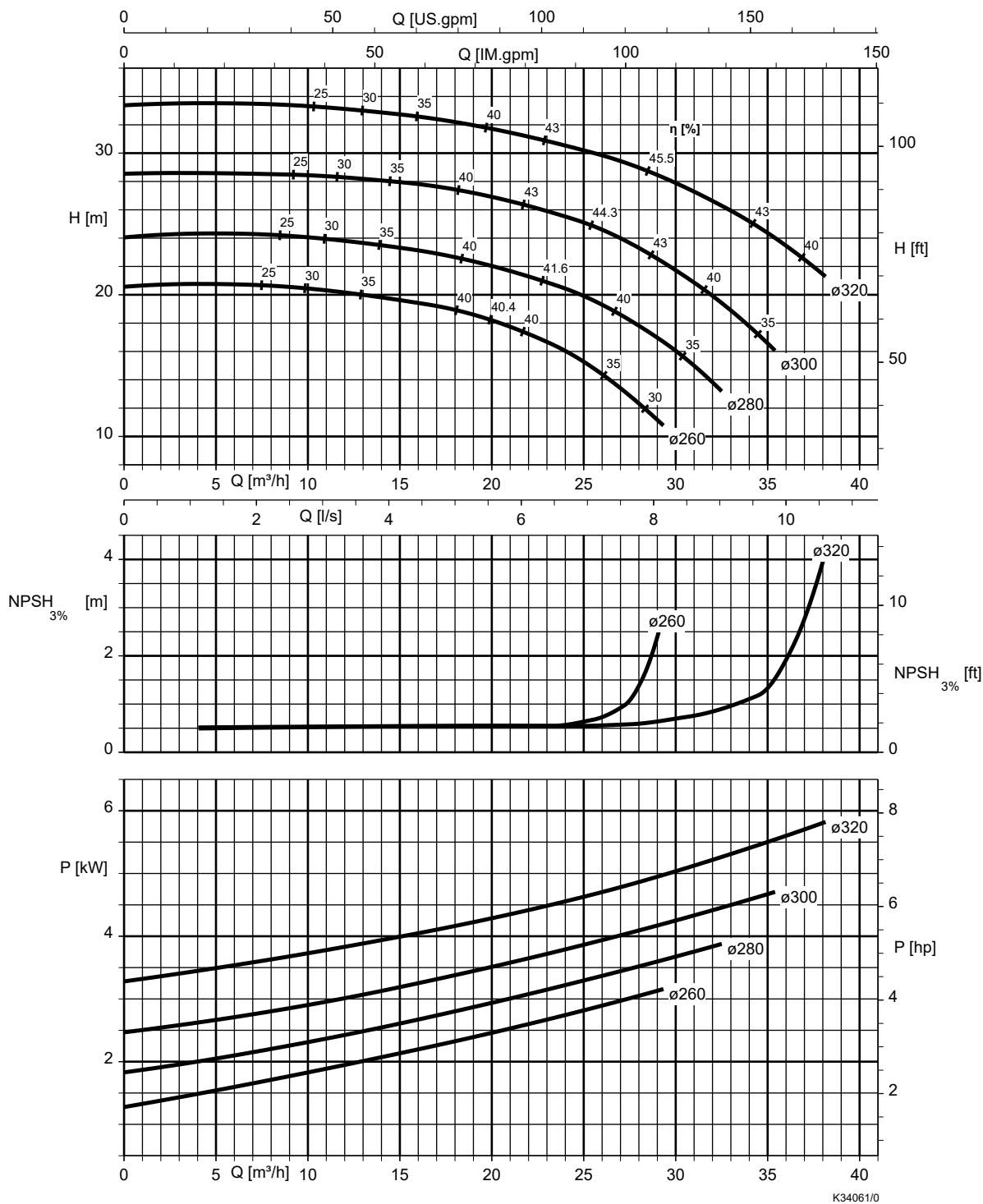
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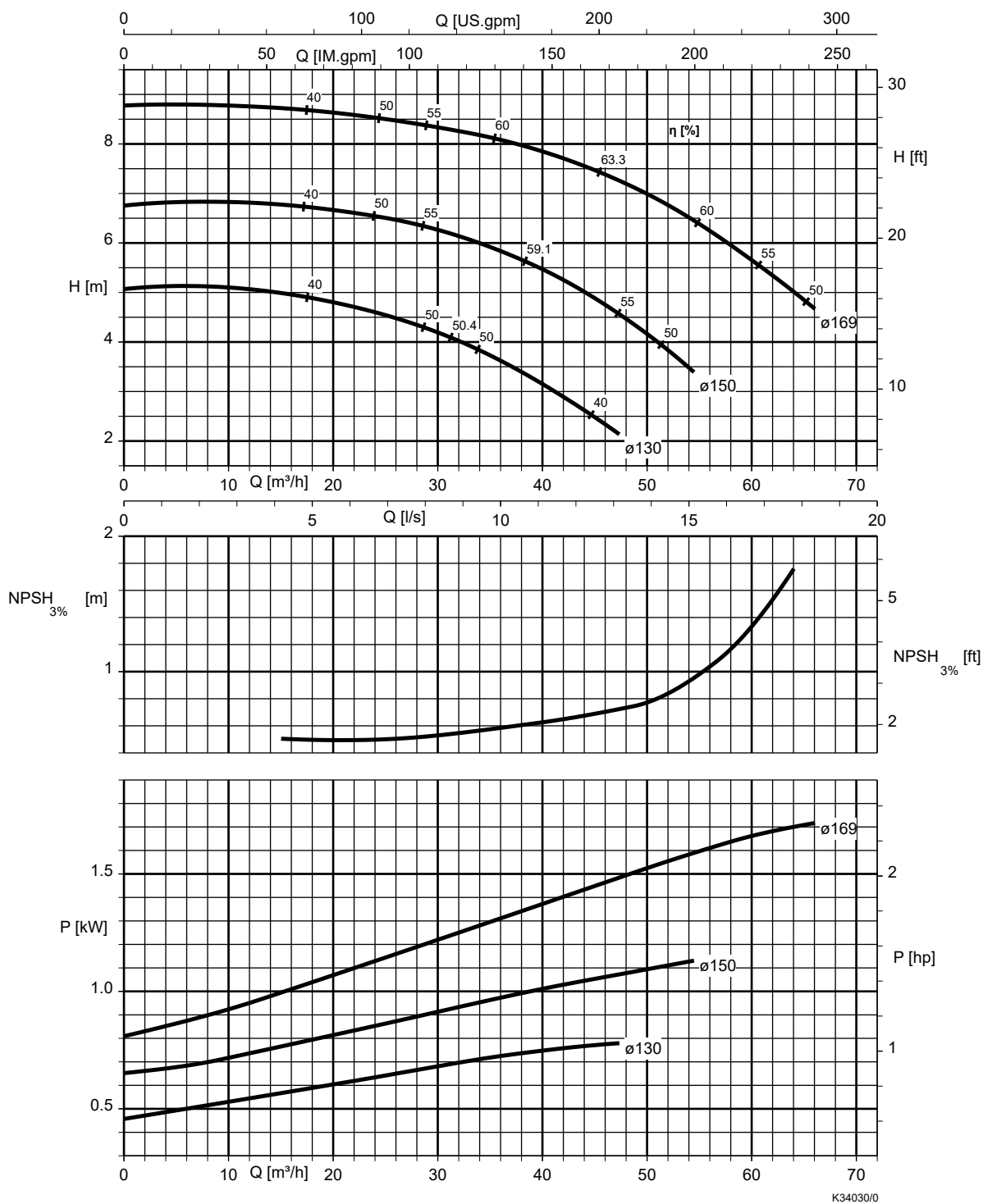
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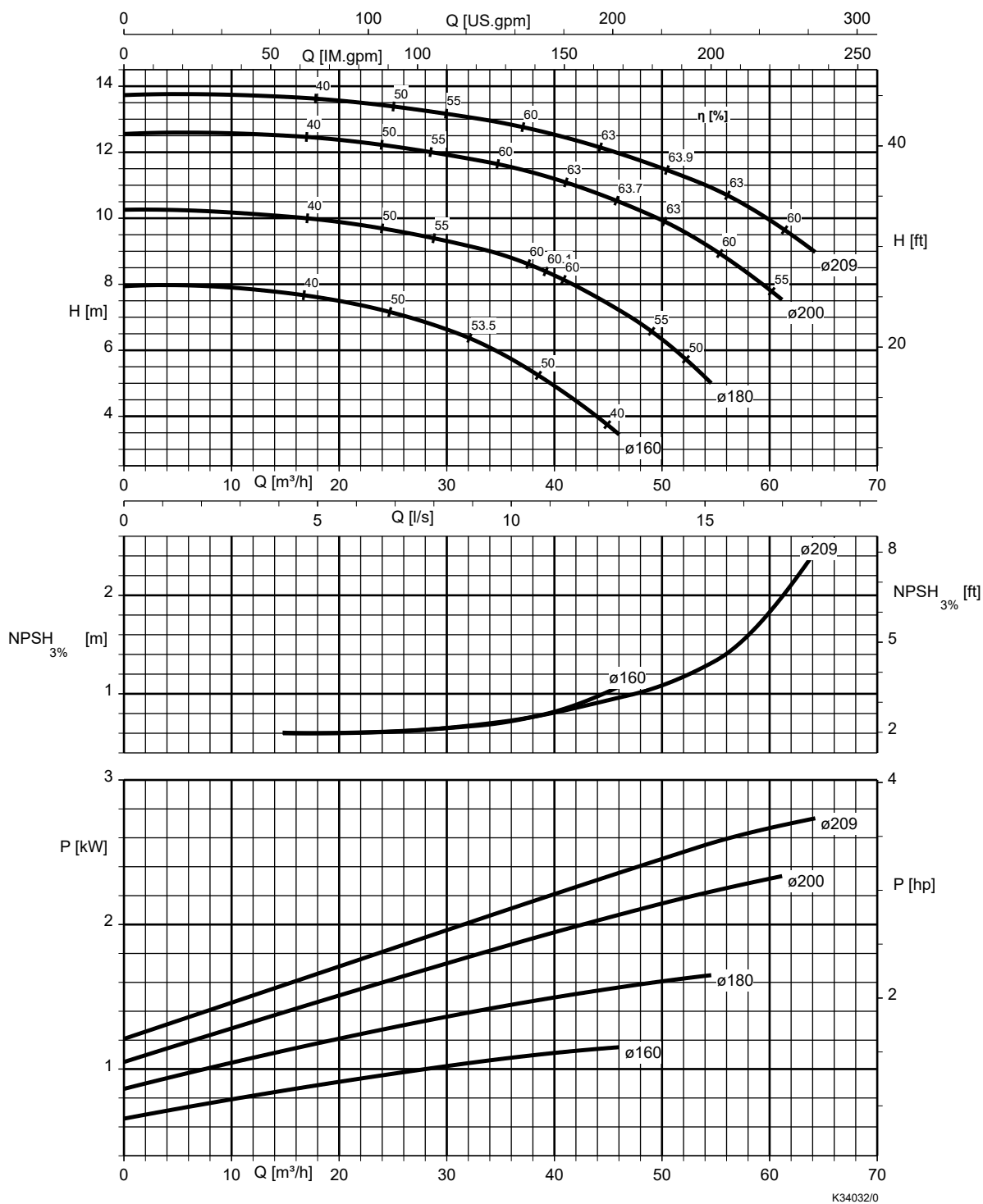
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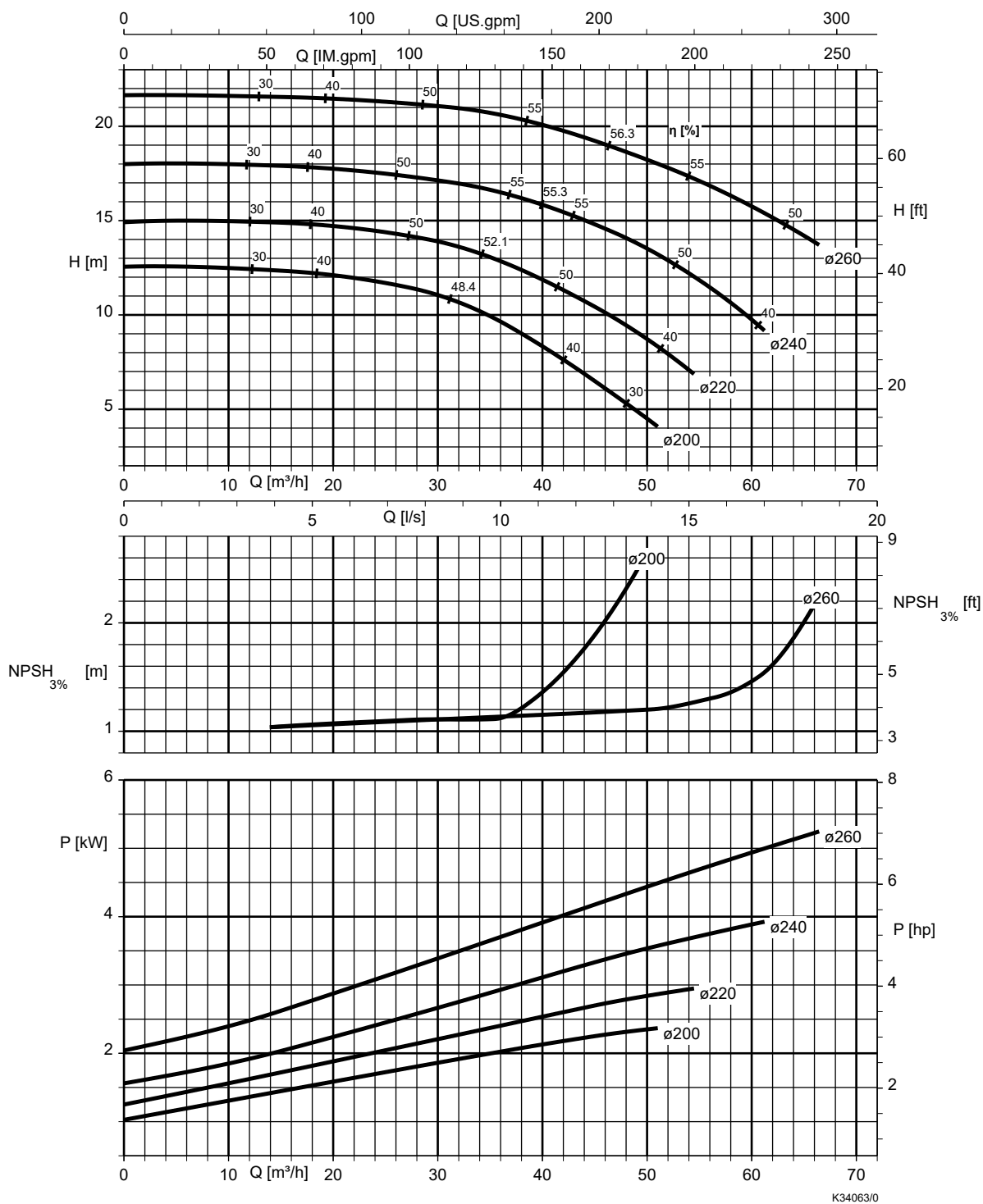


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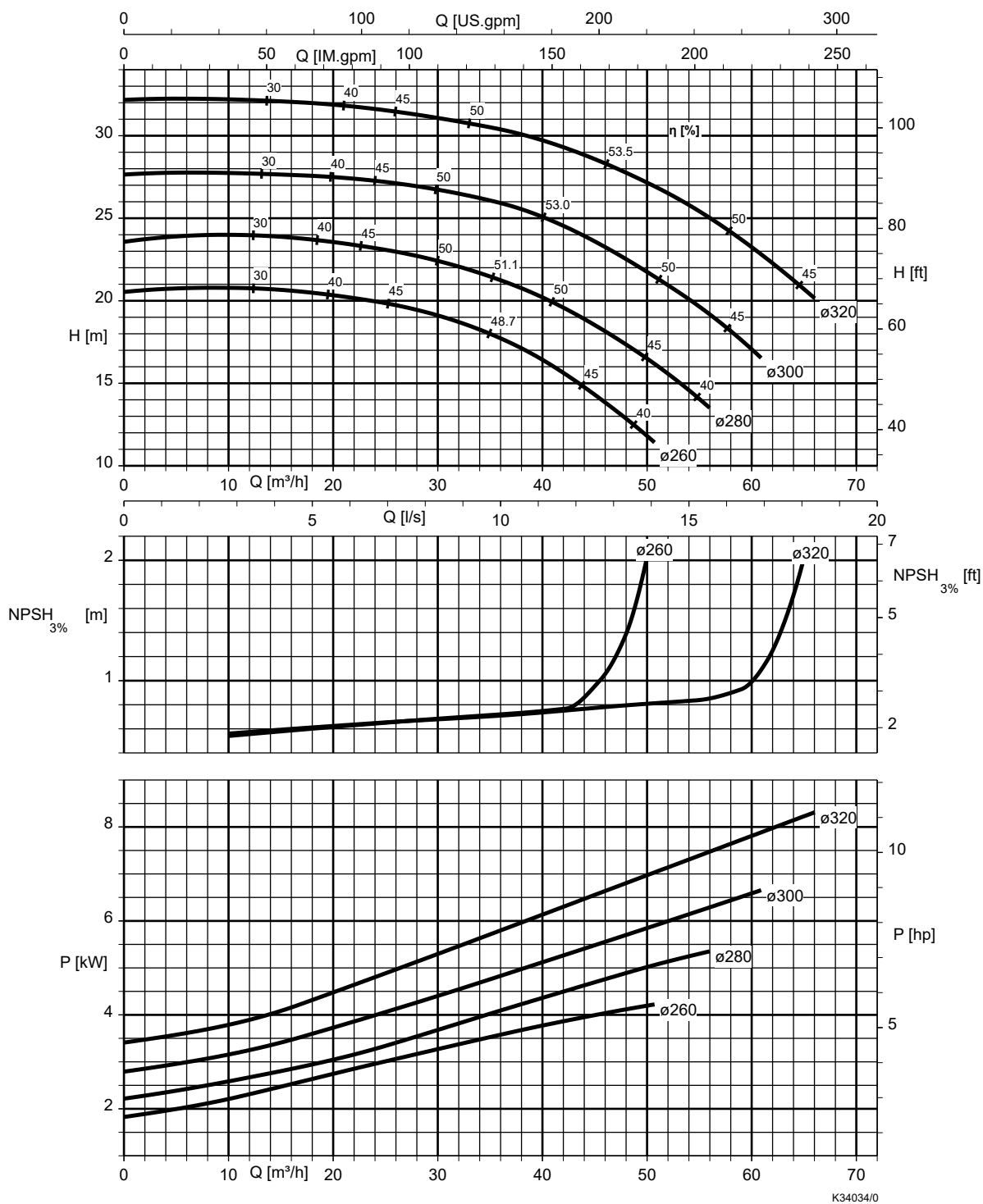
K34032/0

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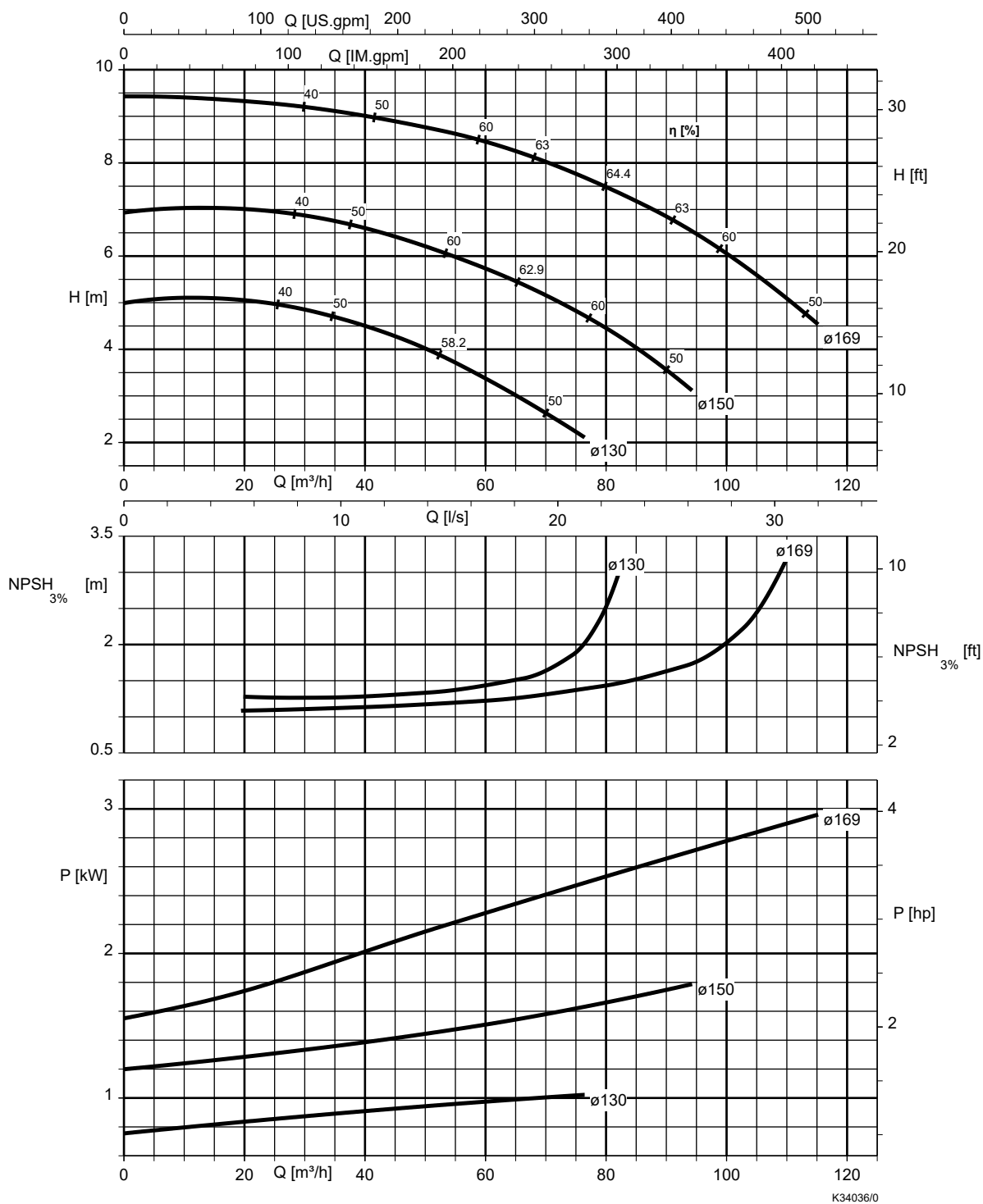


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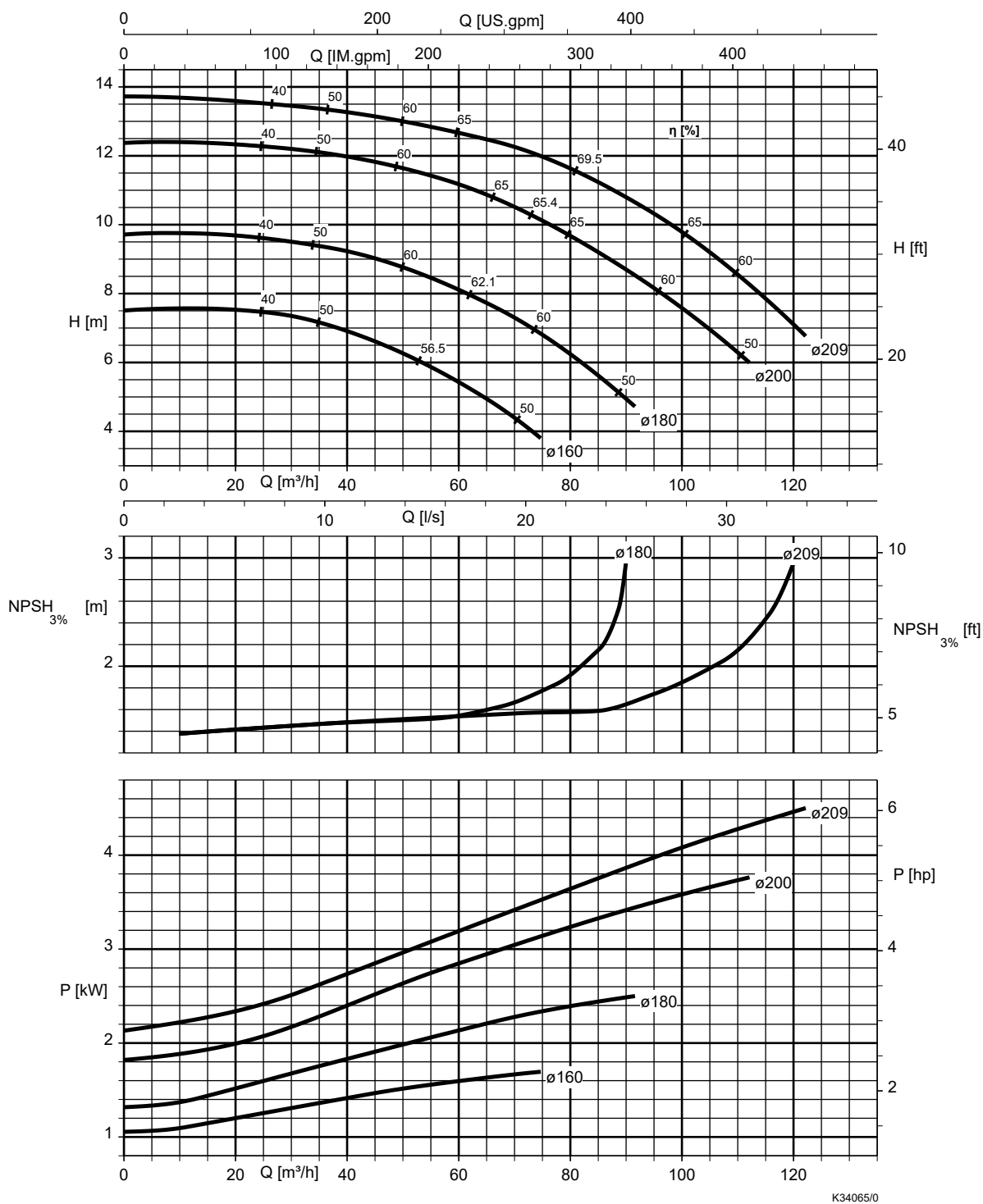
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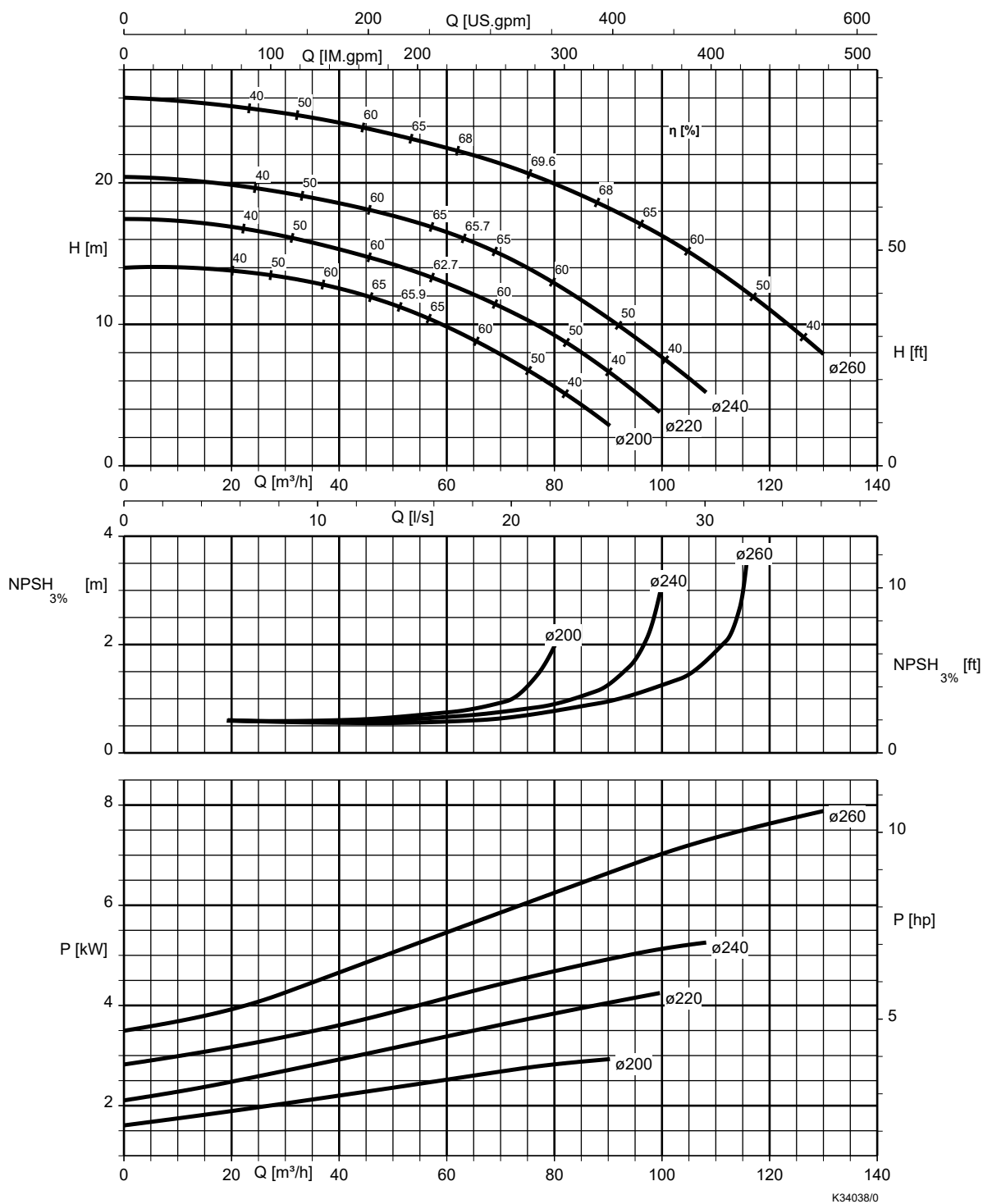
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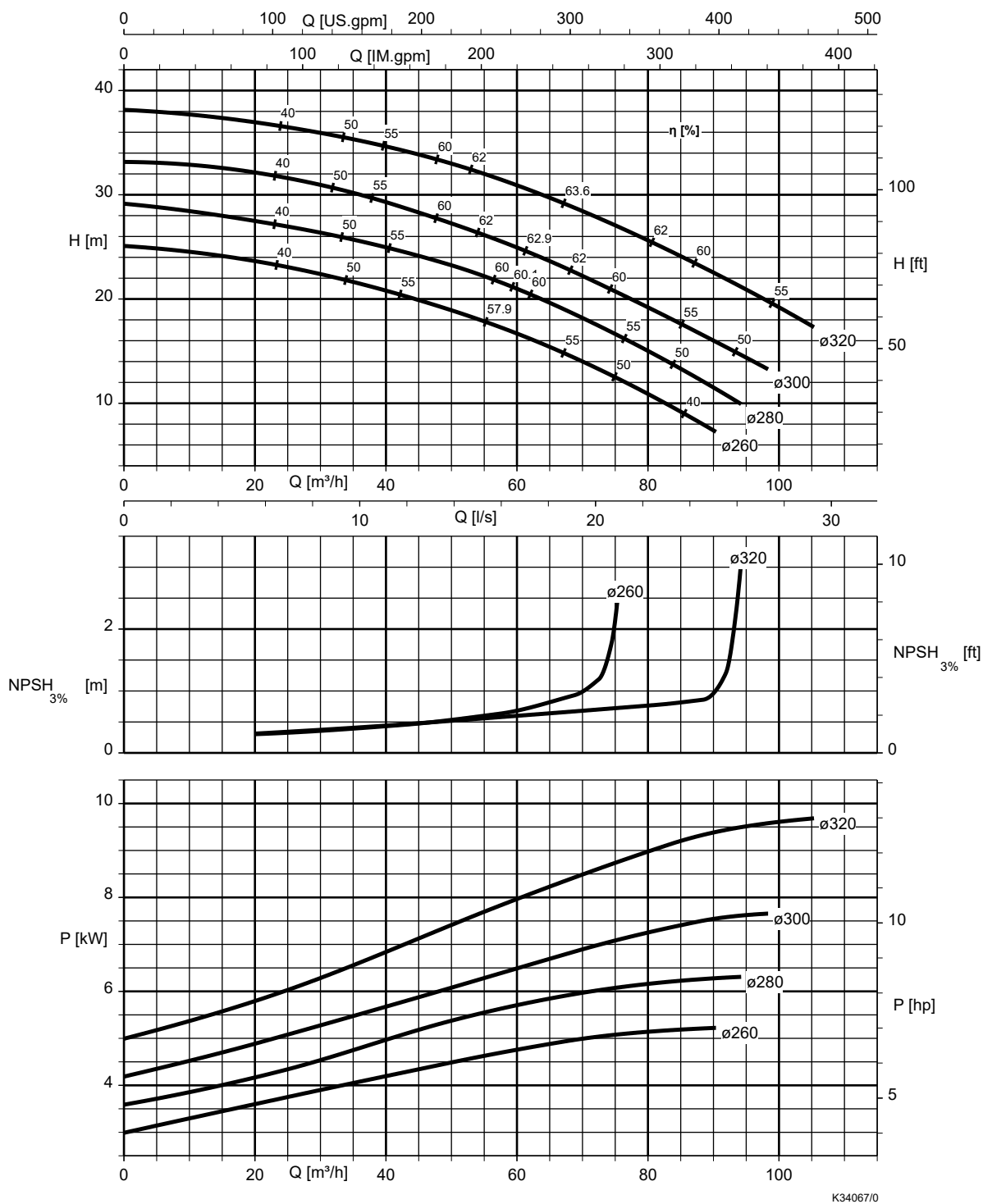
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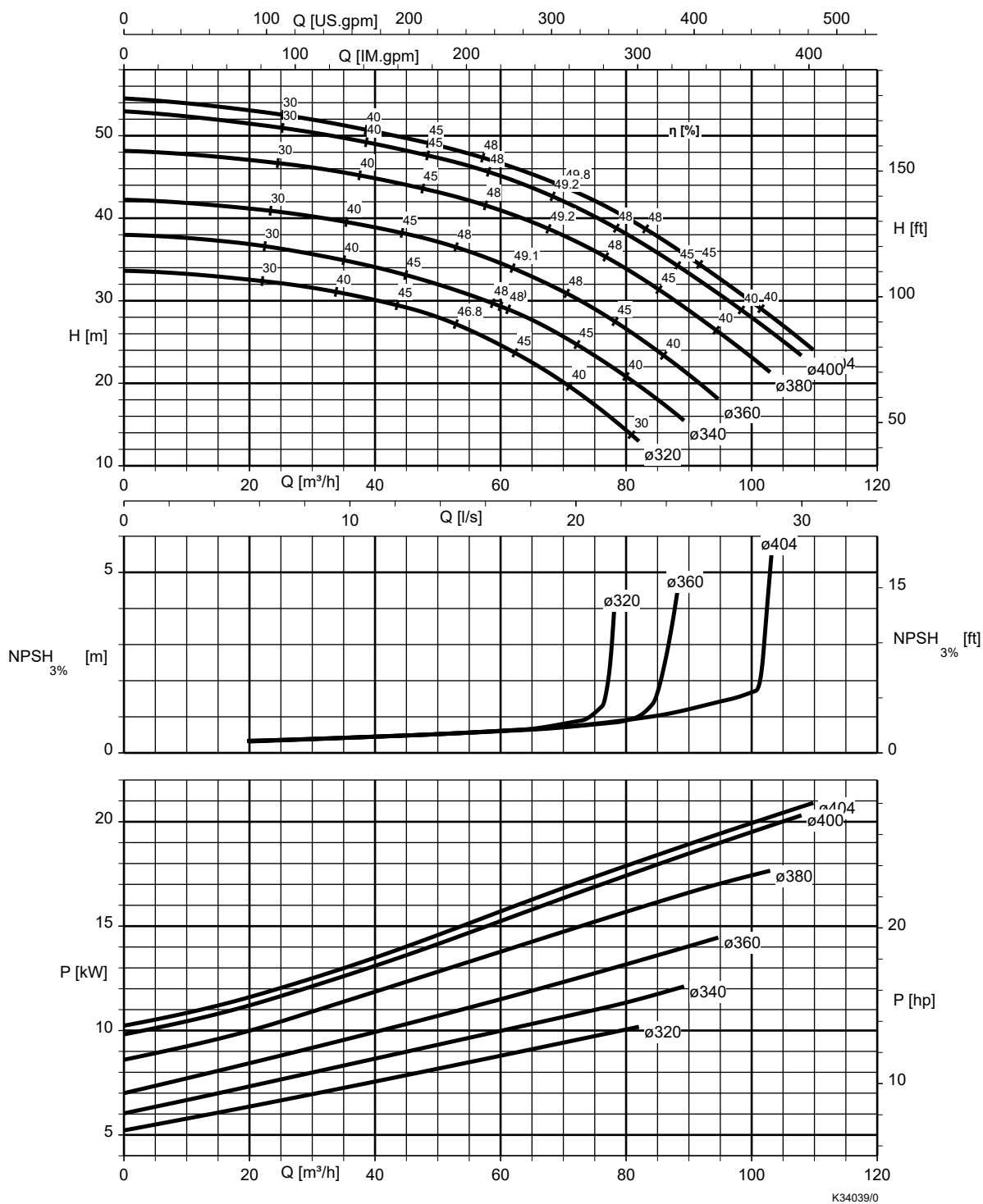
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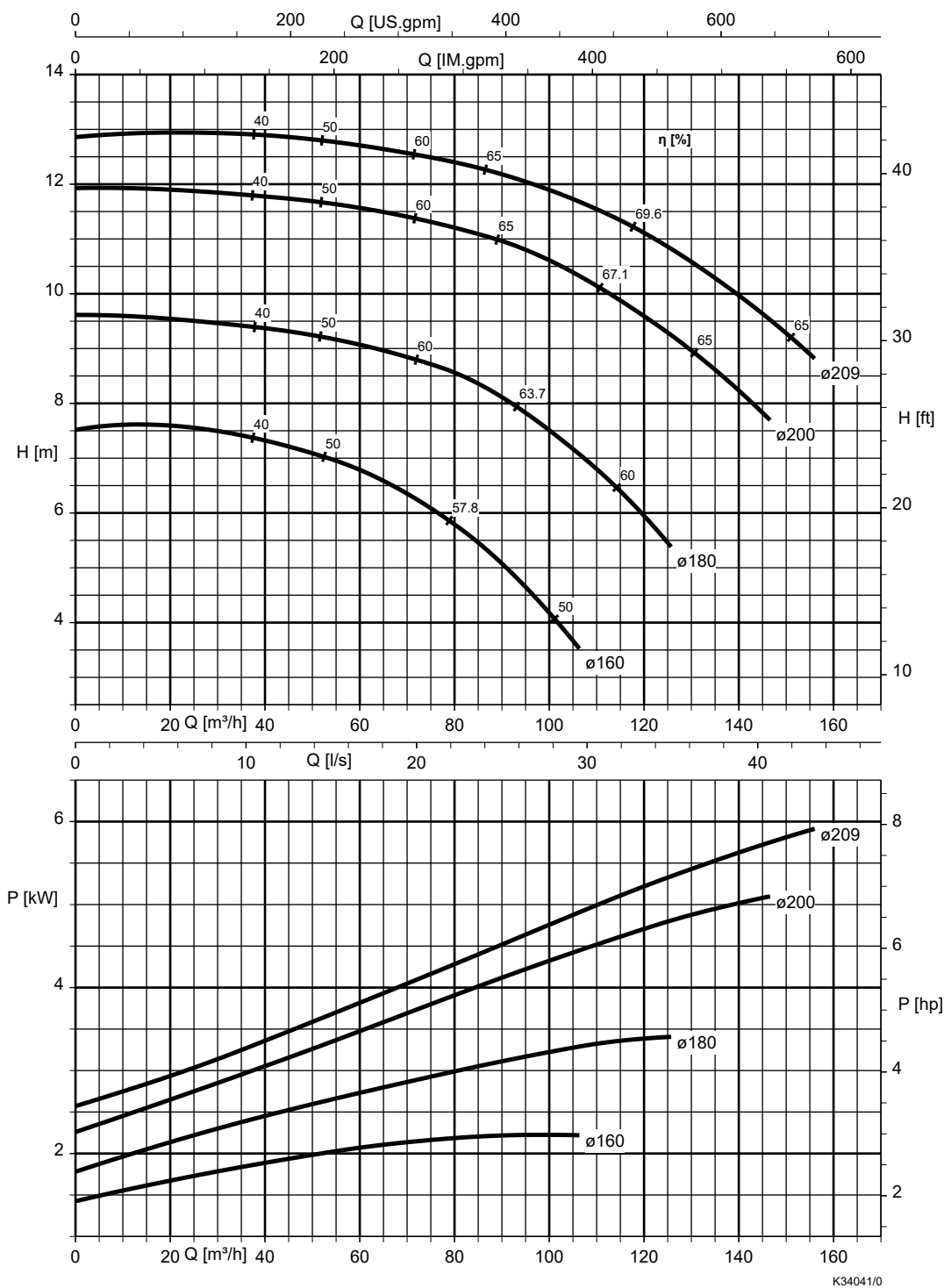
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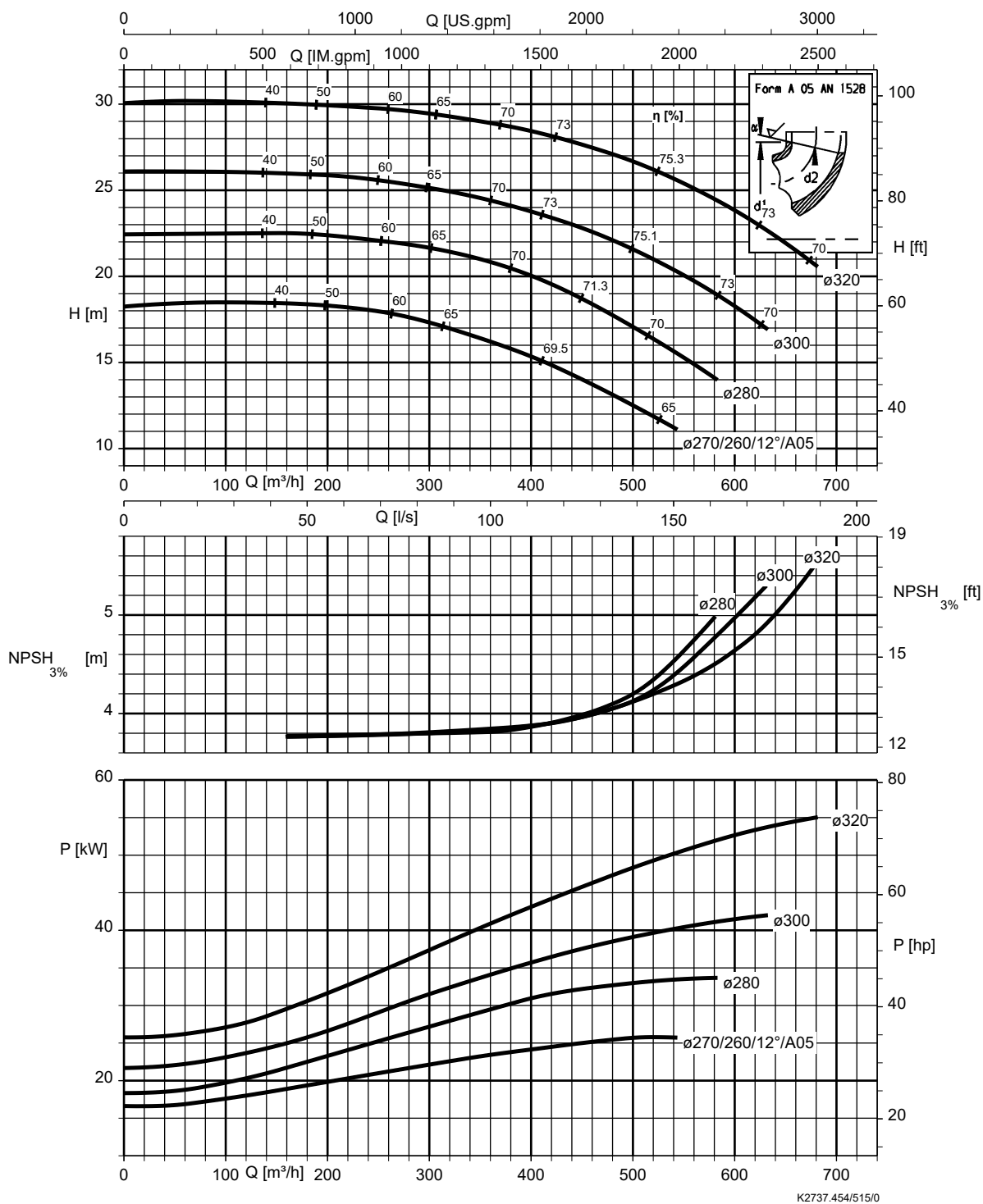
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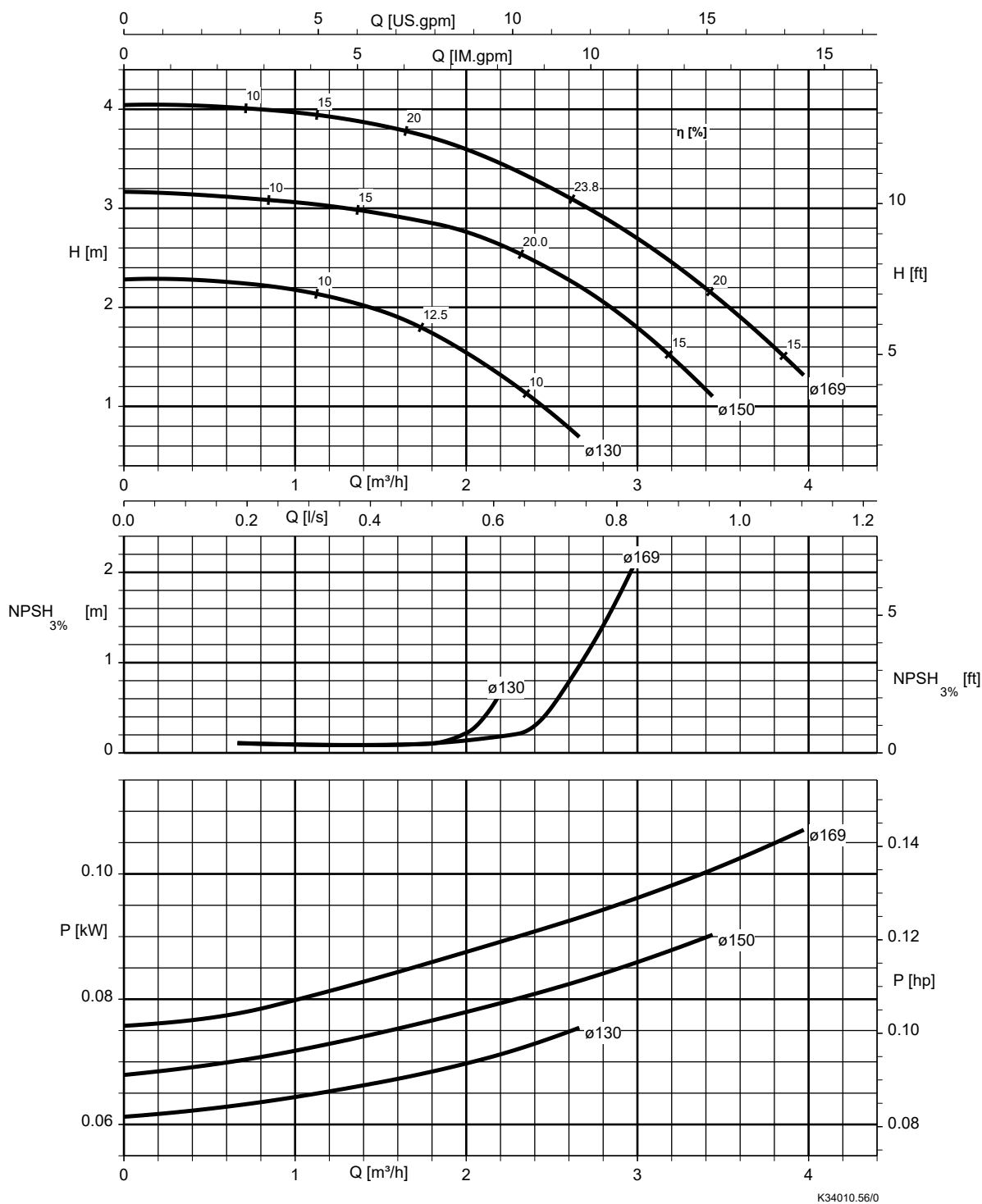
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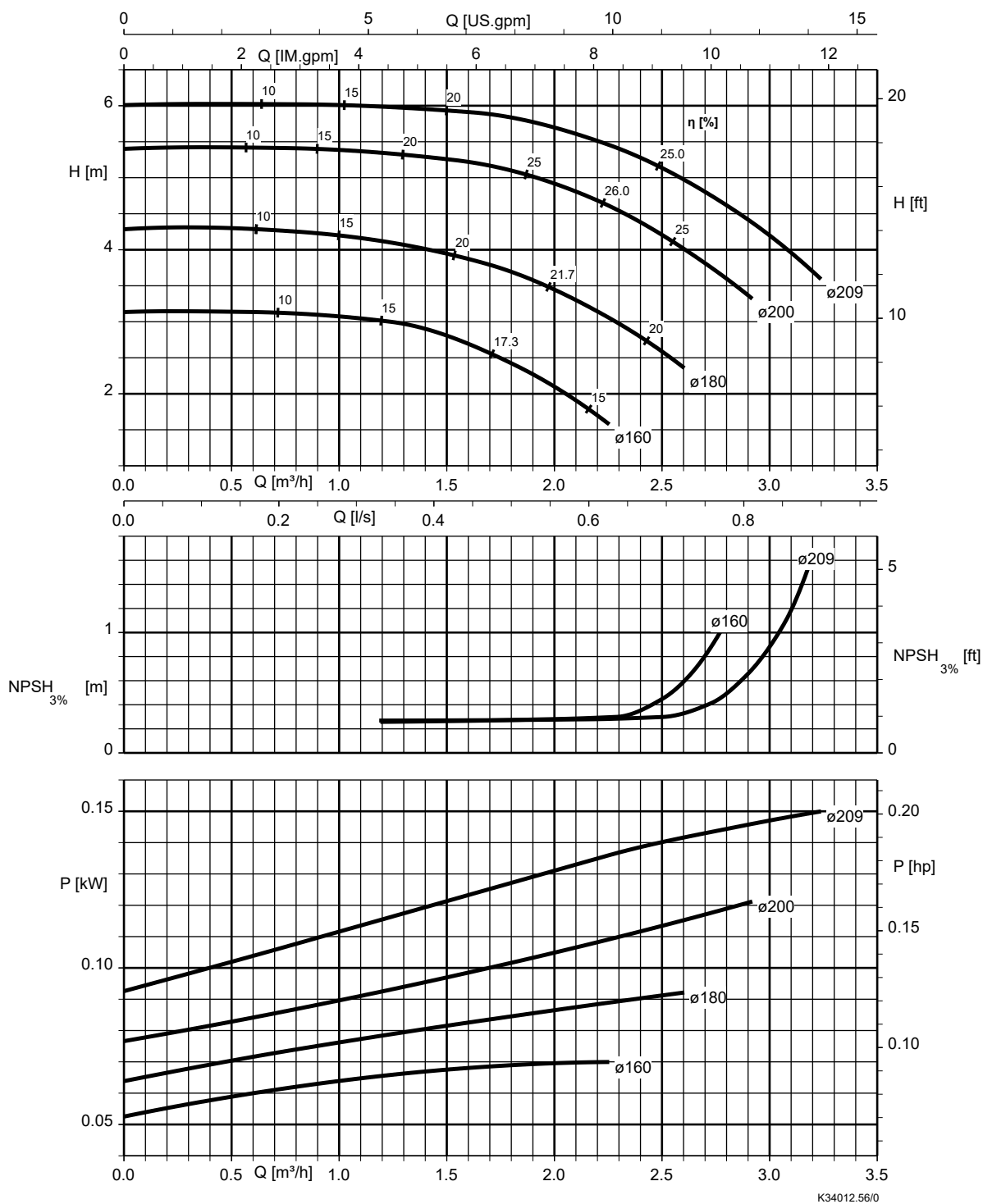
2730.458/01-IT

n = 960 giri/min

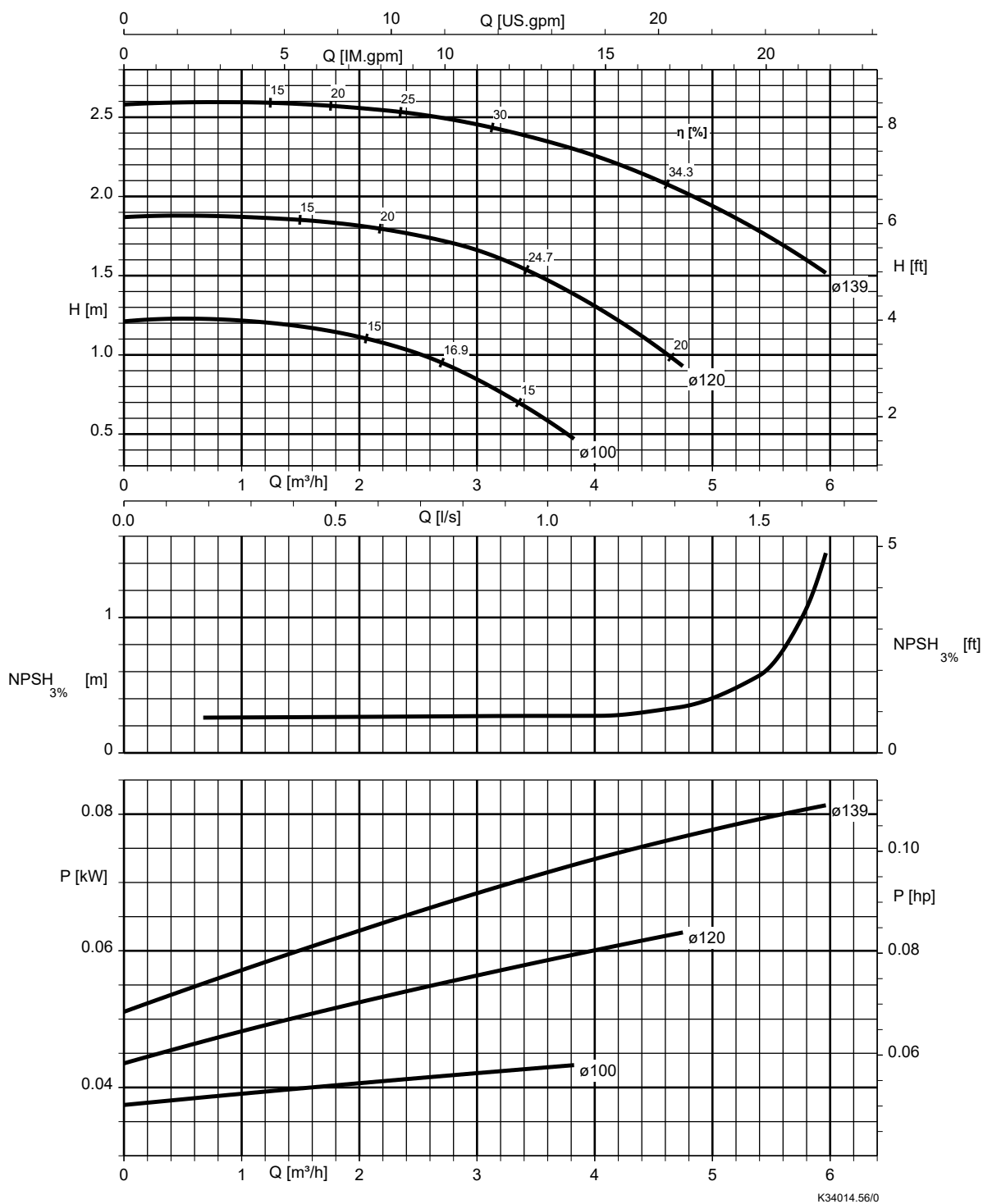
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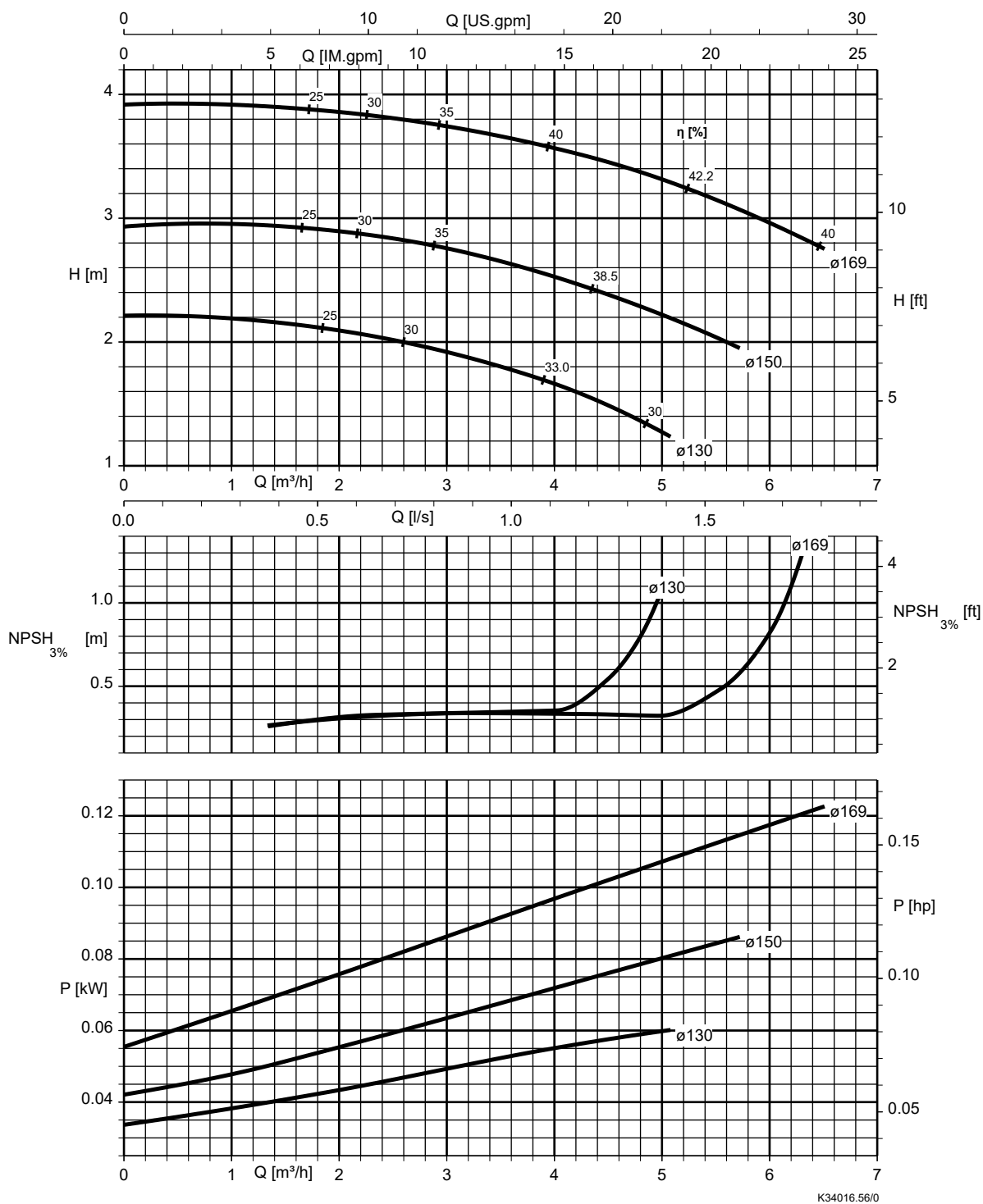
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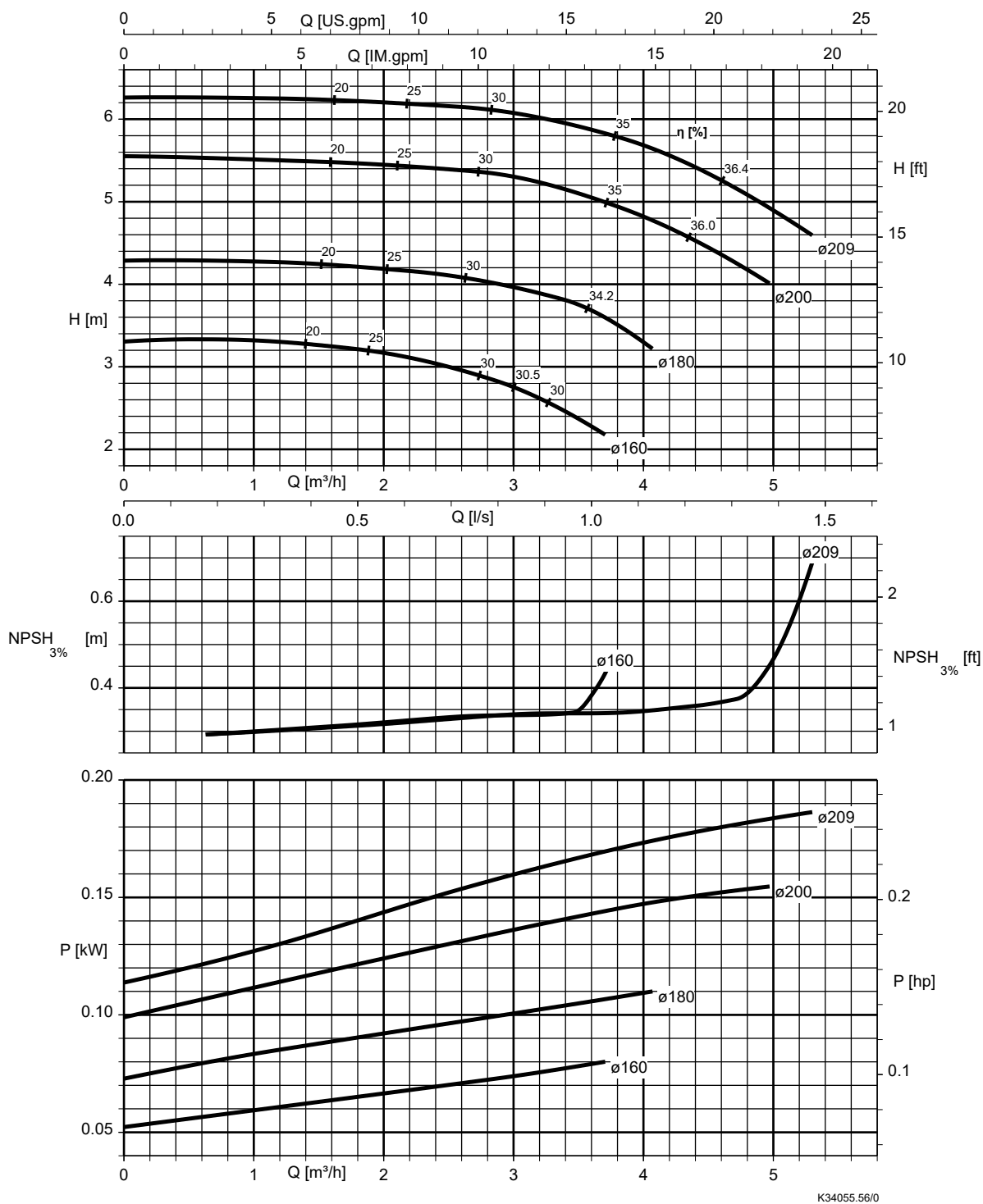
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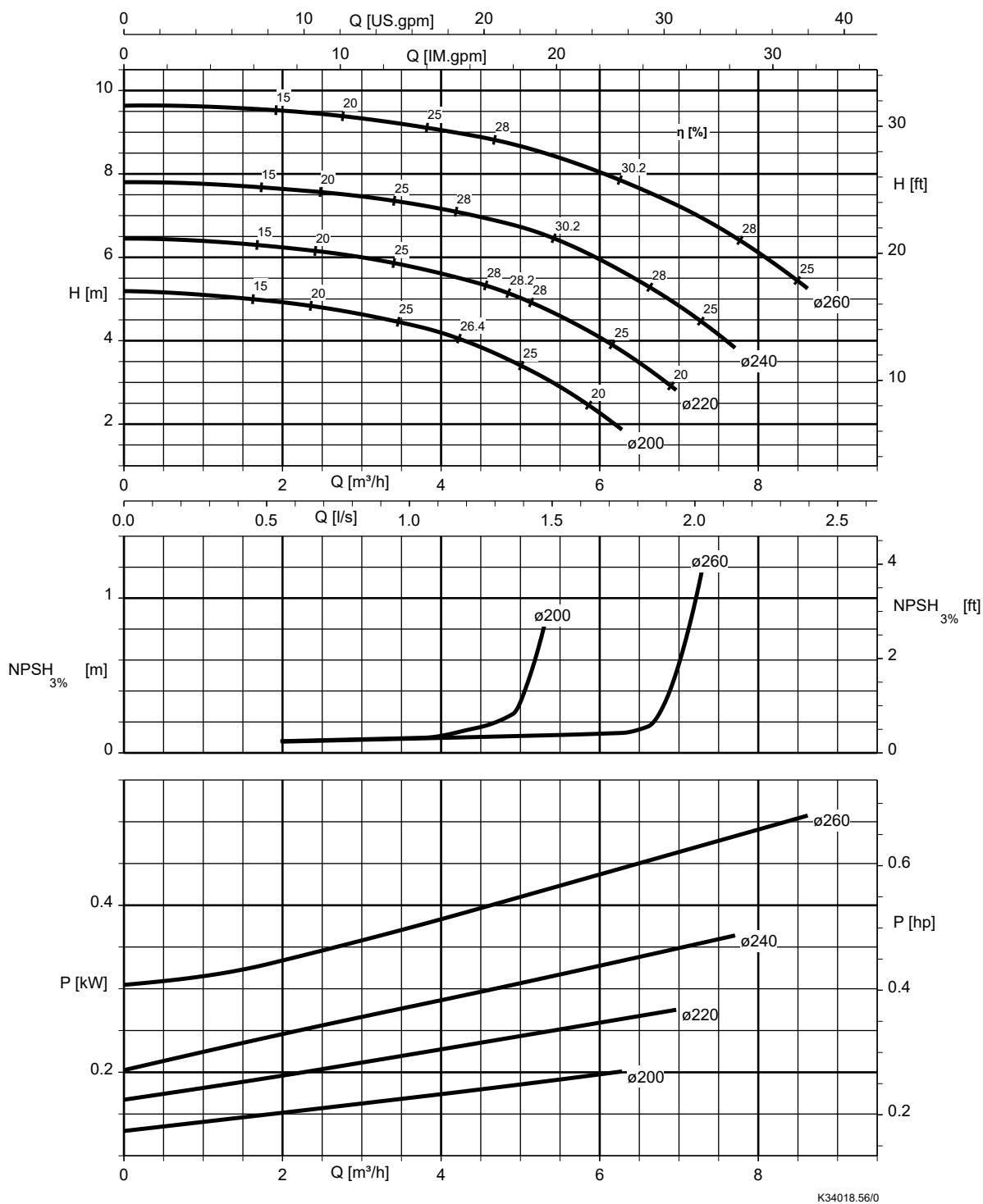
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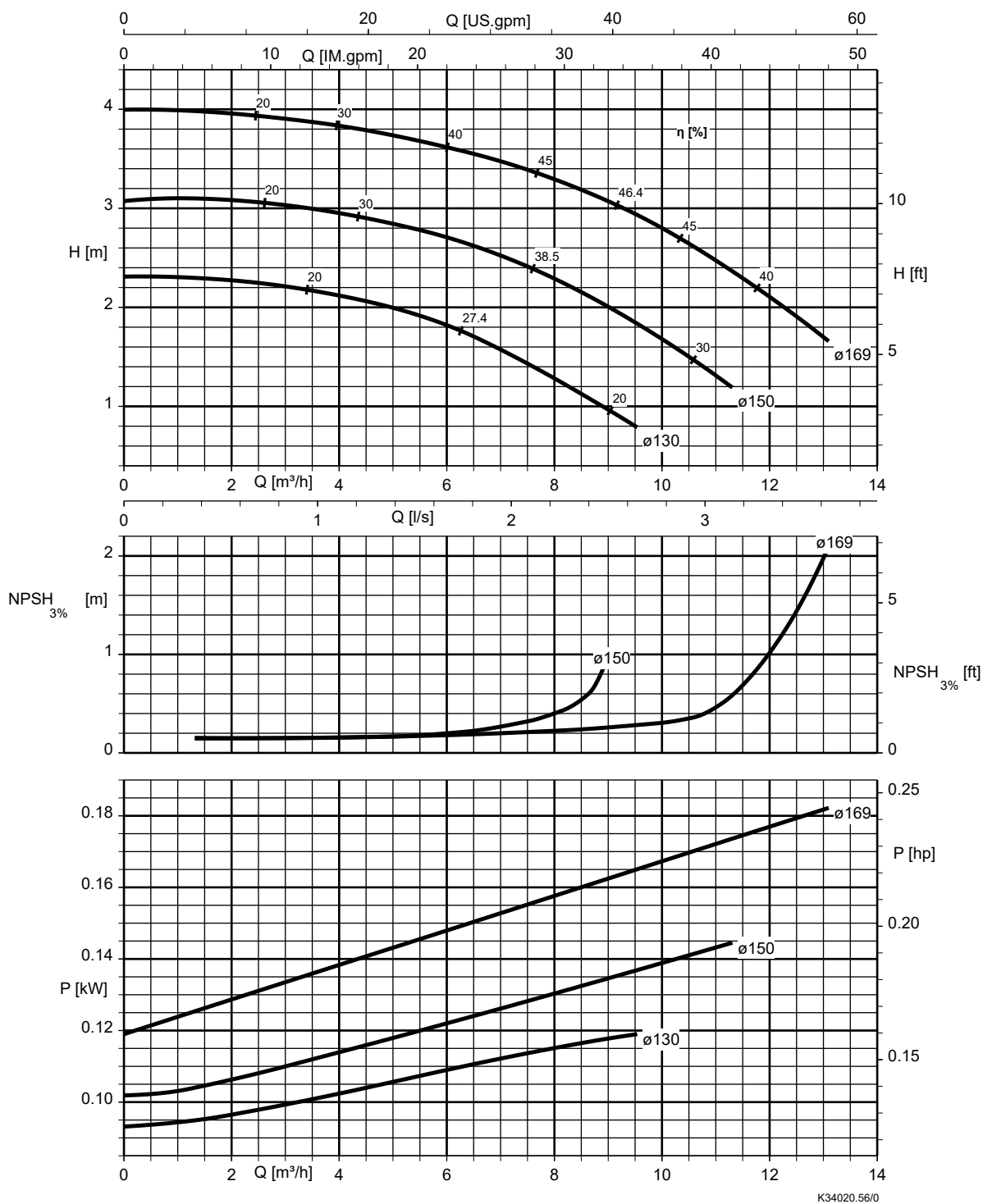
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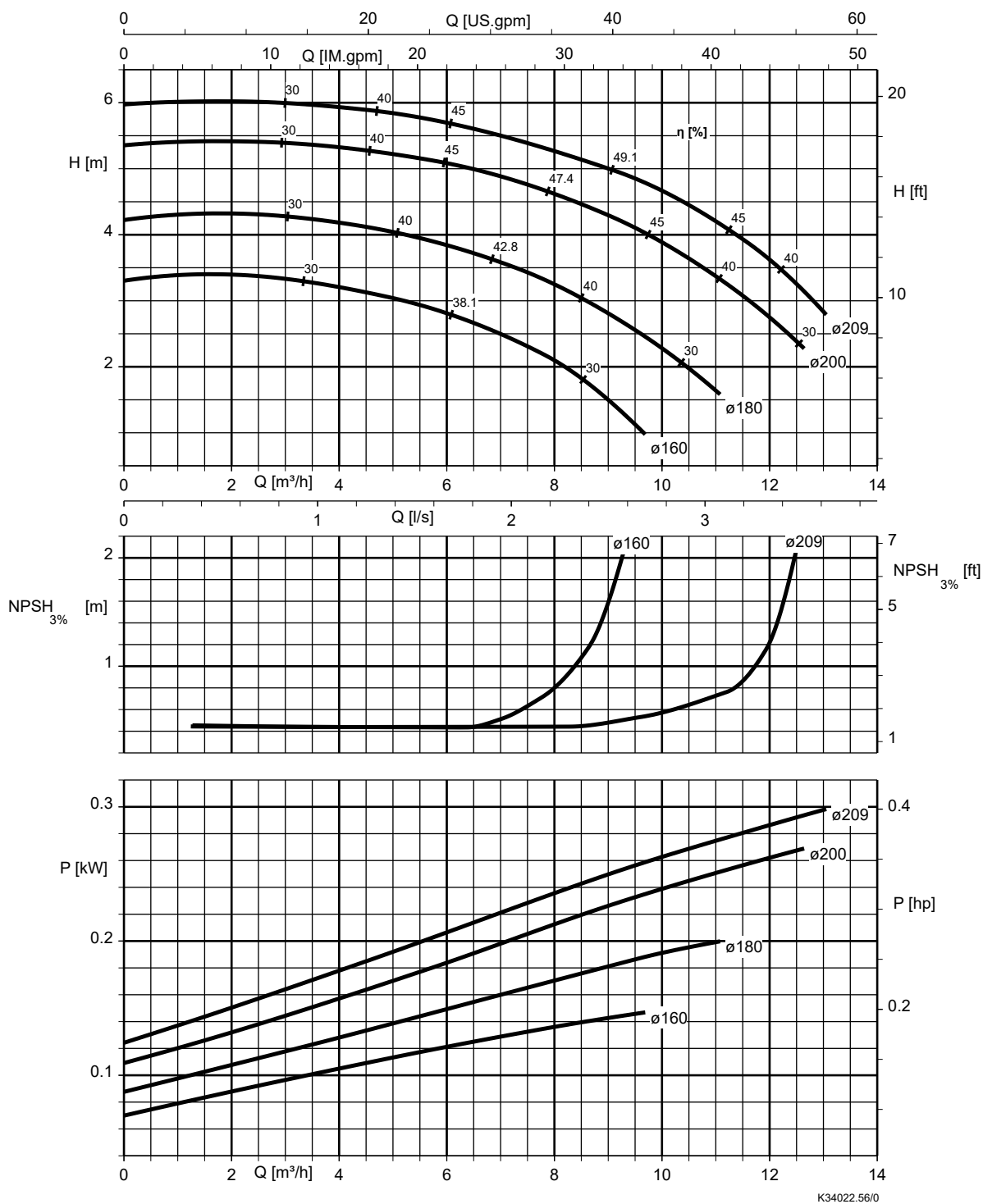
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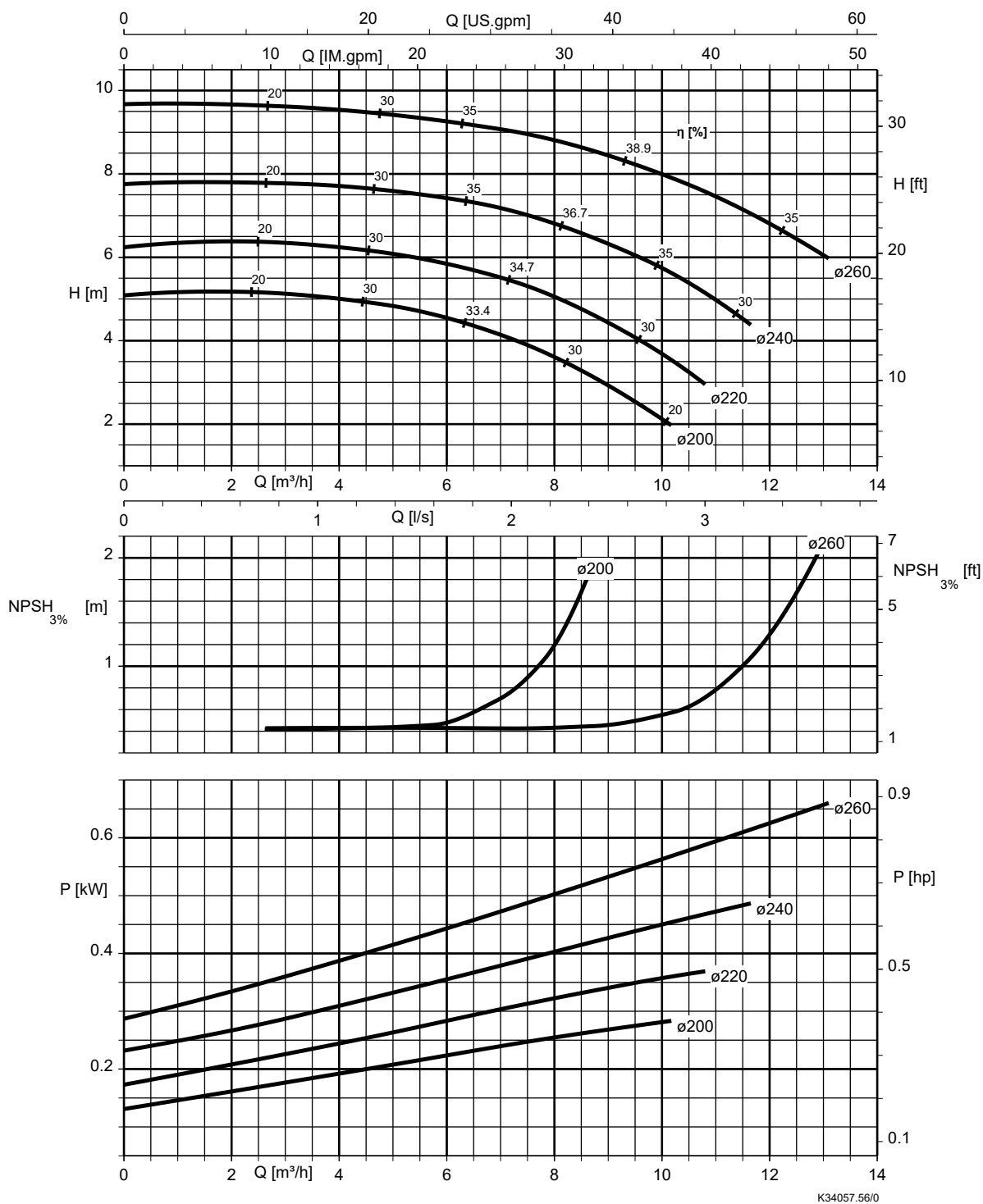
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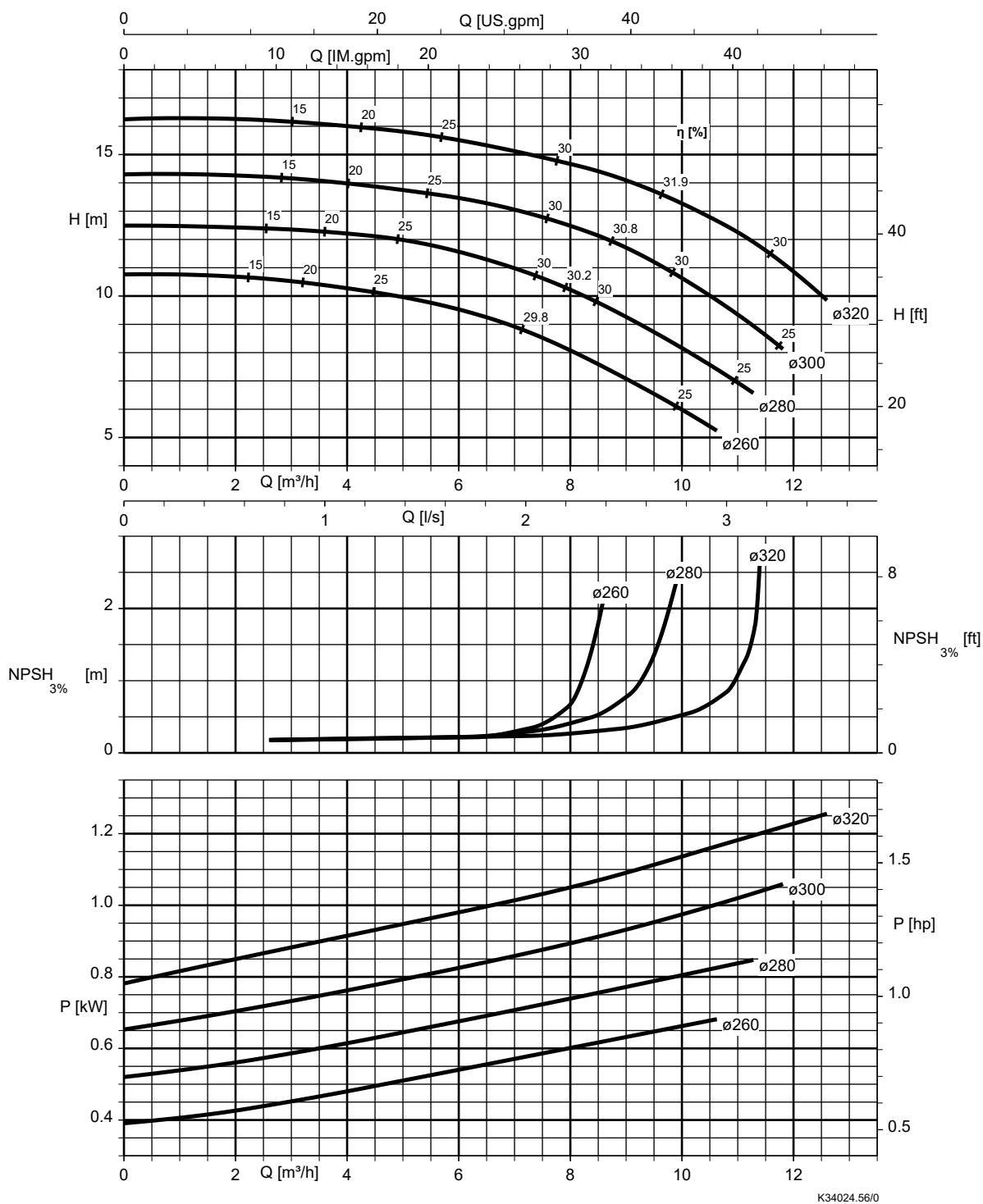
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CPKNO 40-250, 960 giri/min

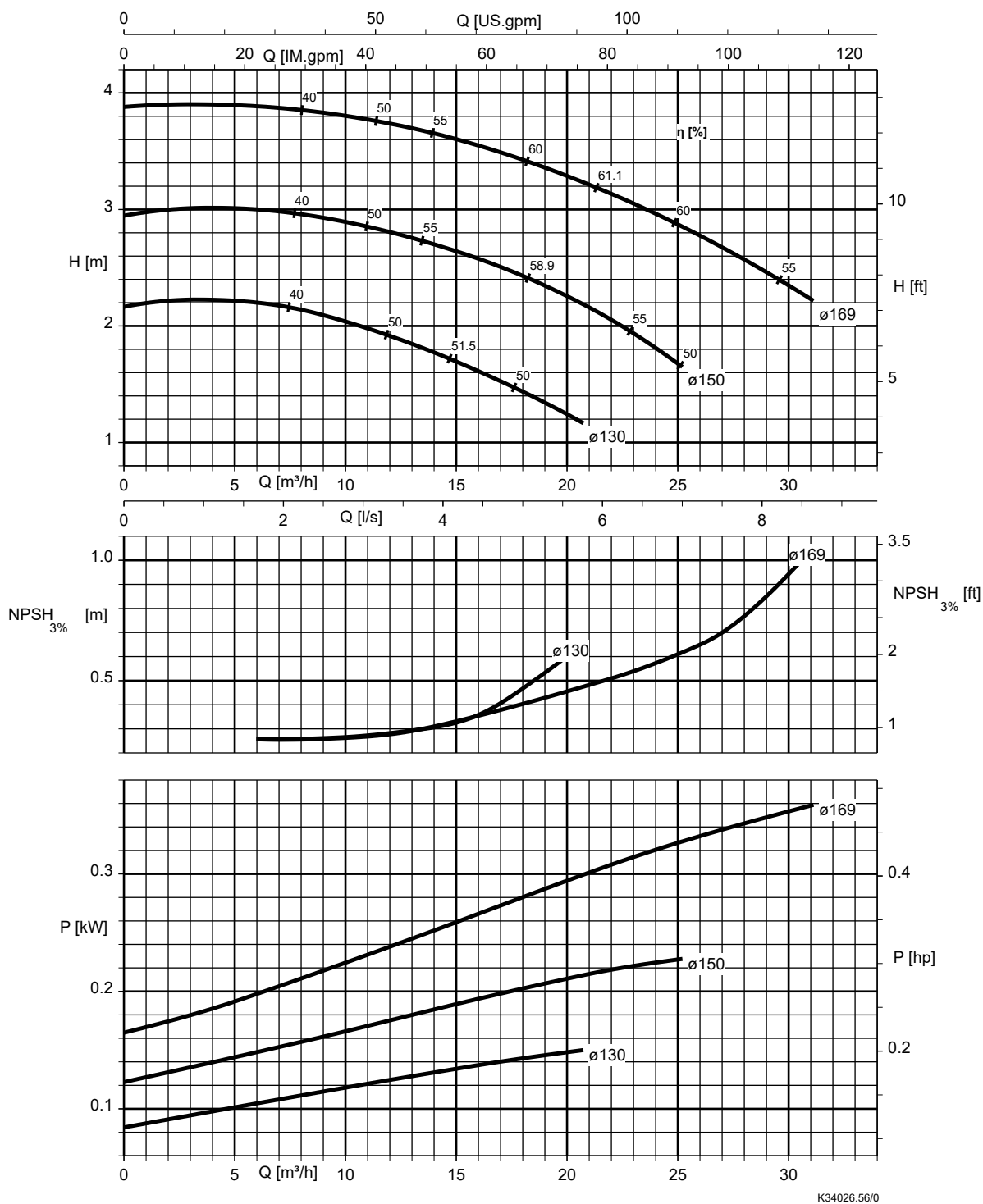


CPKNO 40-315, 960 giri/min

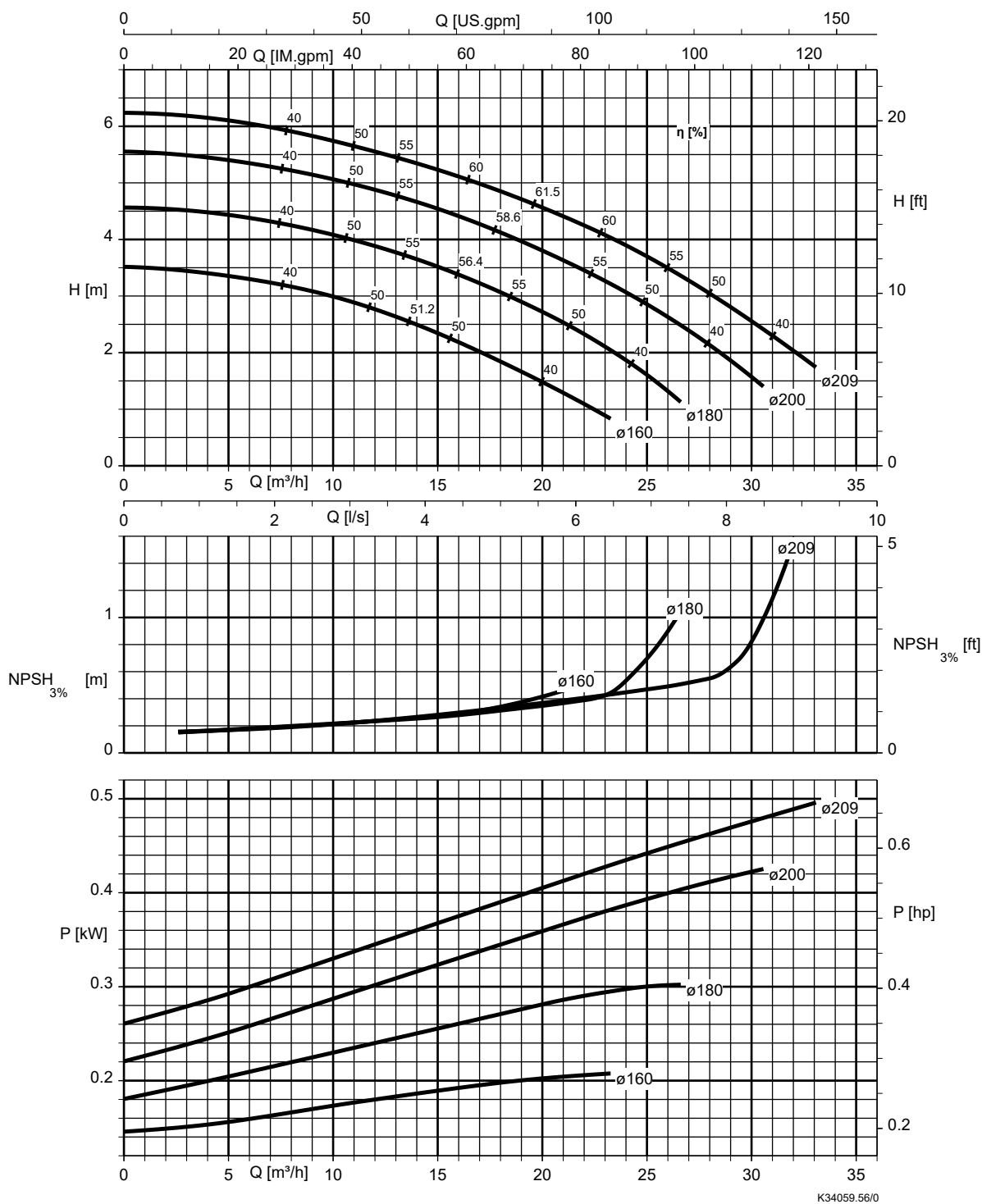


K34024.56/0

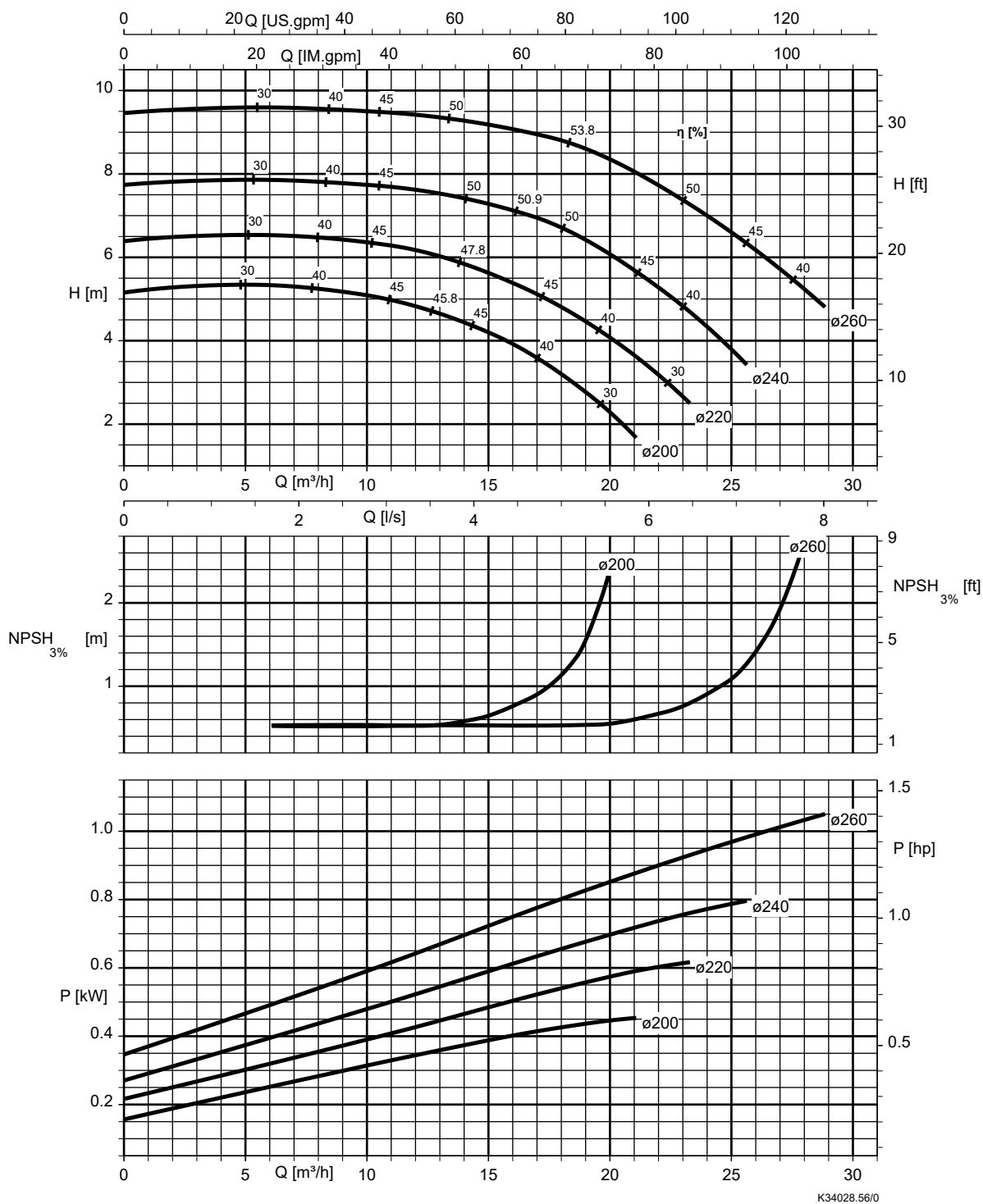
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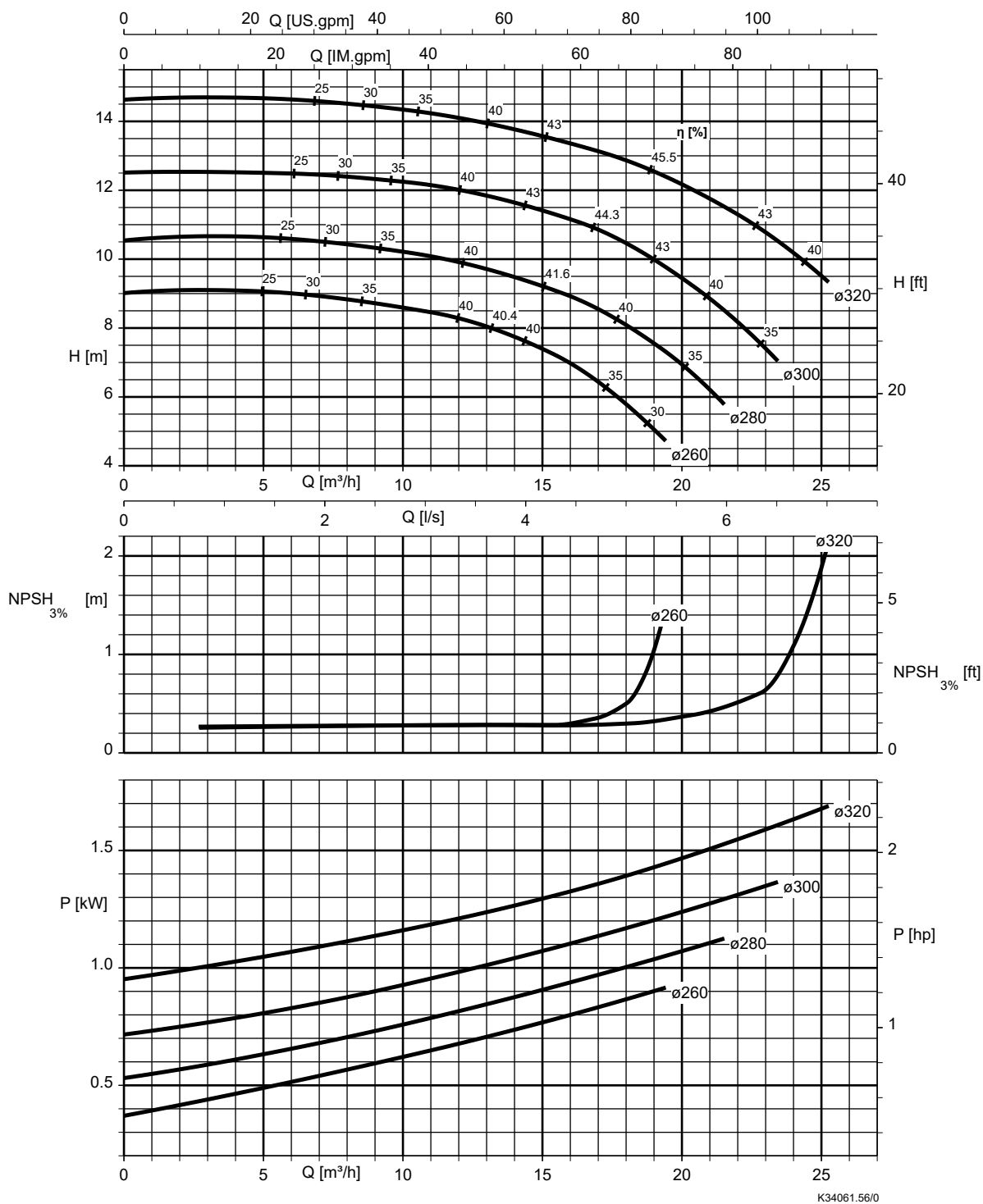
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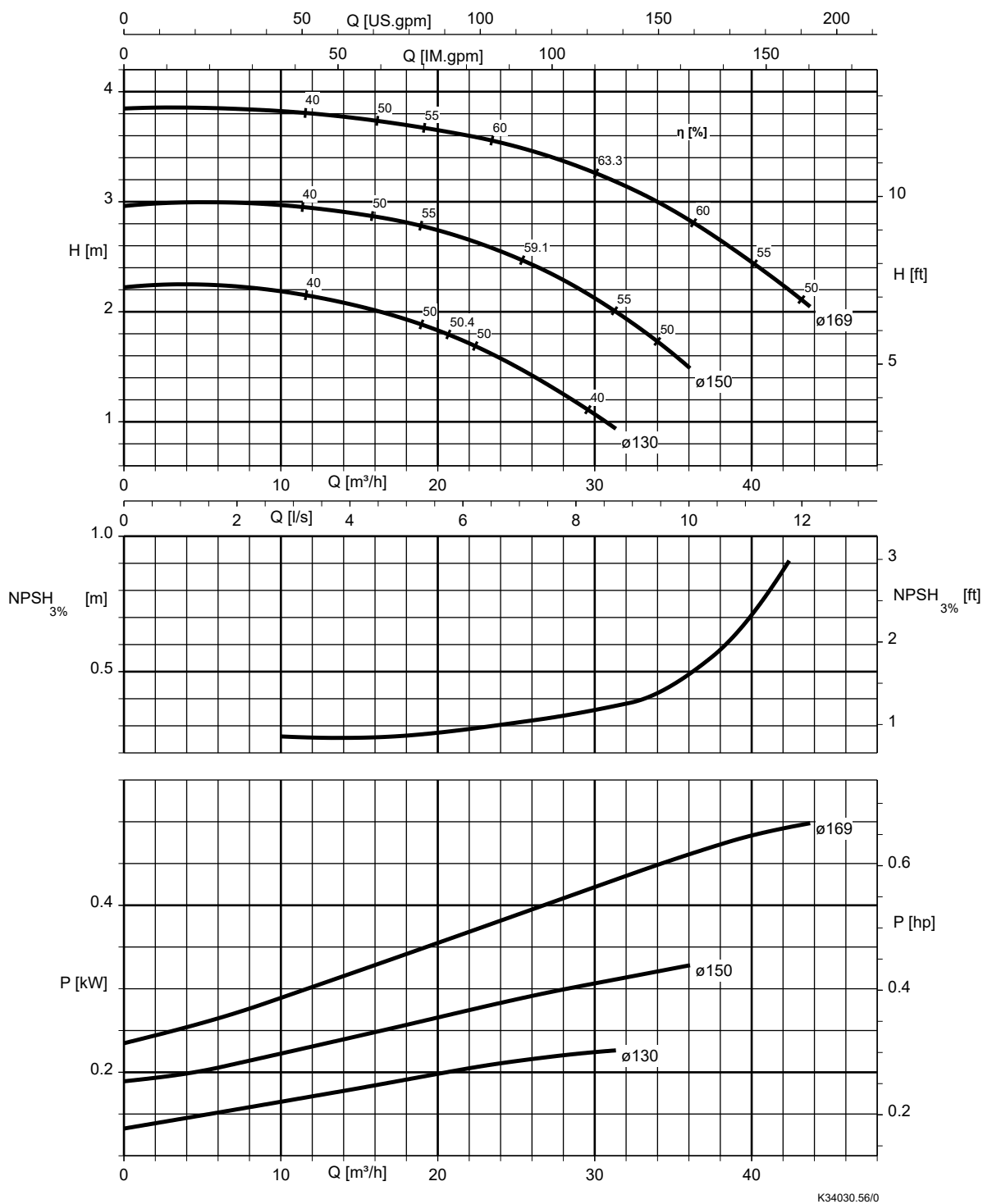
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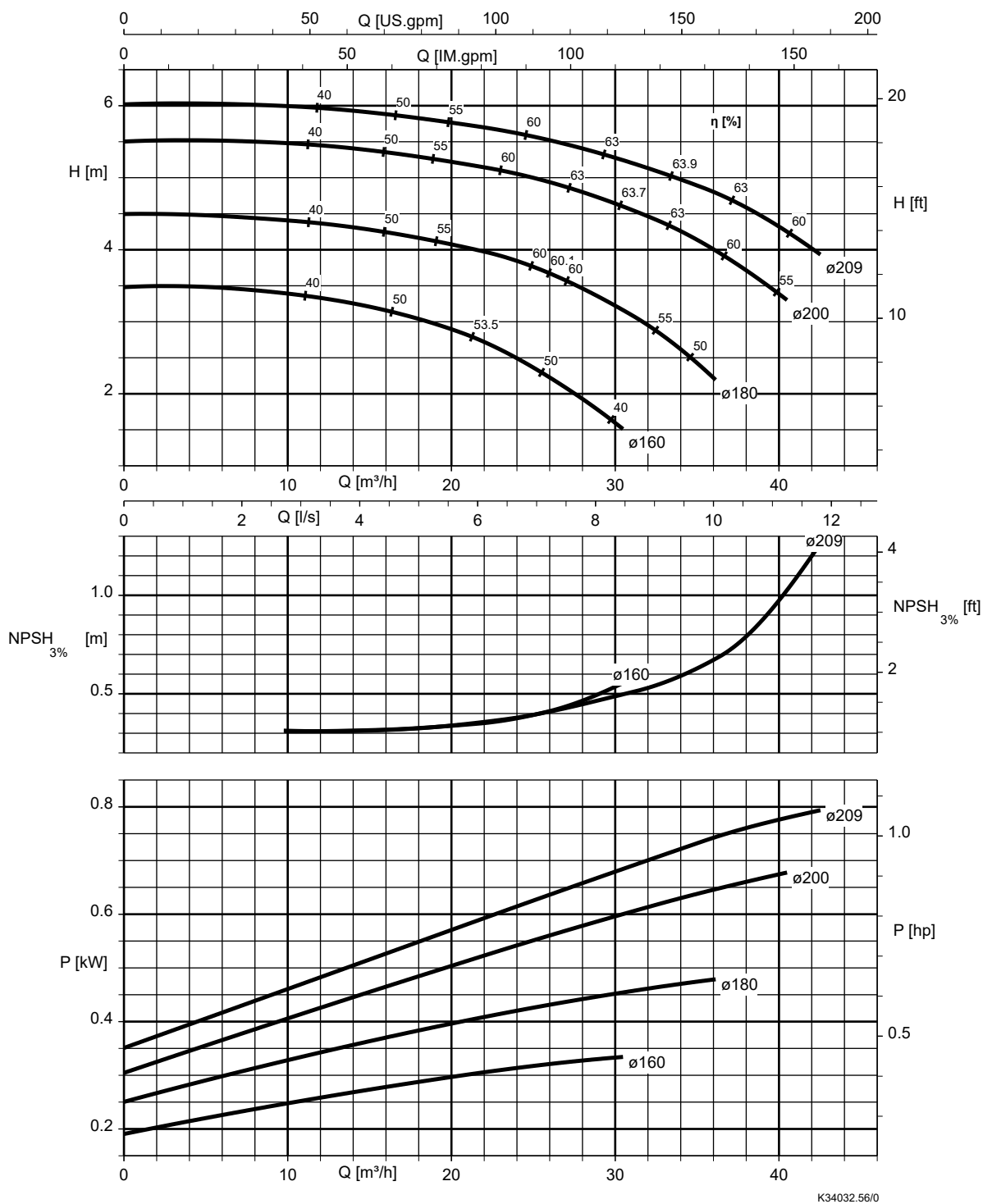


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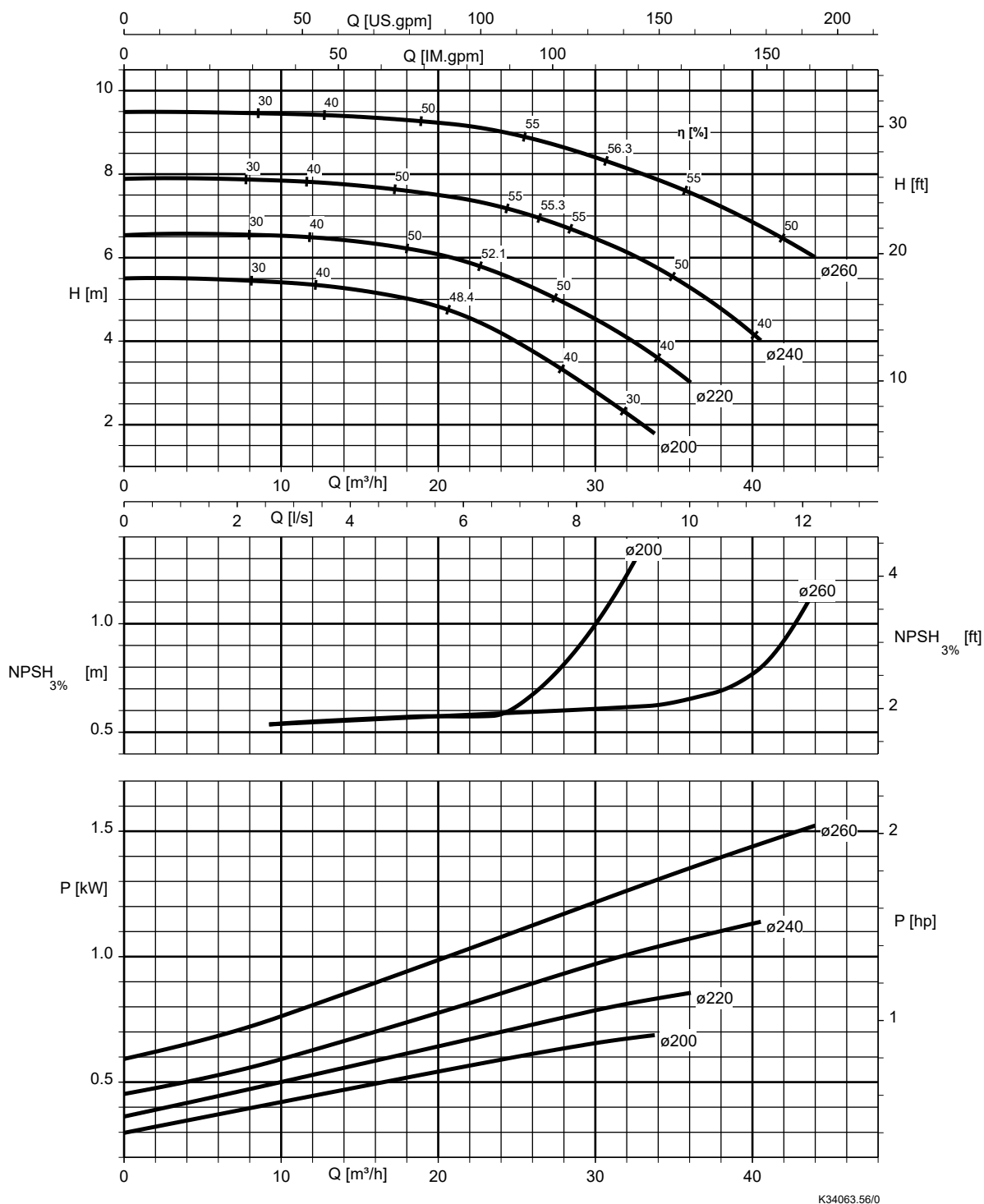


K34030.56/0

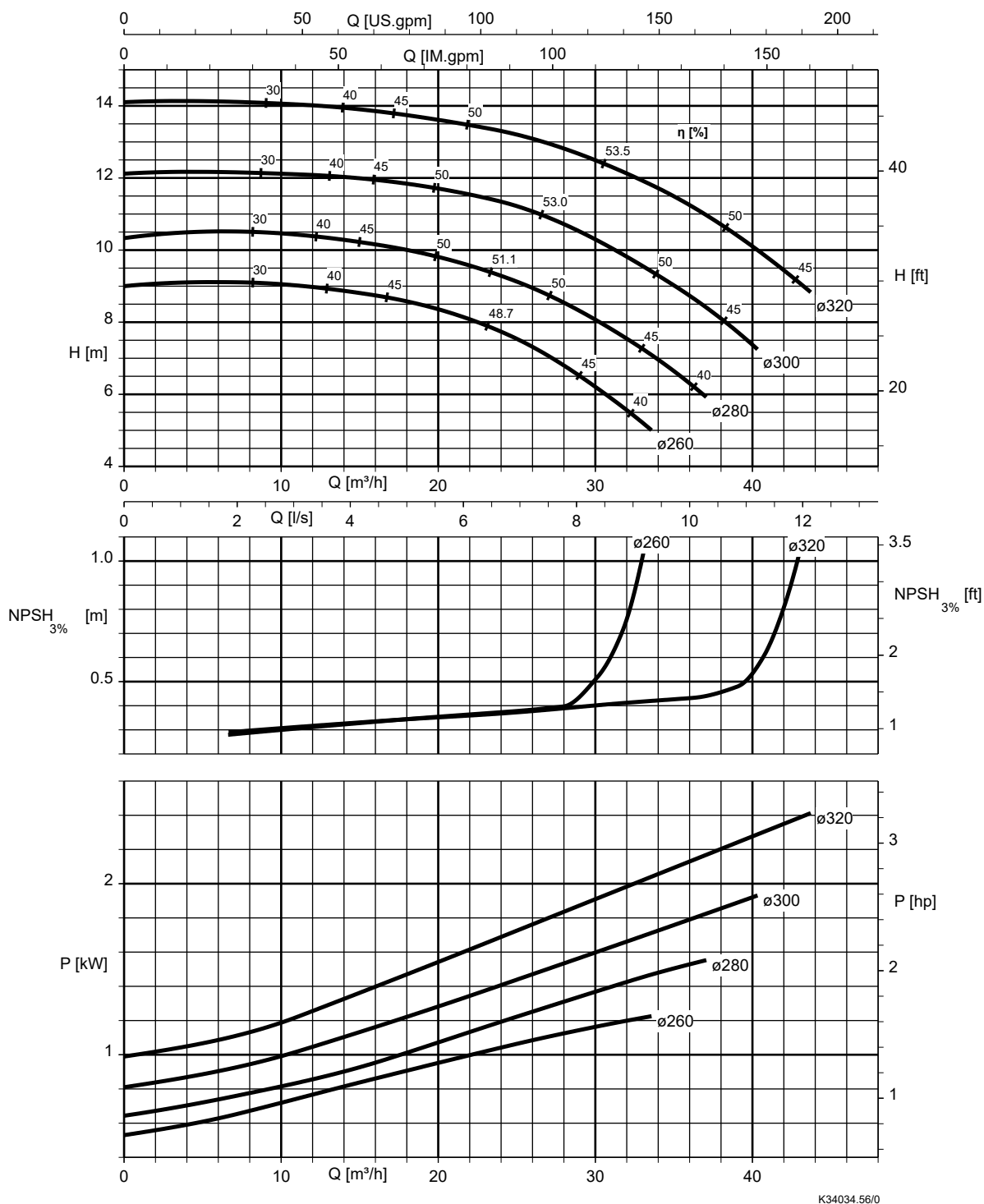
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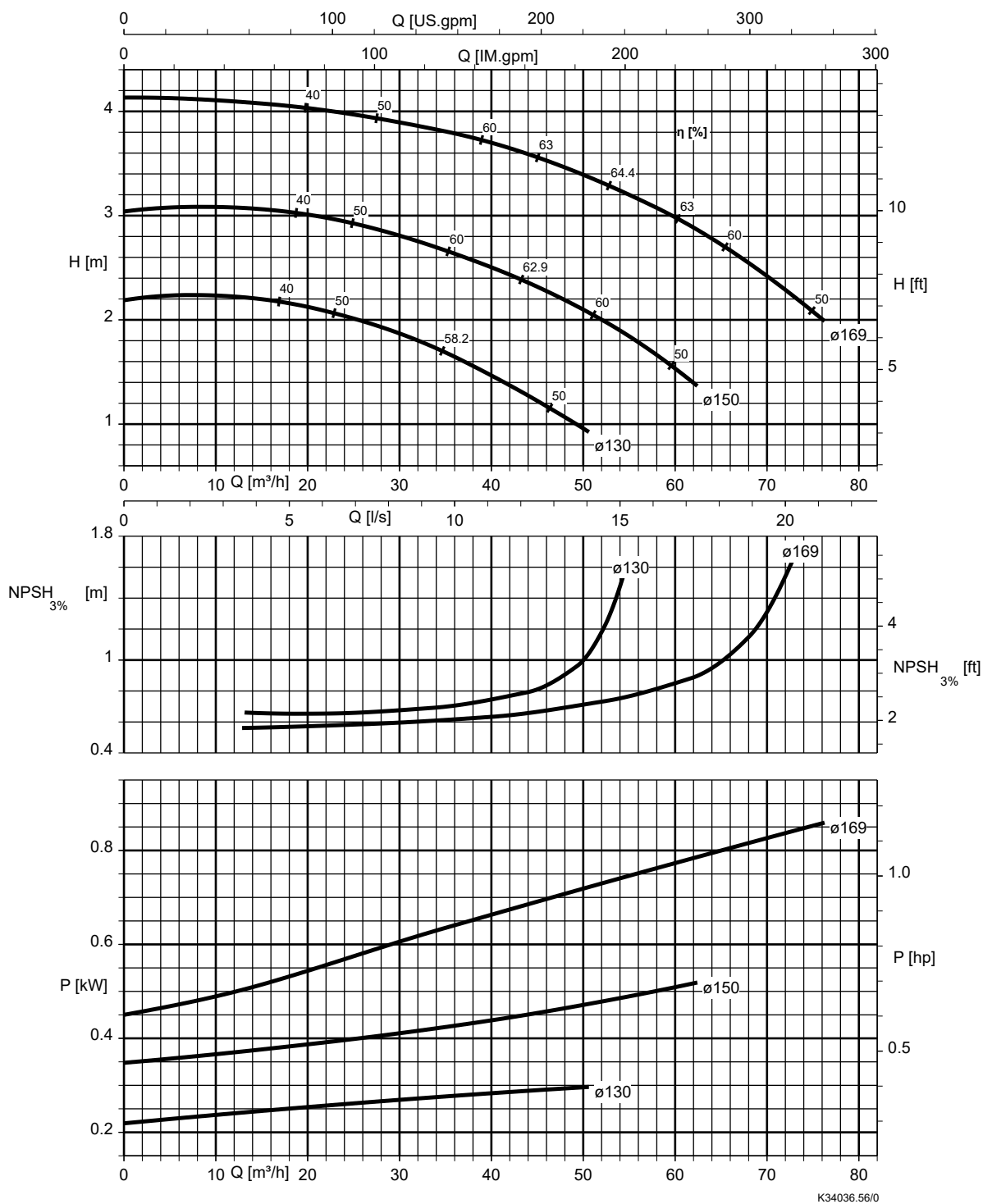
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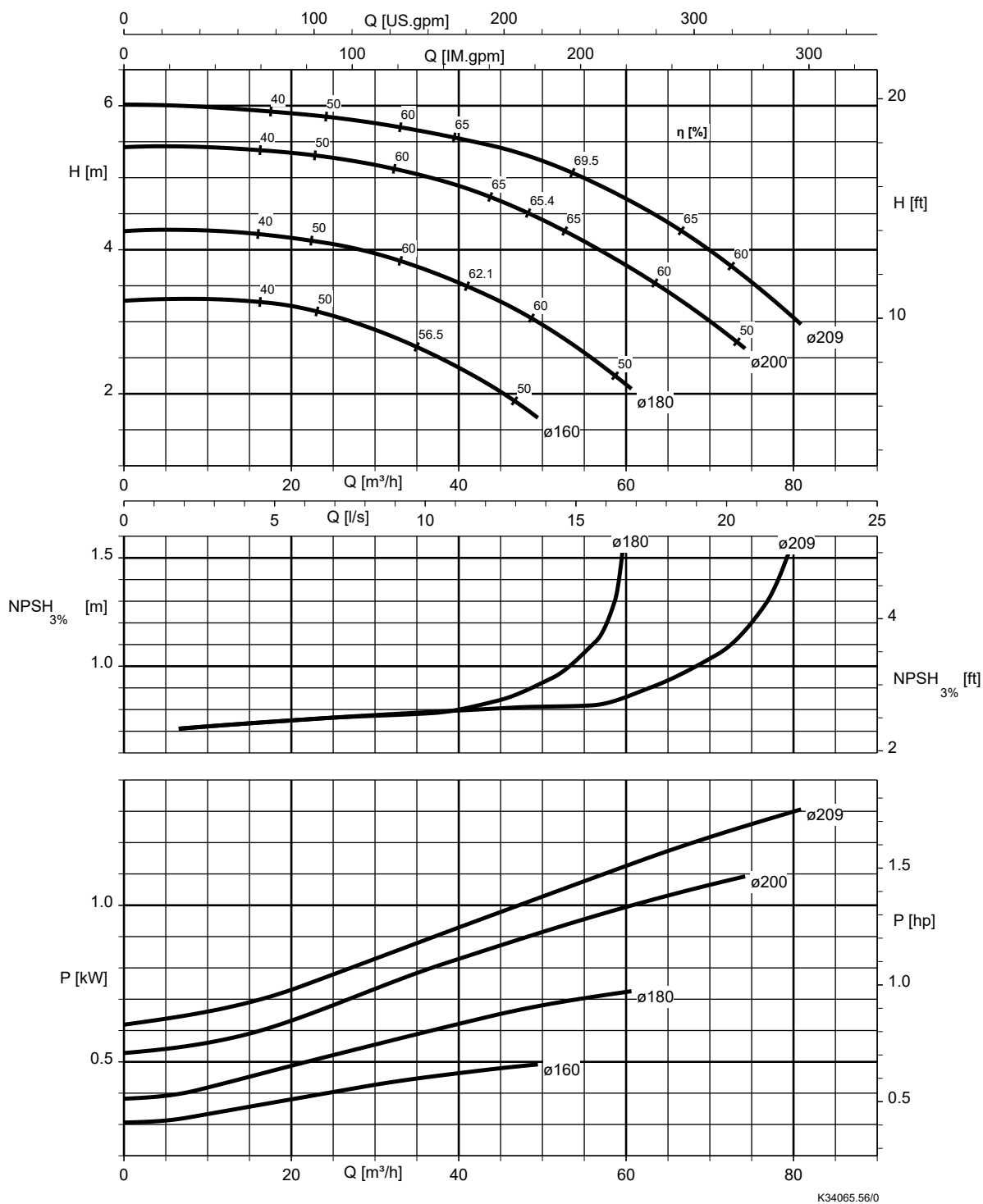
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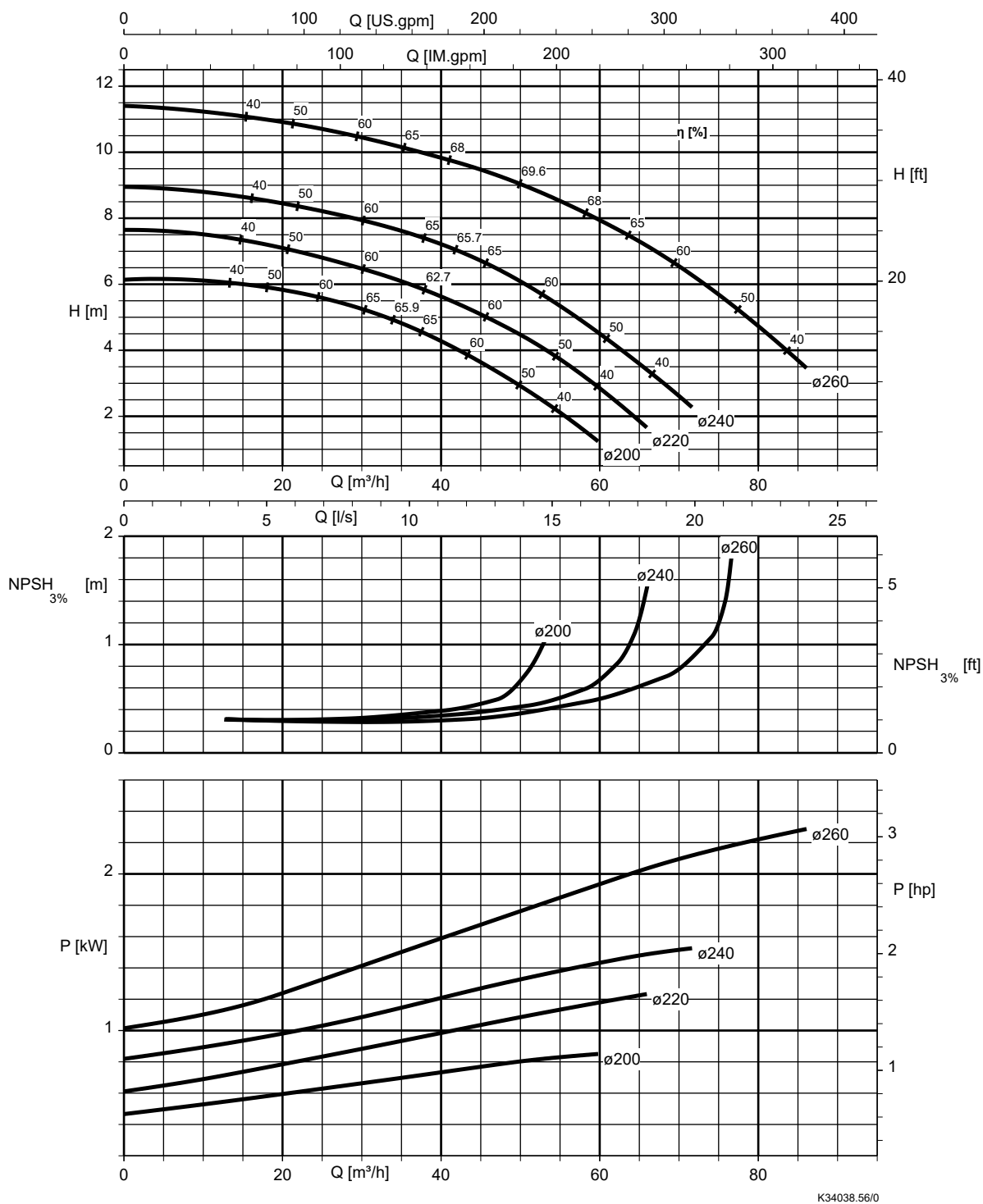
CPKNO 80-160, 960 giri/min



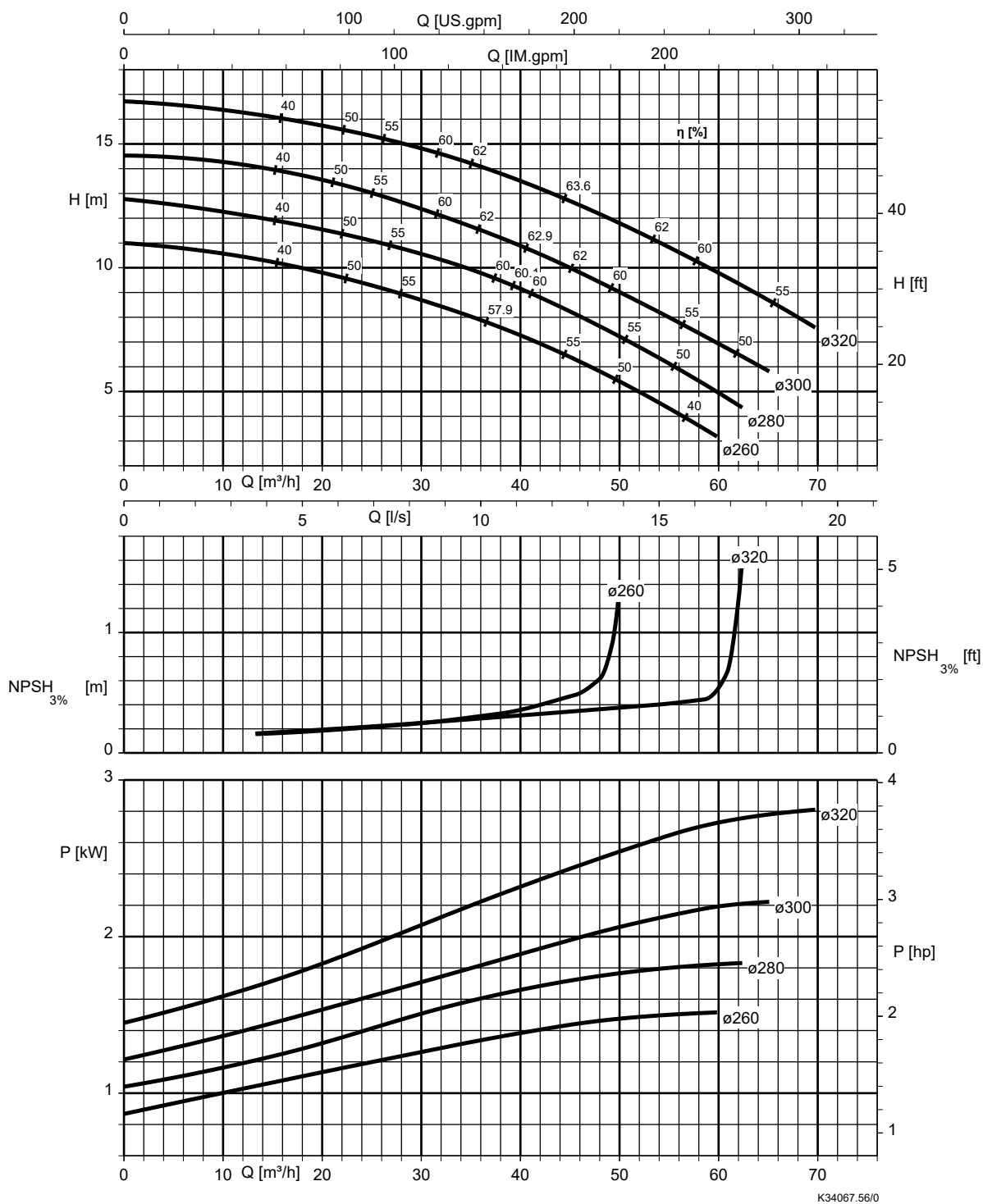
CPKNO 80-200, 960 giri/min



CPKNO 80-250, 960 giri/min



CPKNO 80-315, 960 giri/min



The image displays three performance charts for the K34039.56/0 pump, showing head, NPSH, and power requirements across a range of flow rates.

Top Chart: Head (H) vs. Flow (Q)

- Y-axis:** Head (H) in meters (m) and feet (ft).
- X-axis:** Flow (Q) in US.gpm, IM.gpm, and m³/h.
- Curves:** Head vs. flow curves for different impeller diameters (ø320, ø340, ø360, ø380, ø400, ø404) and efficiency levels (η [%]).
- Efficiency Labels:** 30, 30, 40, 40, 45, 45, 48, 48, 49.1, 49.2, 49.2, 49.8.

Middle Chart: NPSH_{3%} vs. Flow (Q)

- Y-axis:** NPSH_{3%} in feet (ft).
- X-axis:** Flow (Q) in m³/h.
- Curves:** NPSH_{3%} vs. flow curves for different impeller diameters (ø320, ø360, ø404).

Bottom Chart: Power (P) vs. Flow (Q)

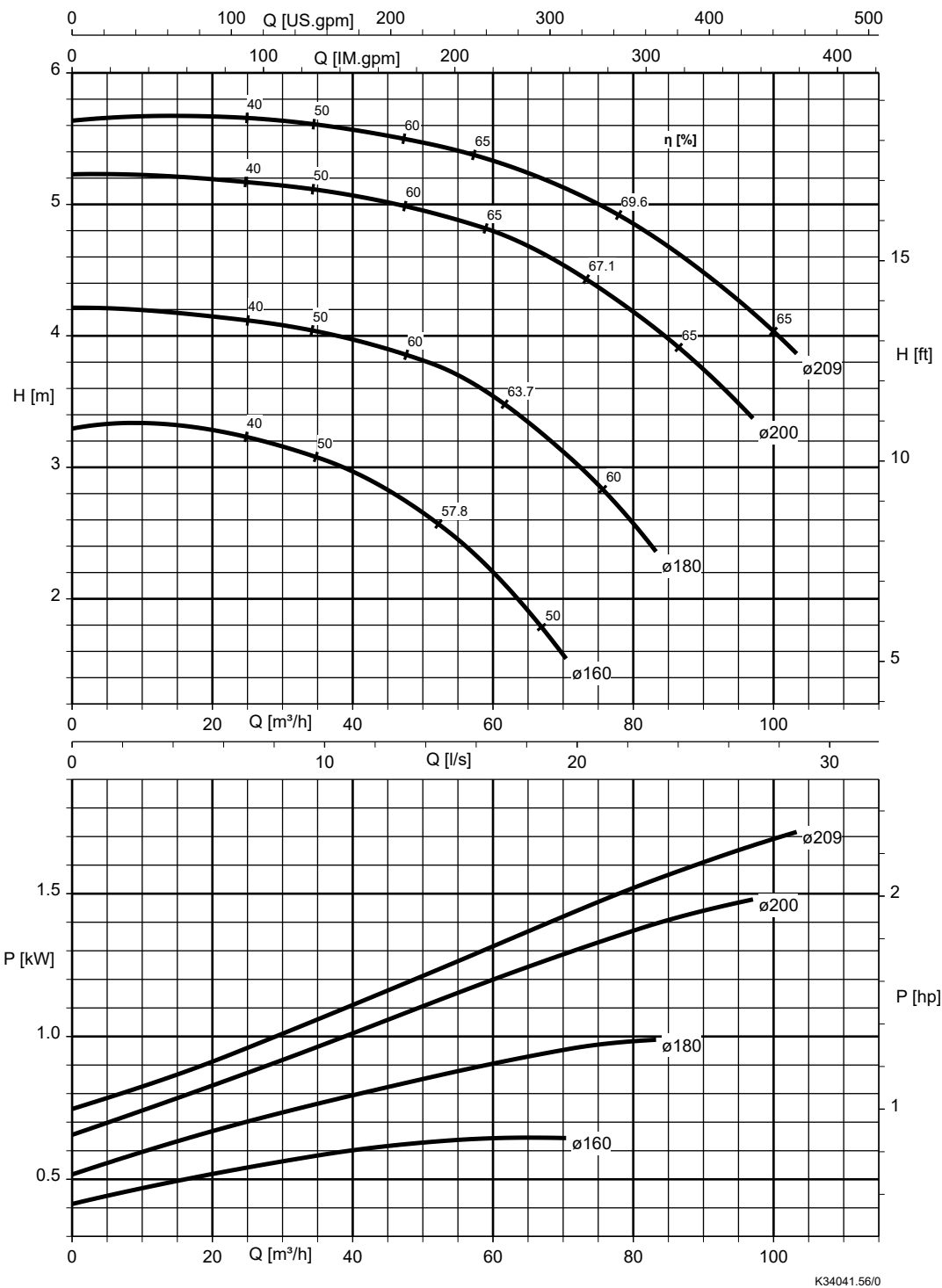
- Y-axis:** Power (P) in kW and hp.
- X-axis:** Flow (Q) in m³/h.
- Curves:** Power vs. flow curves for different impeller diameters (ø320, ø340, ø360, ø380, ø400, ø404).

Legend:

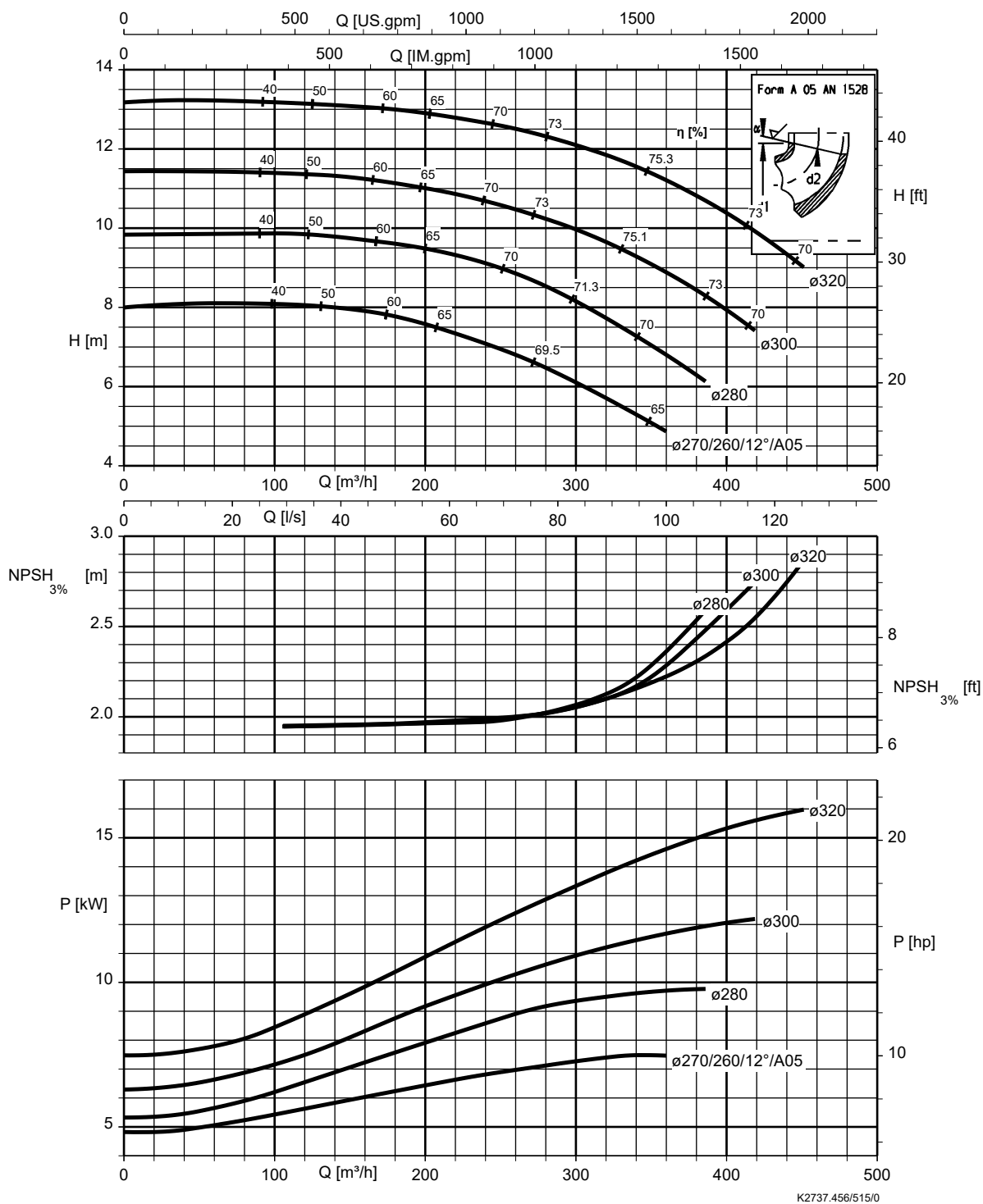
- ø320
- ø340
- ø360
- ø380
- ø400
- ø404

Source: K34039.56/0

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