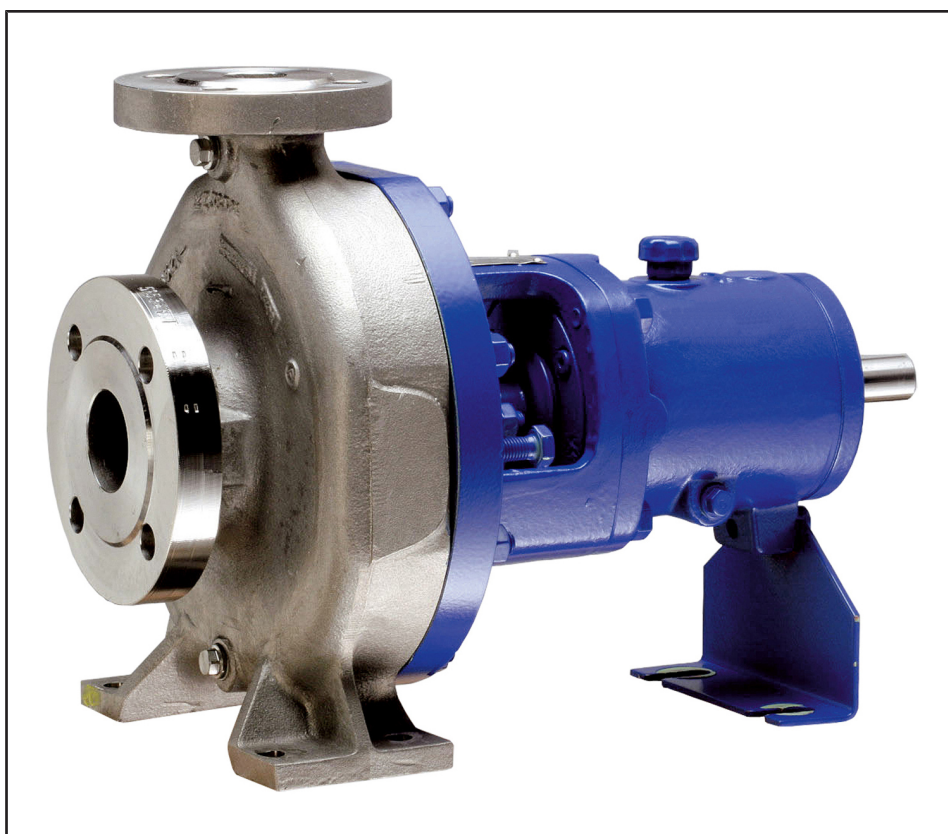


Pompe chimie normalisée

CPKNO

Courbier



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Courbier CPKNO

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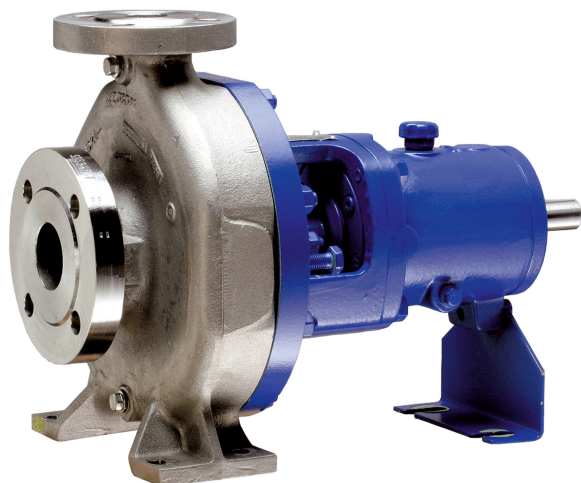
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Pompes centrifuges

Pompes normalisées pour la chimie

CPKNO



Généralités

Classe de réception

Courbes caractéristiques selon ISO 9906 Classe 3B

Valeurs NPSH

Les valeurs NPSH mesurées, indiquées sur les courbes caractéristiques correspondent à une chute de 3 % de la hauteur manométrique.

Valeur NPSH dans la plage de charge partielle

La mesure des valeurs NPSH pour les débits inférieurs à $Q = 0,3 \times Q_{opt}$ est très complexe. Des informations sur les valeurs NPSH dans la plage de charge partielle ne sont pas fournies.

Densité du fluide pompé

Les hauteurs manométriques et les puissances indiquées sont valables pour tous les fluides pompés dont la densité $\rho = 1,0 \text{ kg/dm}^3$ et la viscosité cinématique ν est égale ou inférieure à $20 \text{ mm}^2/\text{s}$. Si la densité $\neq 1,0$, multiplier la puissance indiquée par ρ . Pour les viscosités $> 20 \text{ mm}^2/\text{s}$, calculer les données correspondantes à l'eau froide et déterminer l'incidence sur la puissance de la pompe.

Perte de puissance par frottement

Pour certaines versions (paliers renforcés, certaines garnitures d'étanchéité d'arbre), il convient de tenir compte des pertes de puissance par frottement et de les indiquer dans la fiche de spécifications en tant que puissance supplémentaire.

Rognage de la roue

Un rognage de la roue est possible pour chaque diamètre jusqu'au diamètre minimum déterminé.

Limites d'utilisation

Respecter les limites d'utilisation dues aux matériaux ou à la version.

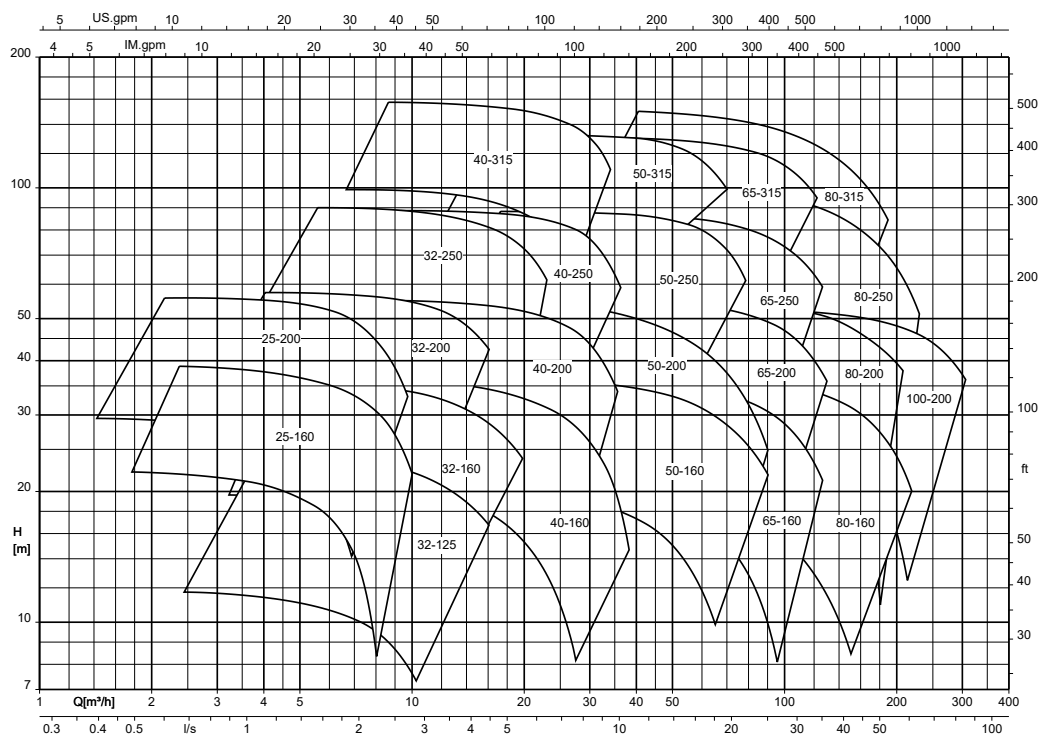
Synoptique des tailles

Tableau 1: Synoptique des tailles

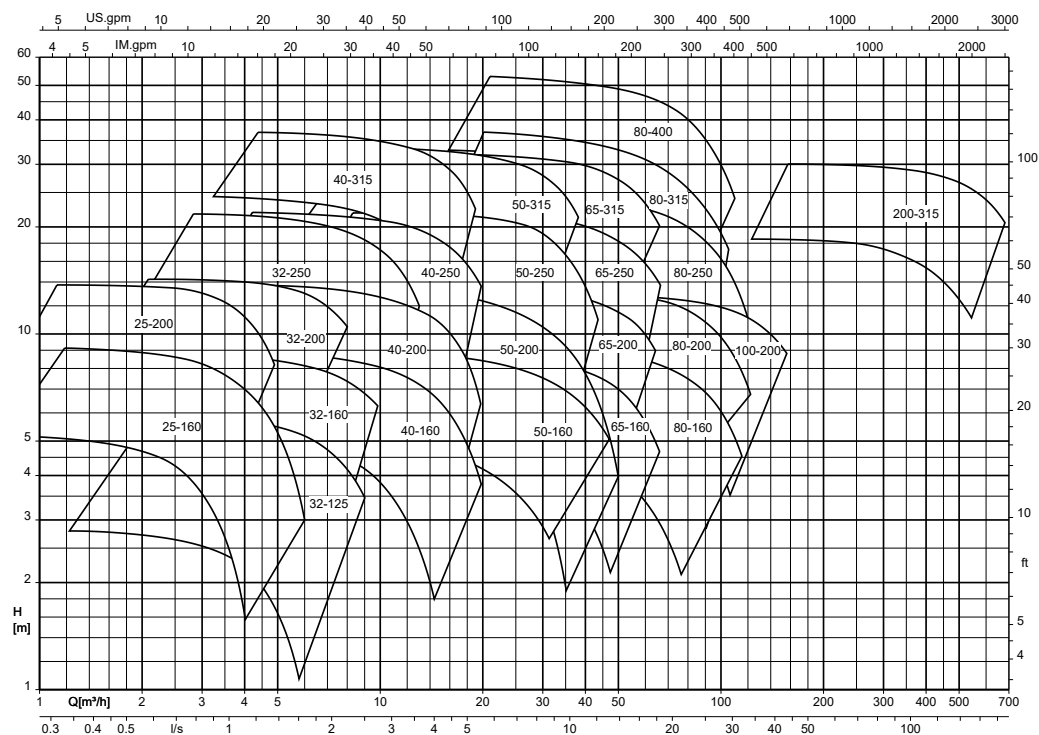
Taille	Vitesse de rotation		
	1450 t/min	2900 t/min	960 t/min
25-160	(⇒ page 31)	(⇒ page 8)	(⇒ page 56)
25-200	(⇒ page 32)	(⇒ page 9)	(⇒ page 57)
32-125	(⇒ page 33)	(⇒ page 10)	(⇒ page 58)
32-160	(⇒ page 34)	(⇒ page 11)	(⇒ page 59)
32-200	(⇒ page 35)	(⇒ page 12)	(⇒ page 60)
32-250	(⇒ page 36)	(⇒ page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

Grilles de sélection

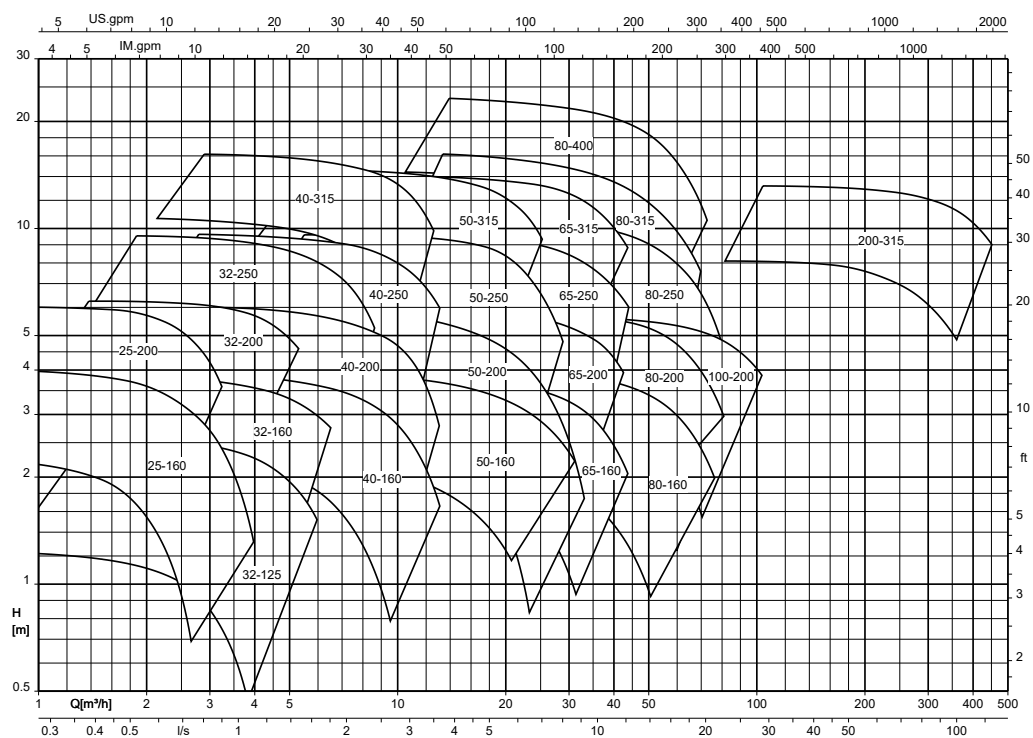
CPKNO, $n = 2900 \text{ t/min}$



CPKNO, $n = 1450 \text{ t/min}$



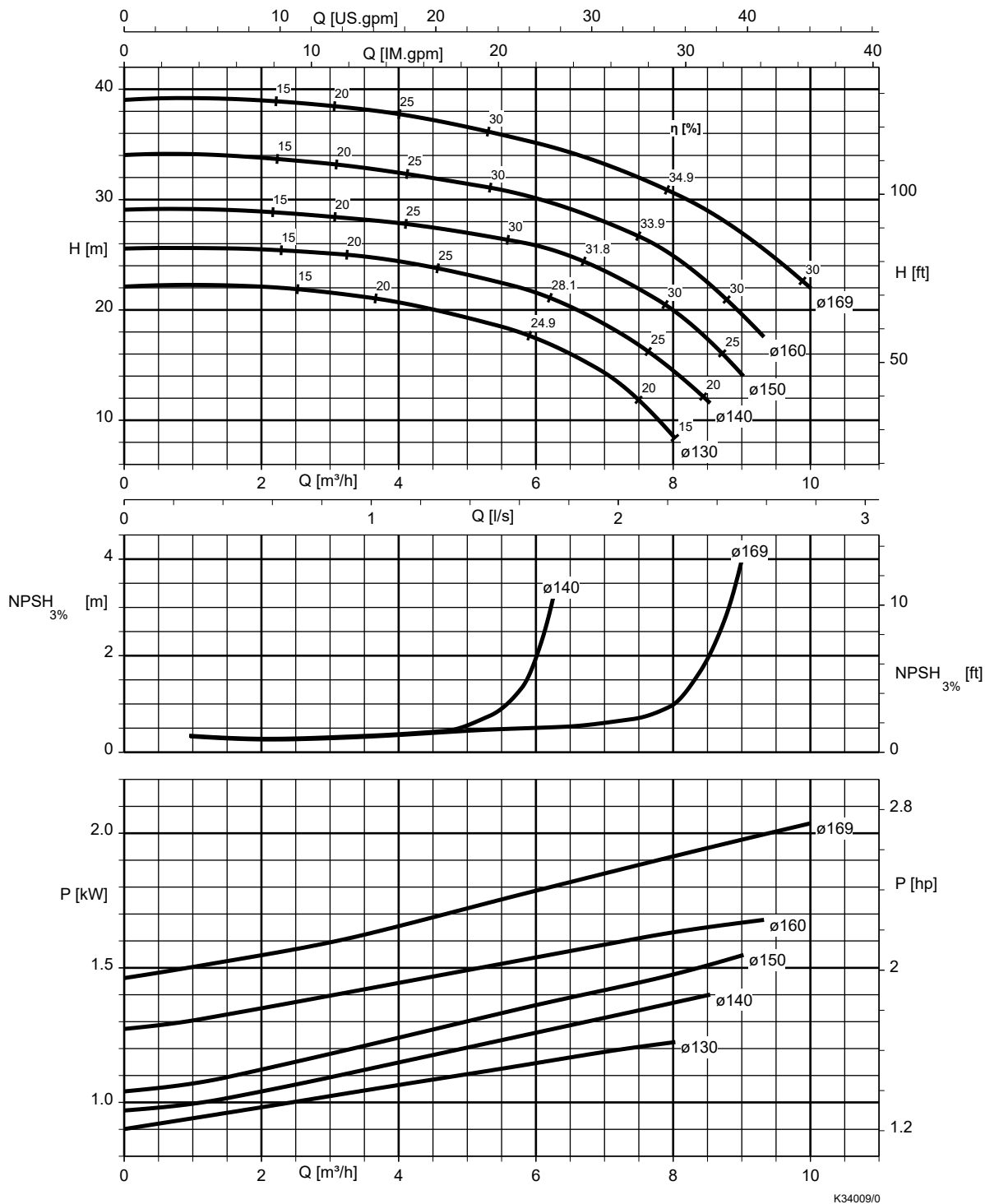
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Courbes caractéristiques

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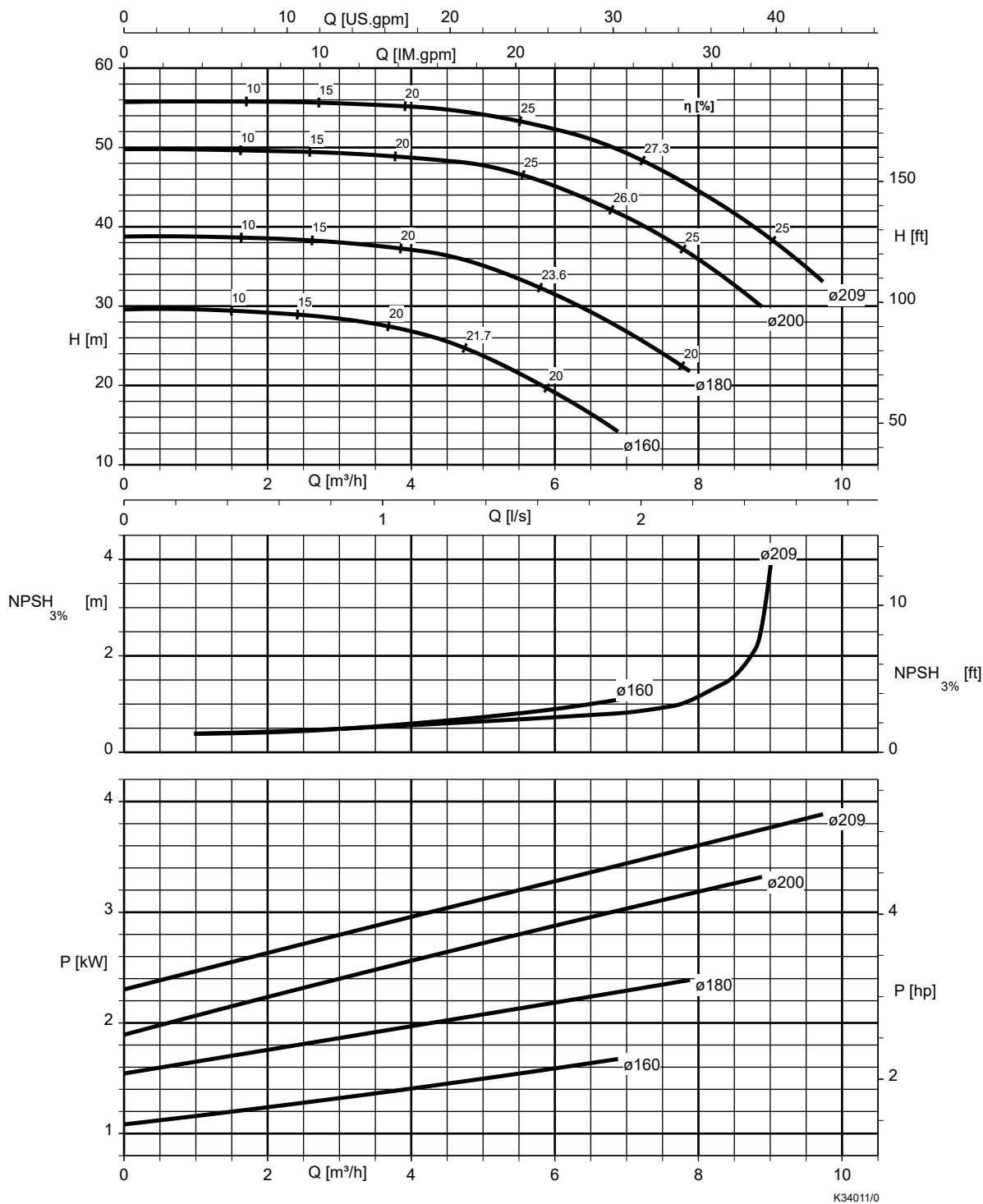
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K34009/0

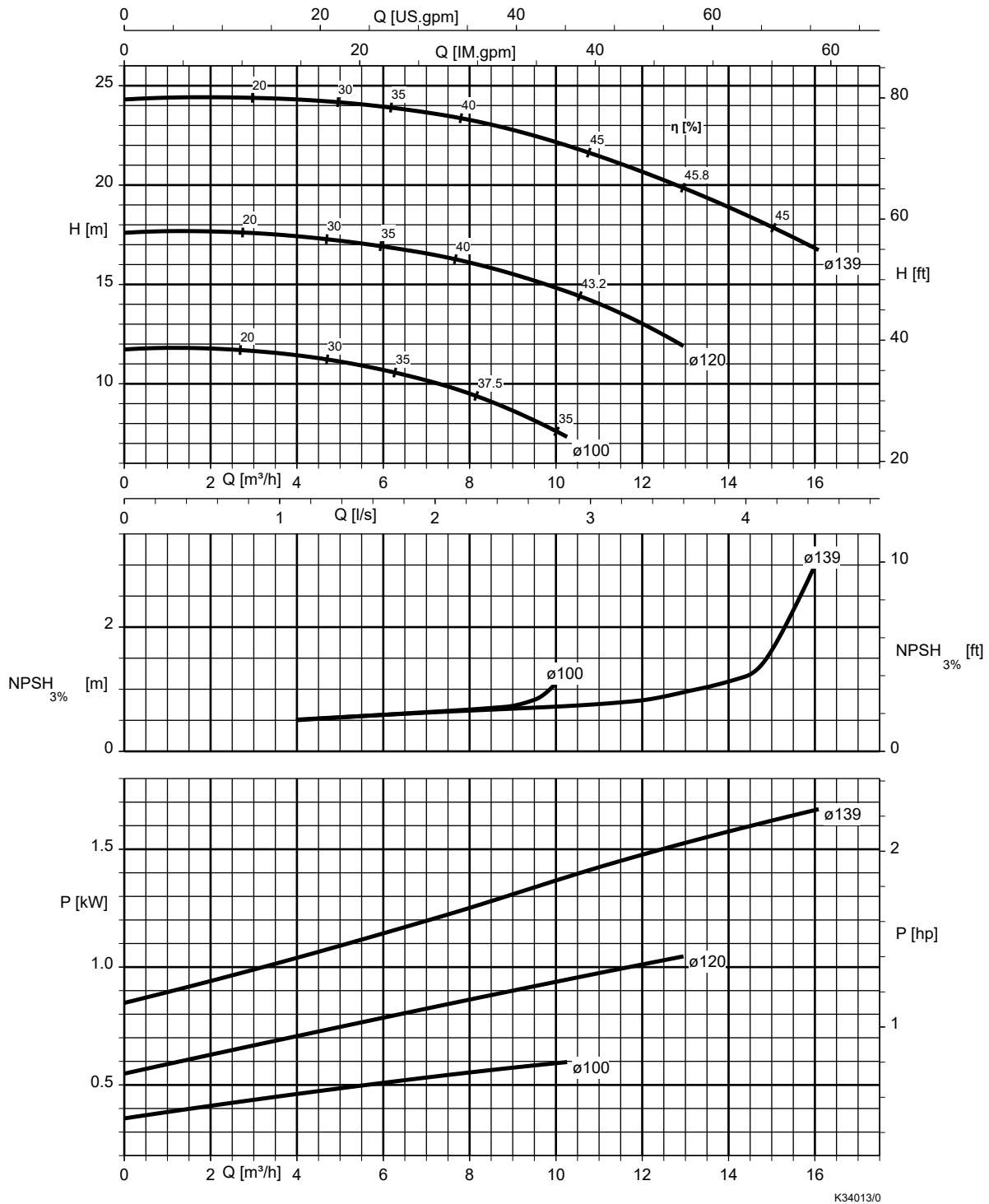
2730.458/01-FR

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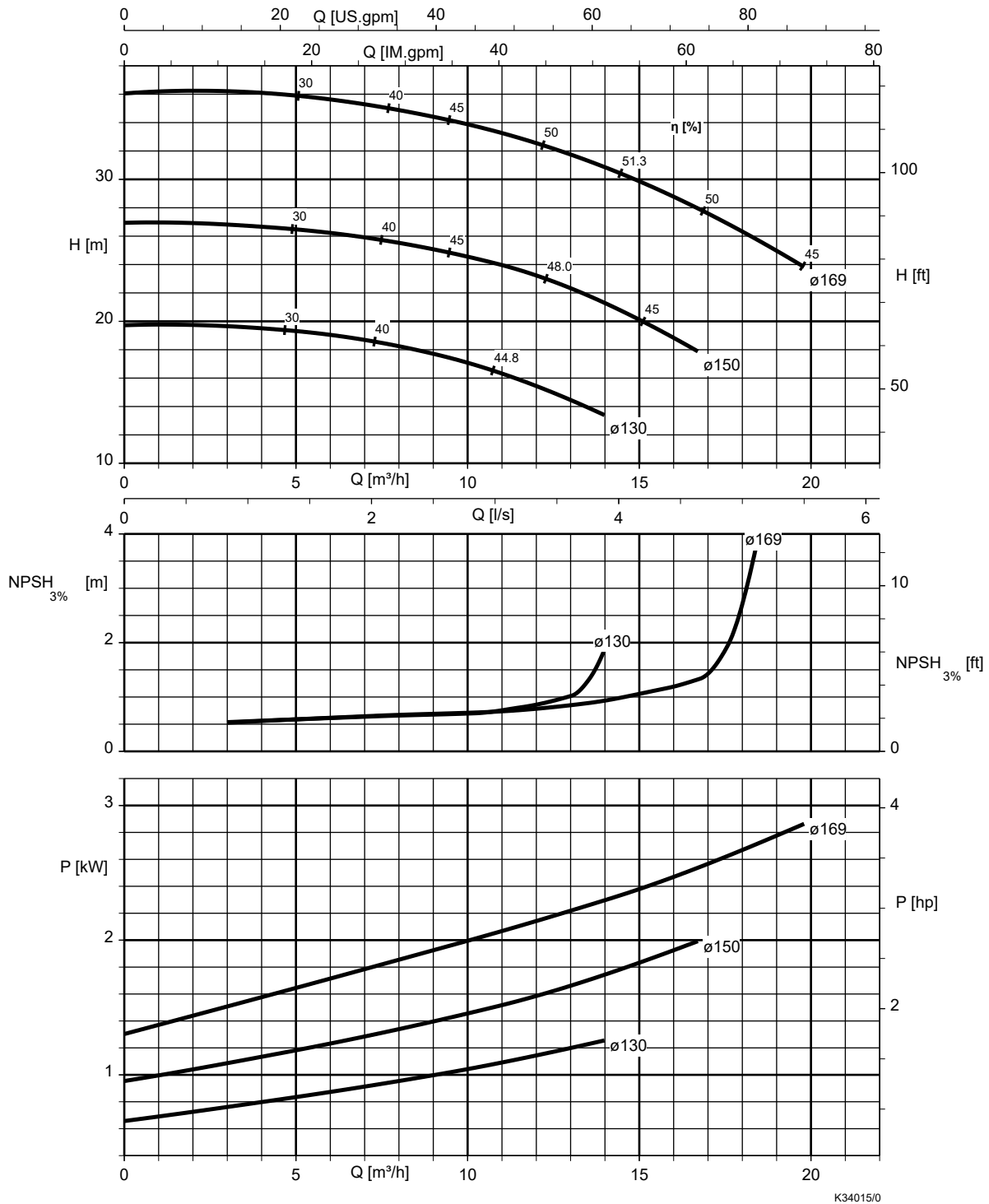


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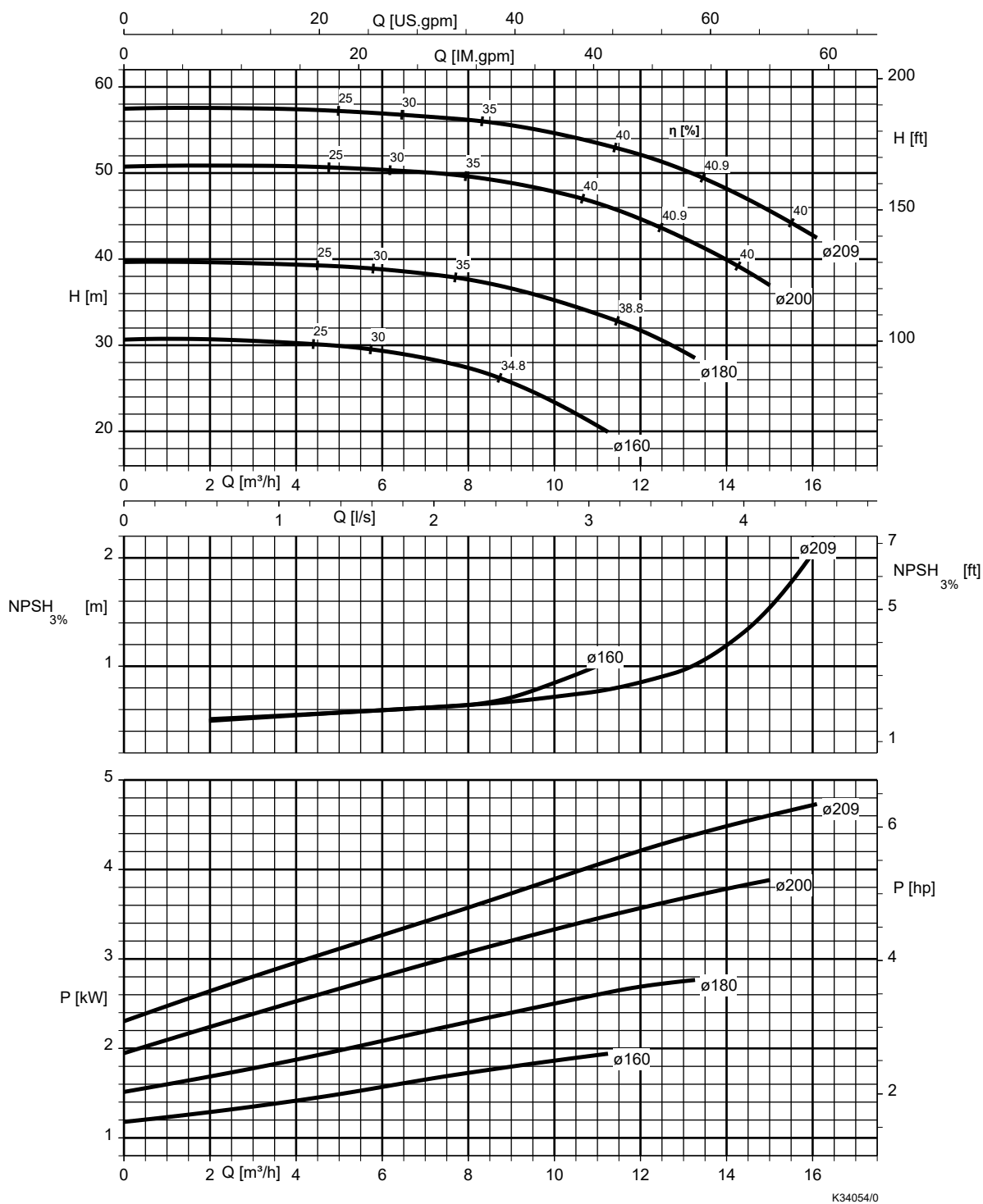
CPKNO 32-125, $n = 2900 \text{ t/min}$



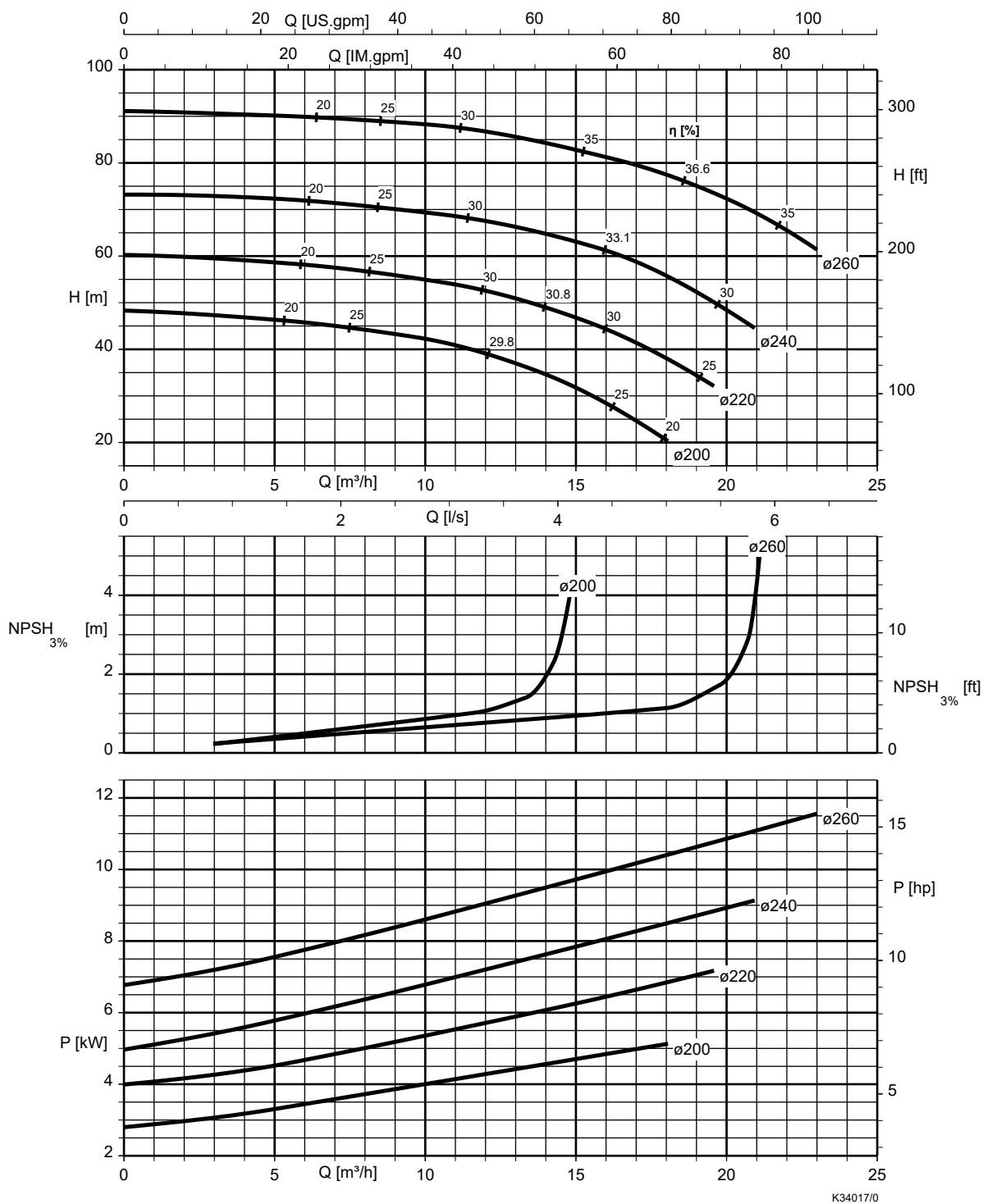
CPKNO 32-160, n = 2900 t/min



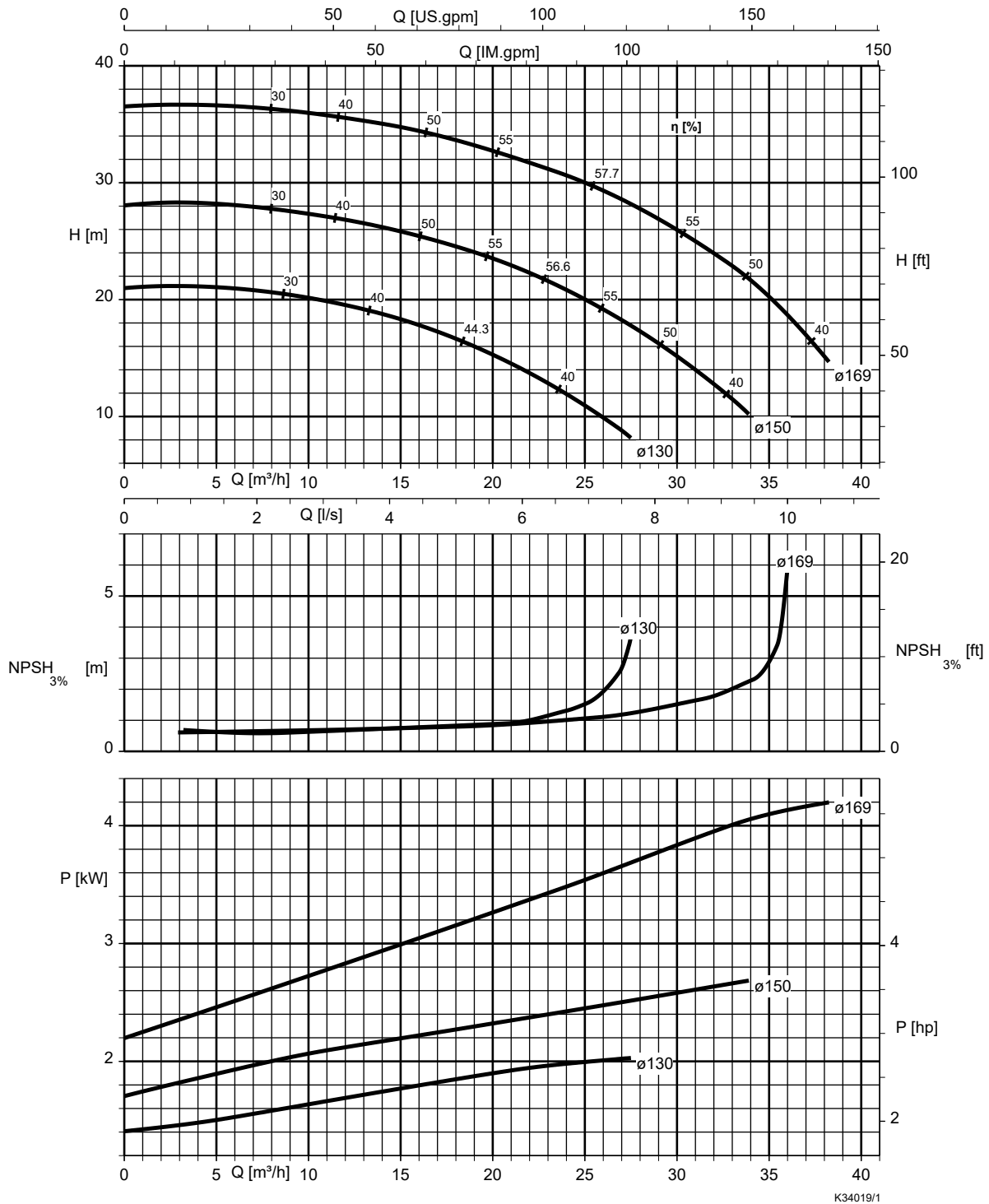
CPKNO 32-200, n = 2900 t/min



CPKNO 32-250, n = 2900 t/min



CPKNO 40-160, n = 2900 t/min



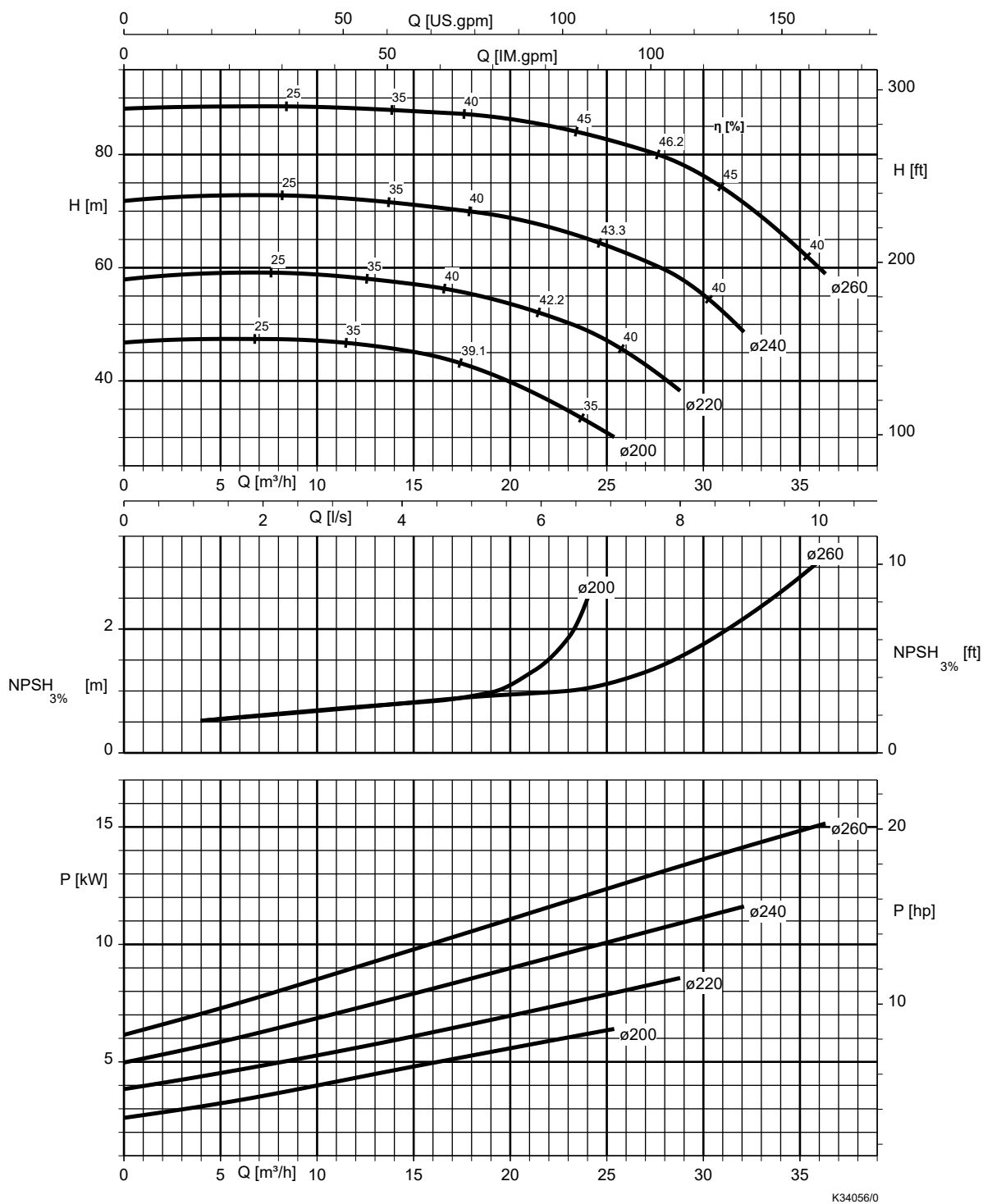
The figure consists of three vertically stacked graphs sharing a common x-axis representing flow rate Q in m^3/h , ranging from 0 to 35.

Top Graph: Total Head vs. Flow Rate
 The y-axis represents total head H in meters (left, 10 to 50) and feet (right, 30 to 150). It shows four performance curves for different pipe diameters: $\varnothing 160$, $\varnothing 180$, $\varnothing 200$, and $\varnothing 209$. Efficiency values (η in %) are marked on the curves: 30, 40, 45, 50, 53.3, 53.6, 49.4, 47.6, 45, 40, 45, 40.

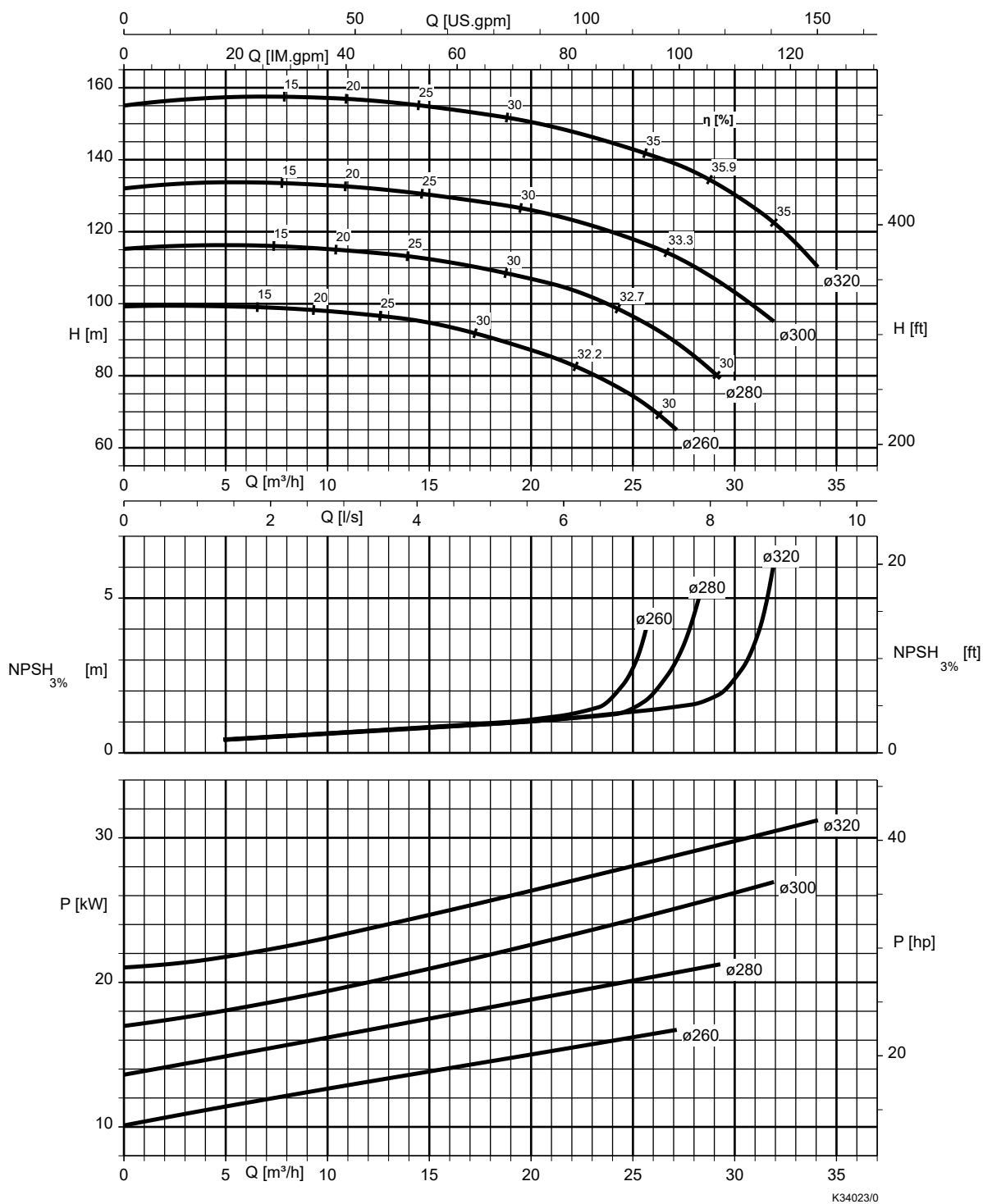
Middle Graph: NPSH_{3%} vs. Flow Rate
 The y-axis represents NPSH_{3%} in meters (left, 0 to 4) and feet (right, 2 to 10). It shows the required head for the $\varnothing 160$ and $\varnothing 209$ diameters, which increases with flow rate.

Bottom Graph: Power vs. Flow Rate
 The y-axis represents power P in kW (left, 0 to 8) and hp (right, 0 to 10). It shows four power curves for the same pipe diameters: $\varnothing 160$, $\varnothing 180$, $\varnothing 200$, and $\varnothing 209$, all increasing linearly with flow rate.

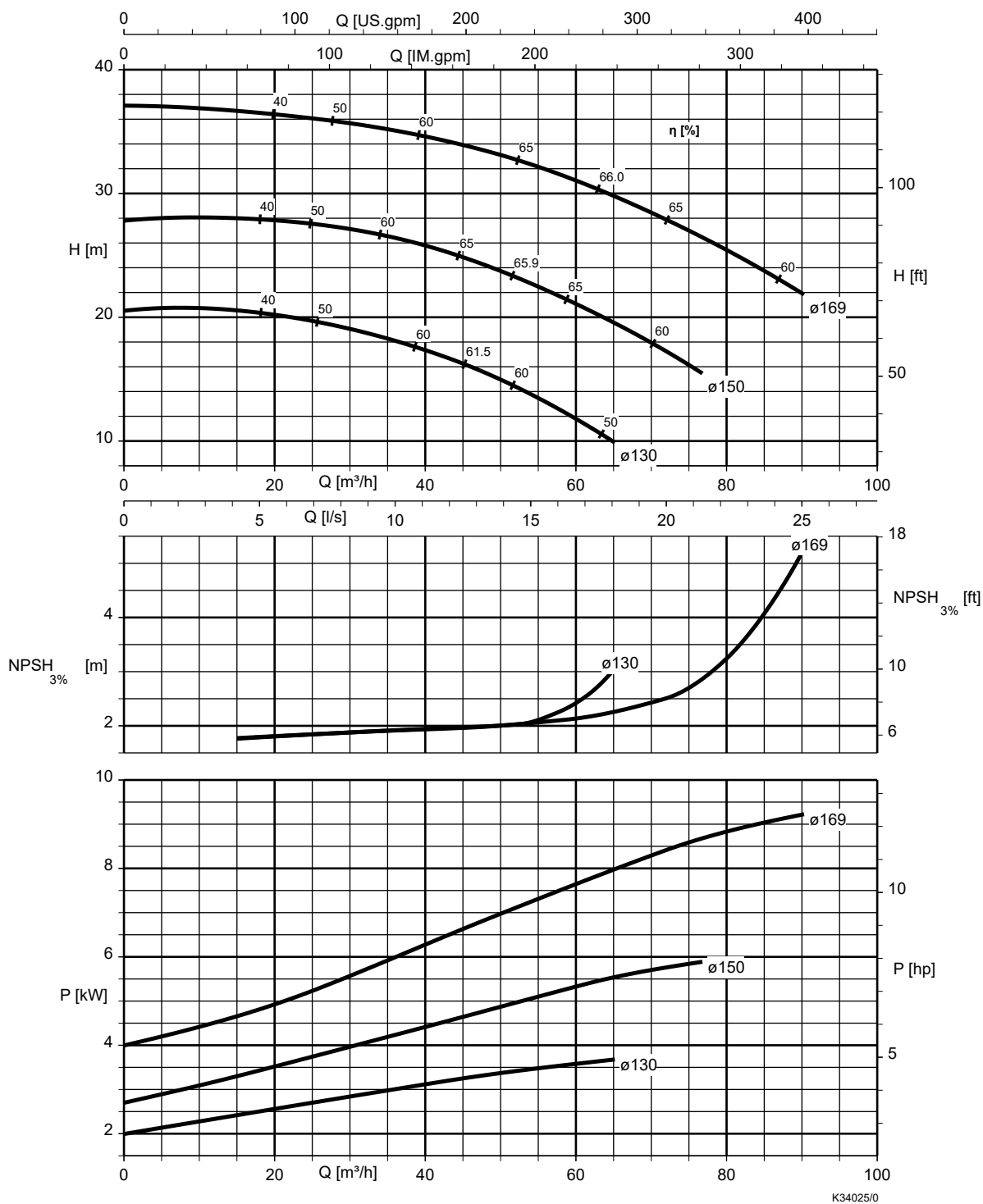
CPKNO 40-250, n = 2900 t/min



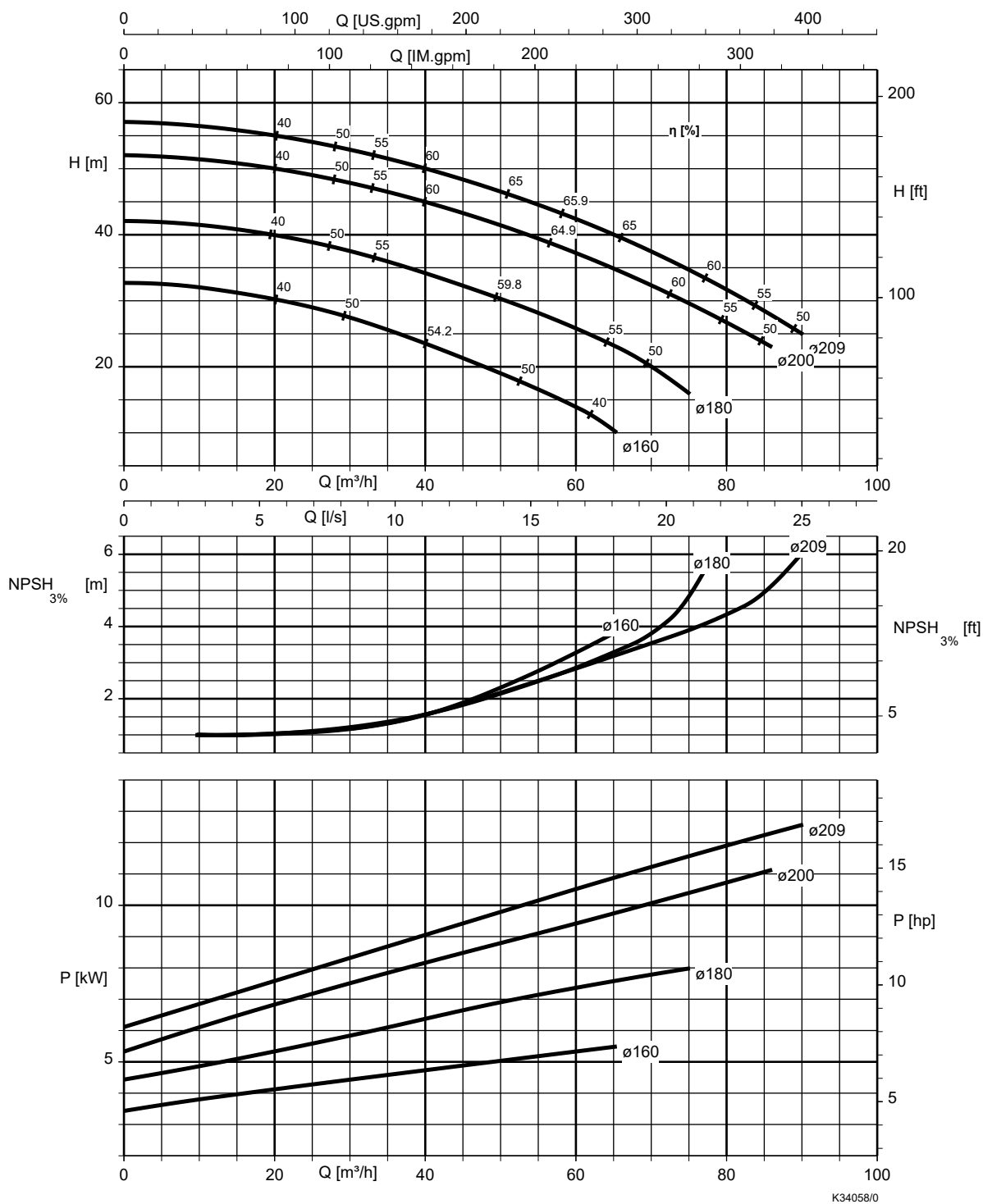
CPKNO 40-315, $n = 2900 \text{ t/min}$



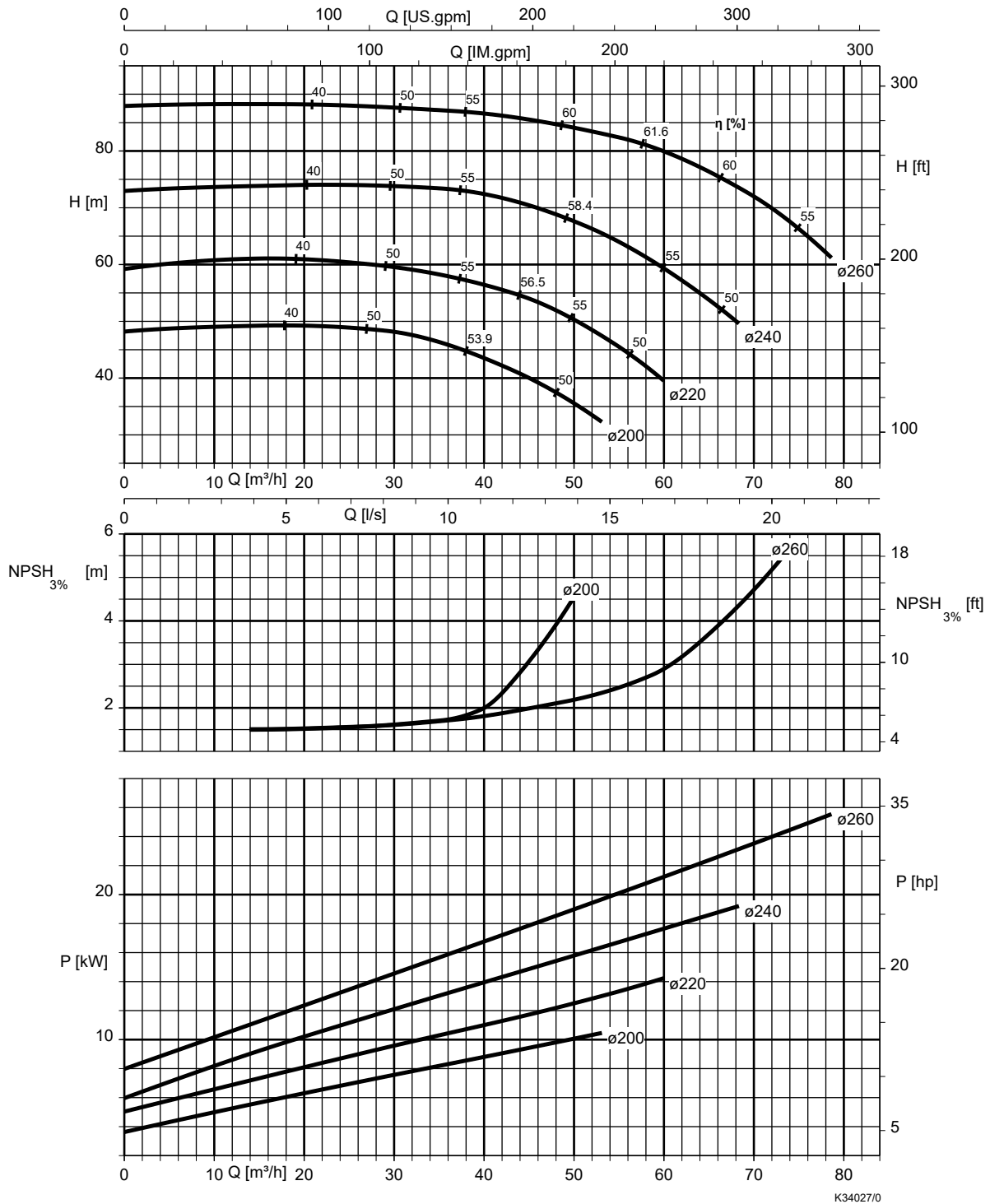
CPKNO 50-160, n = 2900 t/min



CPKNO 50-200, $n = 2900 \text{ t/min}$

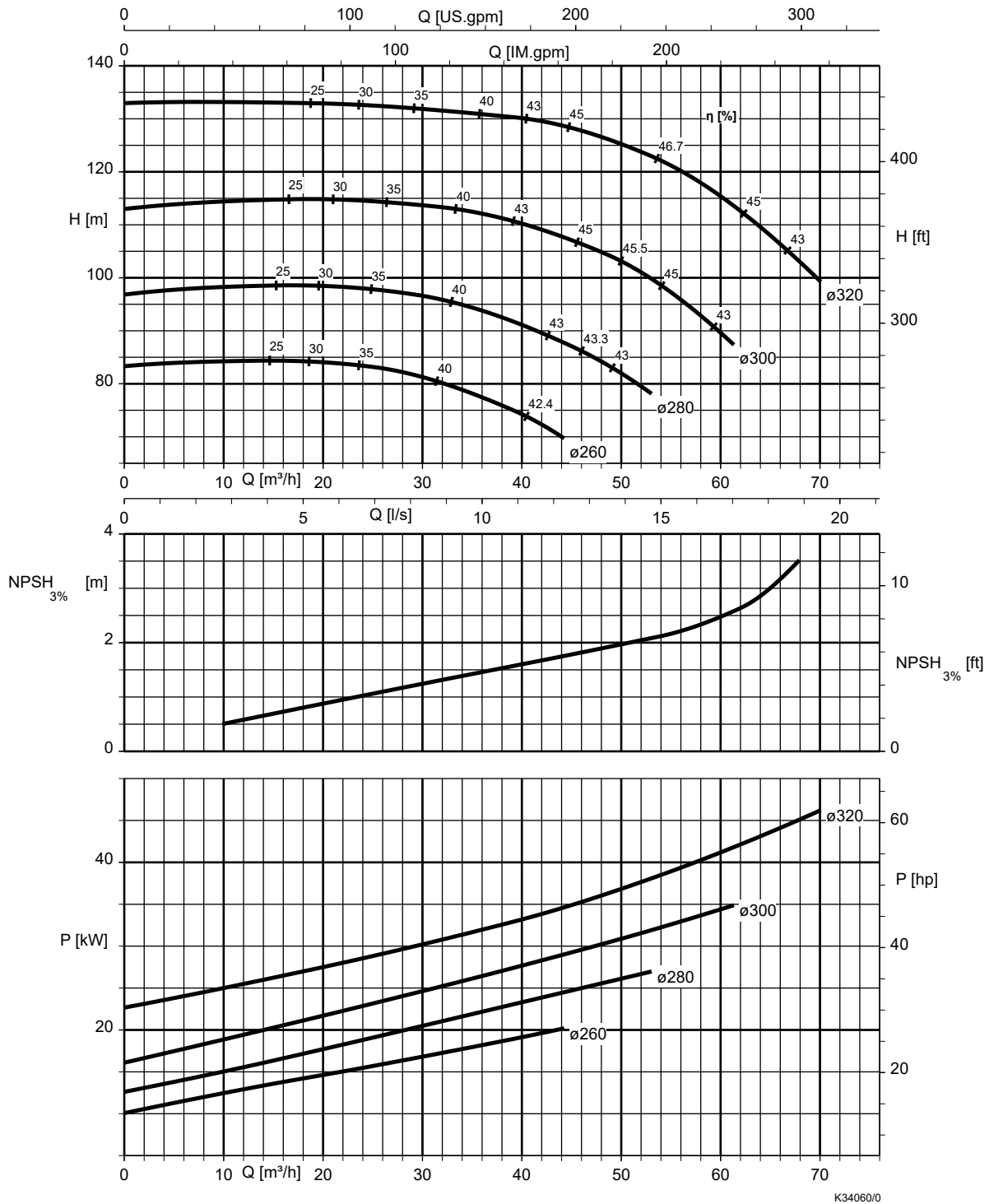


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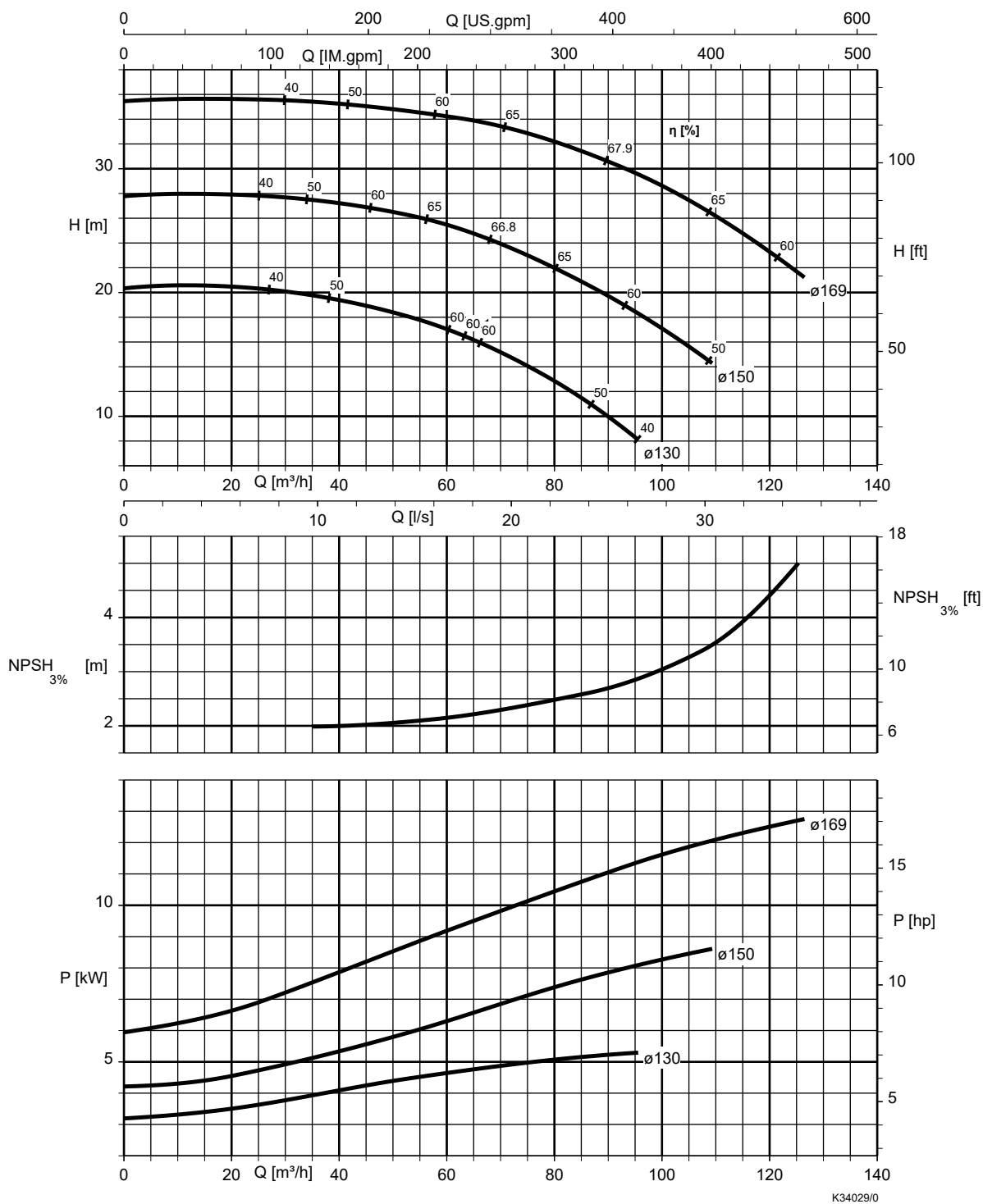


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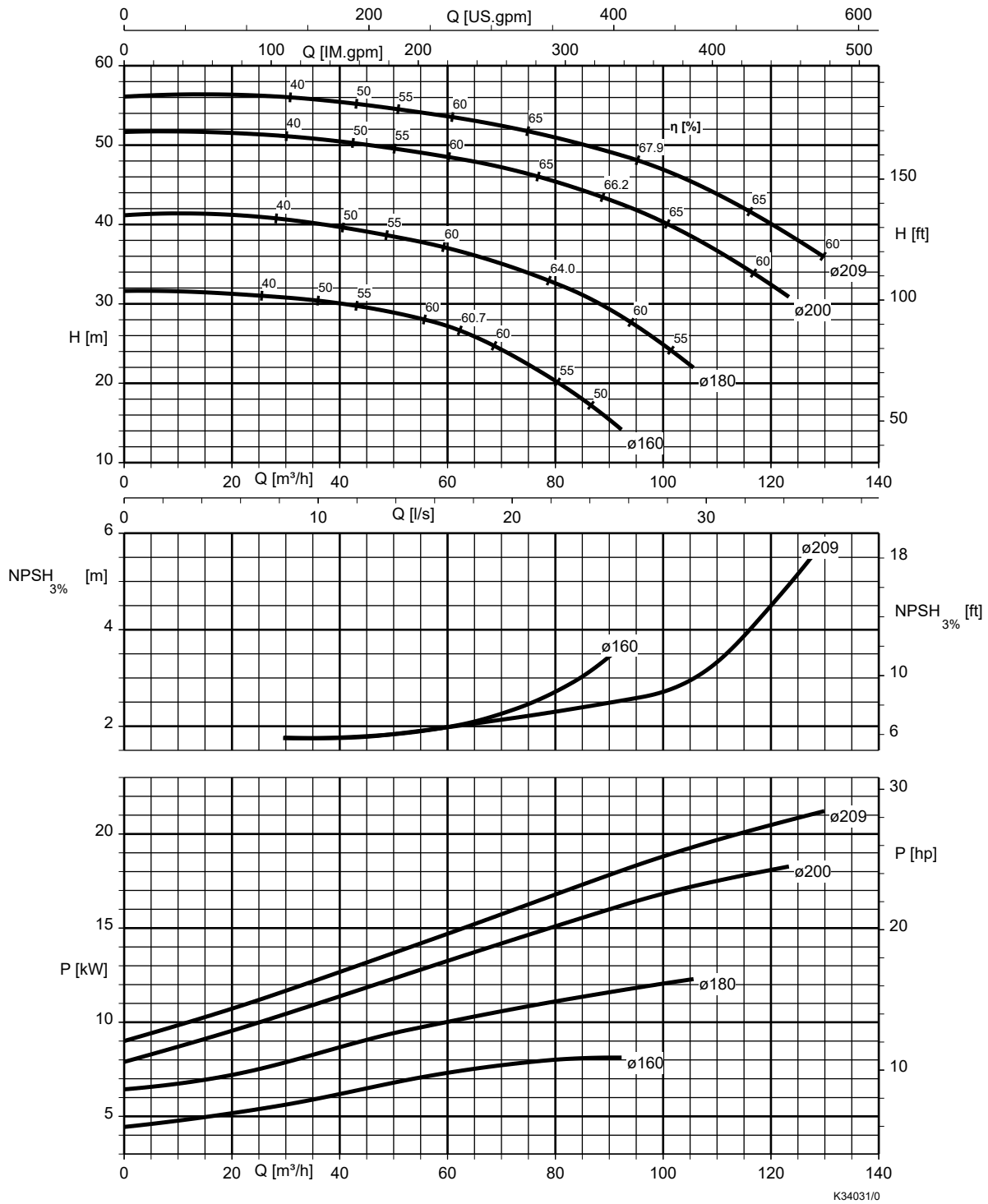
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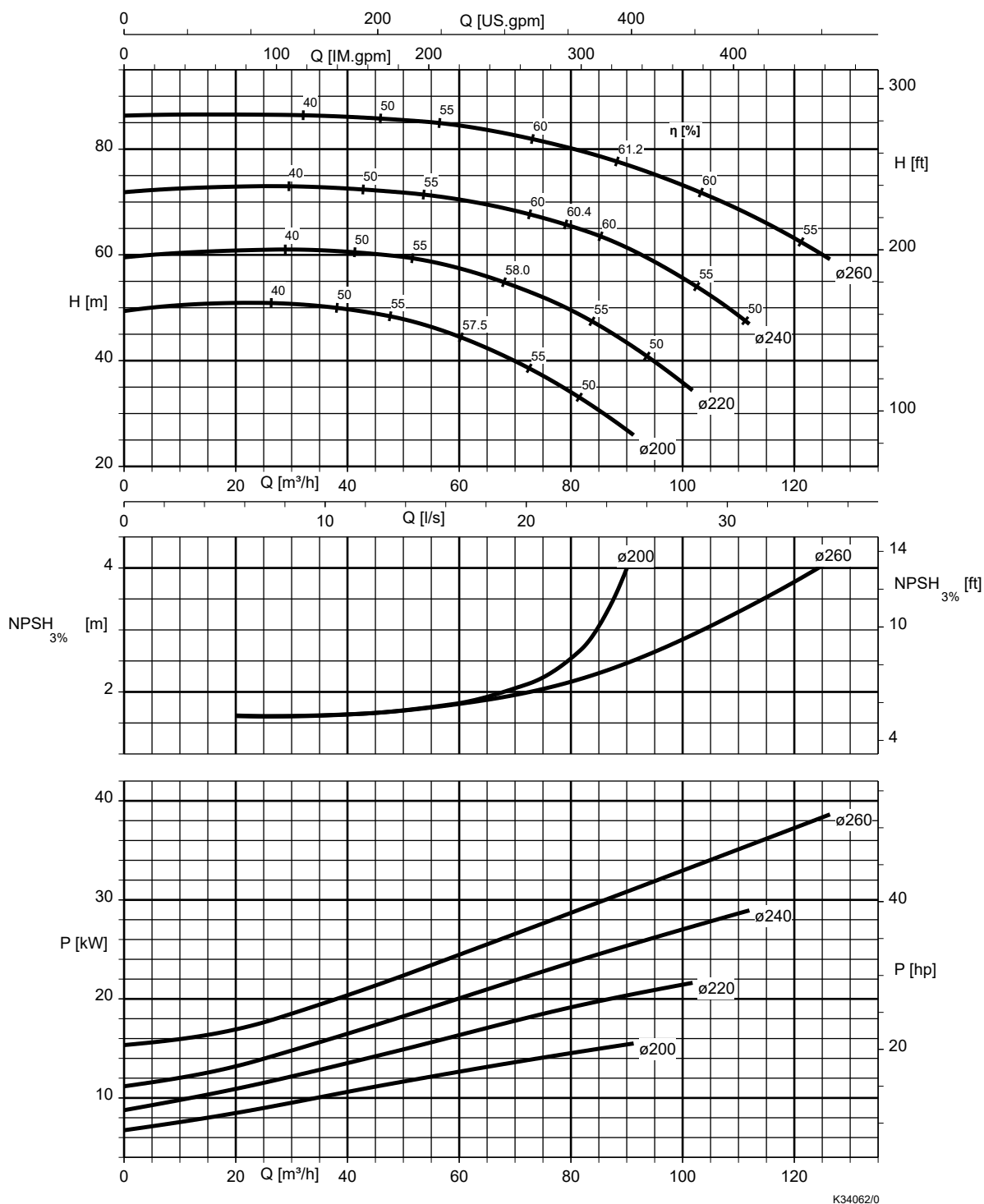
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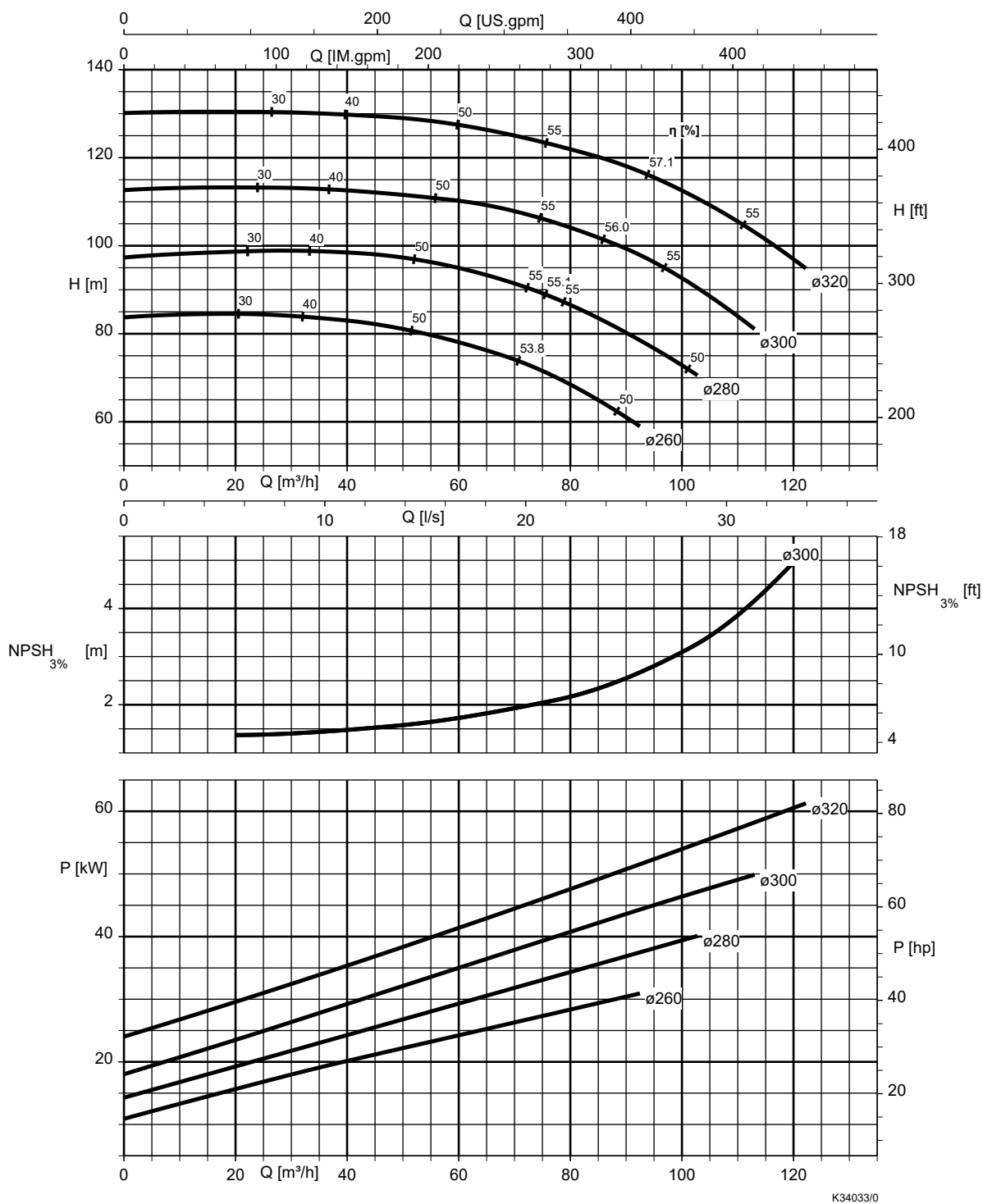
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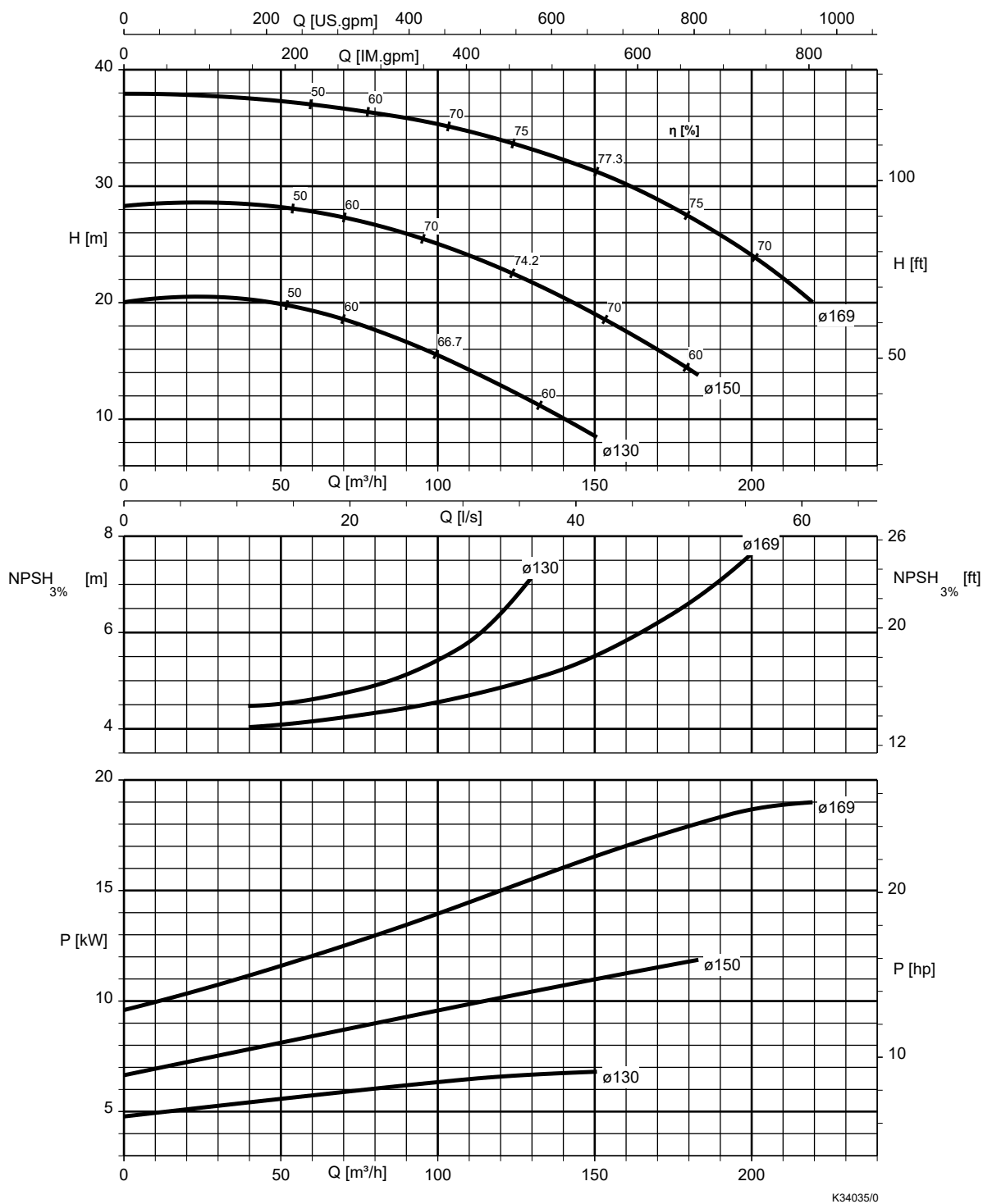
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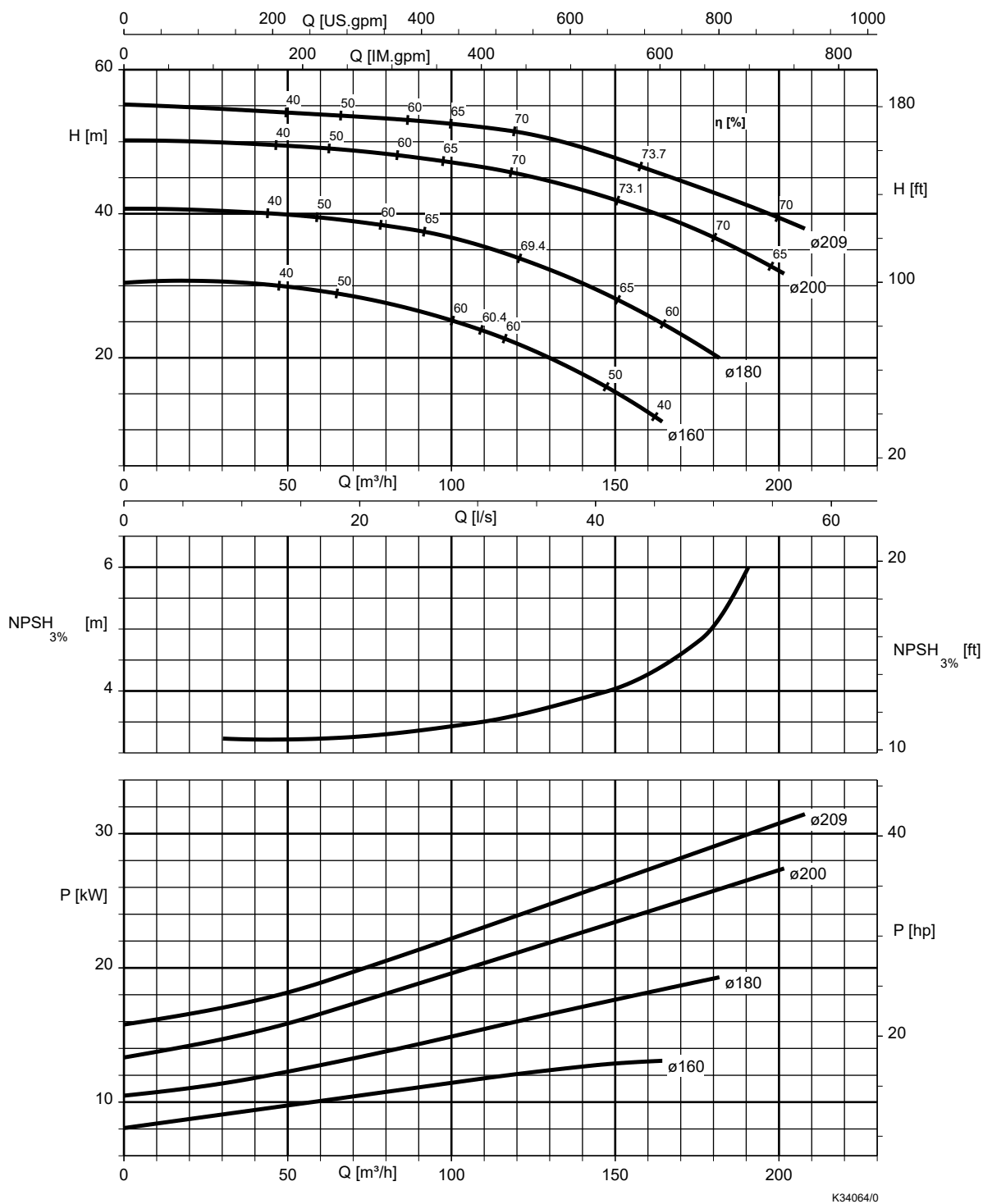
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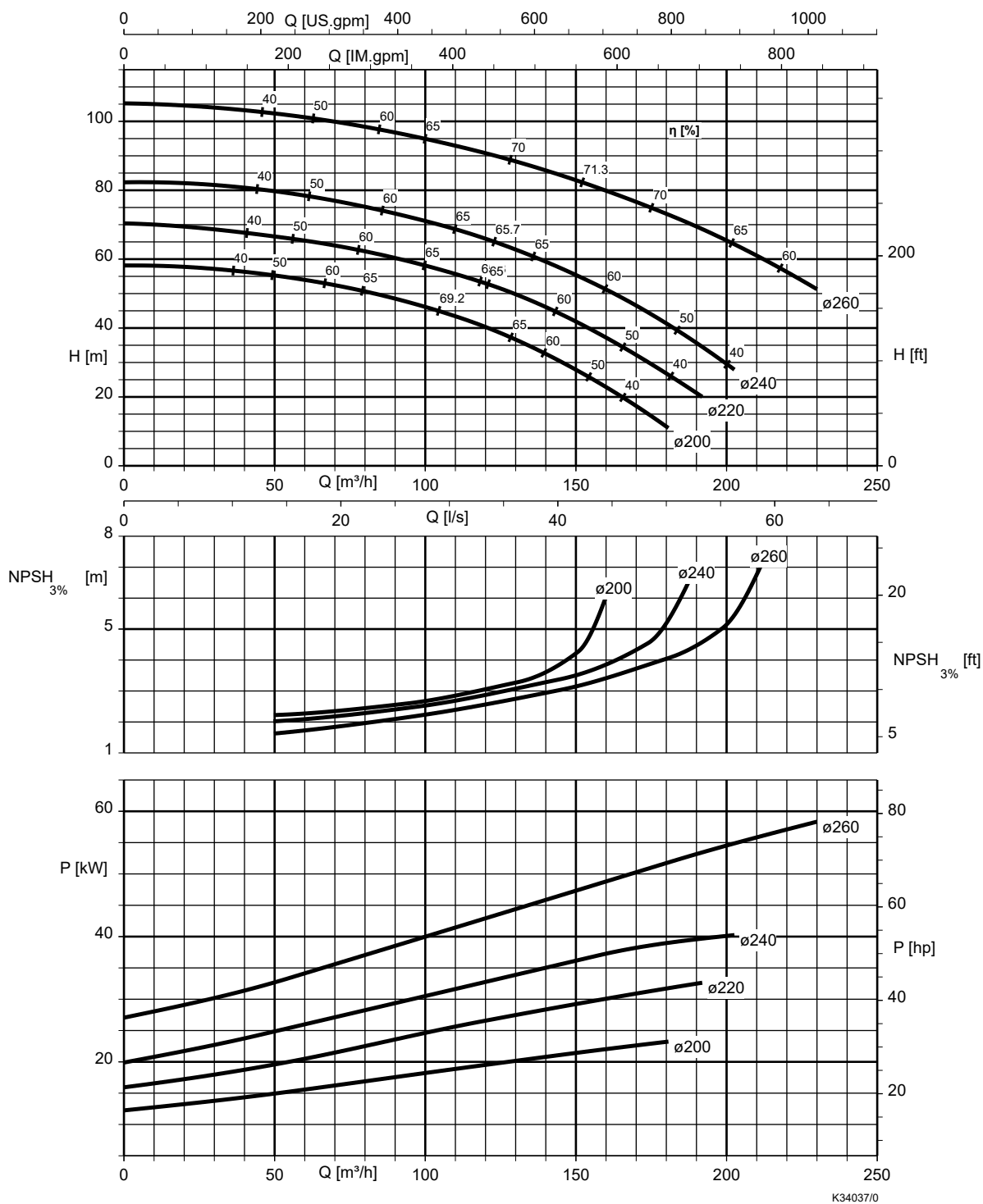
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CPKNO 80-200, n = 2900 t/min

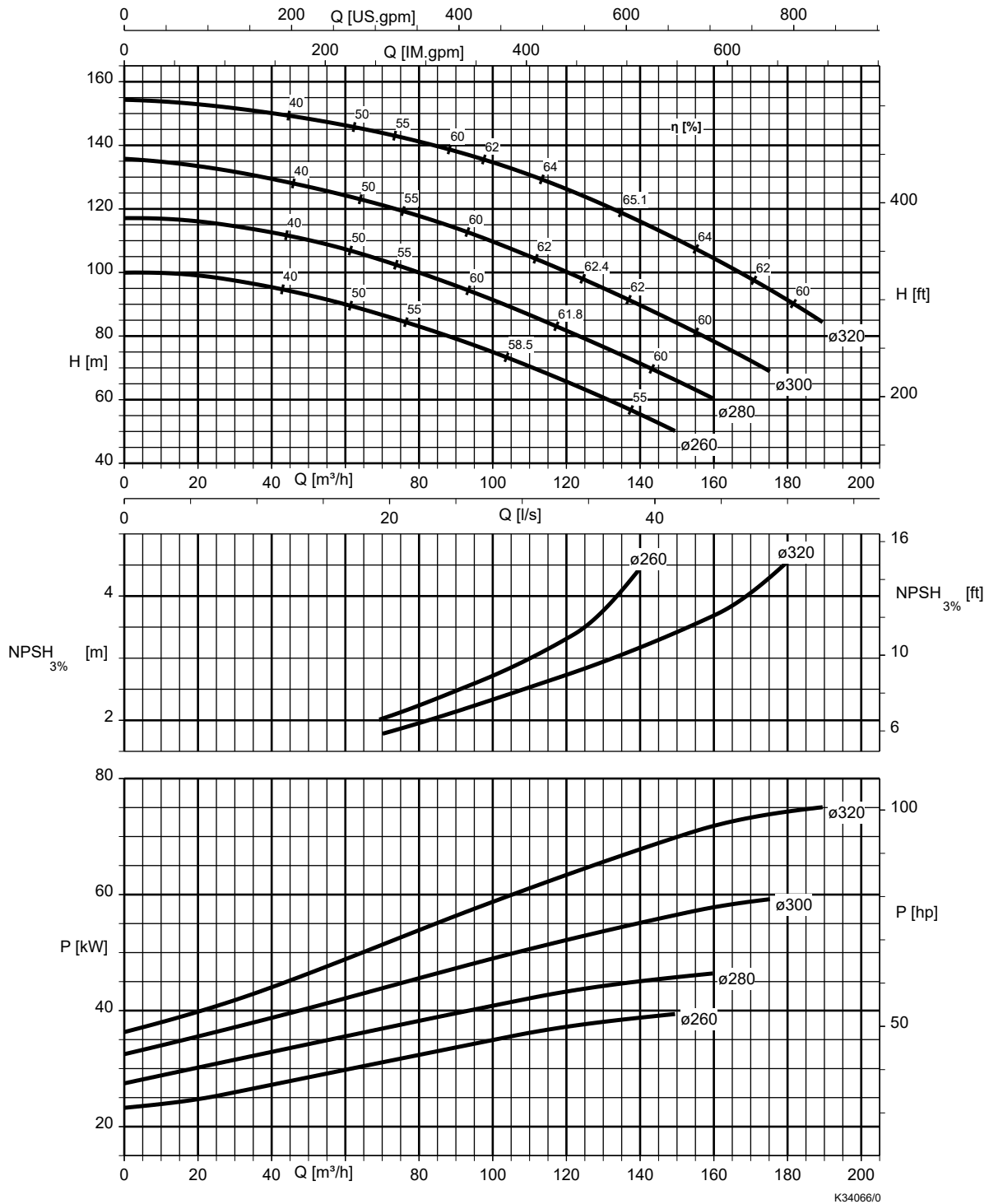


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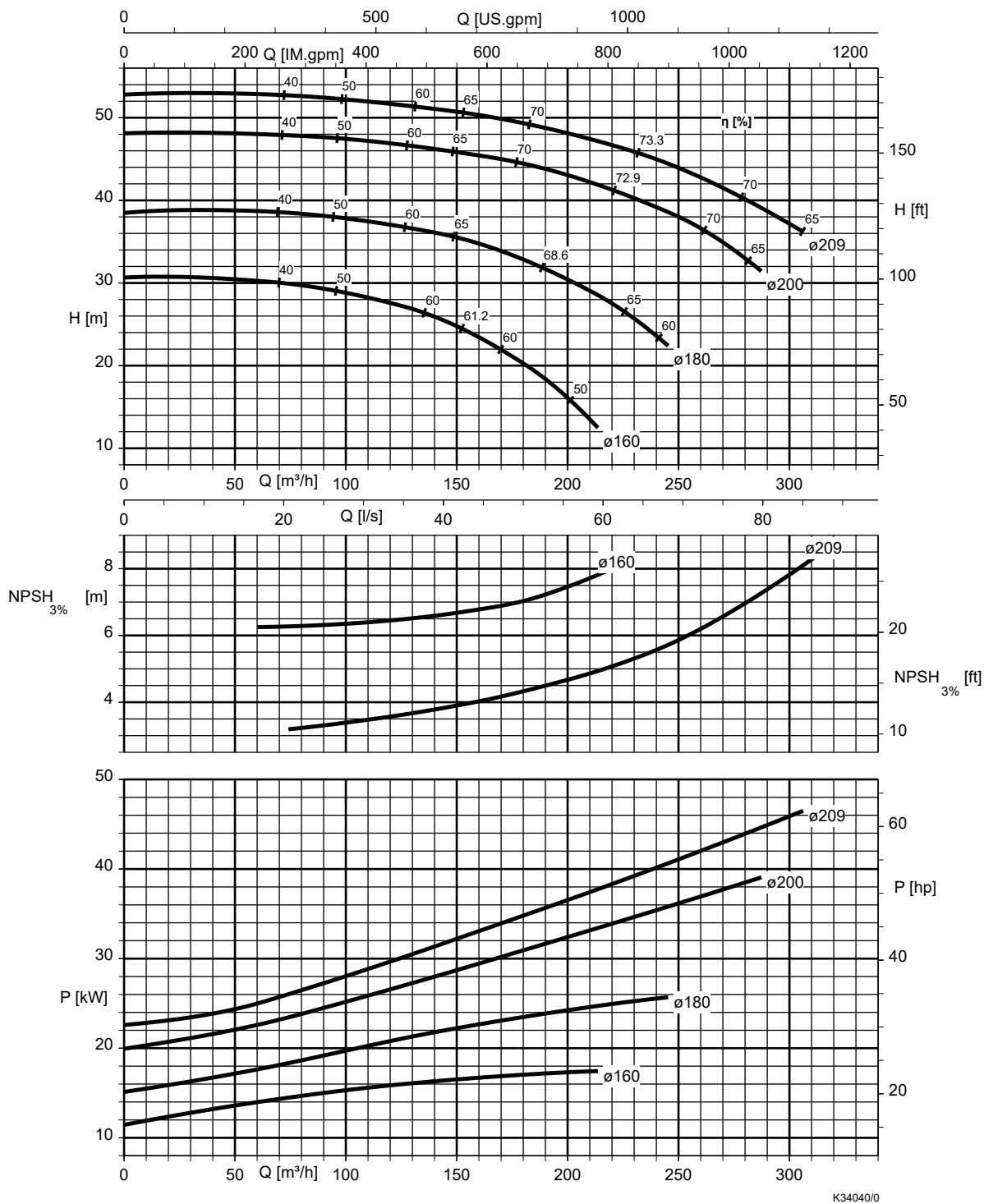


K34037/0

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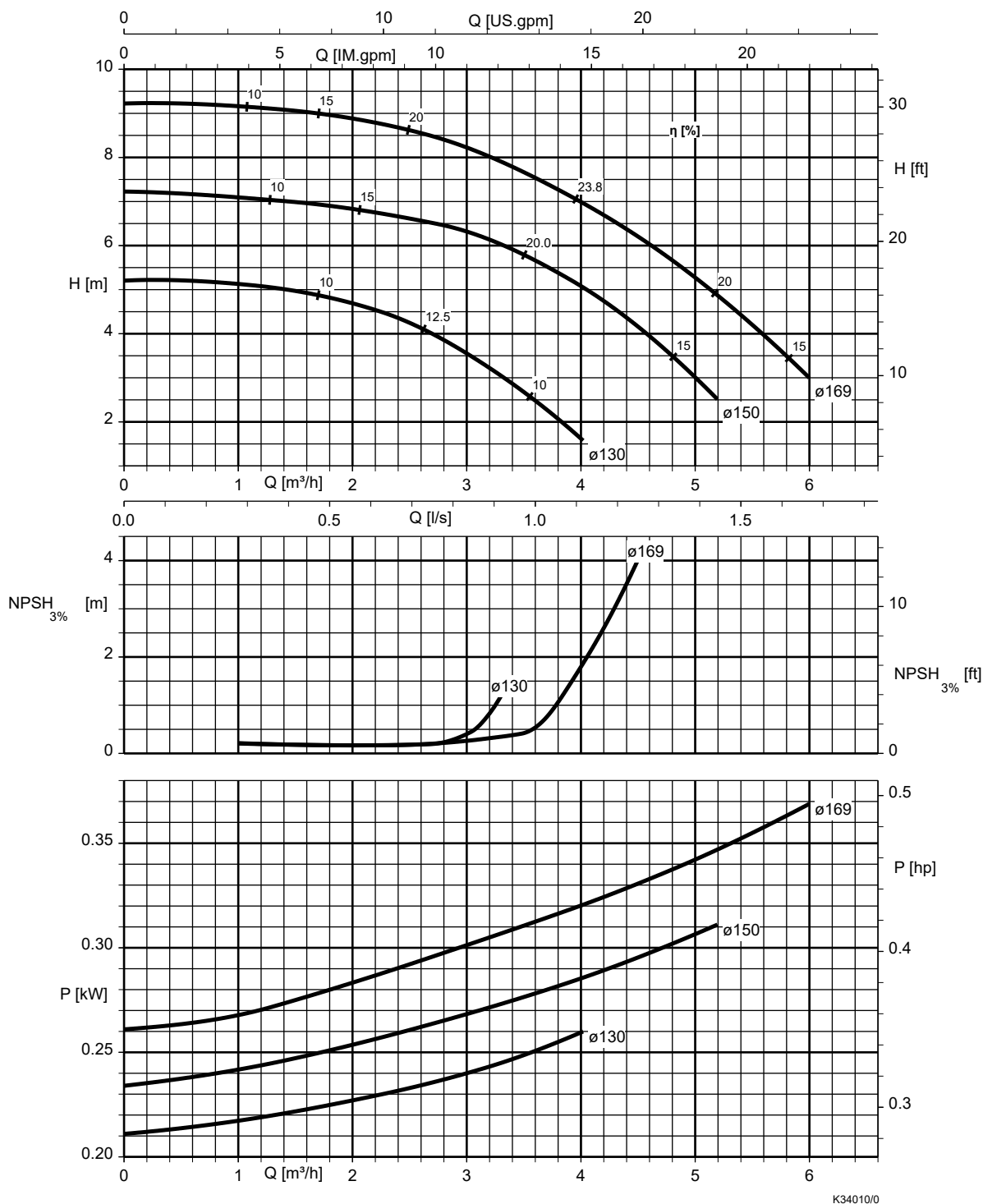


CPKNO 100-200, n = 2900 t/min



$n = 1450 \text{ t/min}$

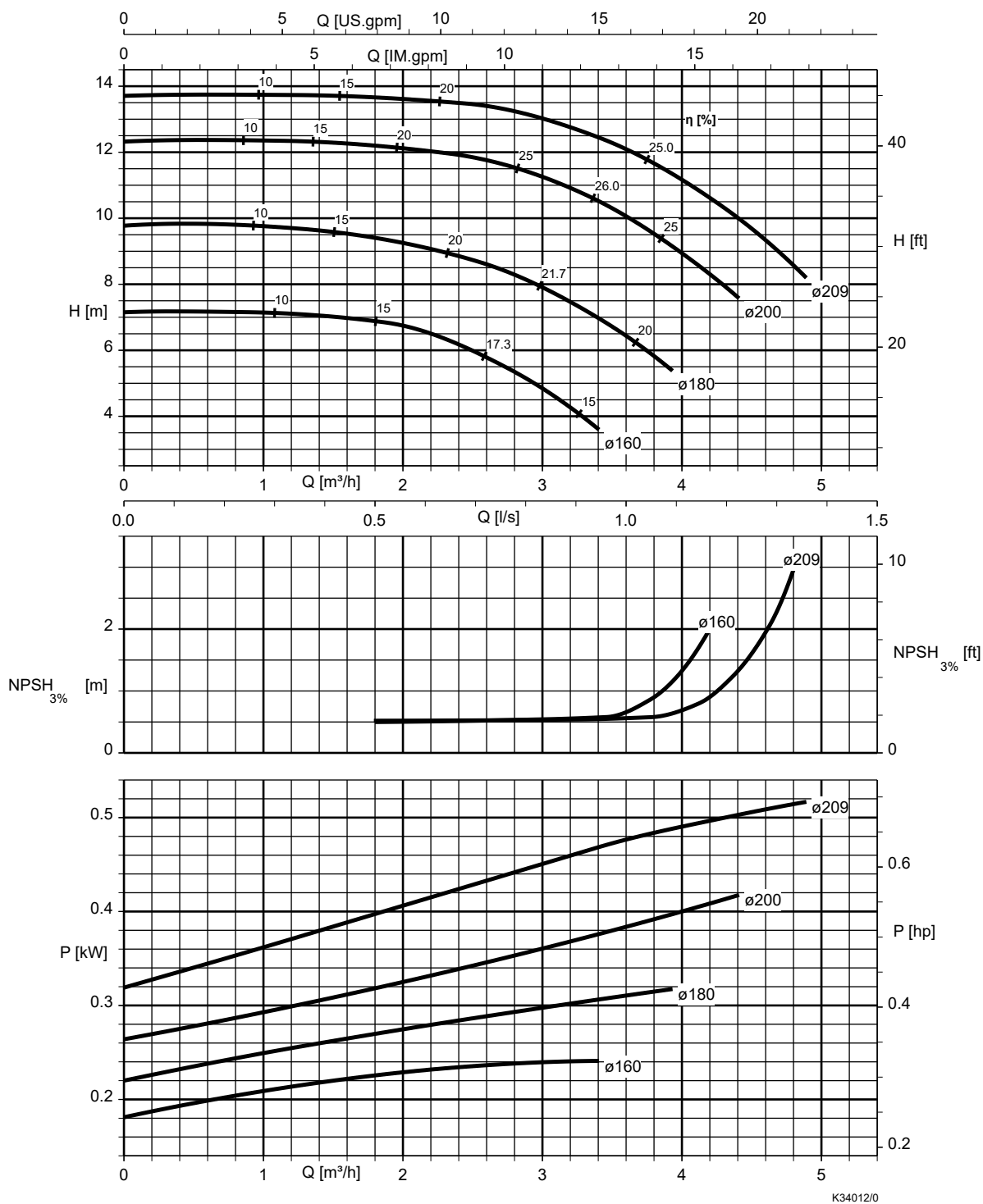
CPKNO 25-160, $n = 1450 \text{ t/min}$



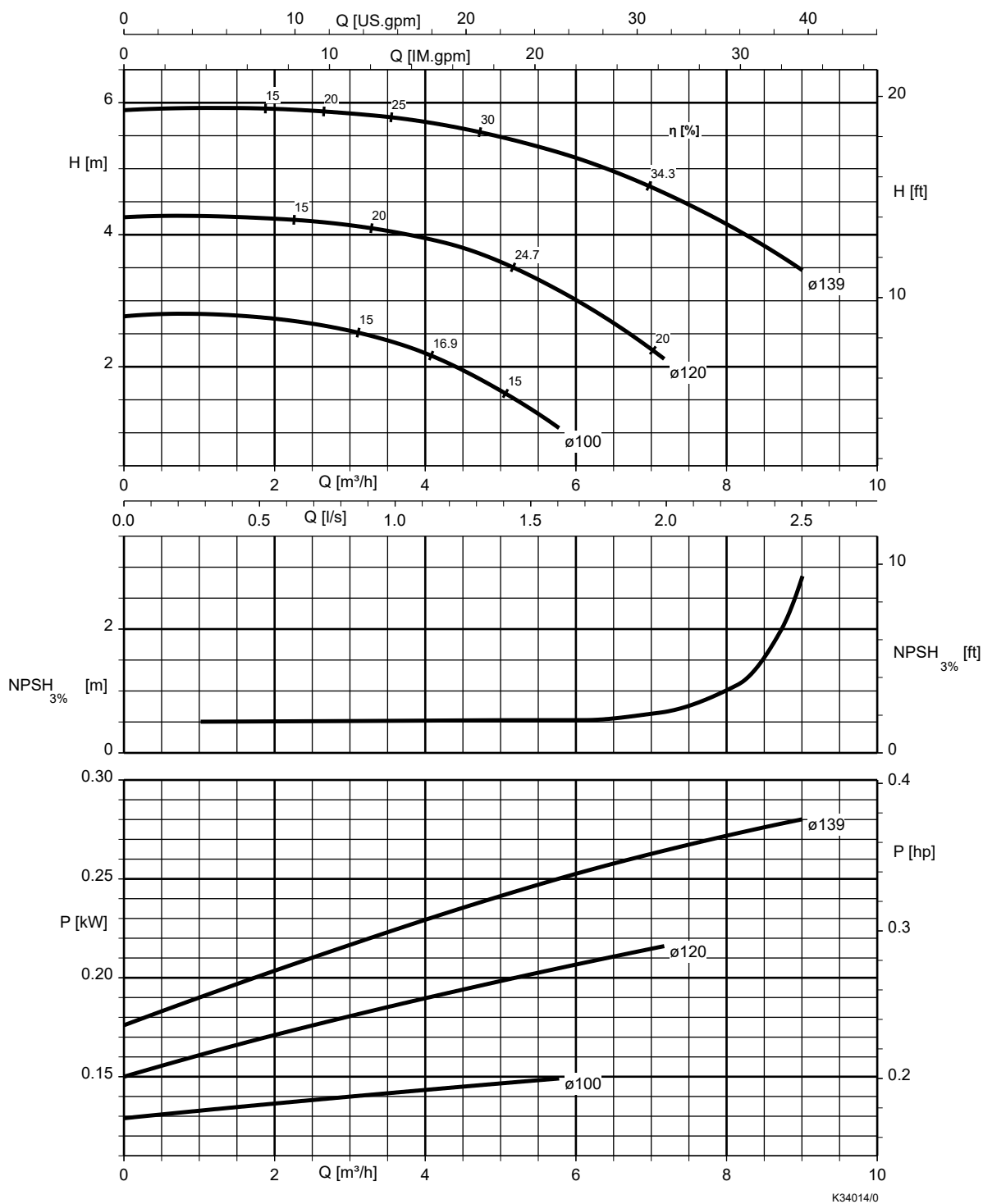
2730.458/01-FR

K34010/0

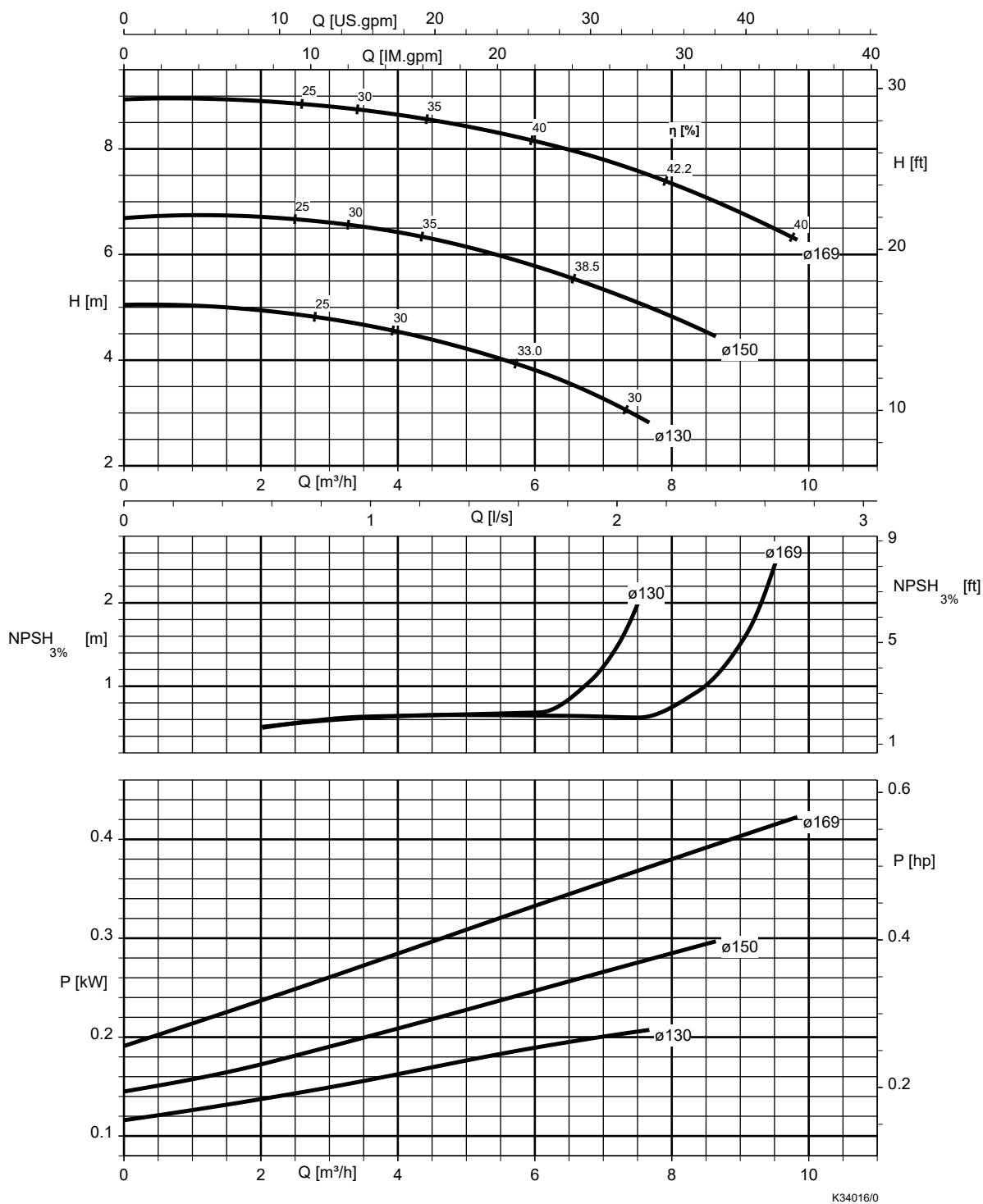
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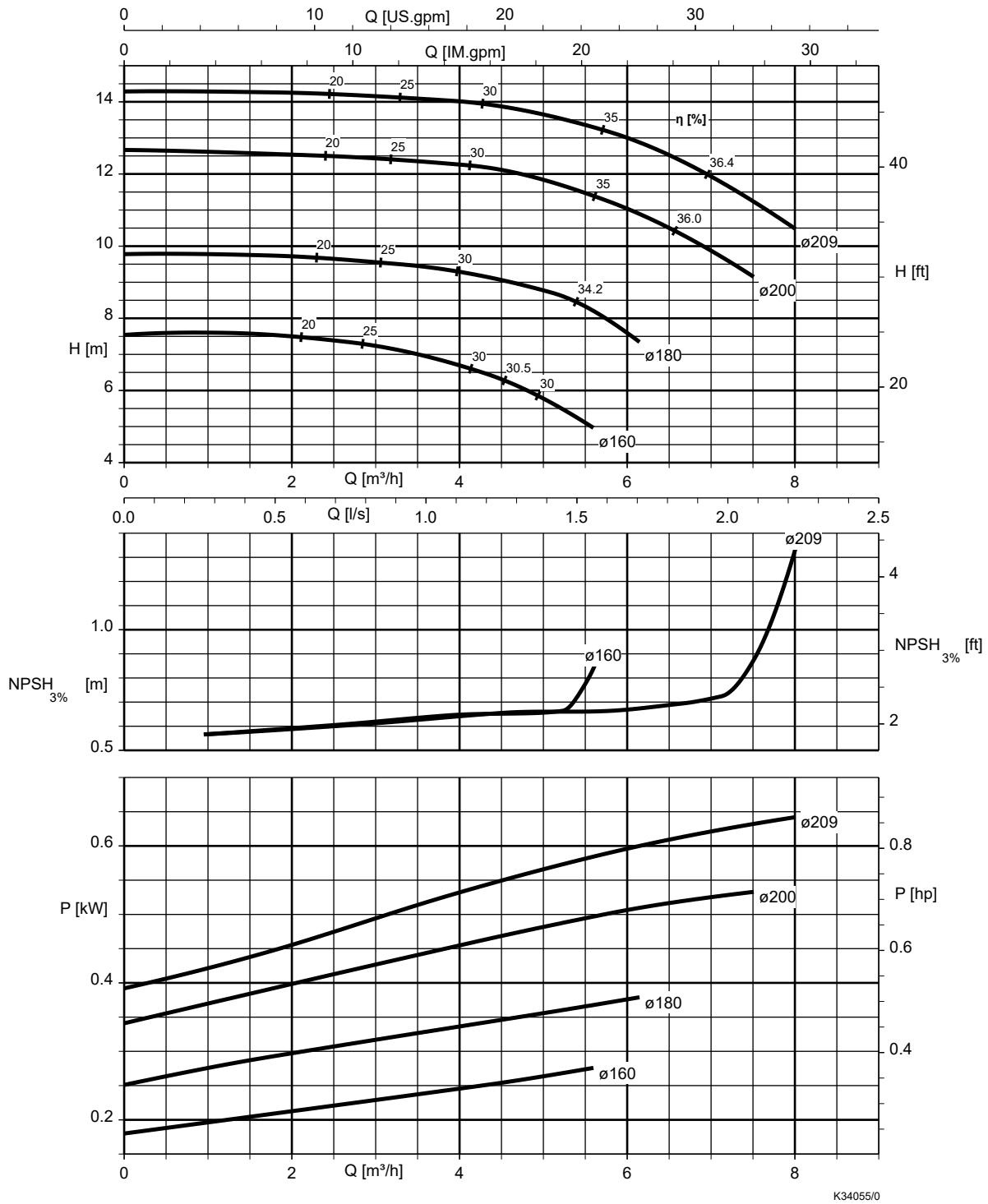
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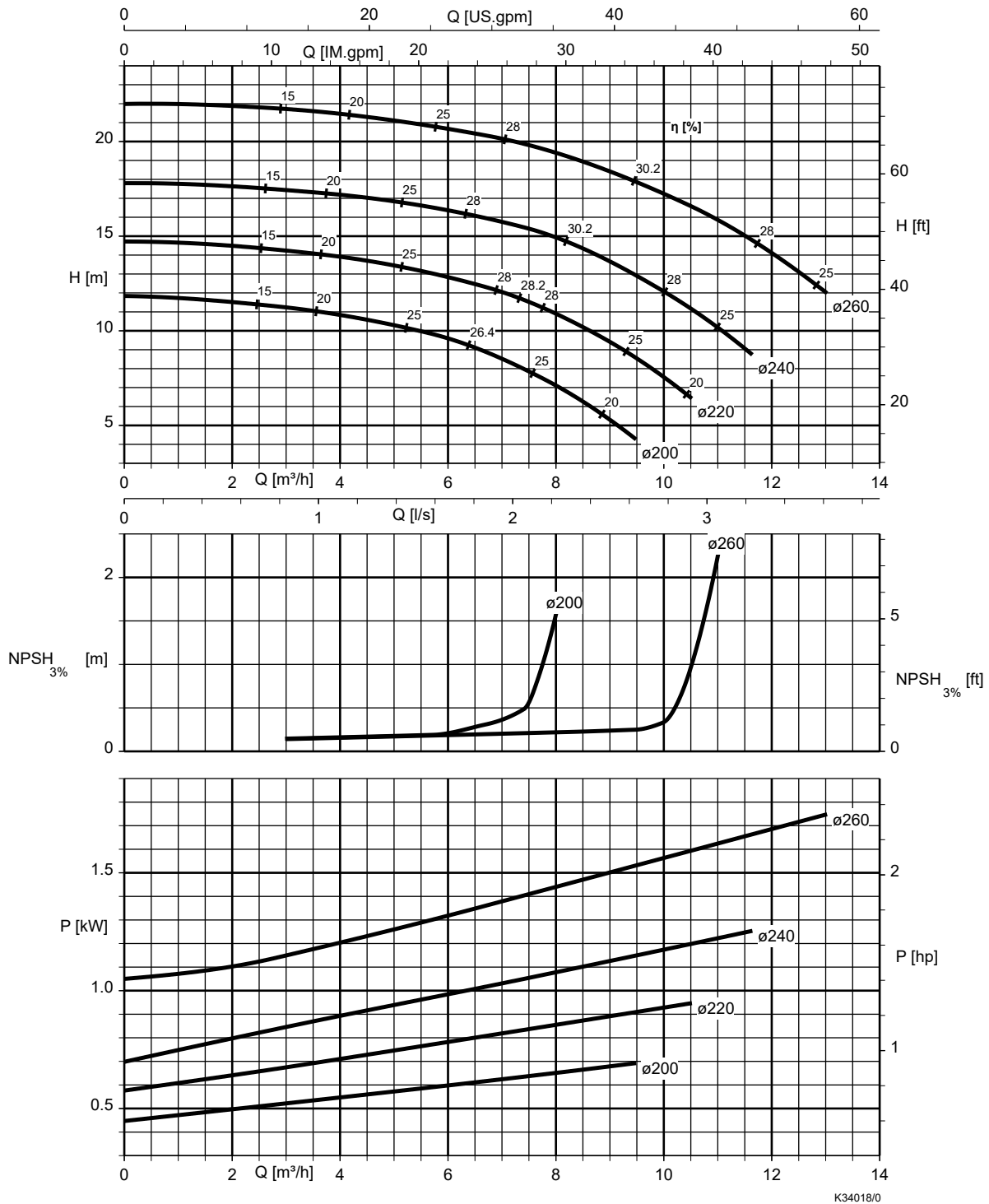
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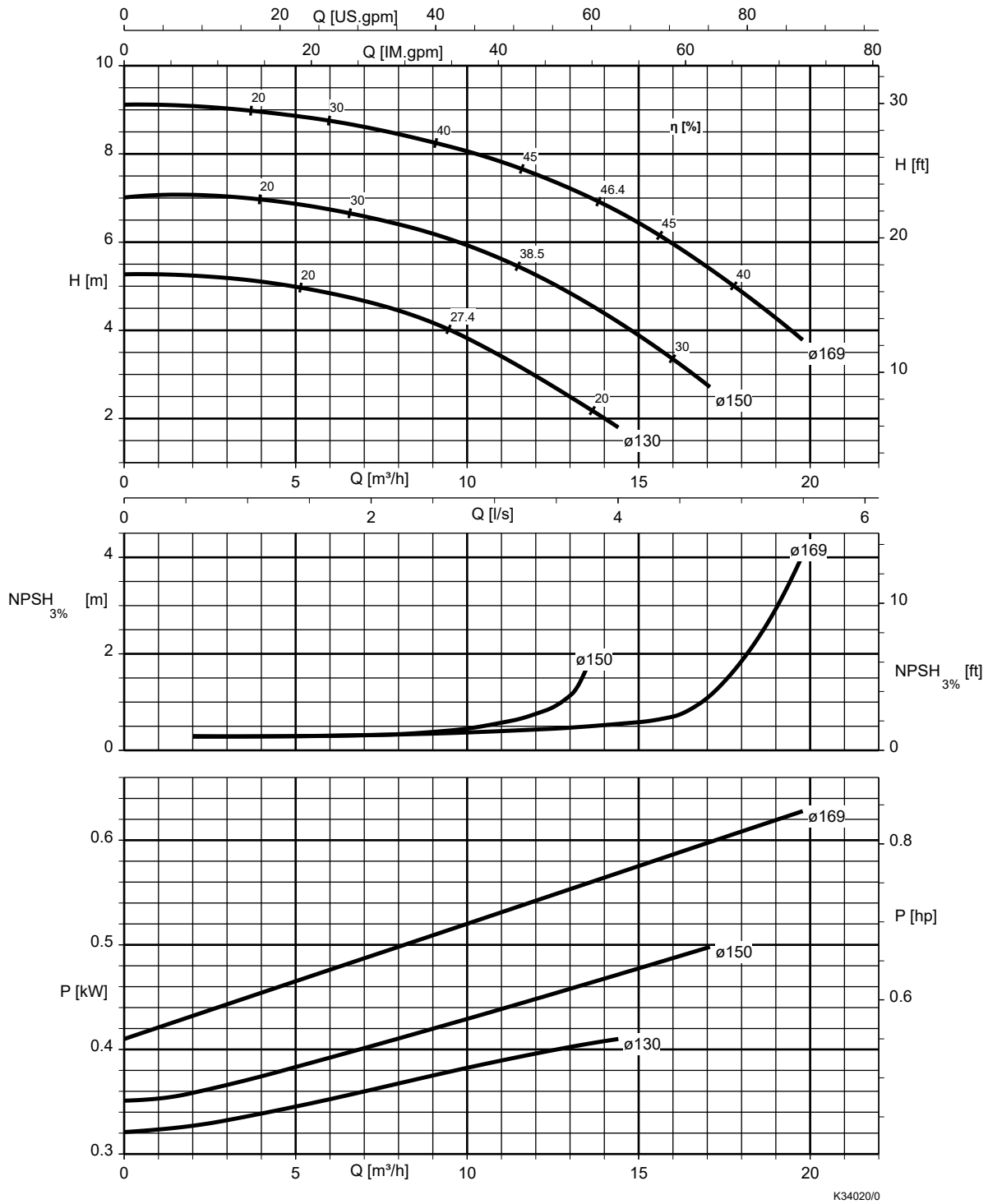
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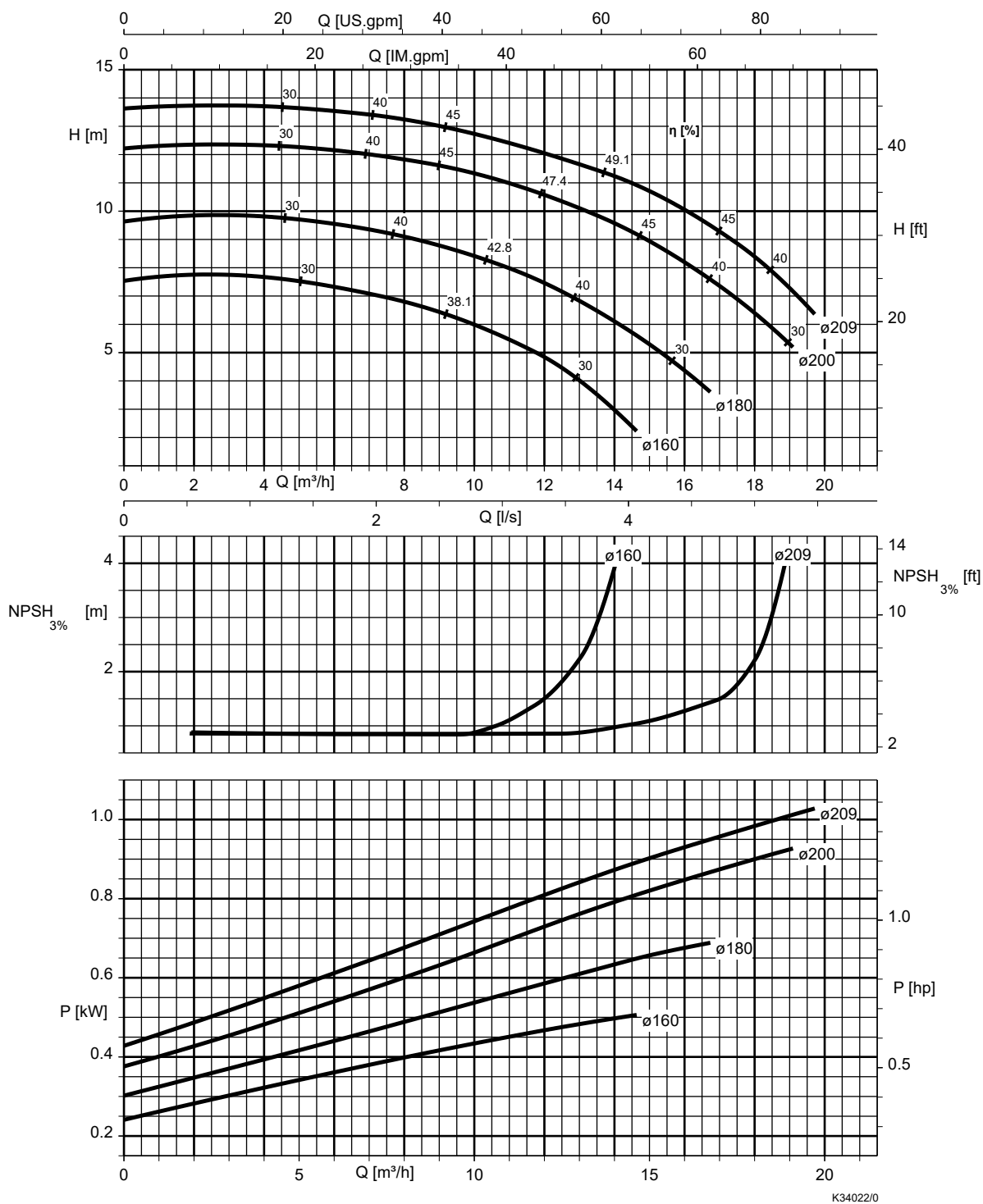
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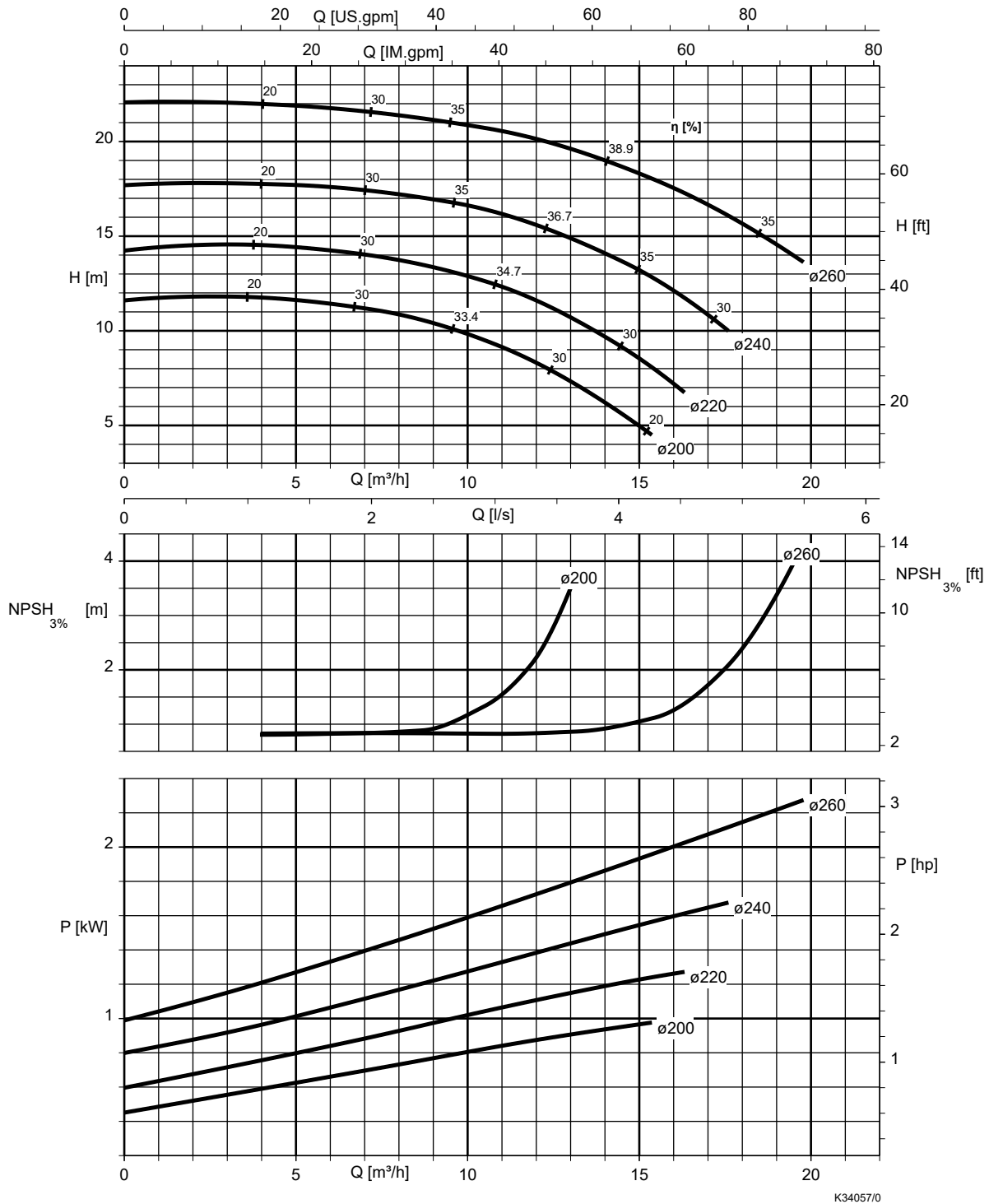
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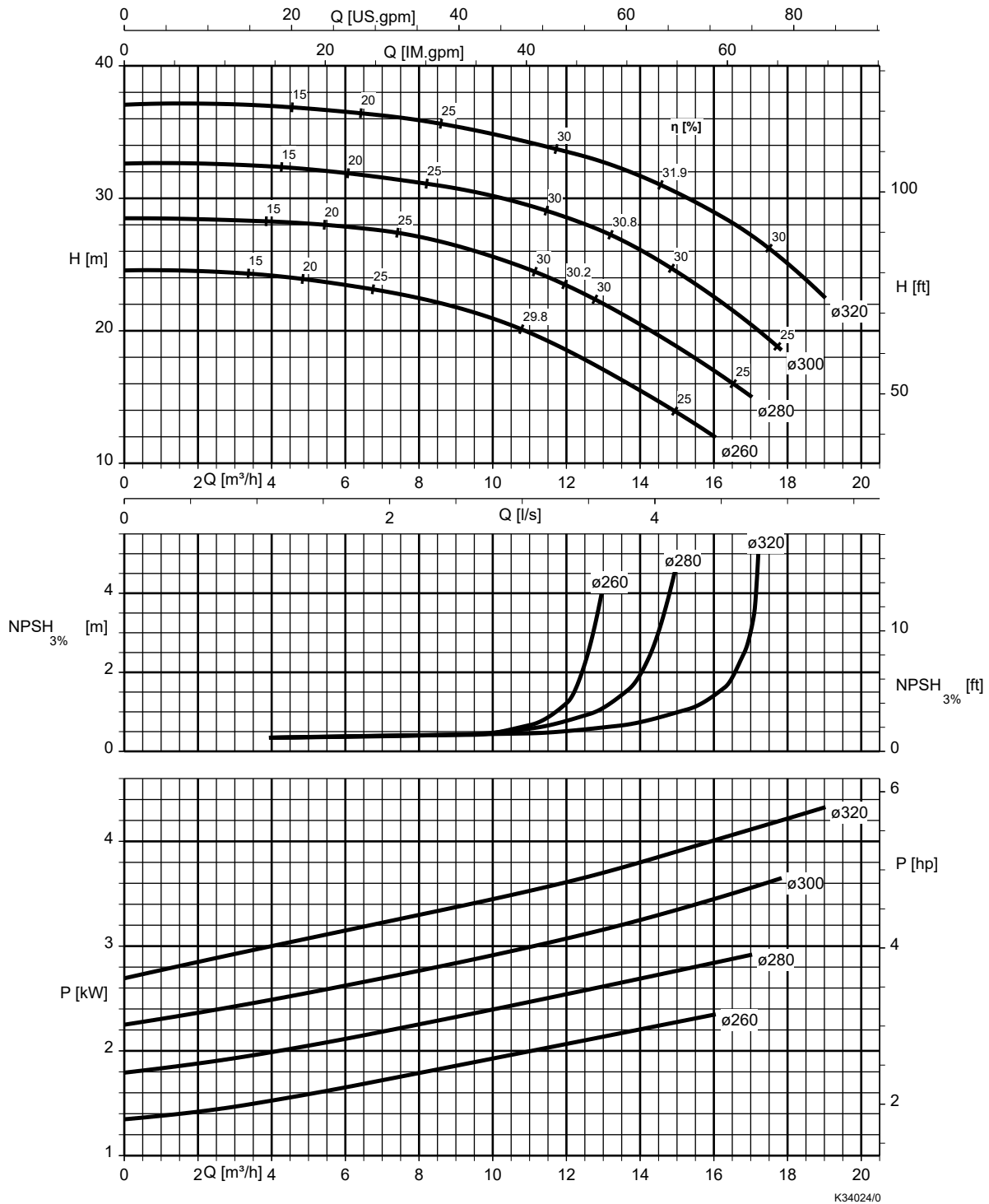
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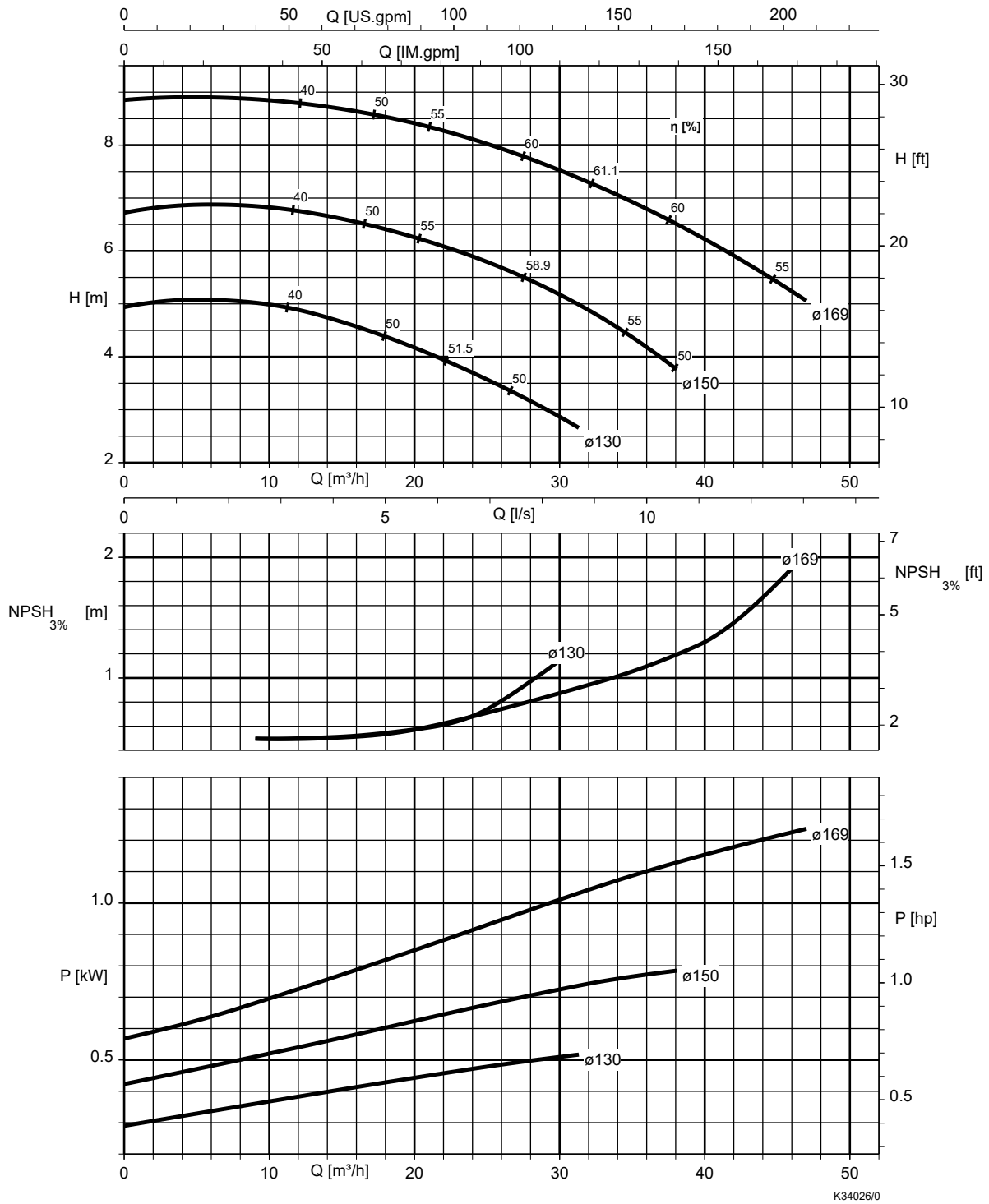
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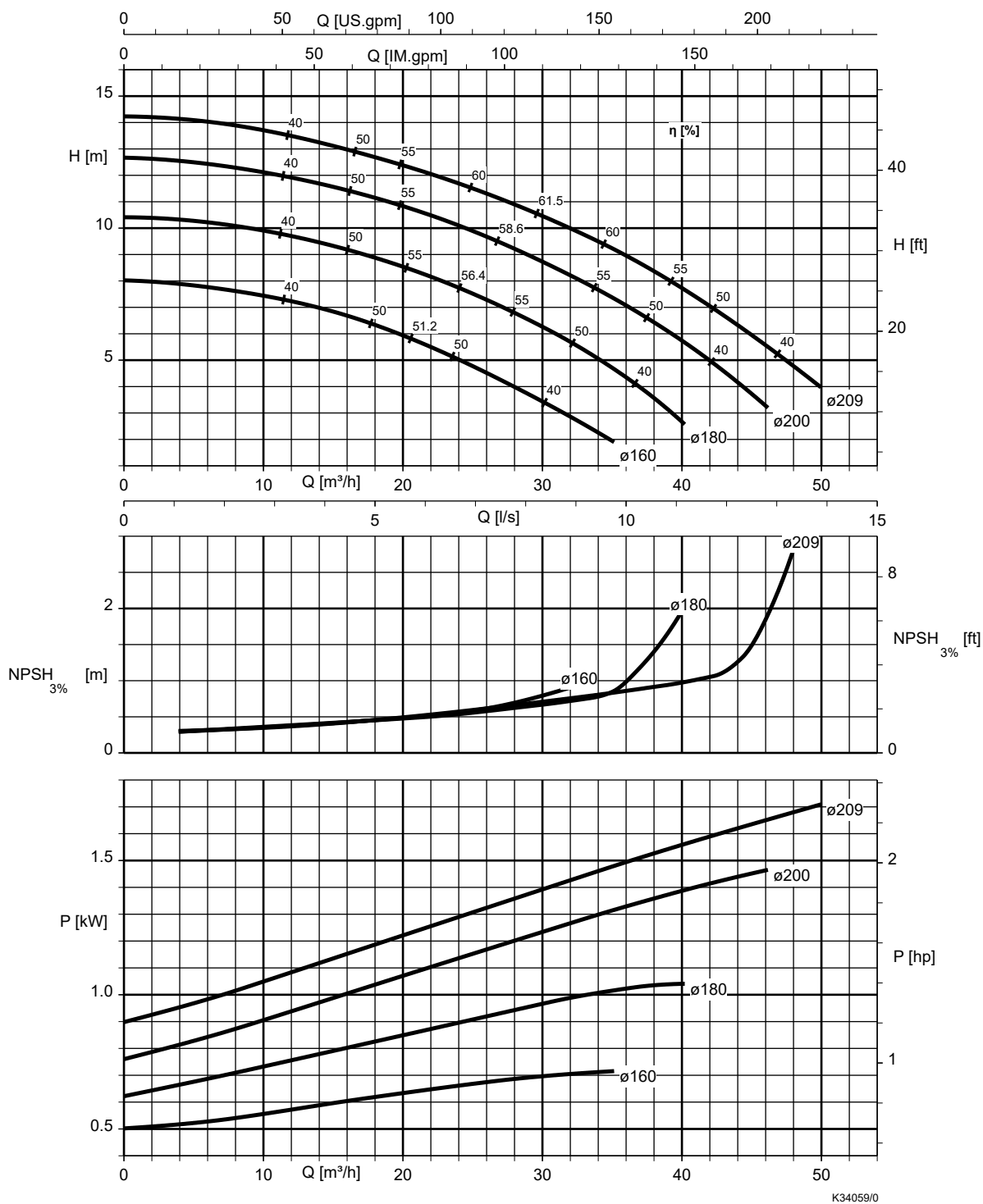
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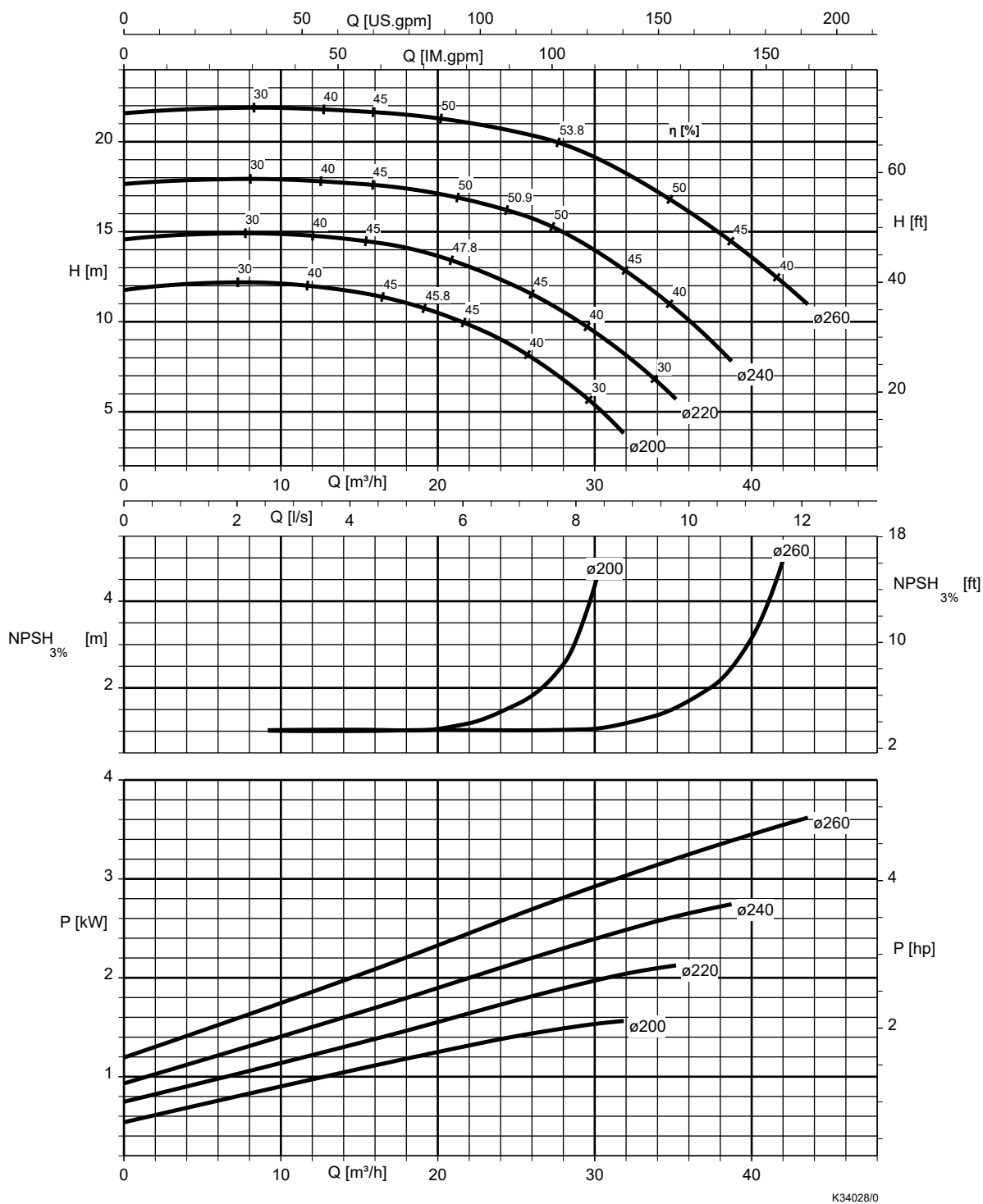
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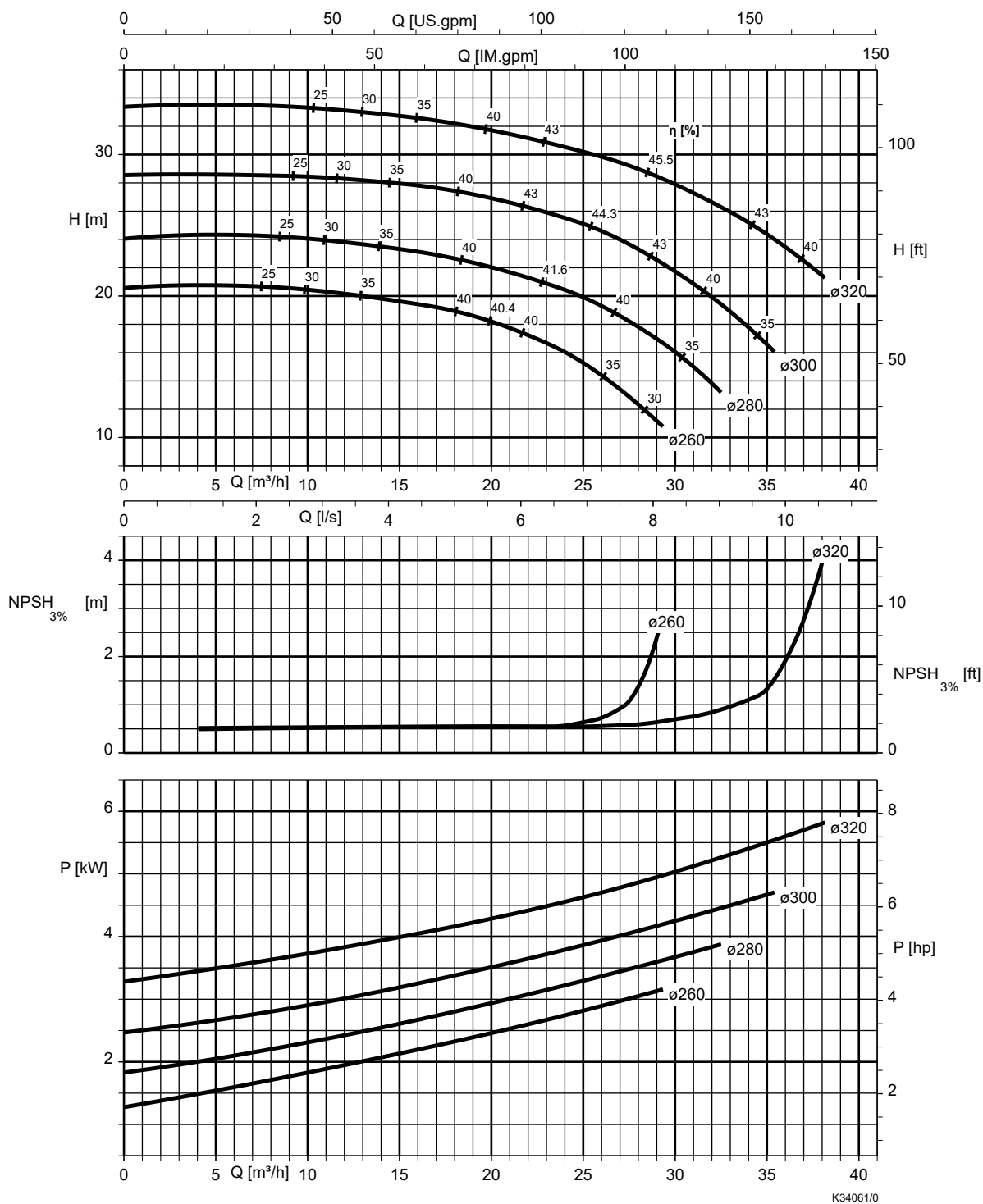
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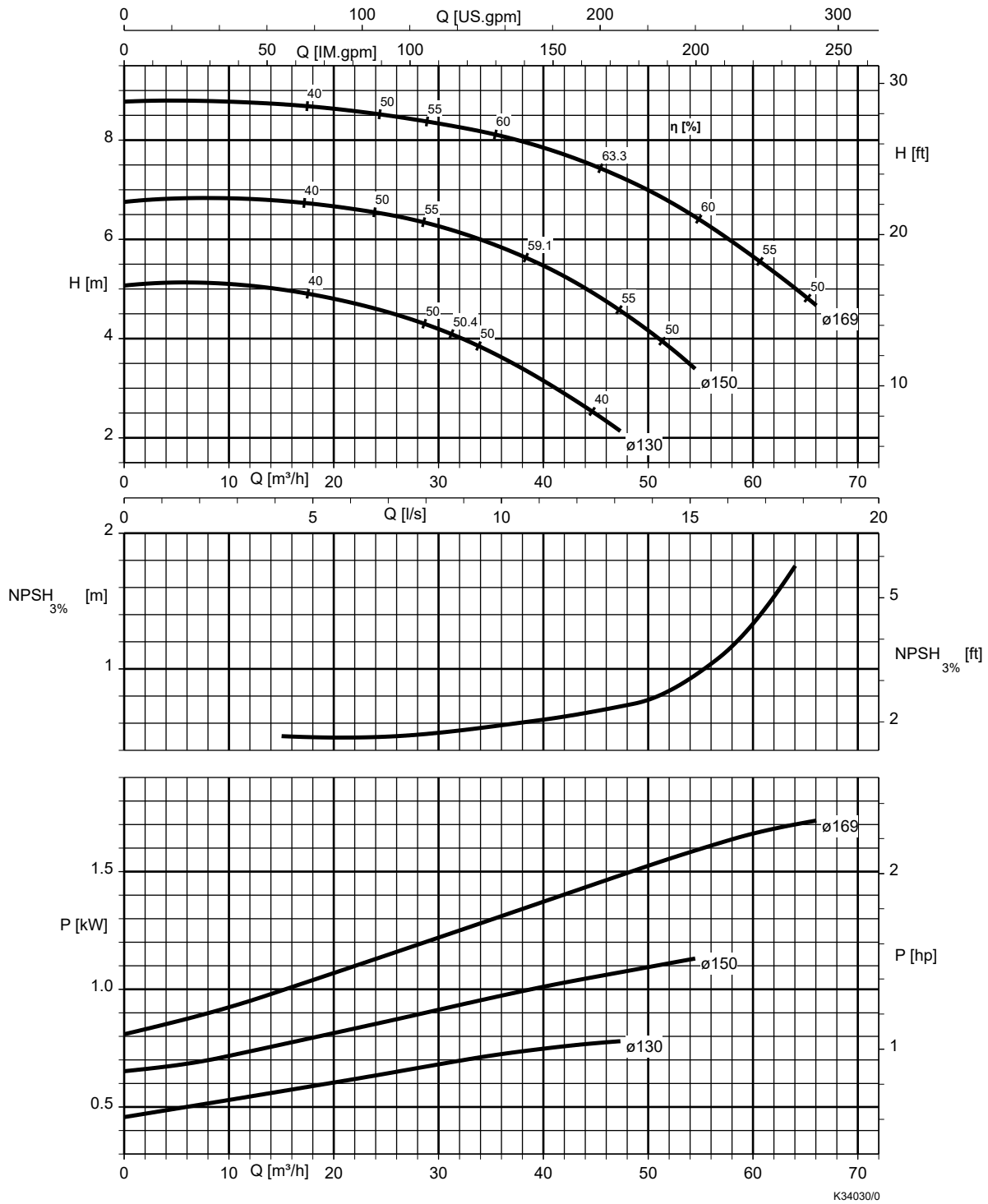
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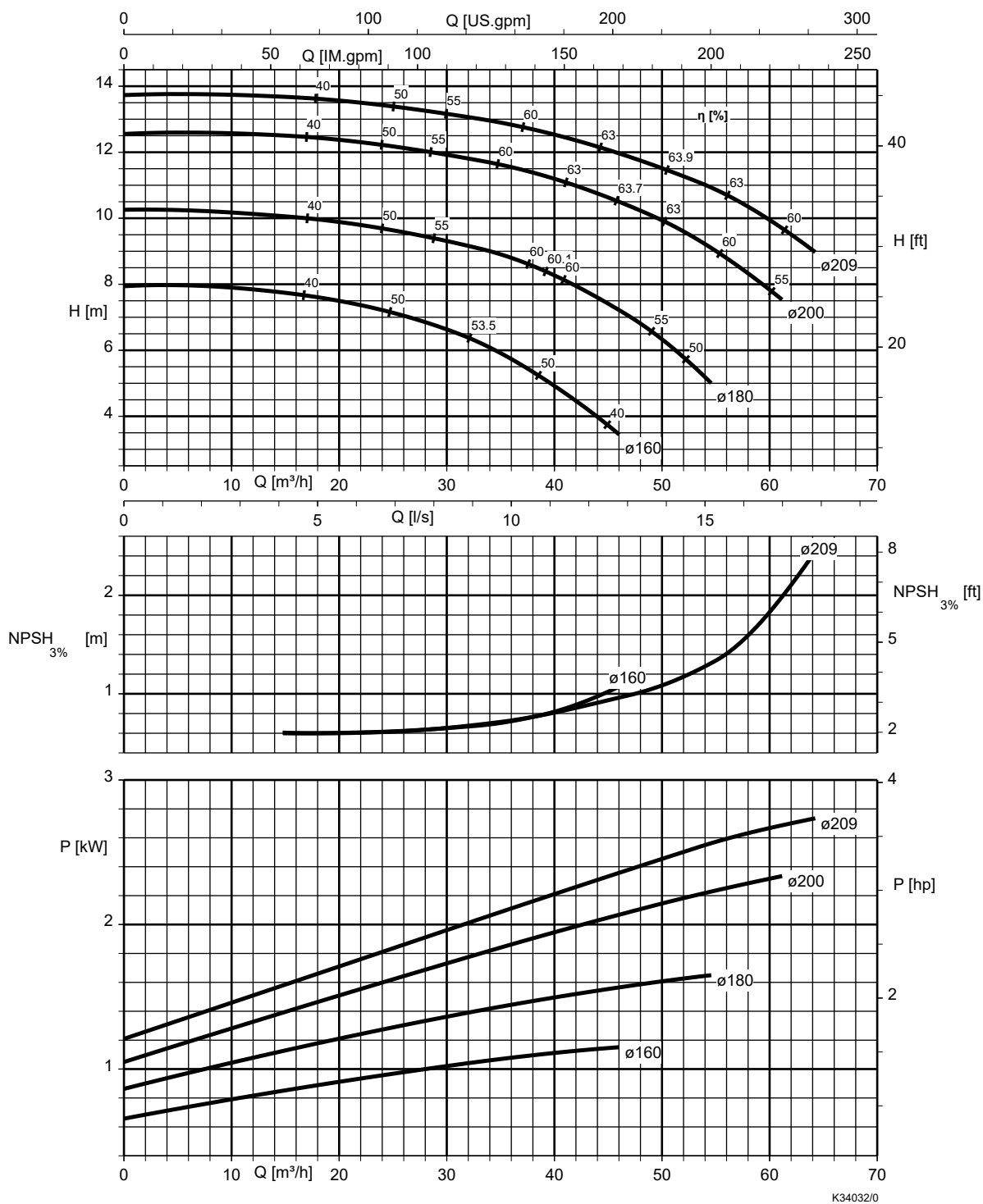
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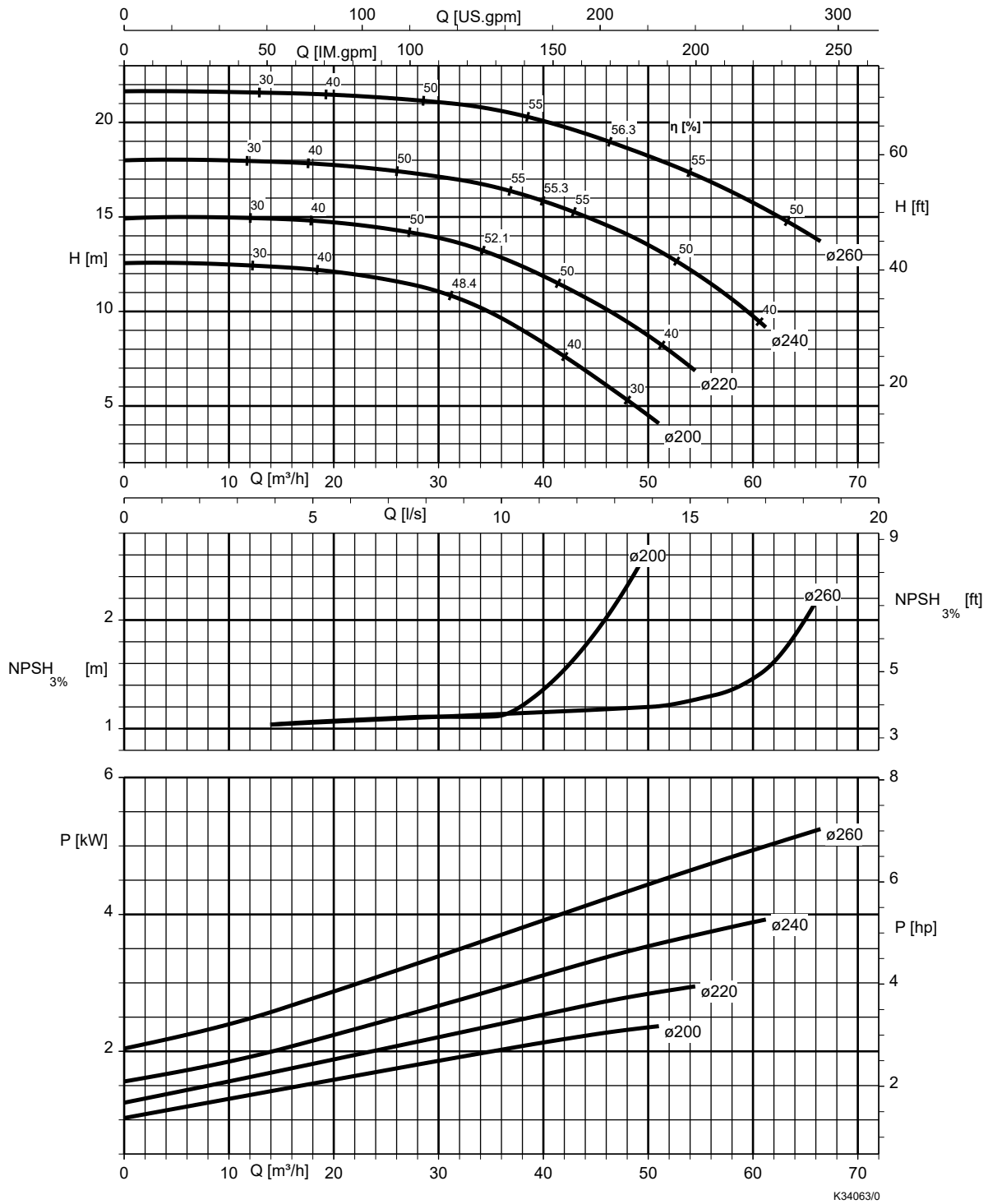
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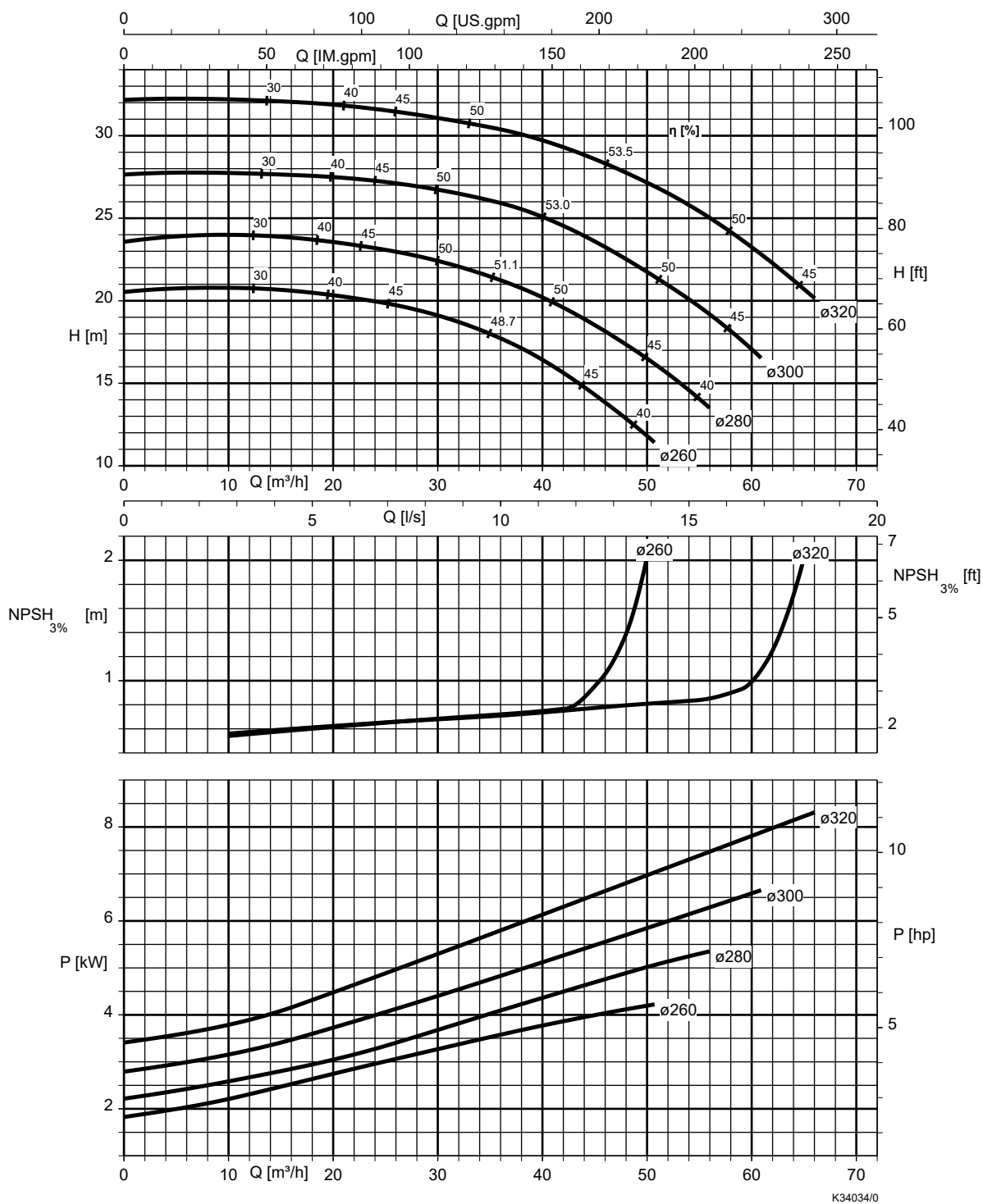
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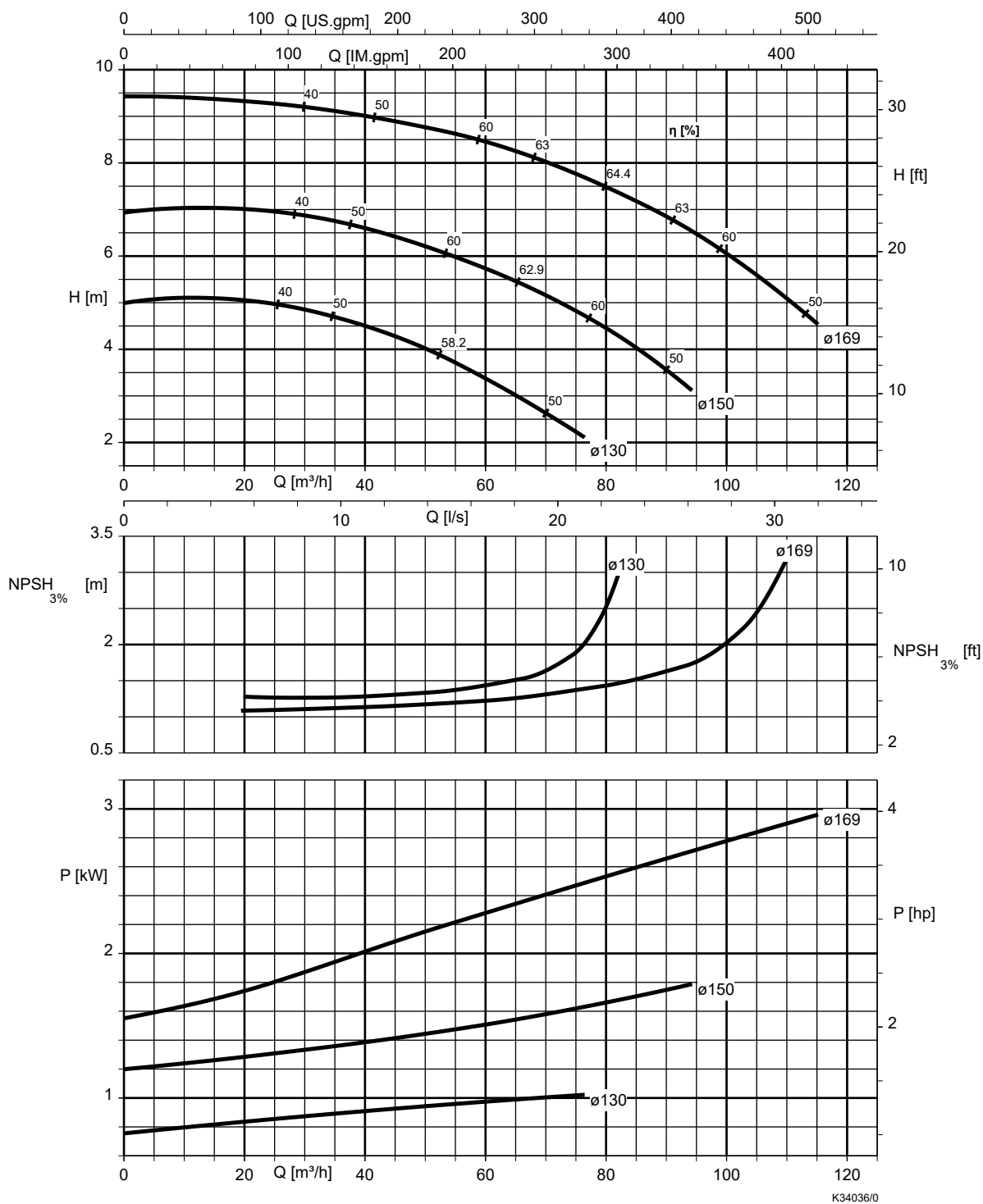
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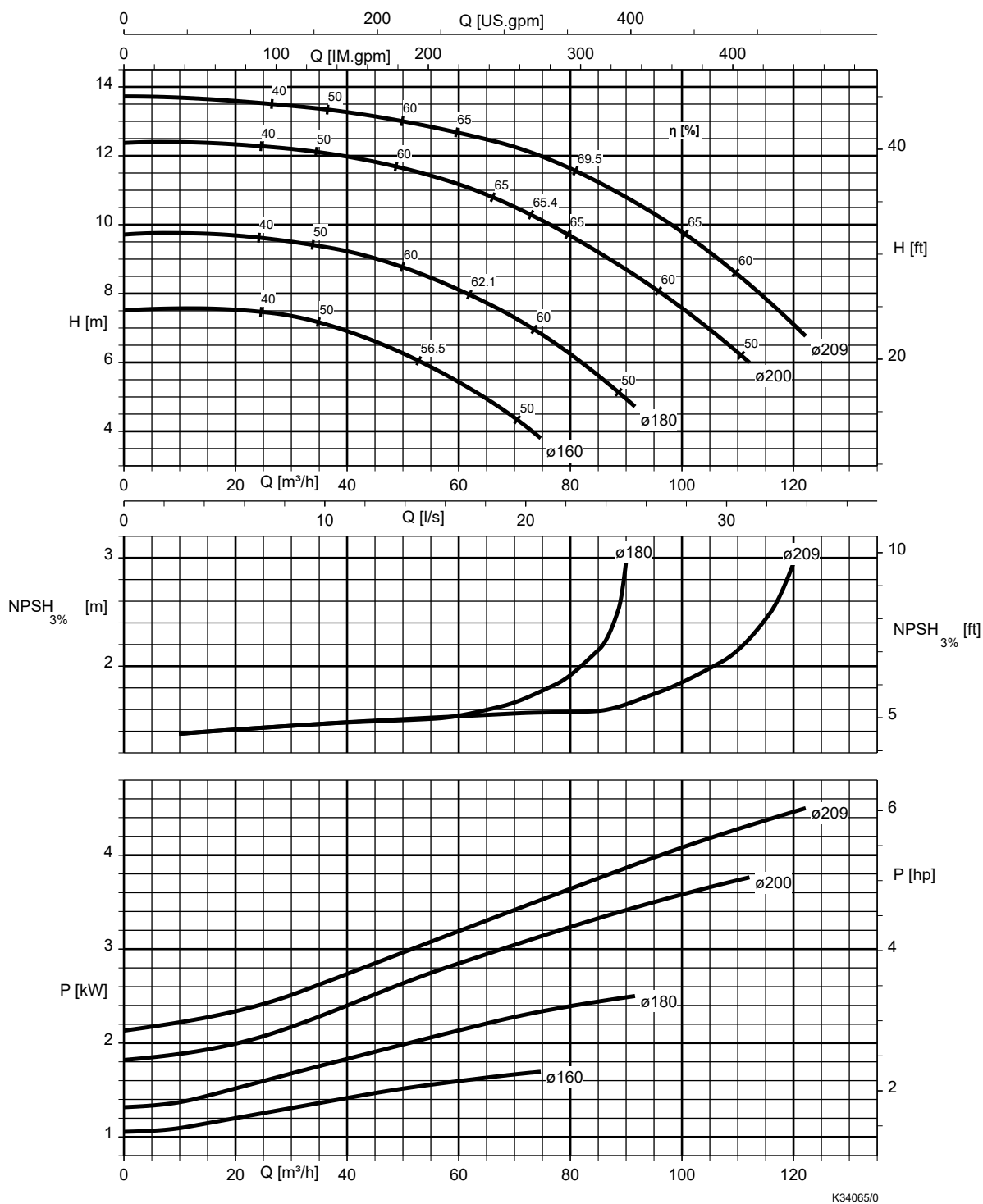
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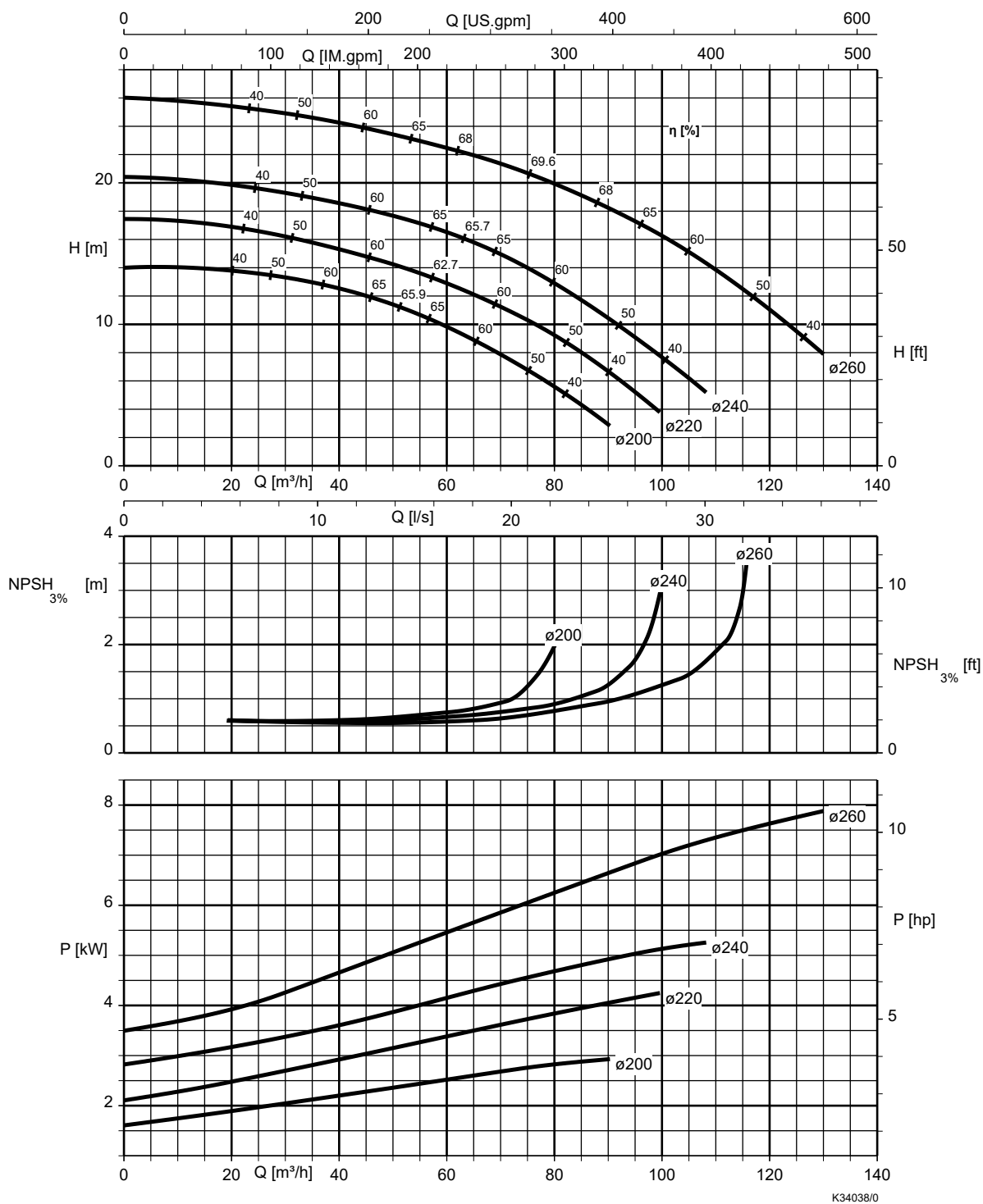
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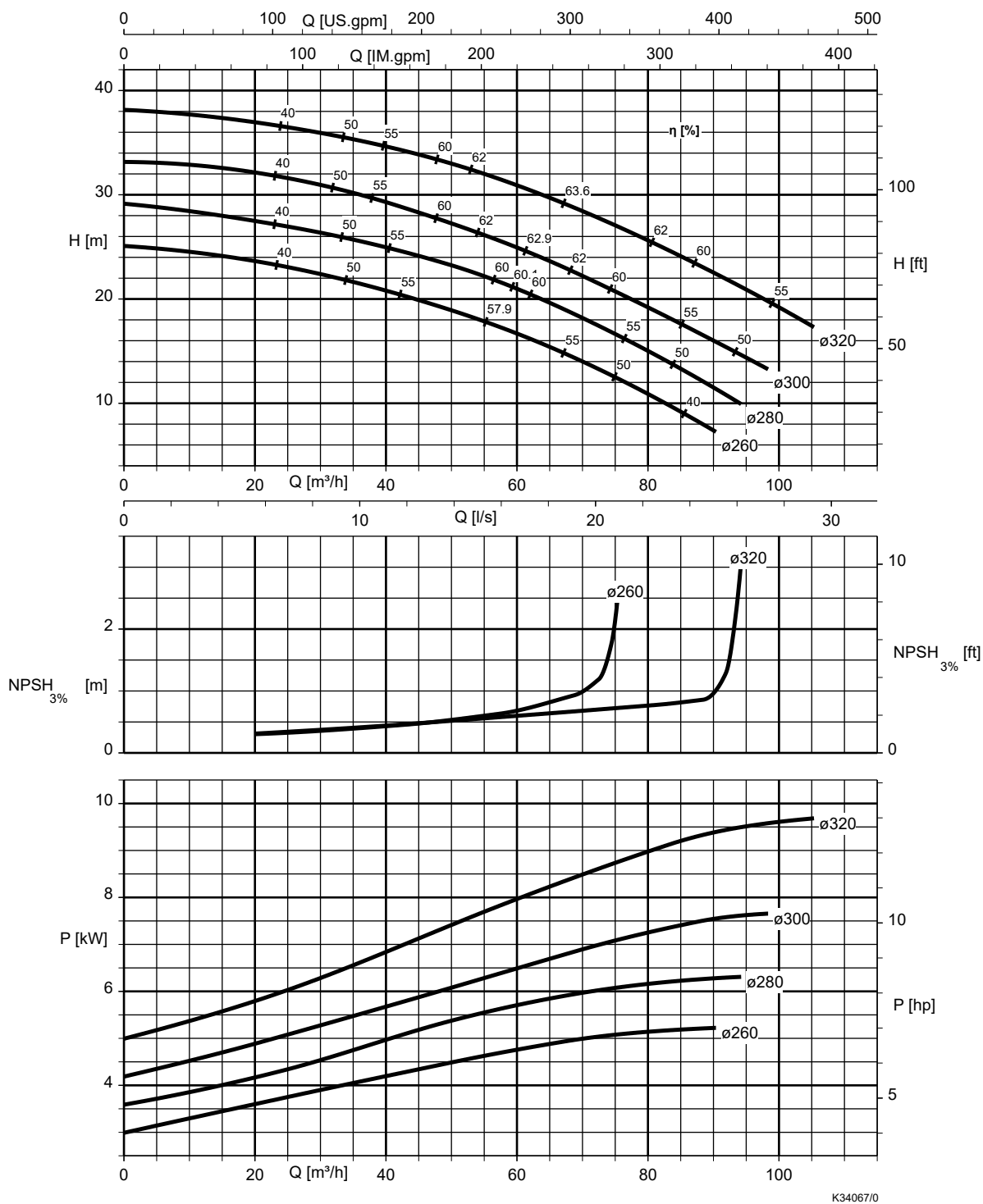
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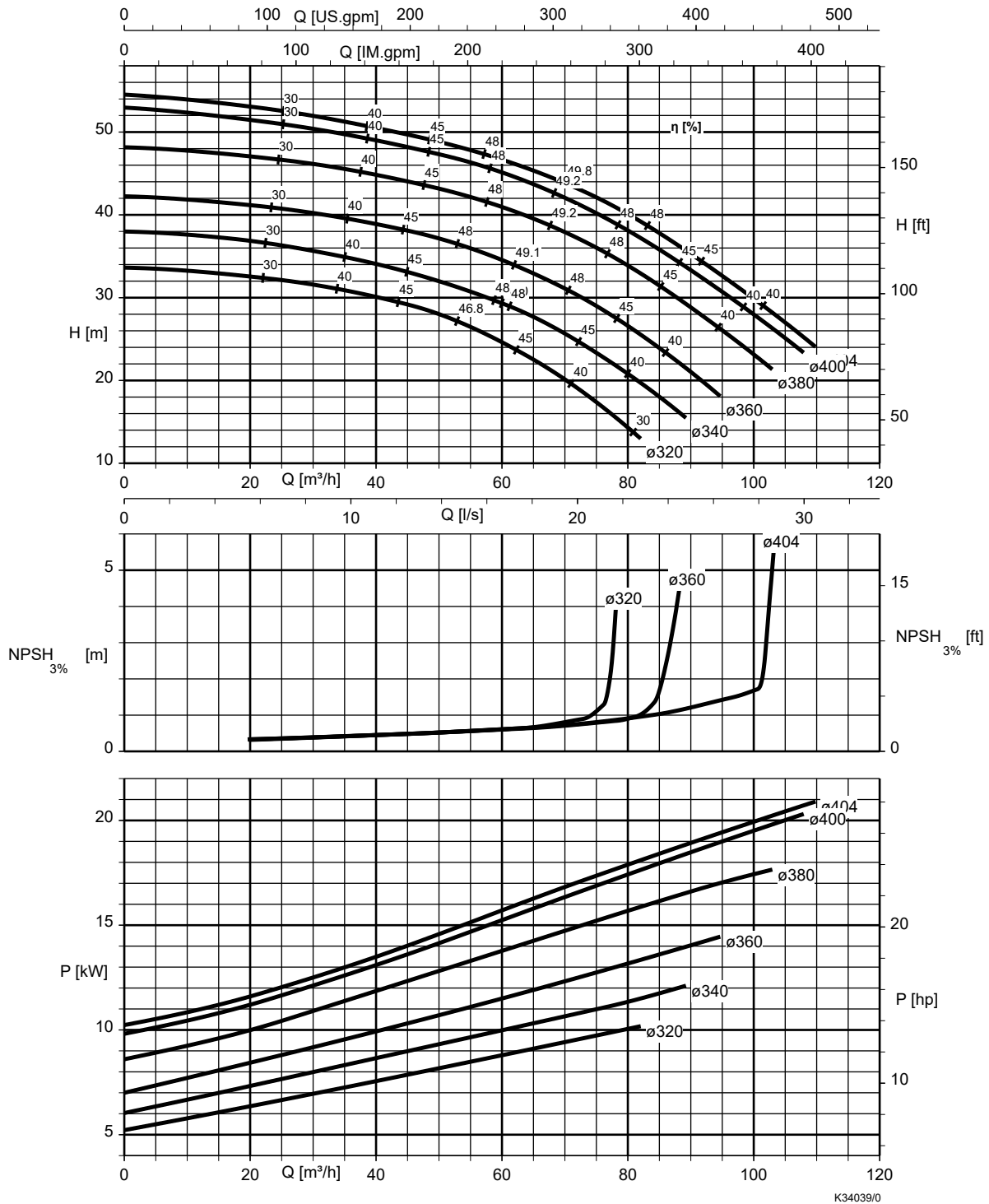
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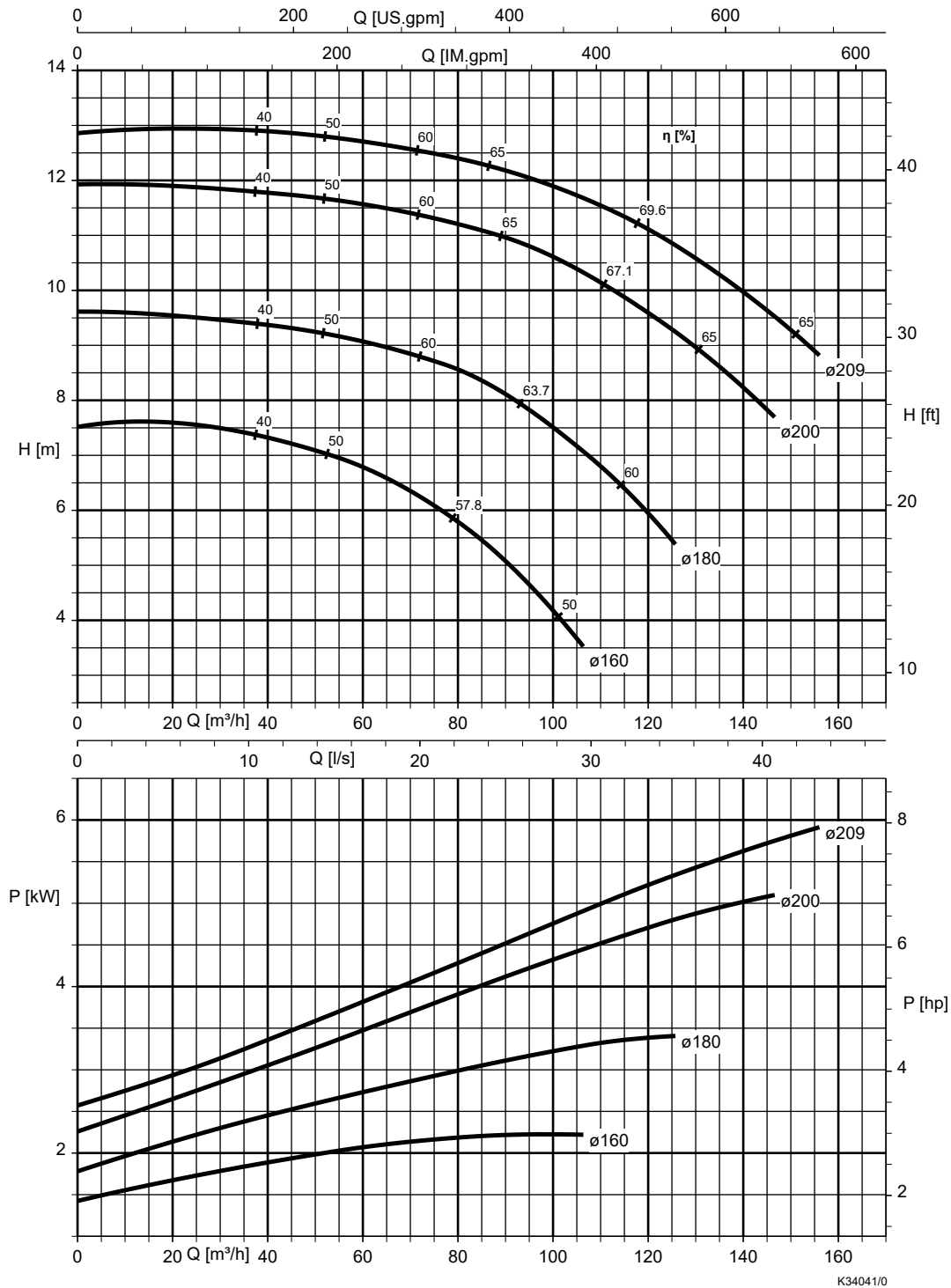
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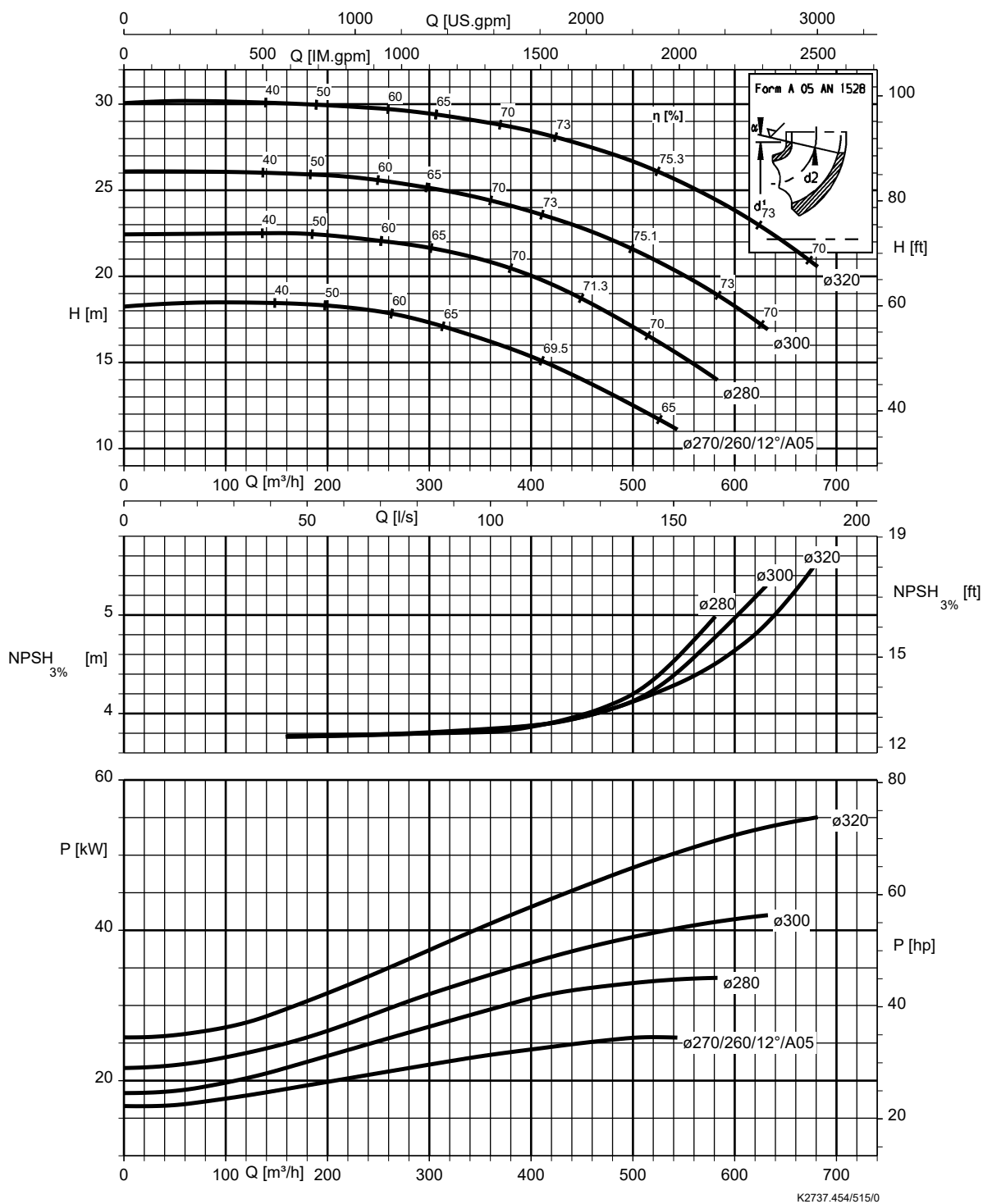
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CPKNO 100-200, n = 1450 t/min

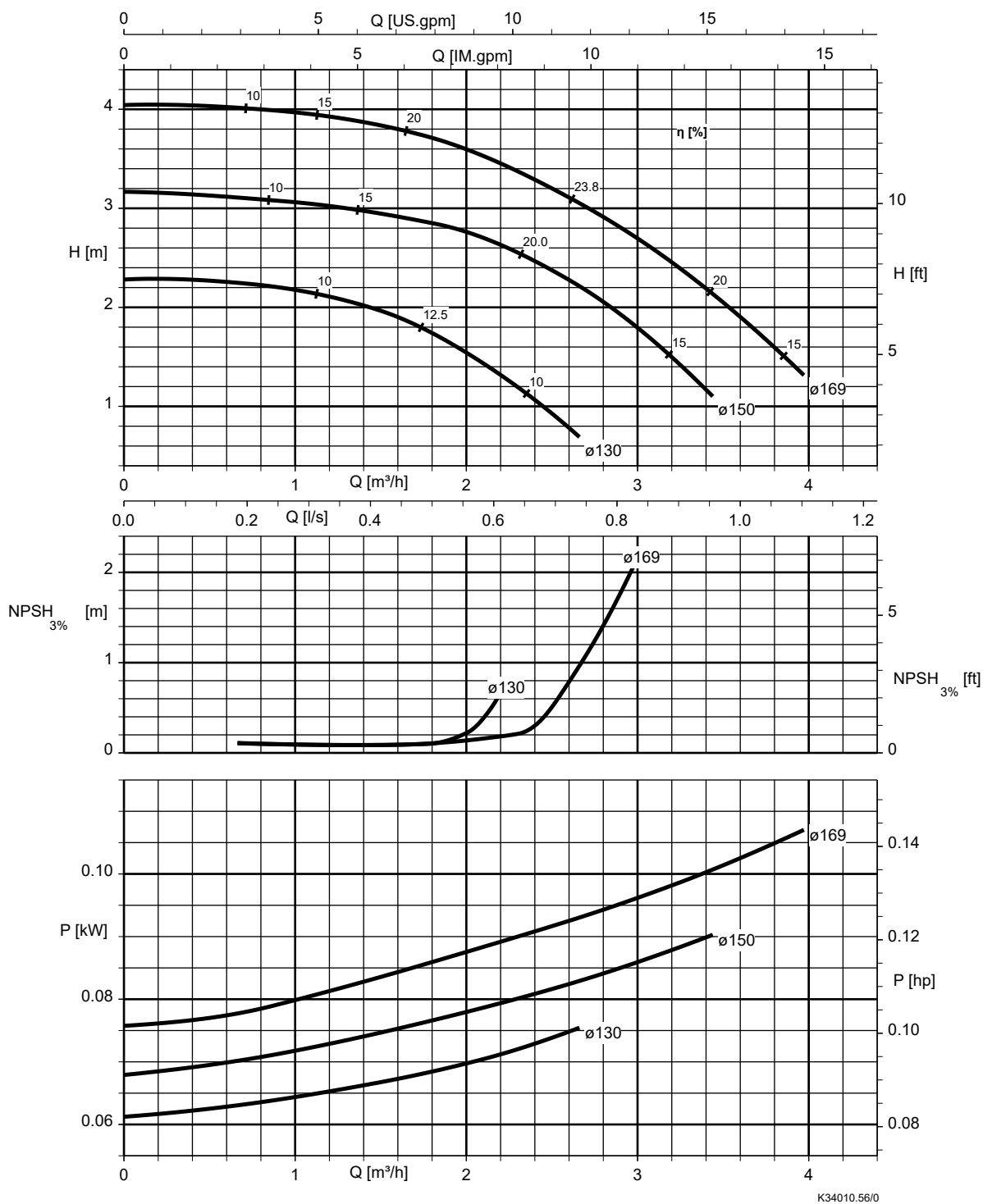


CPKNO 200-315, n = 1450 t/min

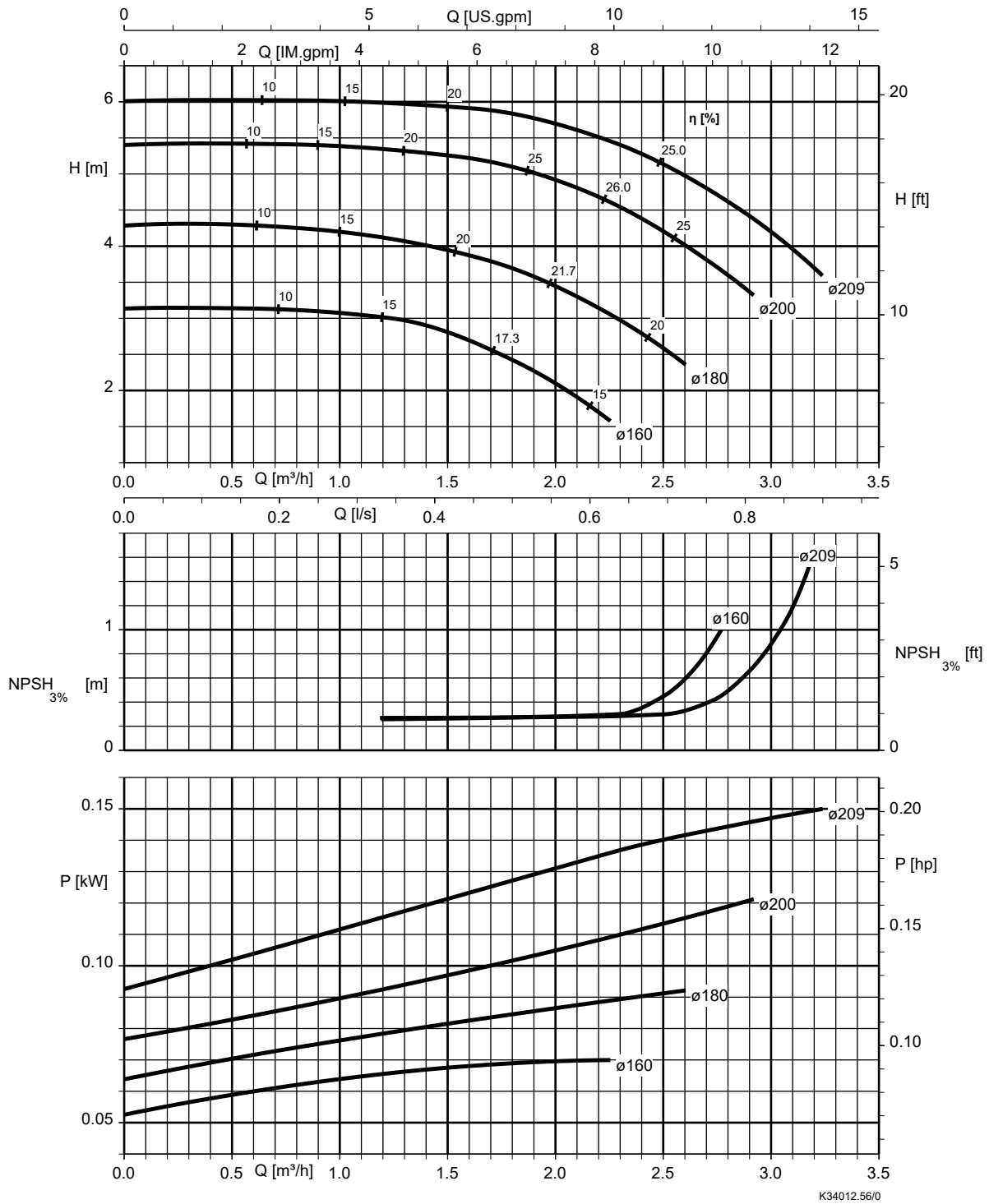


n = 960 t/min

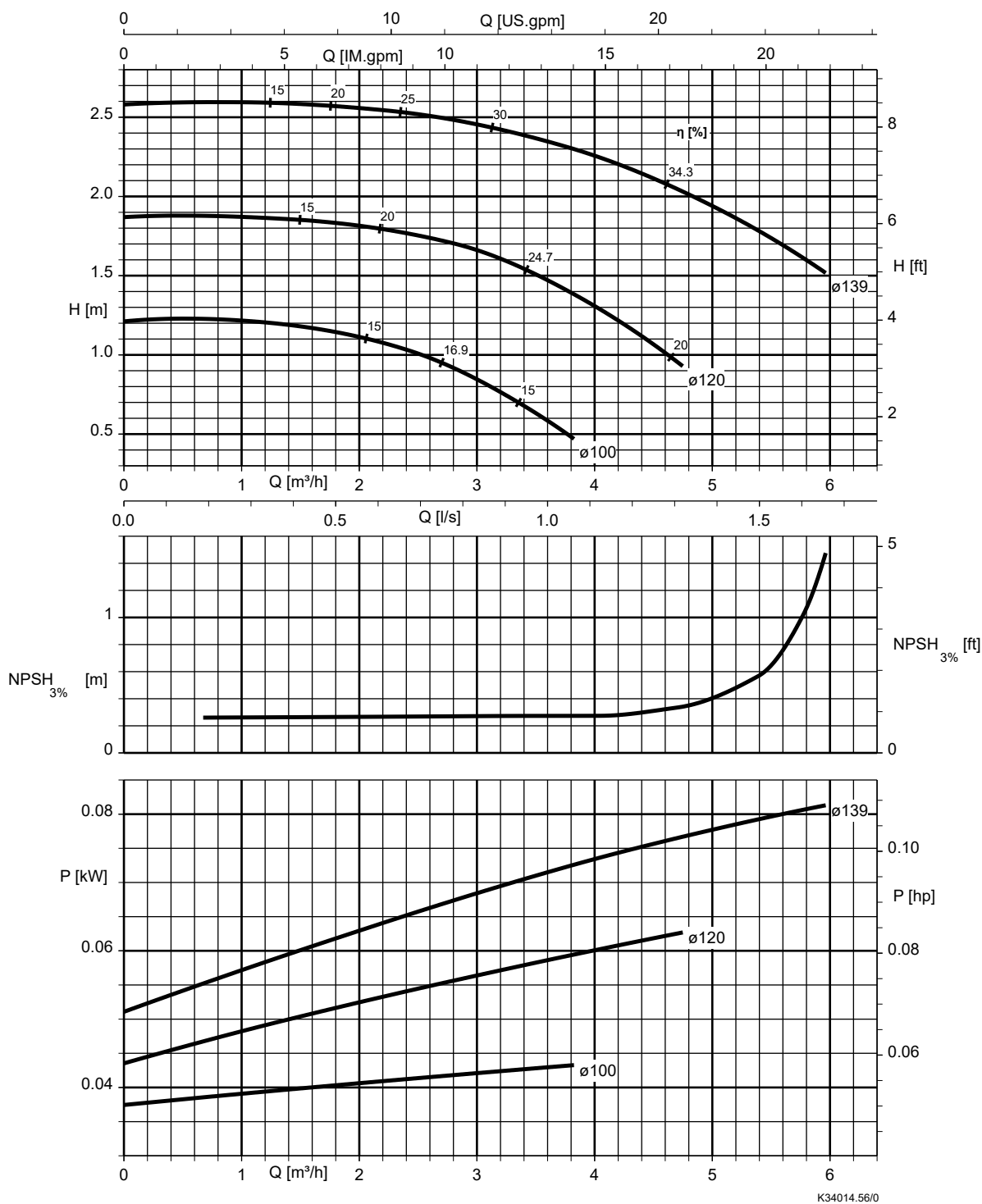
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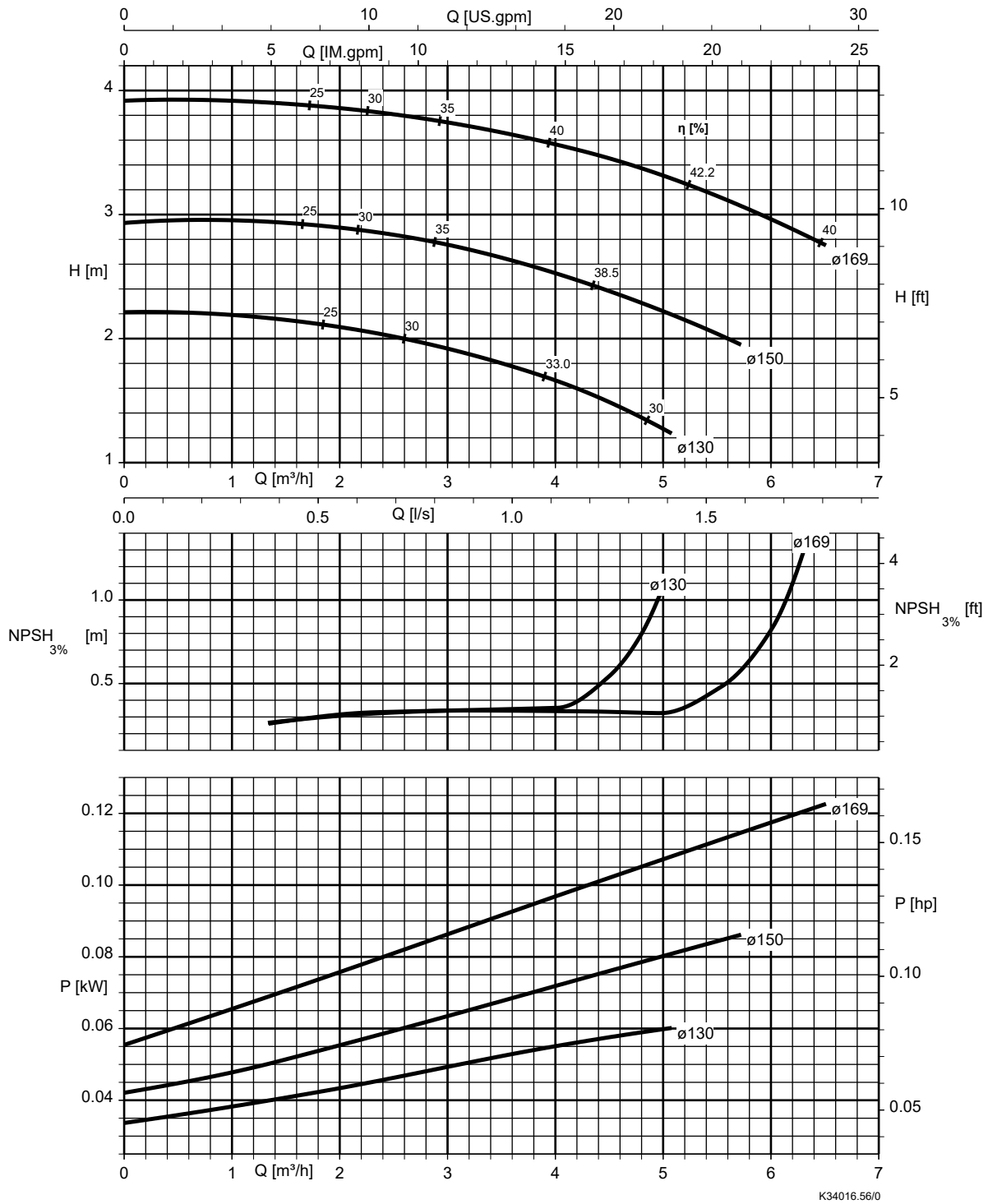
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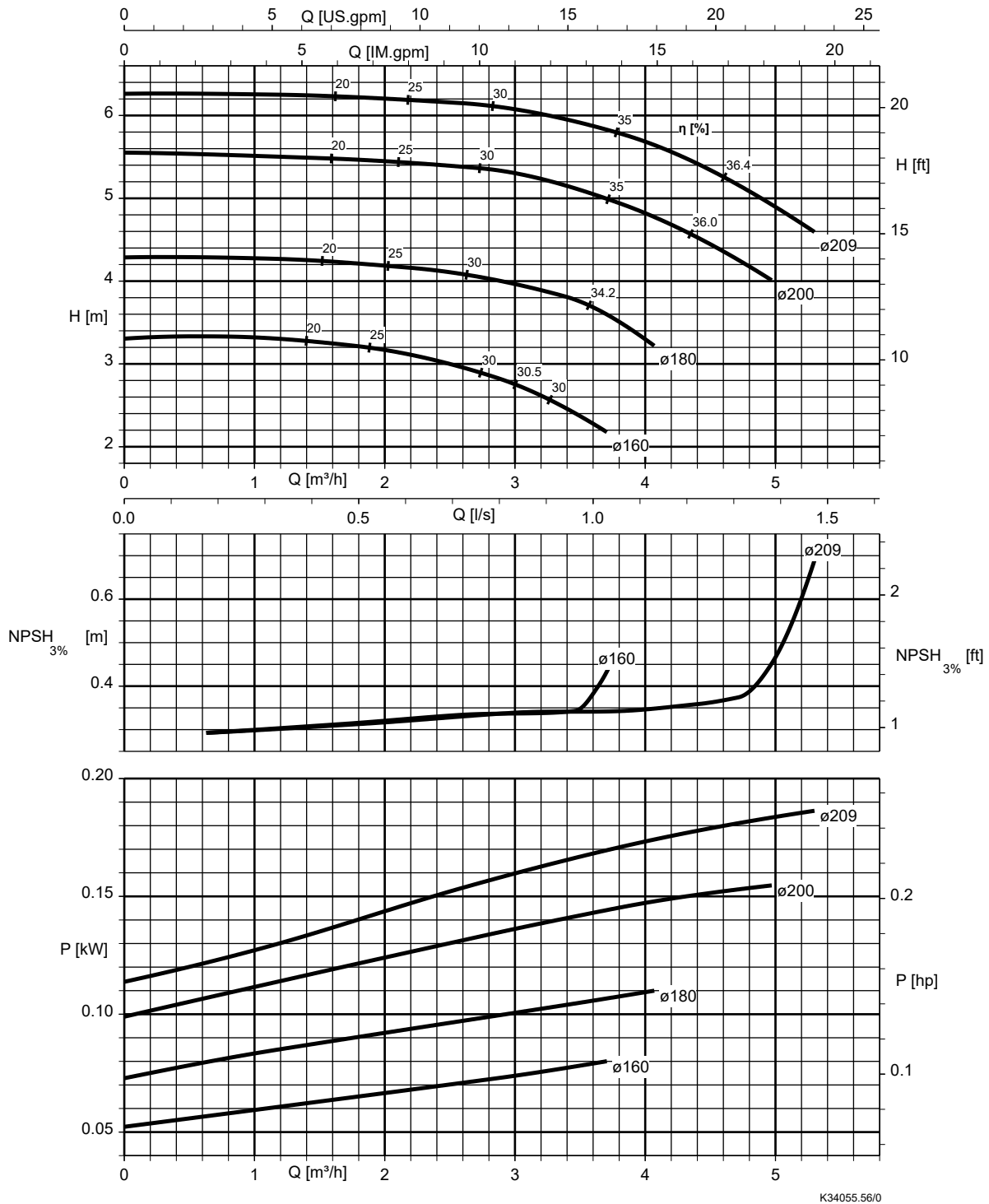
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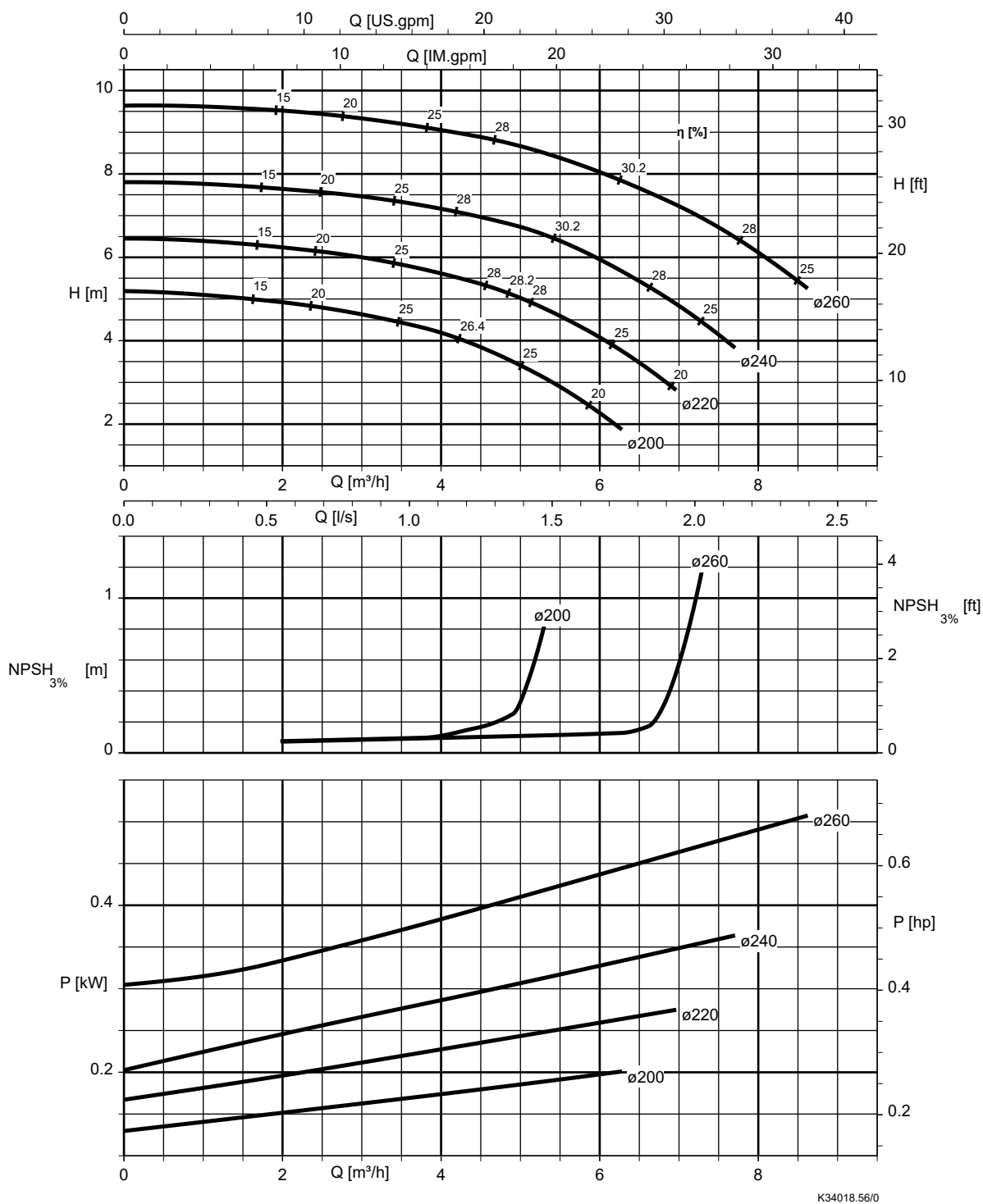
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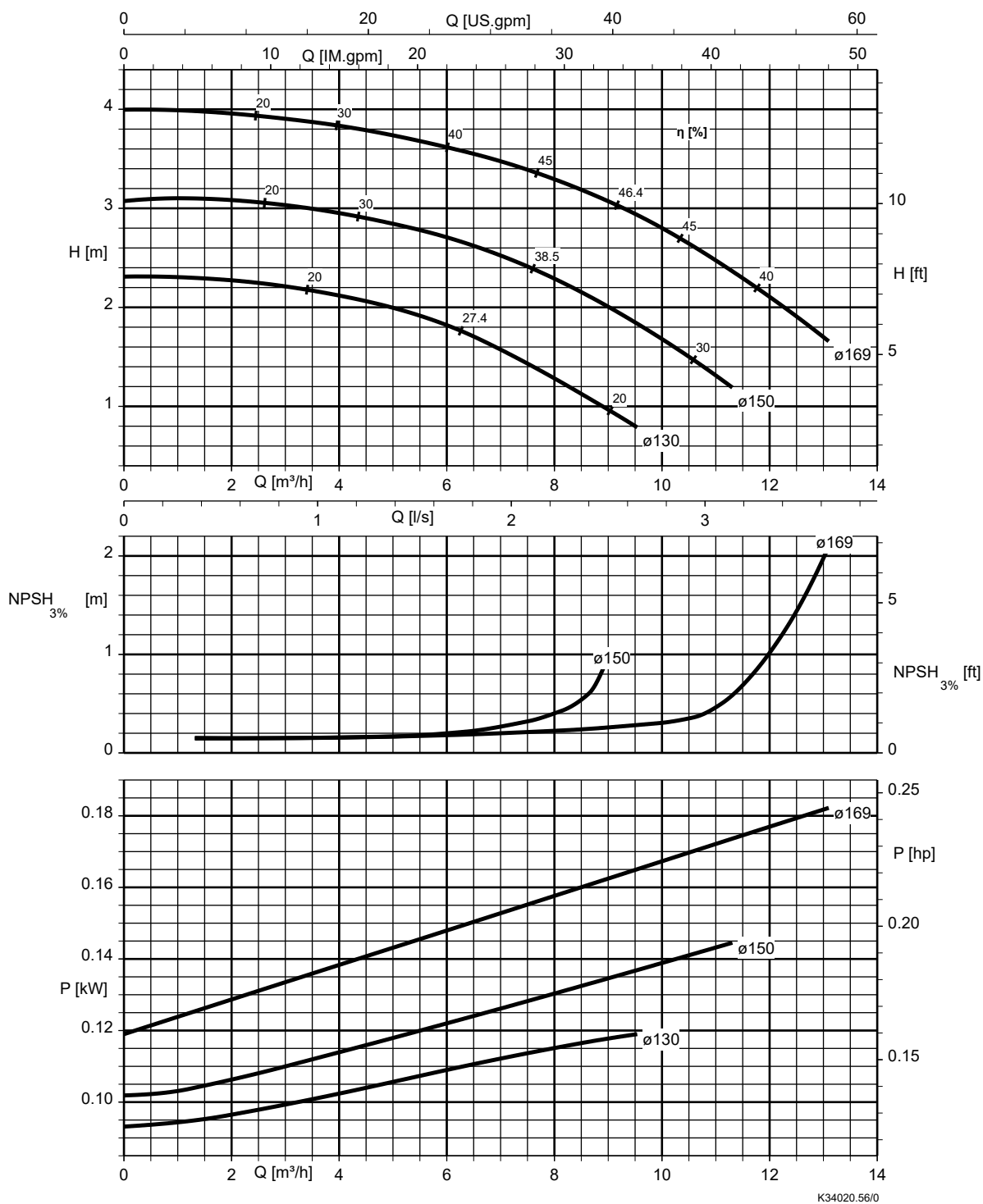
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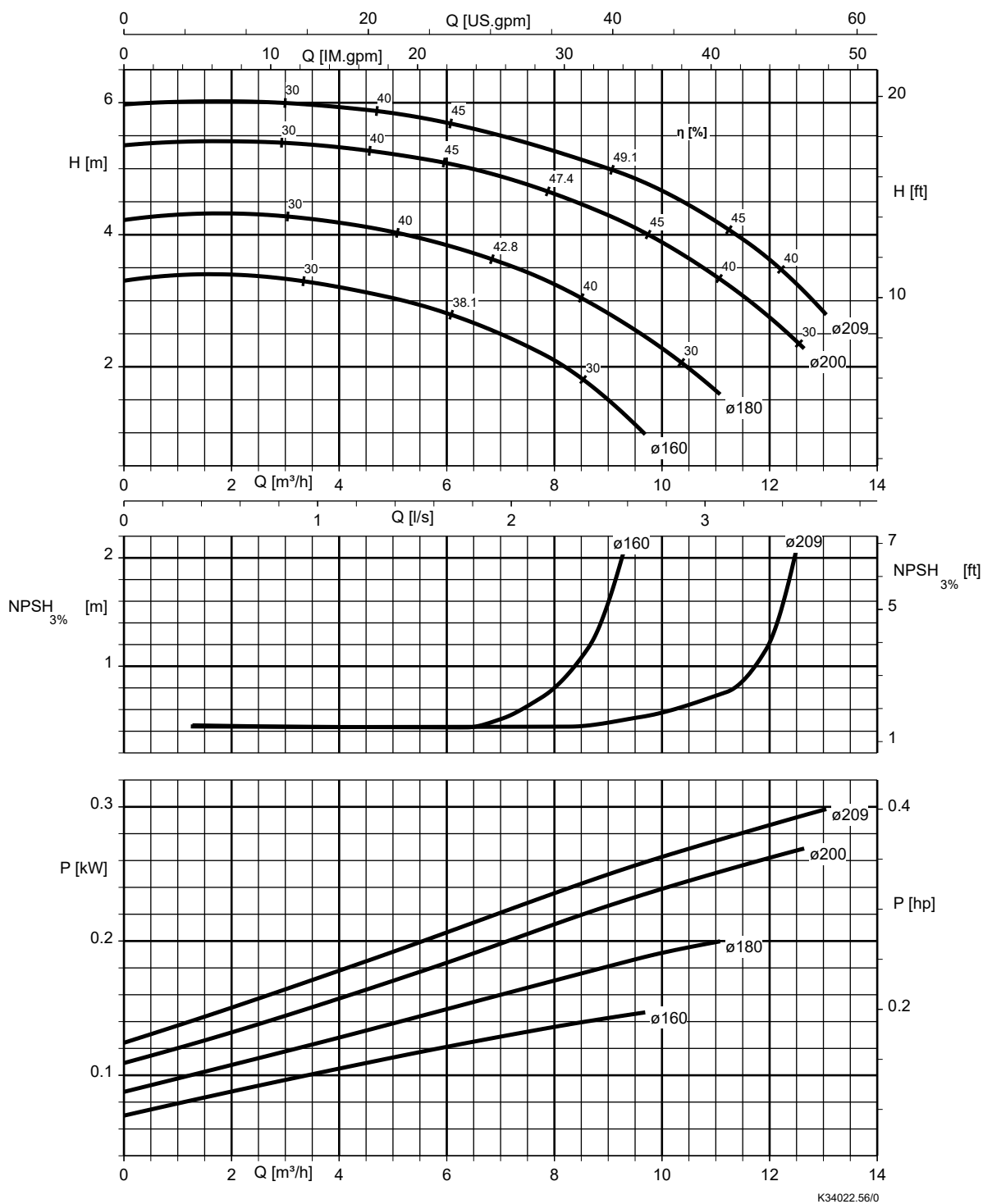
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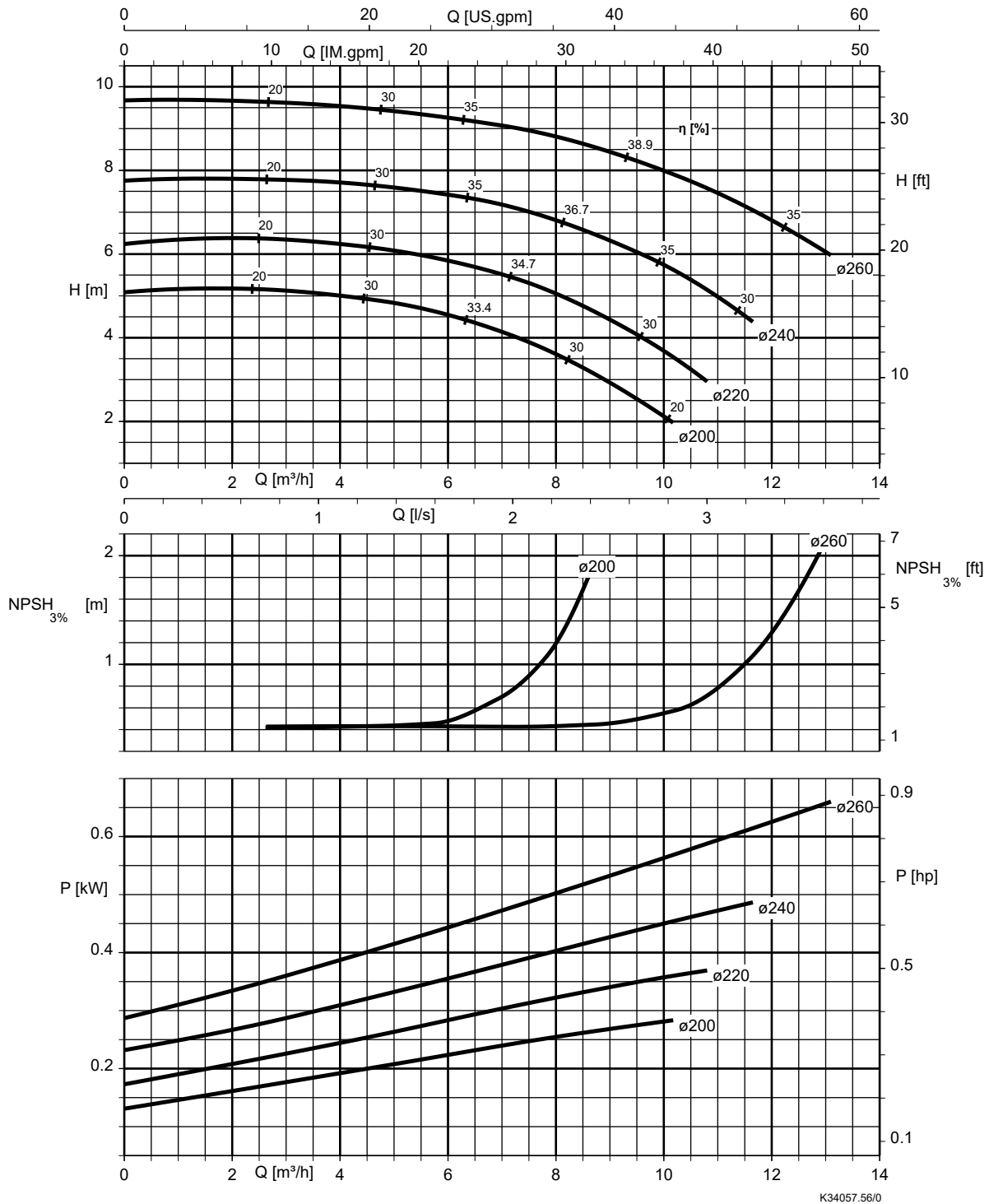
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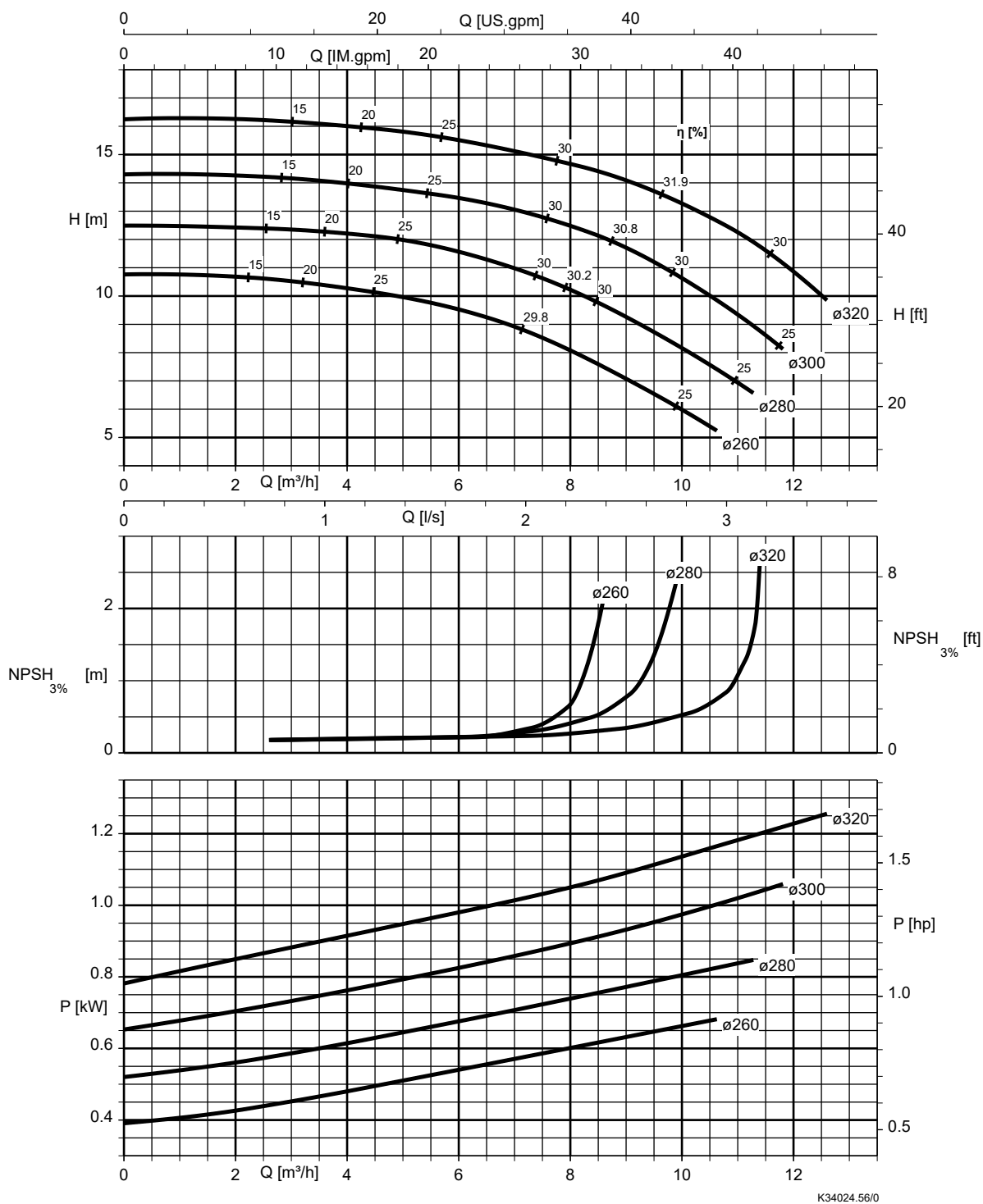
CPKNO 40-200, 960 t/min



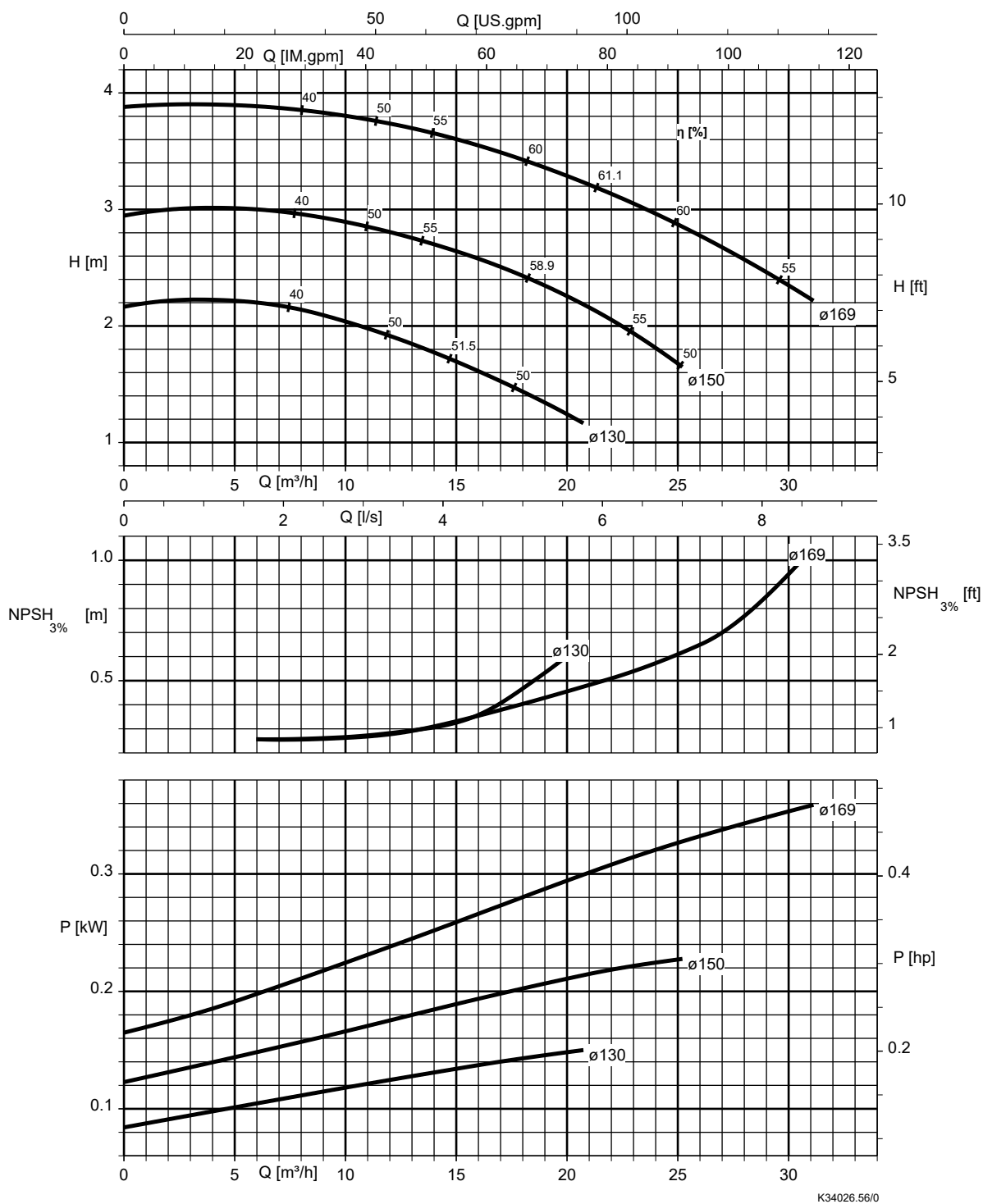
CPKNO 40-250, 960 t/min



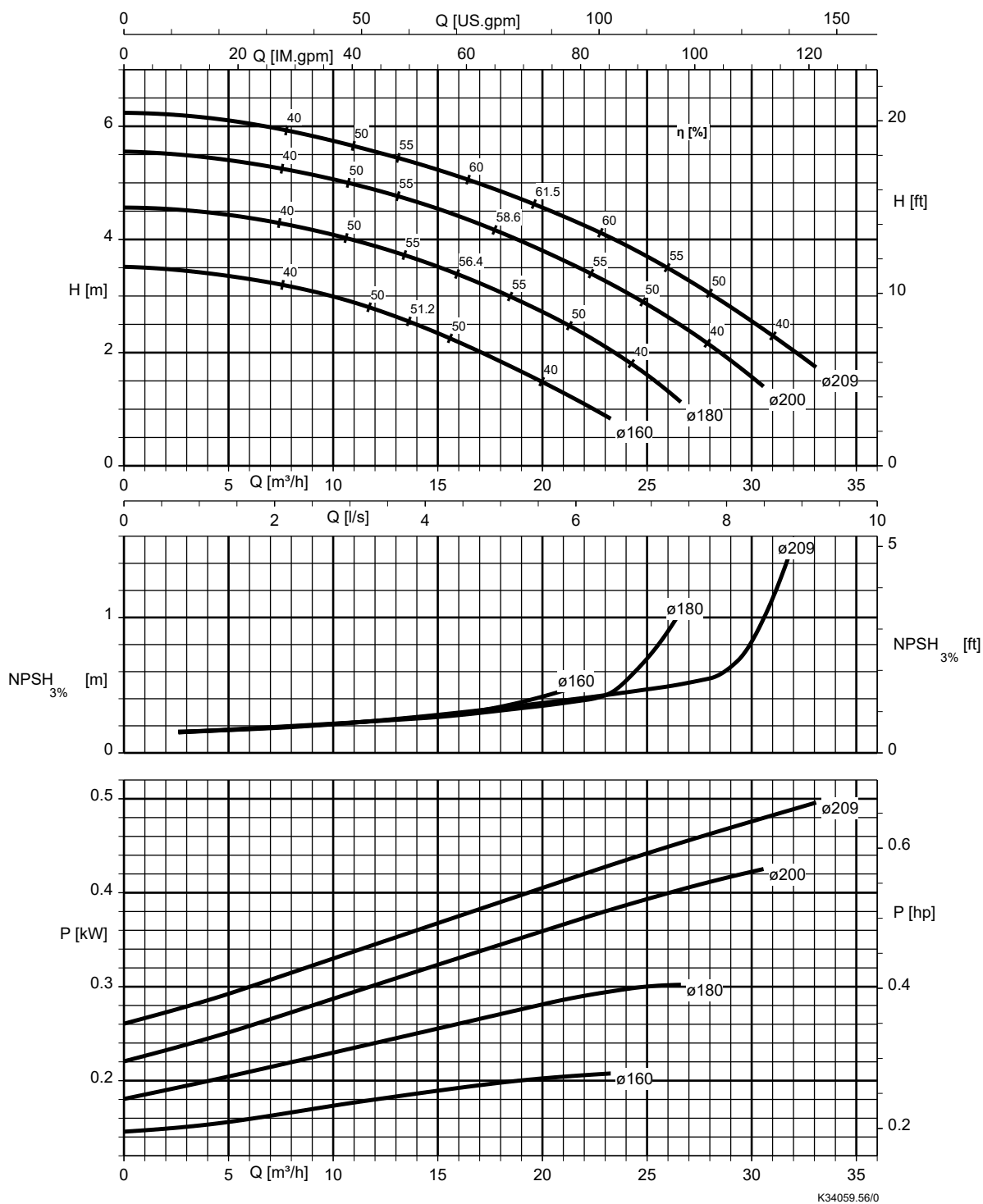
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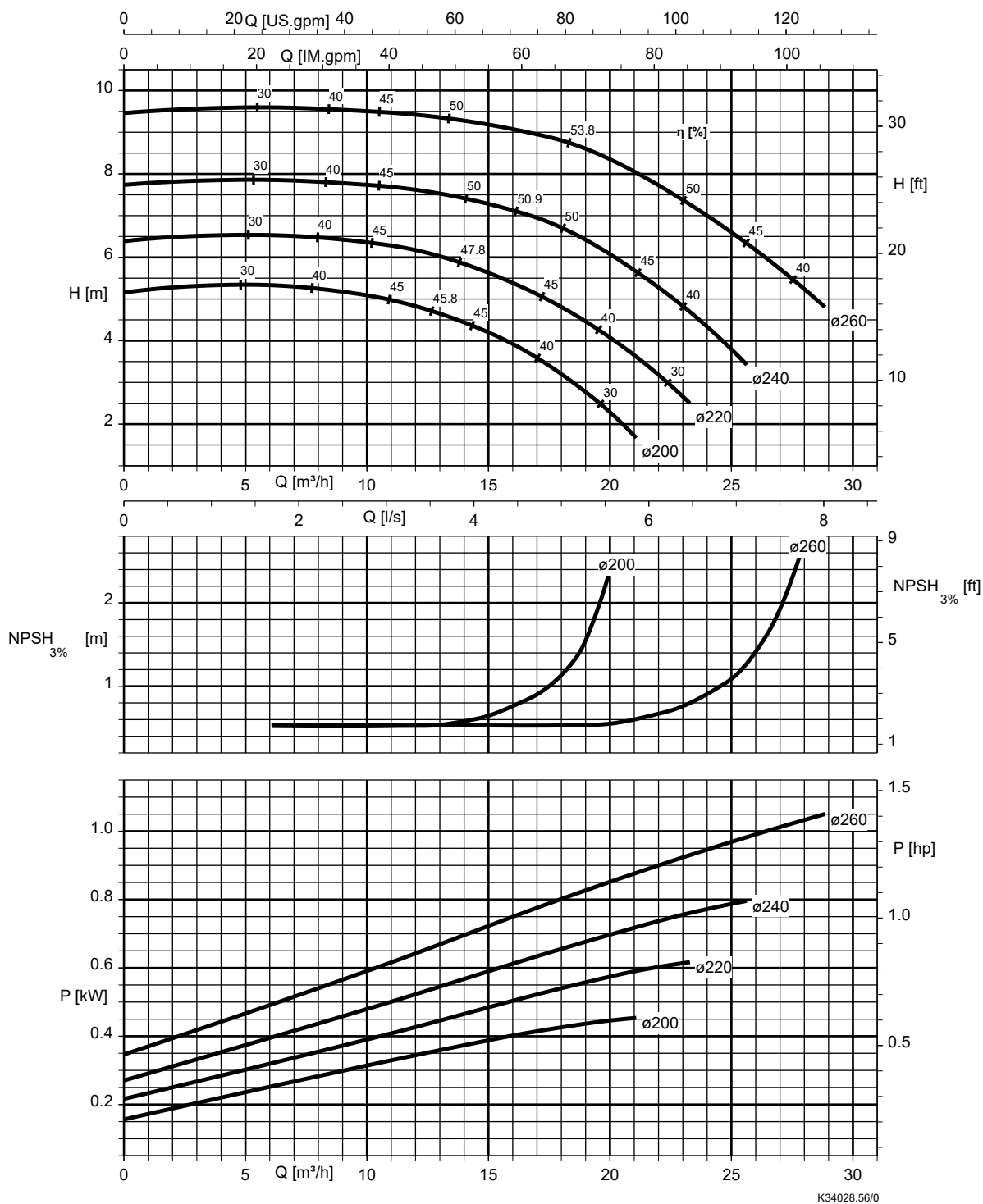
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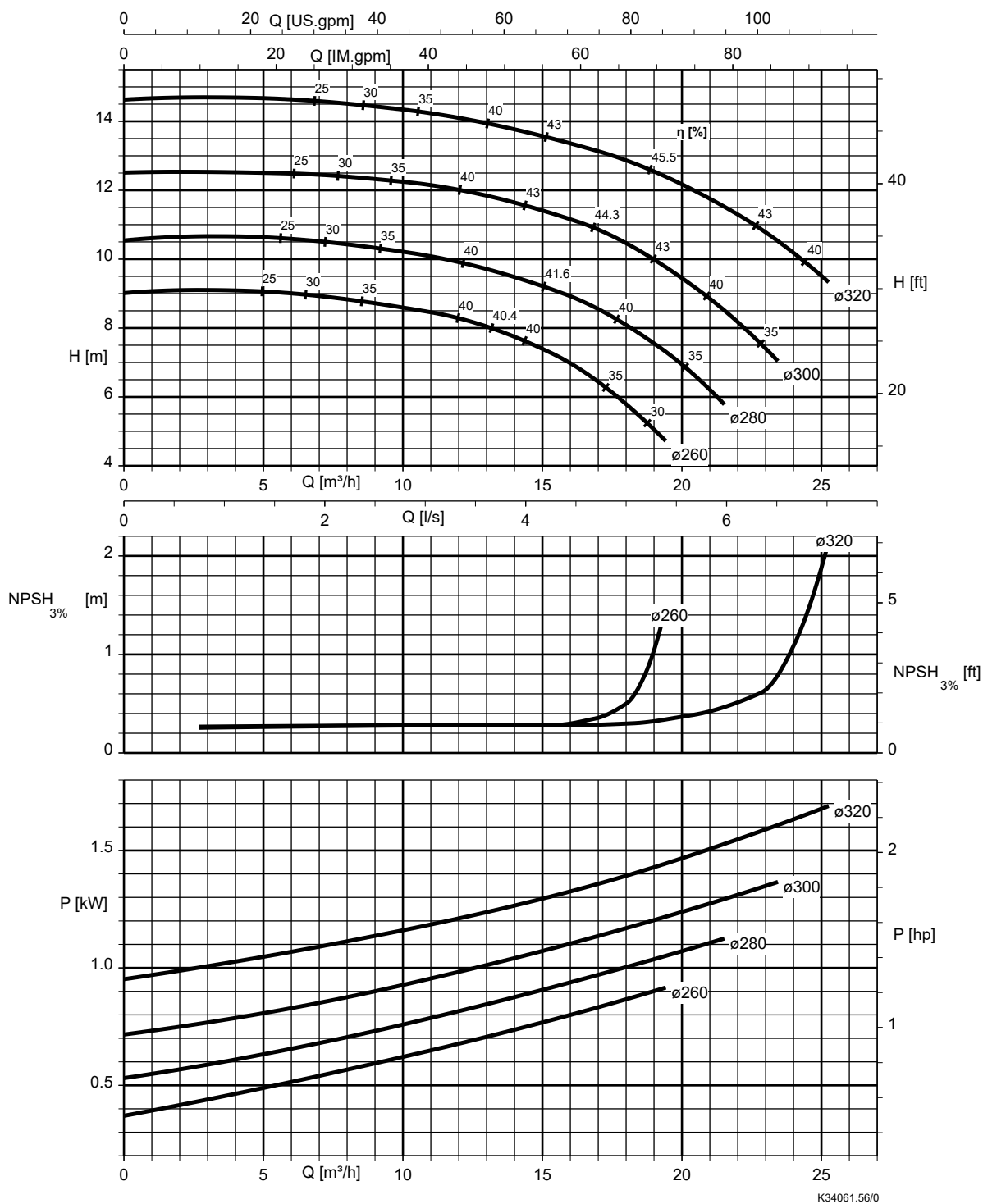
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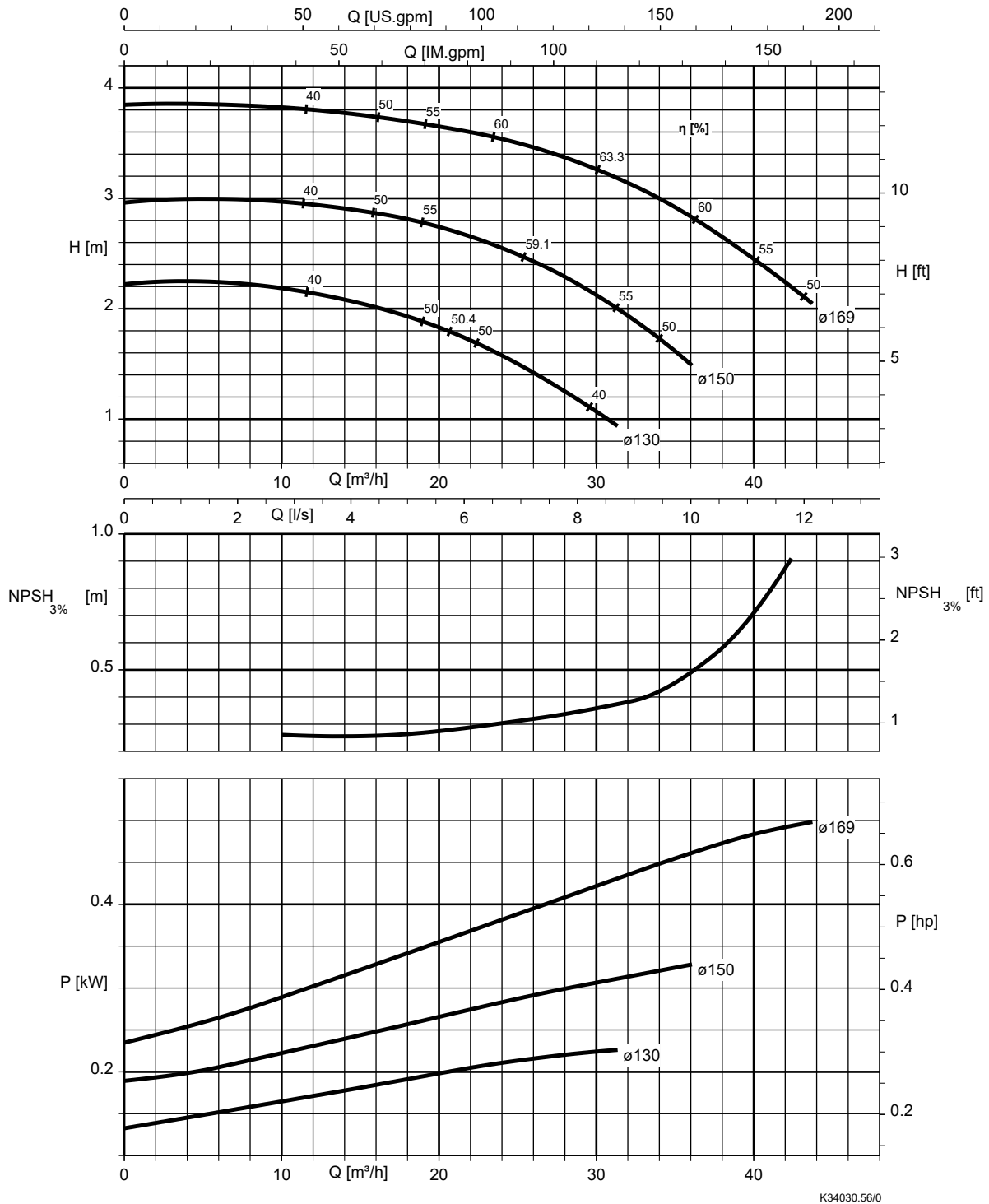
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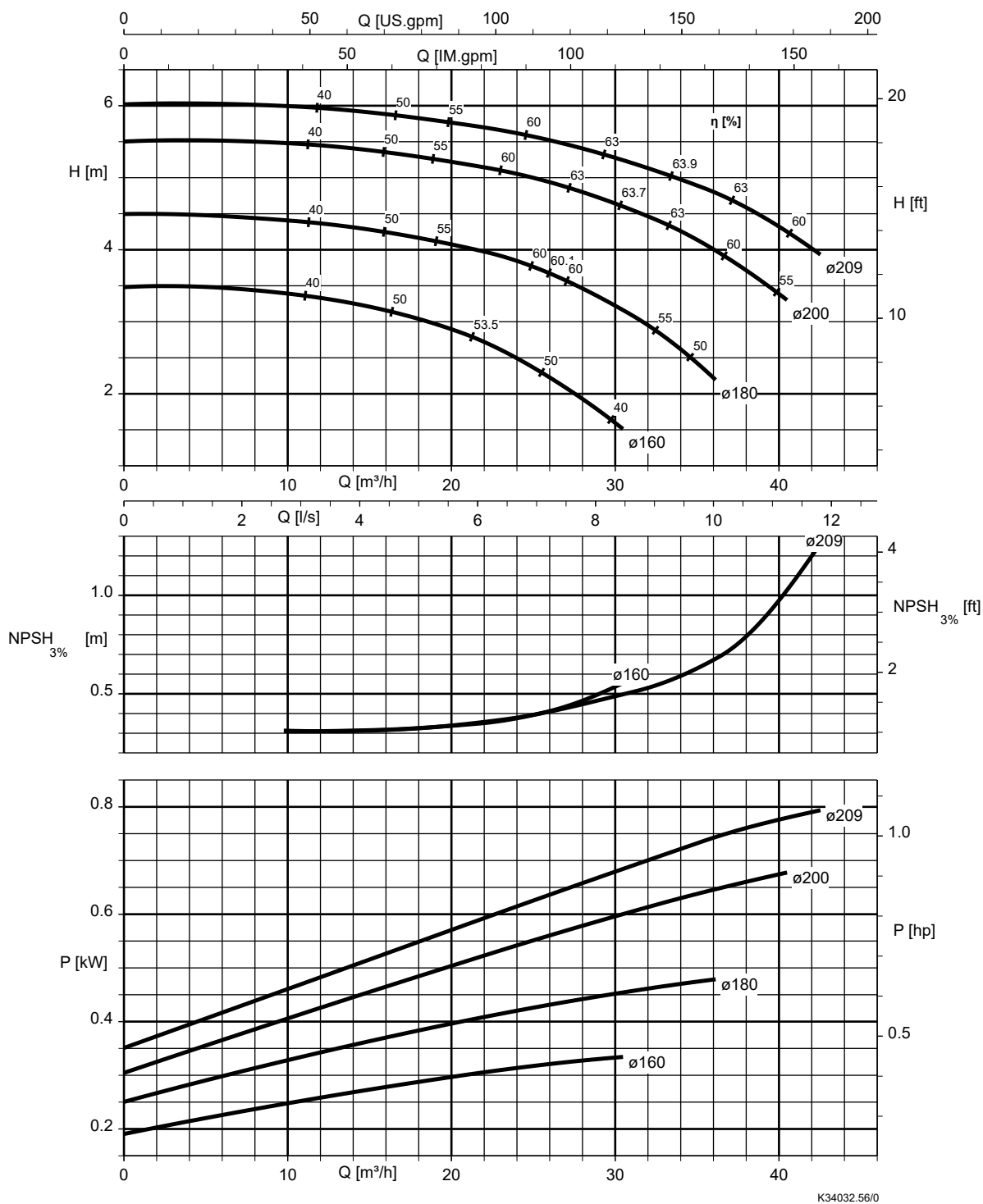


CPKNO 65-160, 960 t/min

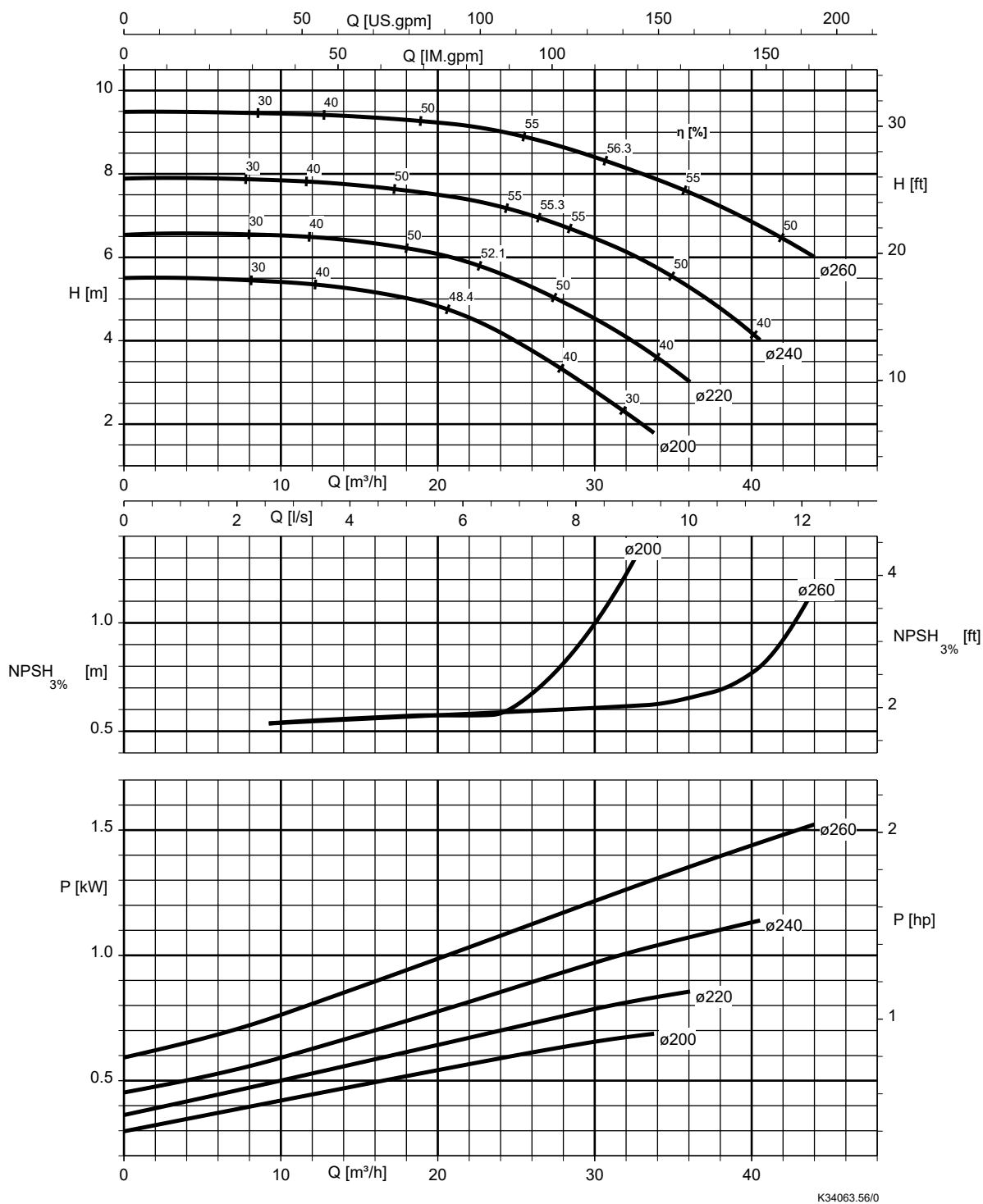


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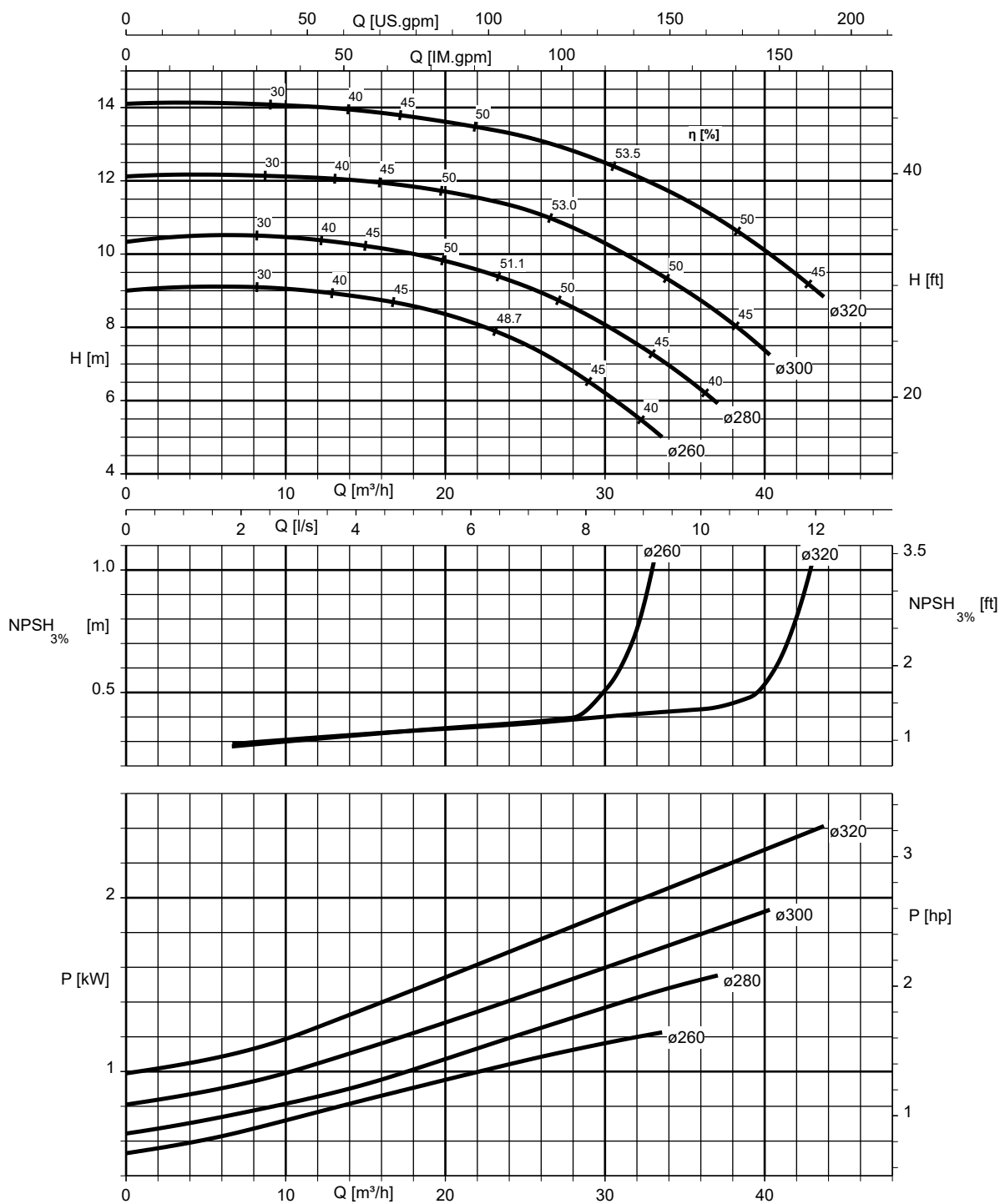
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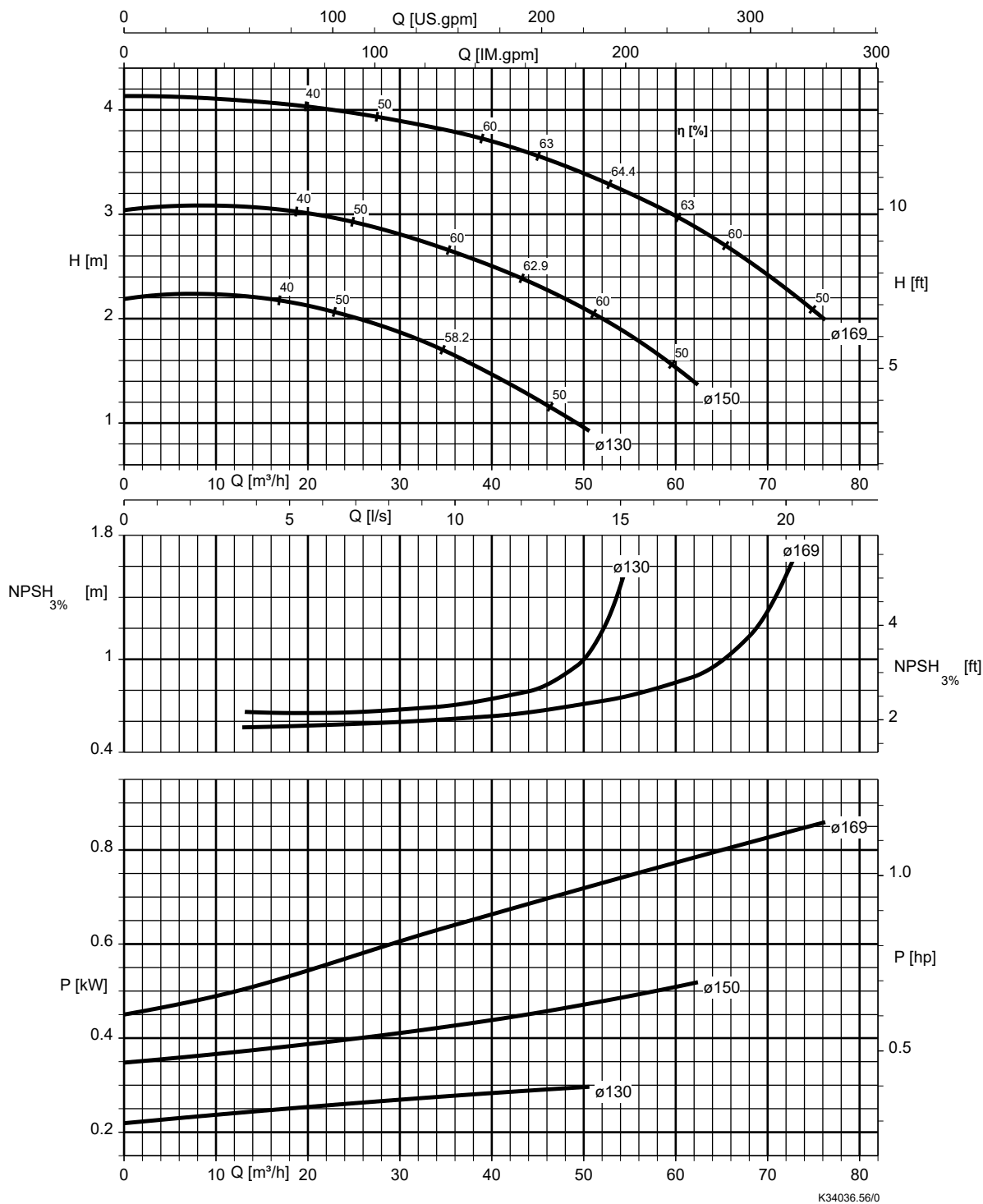


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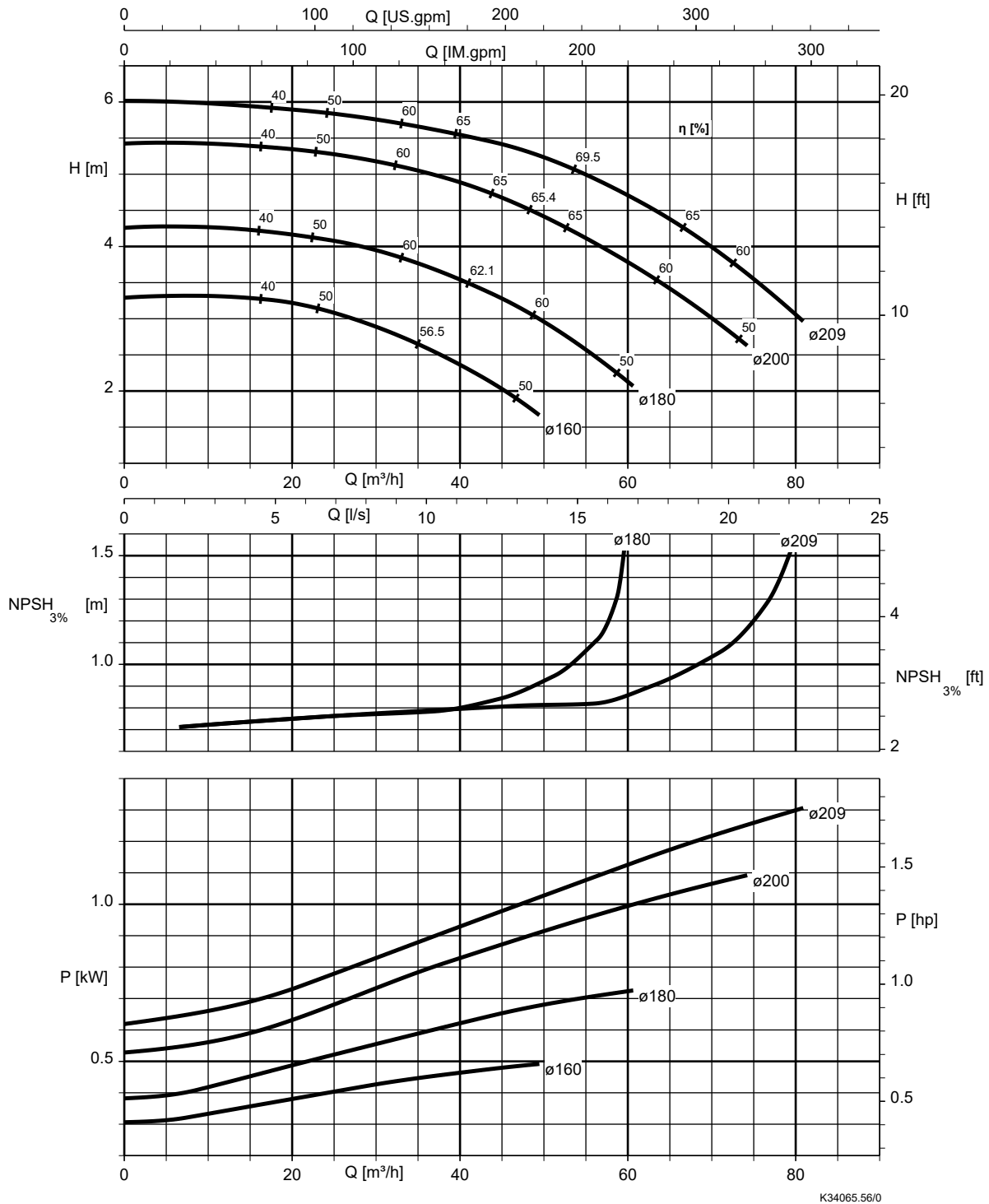


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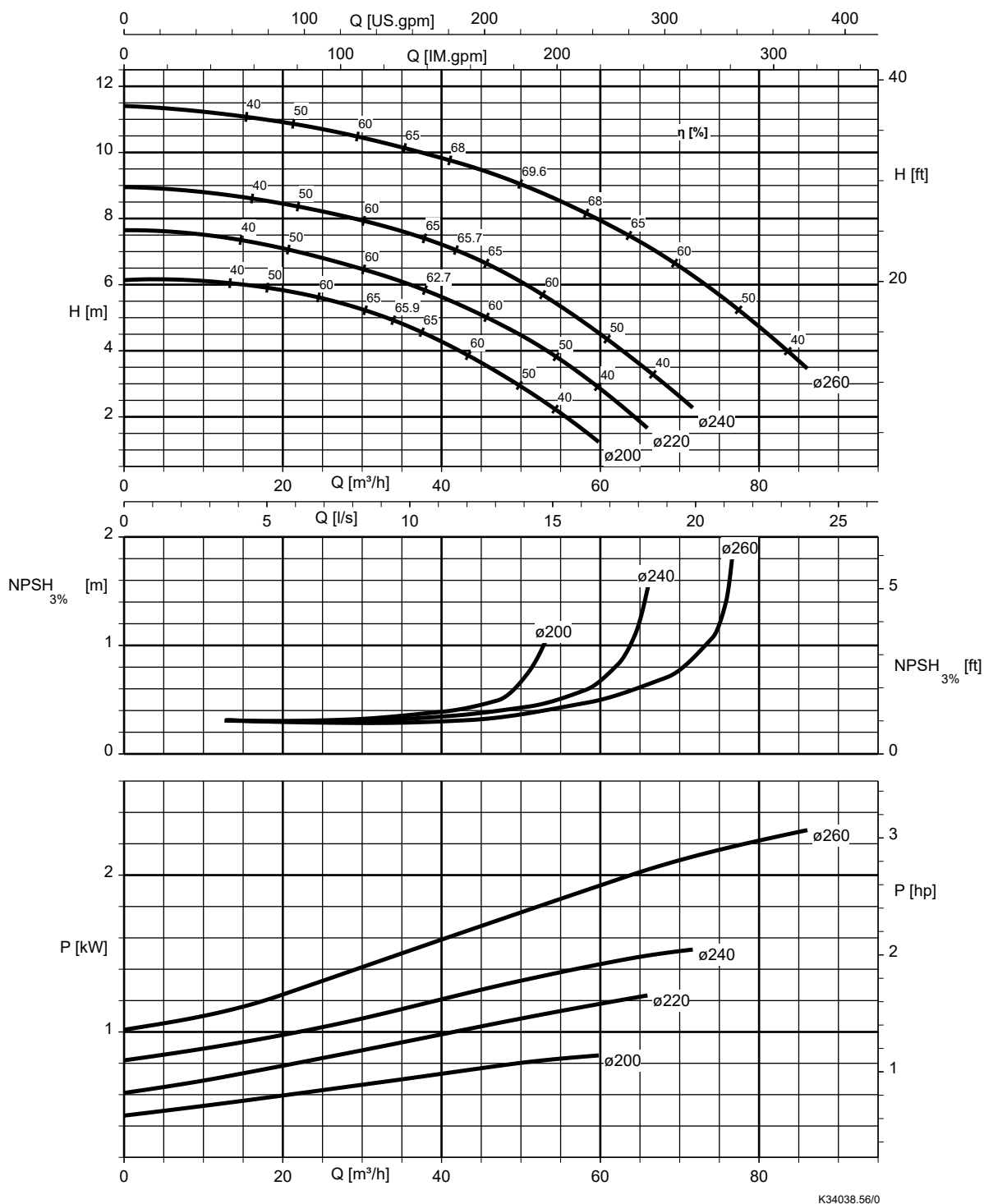
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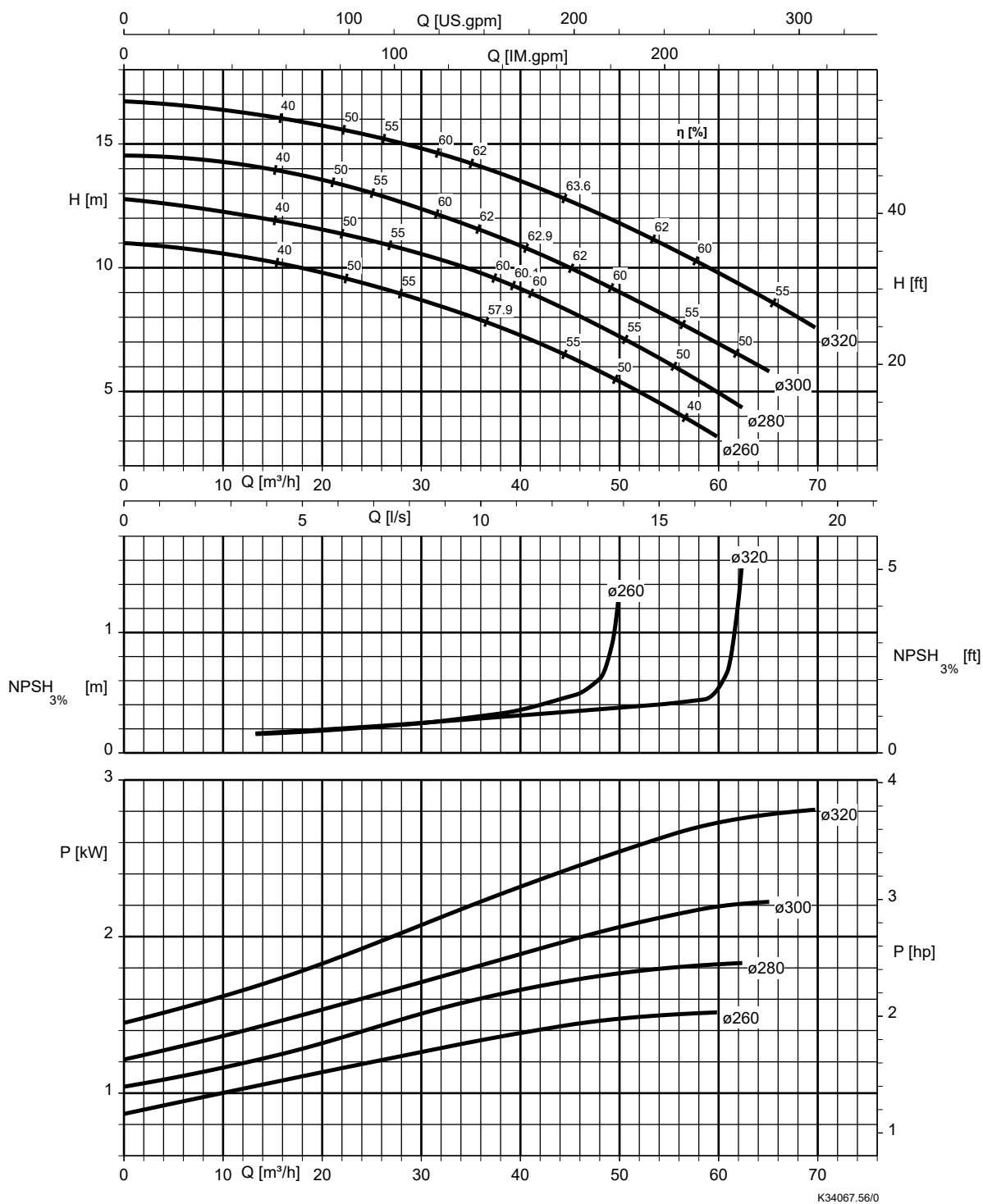
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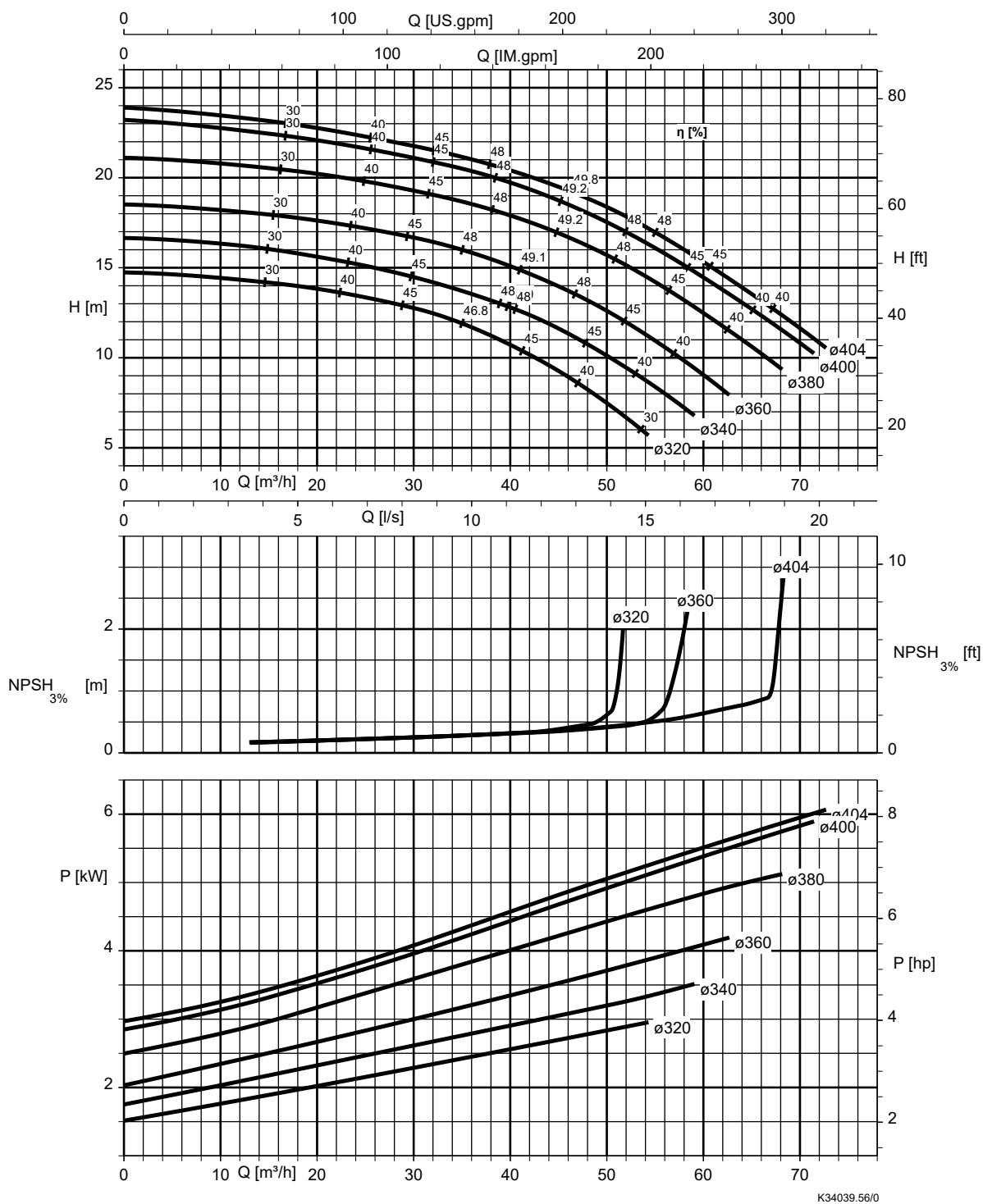
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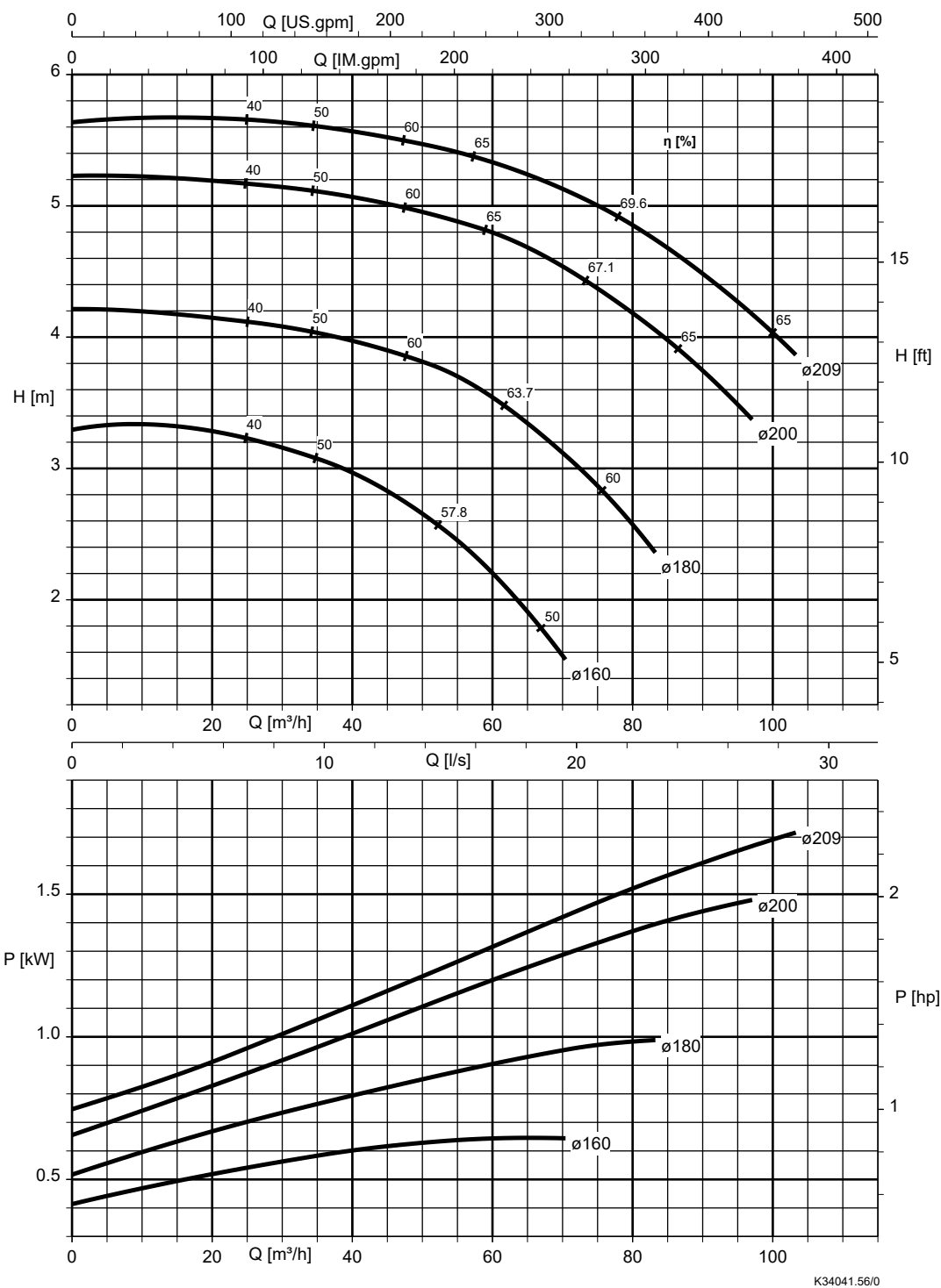
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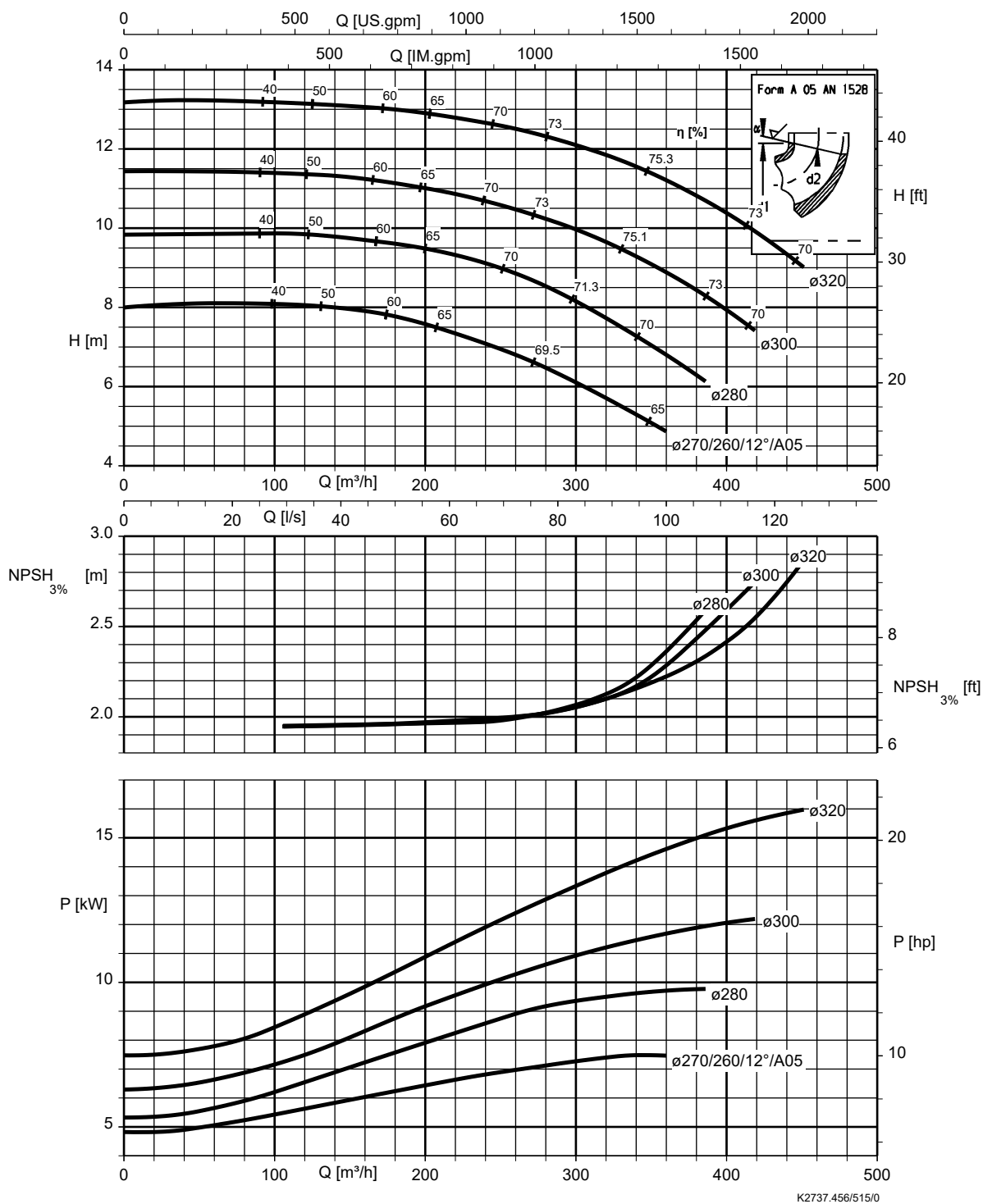


CPKNO 80-400, 960 t/min



CPKNO 100-200, 960 t/min







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