Hygienepumpe

Vitacast / Vitacast Bloc

Kennlinienheft



Impressum

Kennlinienheft Vitacast / Vitacast Bloc

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Generell gilt: Technische Änderungen vorbehalten.

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Hygienepumpe

Pumpen für Steril- und Lebensmitteltechnik

Vitacast, Vitacast-Bloc



Allgemein

Abnahmeklasse: Kennlinien gemäß ISO 9906-Klasse 3B

NPSH-Werte
Die in den Kennlinien angegebenen NPSH-Messwerte entsprechen einem Förderhöhenabfall von 3%.

NPSH-Wert im Teillastgebiet
NPSH-Werte für Förderströme kleiner als Q = 0,3 x Q_{opt} können nur mit sehr hohem Aufwand gemessen werden. Der Nachweis von NPSH-Werten im Teillastgebiet wird nicht erbracht.

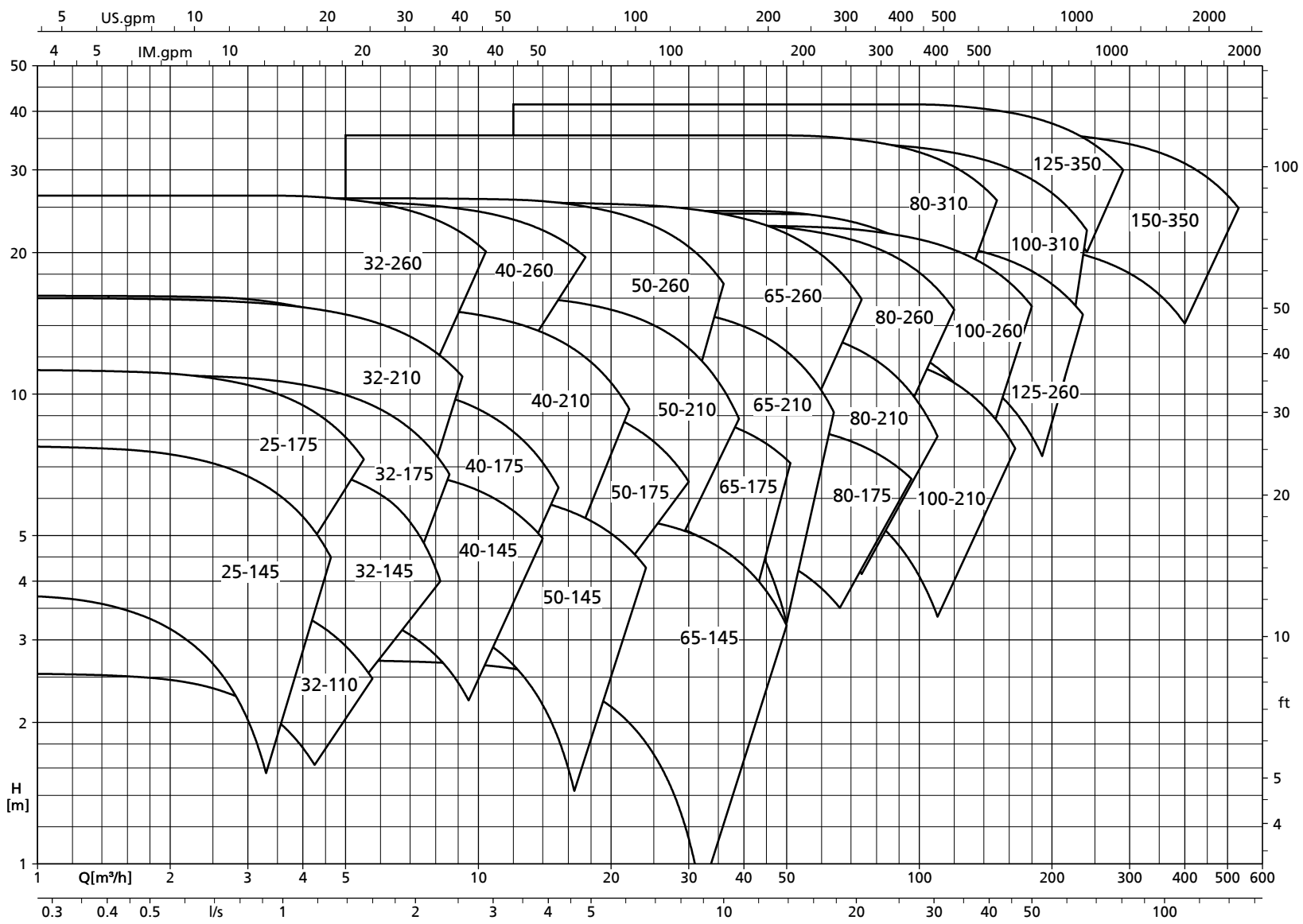
Dichte des Fördermediums
Die Förderhöhen und Leistungsangaben gelten für Fördermedien mit einer Dichte ρ = 1,0 kg/dm³ und einer kinematischen Viskosität v bis max. 20 mm²/s. Ist die Dichte ≠ 1,0, muss die Leistungsangabe mit ρ multipliziert werden. Bei Viskositäten >20 mm²/s müssen entsprechende Kaltwasserdaten berechnet werden und der Einfluss auf die Pumpenleistung ermittelt werden.

Reibleistung
Bei bestimmten Ausführungen (verstärkte Lagerung, bestimmte Wellendichtungen) müssen Reibleistungen berücksichtigt werden und als Zusatzleistung im Datenblatt angegeben werden.

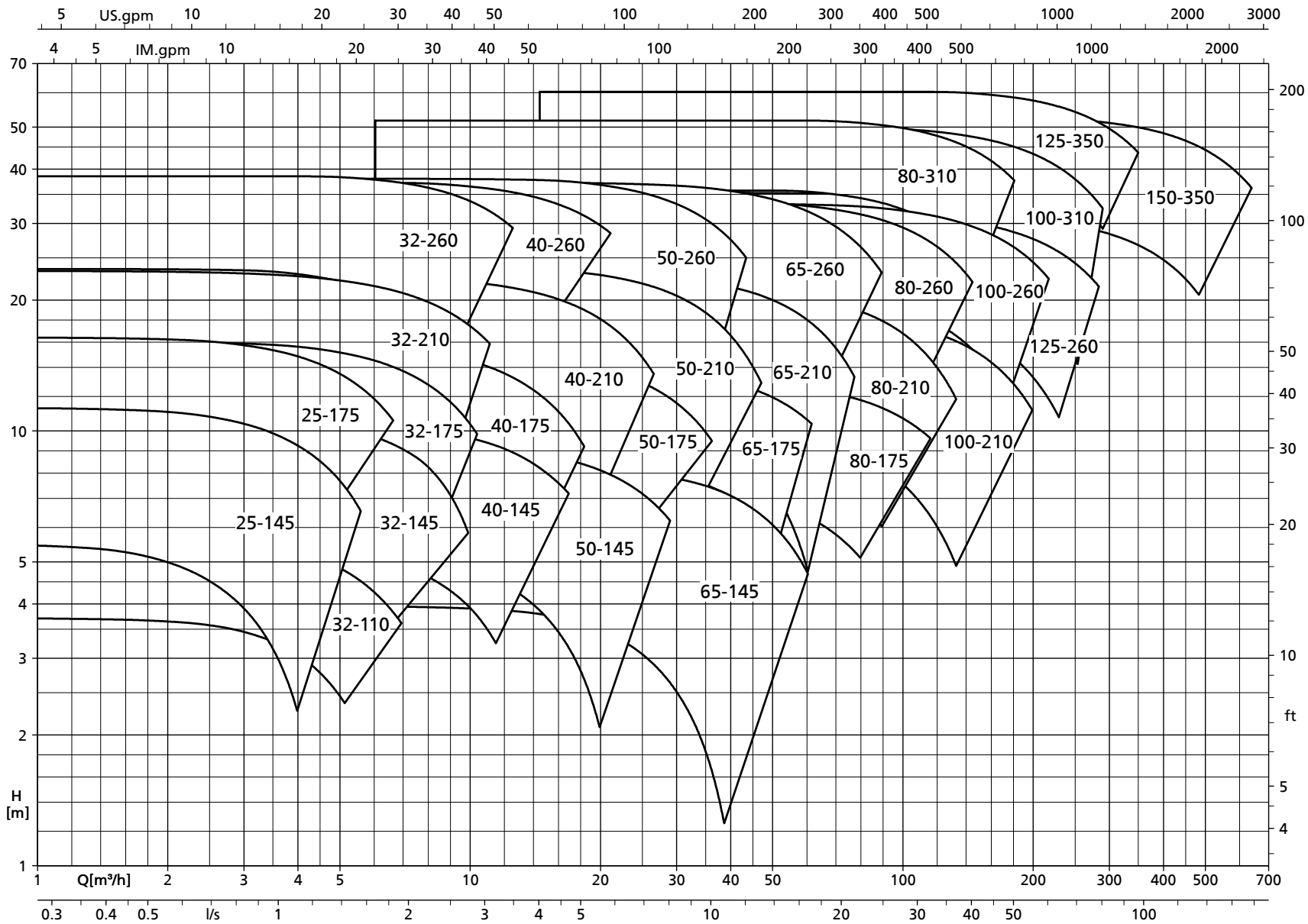
Abwertefaktoren
Die Kennlinien gelten für Pumpen mit Gusseisen- bzw. Bronze-Laufrädern. Bei Verwendung eines Laufrads aus einem Stahlgusswerkstoff müssen Wirkungsgrad und Leistung bei betroffenen Baugrößen mit den in den Kennlinien angegebenen Abwertefaktoren korrigiert werden.

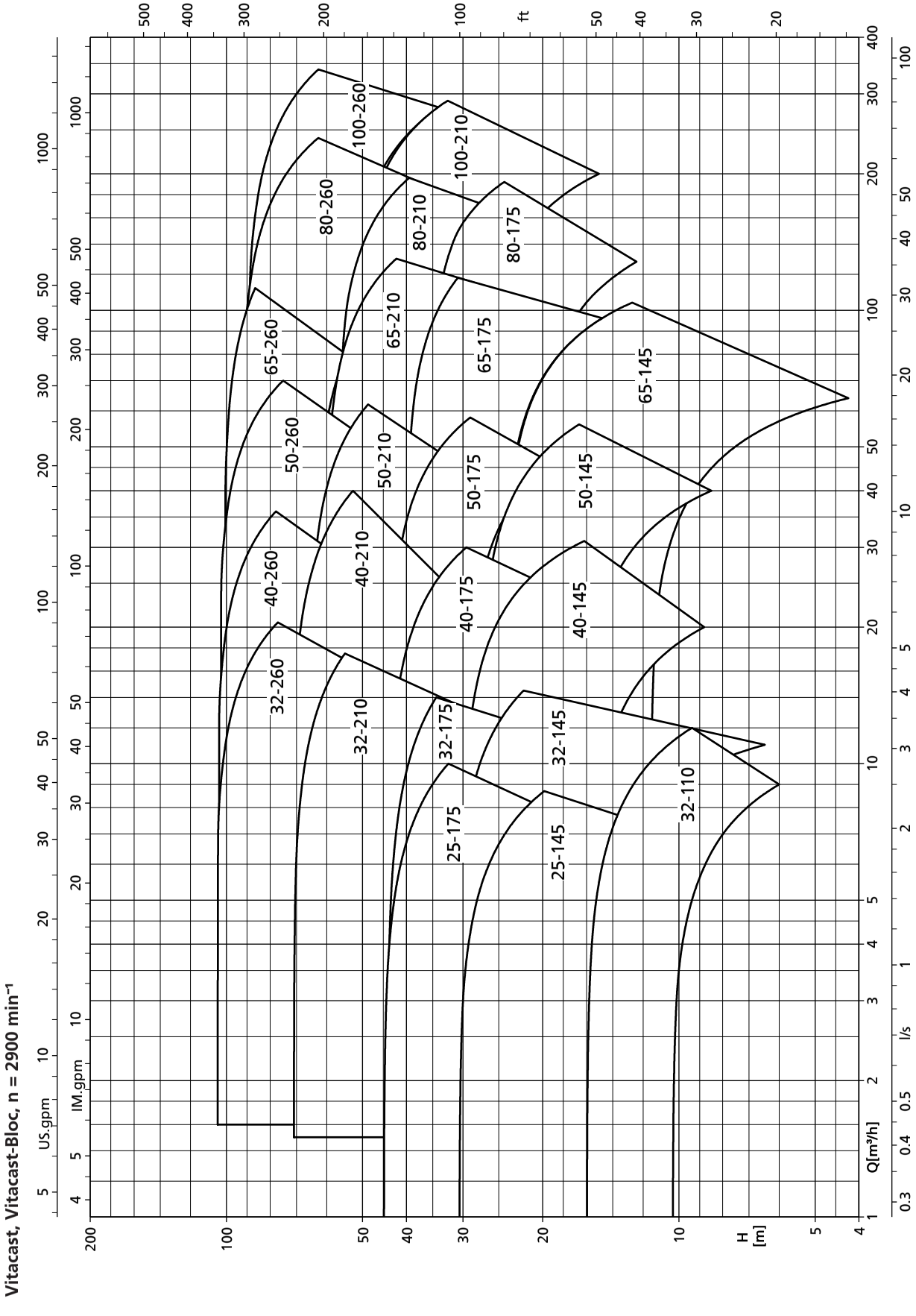
Kennfelder

Vitacast, Vitacast-Bloc, n = 1450 min⁻¹

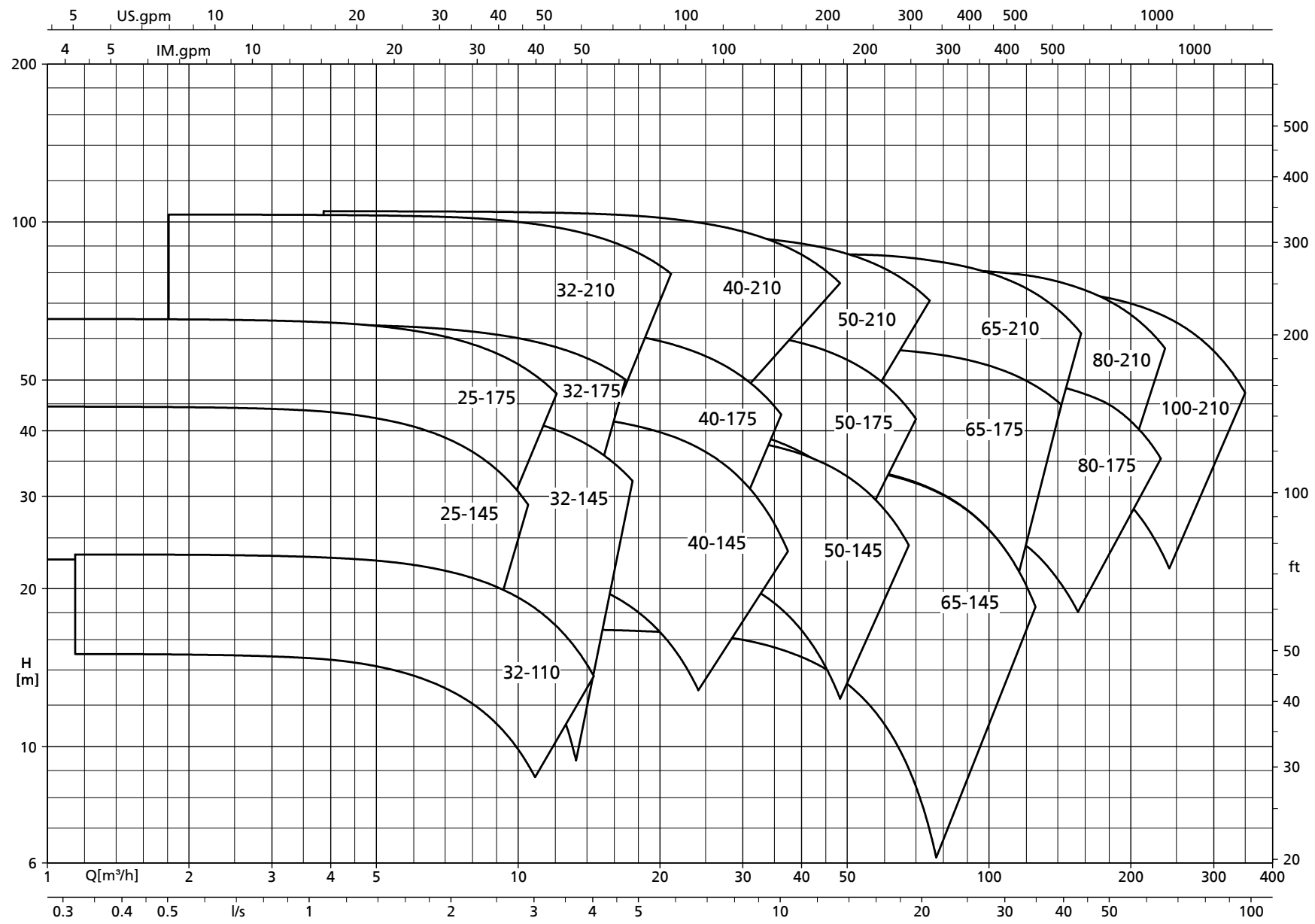


Vitacast, Vitacast-Bloc, n = 1750 min⁻¹




Vitacast, Vitacast-Bloc, n = 2900 min⁻¹
US.gpm
IM.gpm
Q[m³/h]
l/s
H [m]
ft
100-260
100-210
80-260
80-210
80-175
65-260
65-210
65-175
65-145
50-260
50-210
50-175
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32-110
25-175
25-145

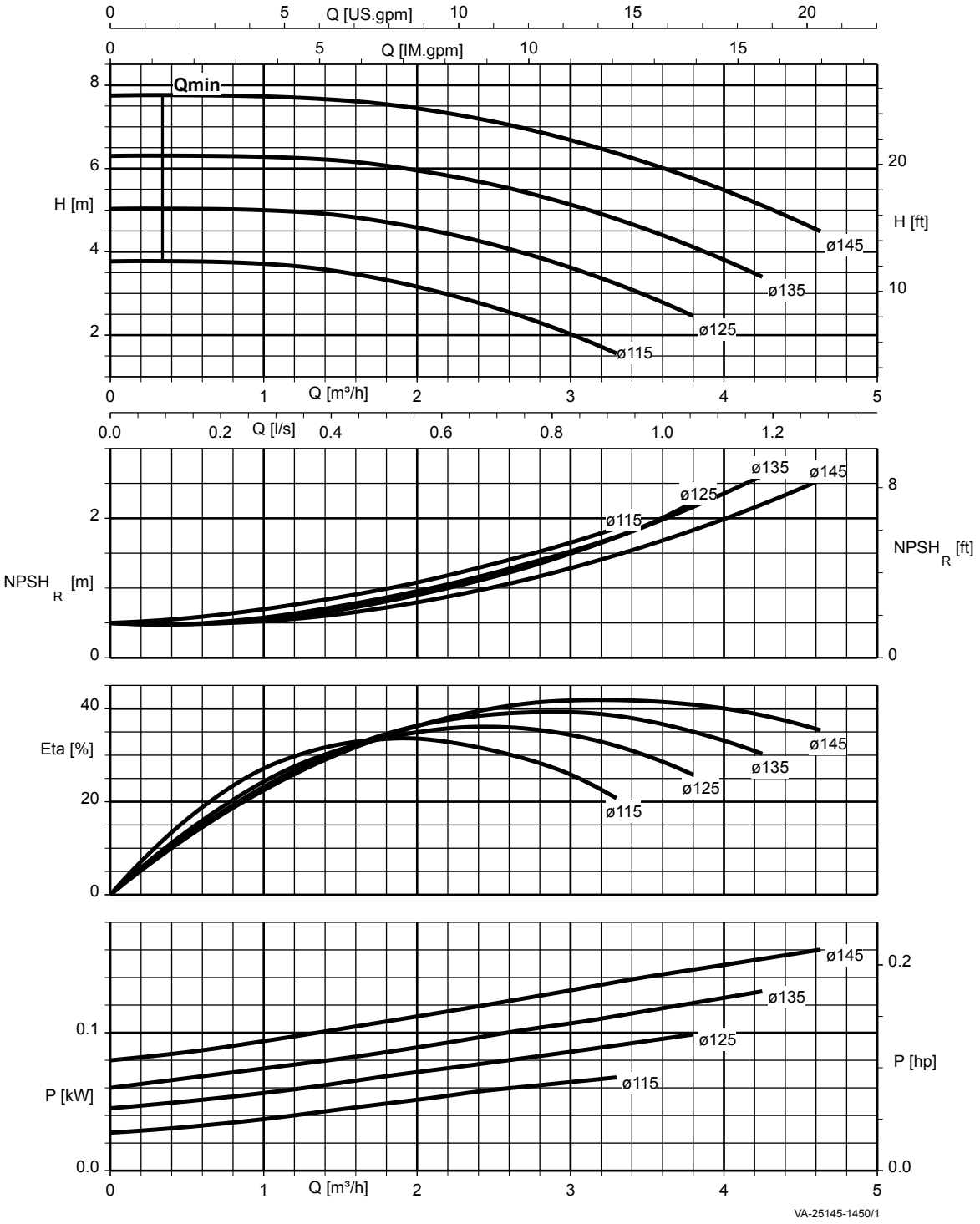
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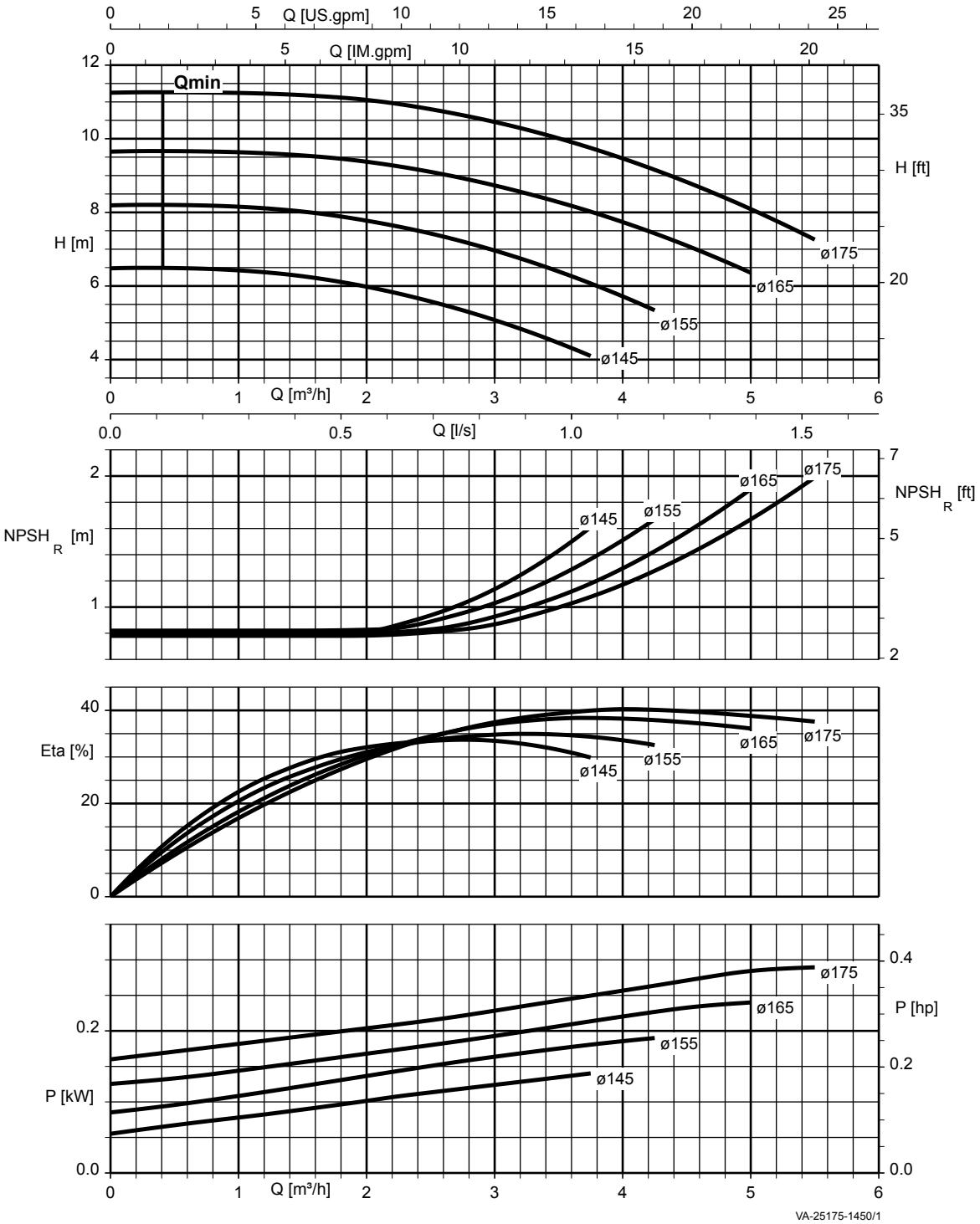
Kennlinien

n = 1450 min⁻¹

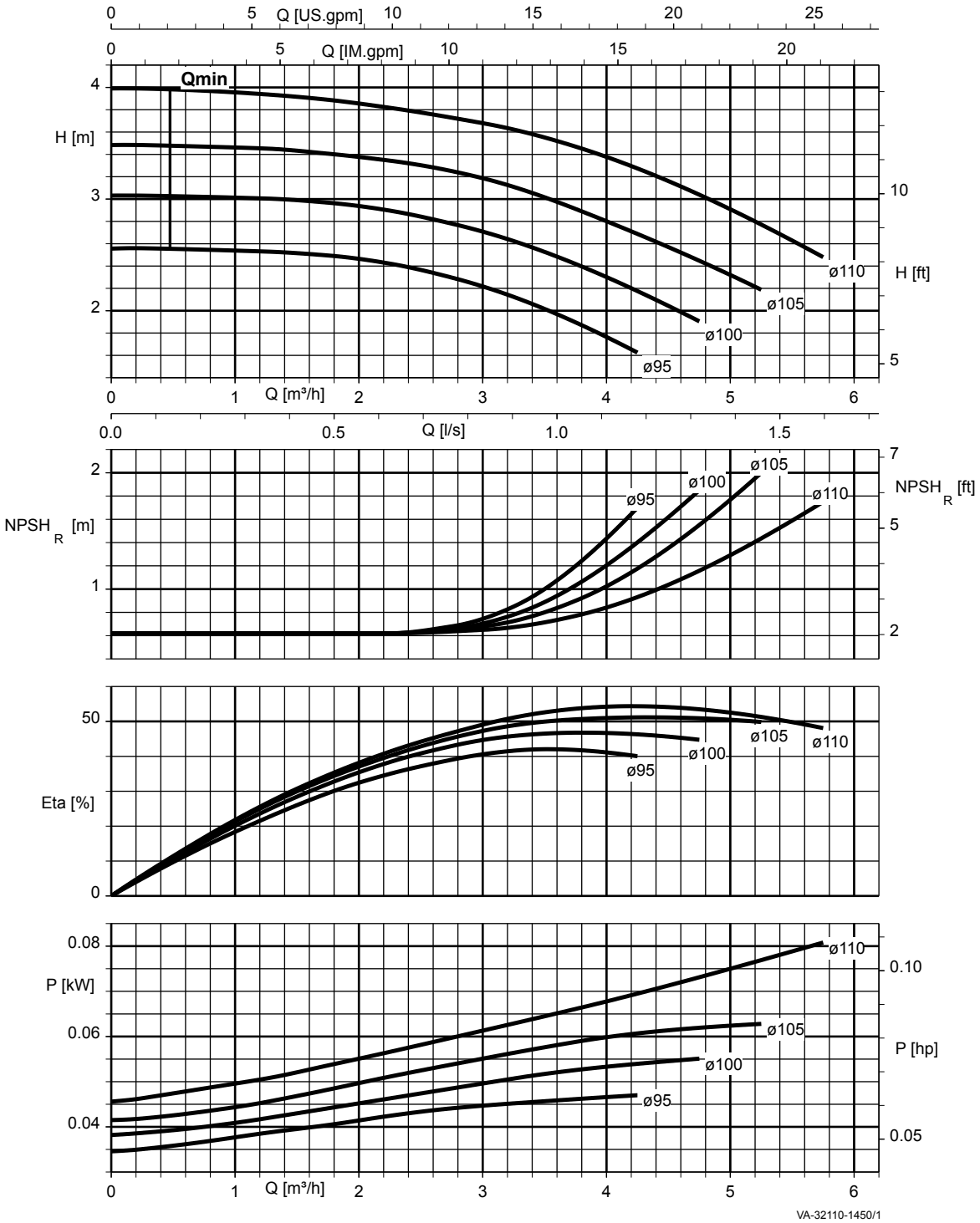
Vitacast 032-025-145, 1450 min⁻¹



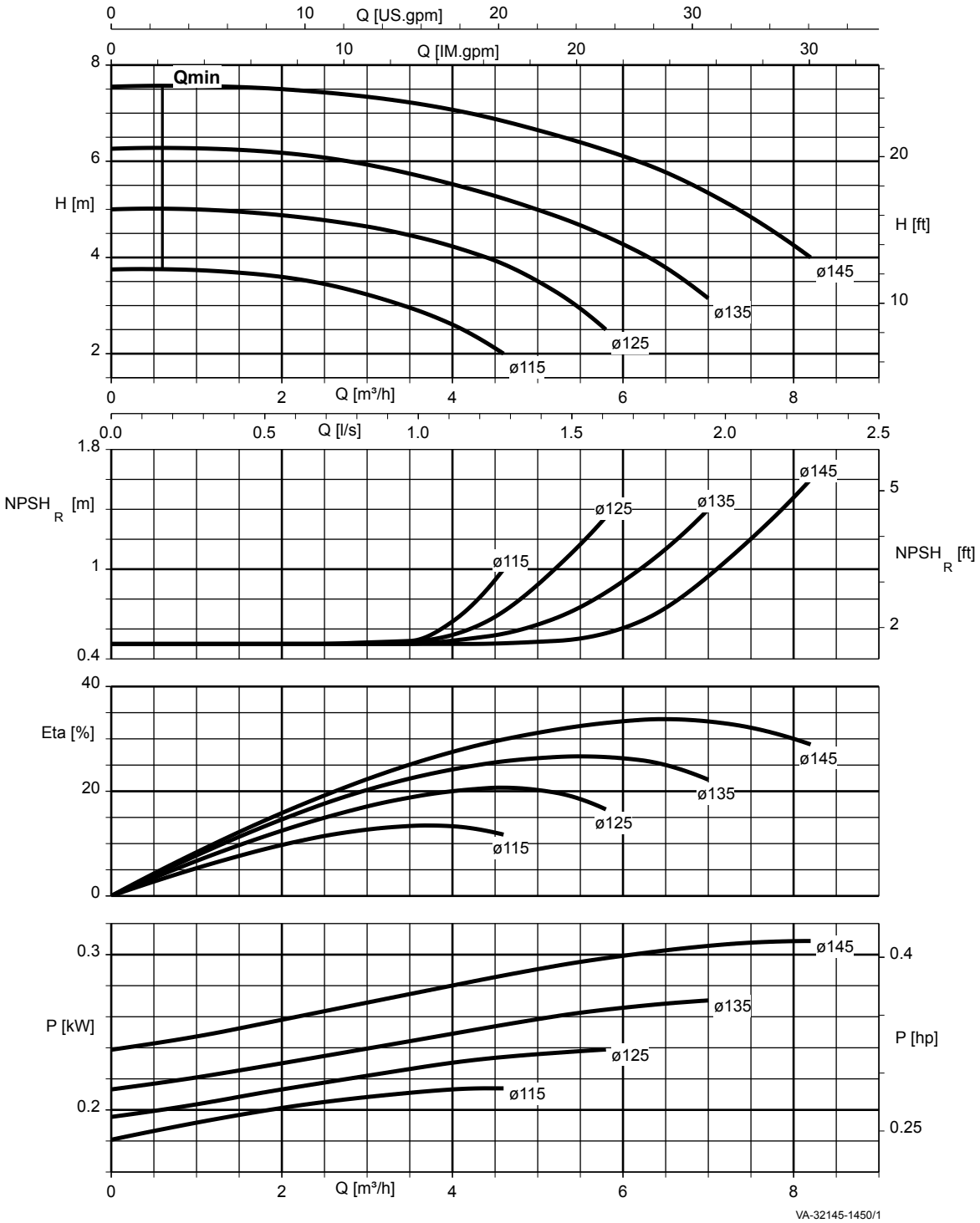
Vitacast 032-025-175, 1450 min⁻¹



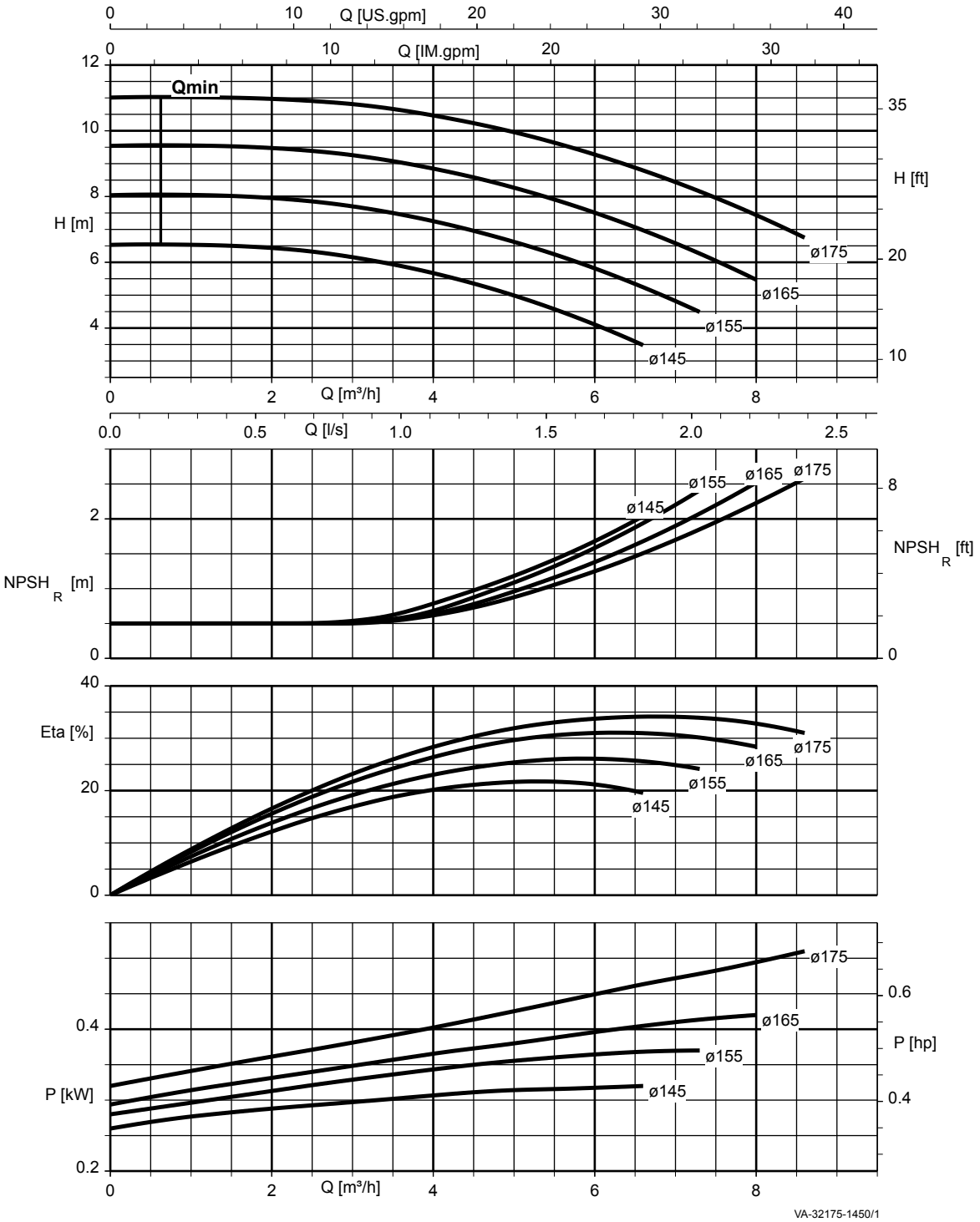
Vitacast 040-032-110, 1450 min⁻¹



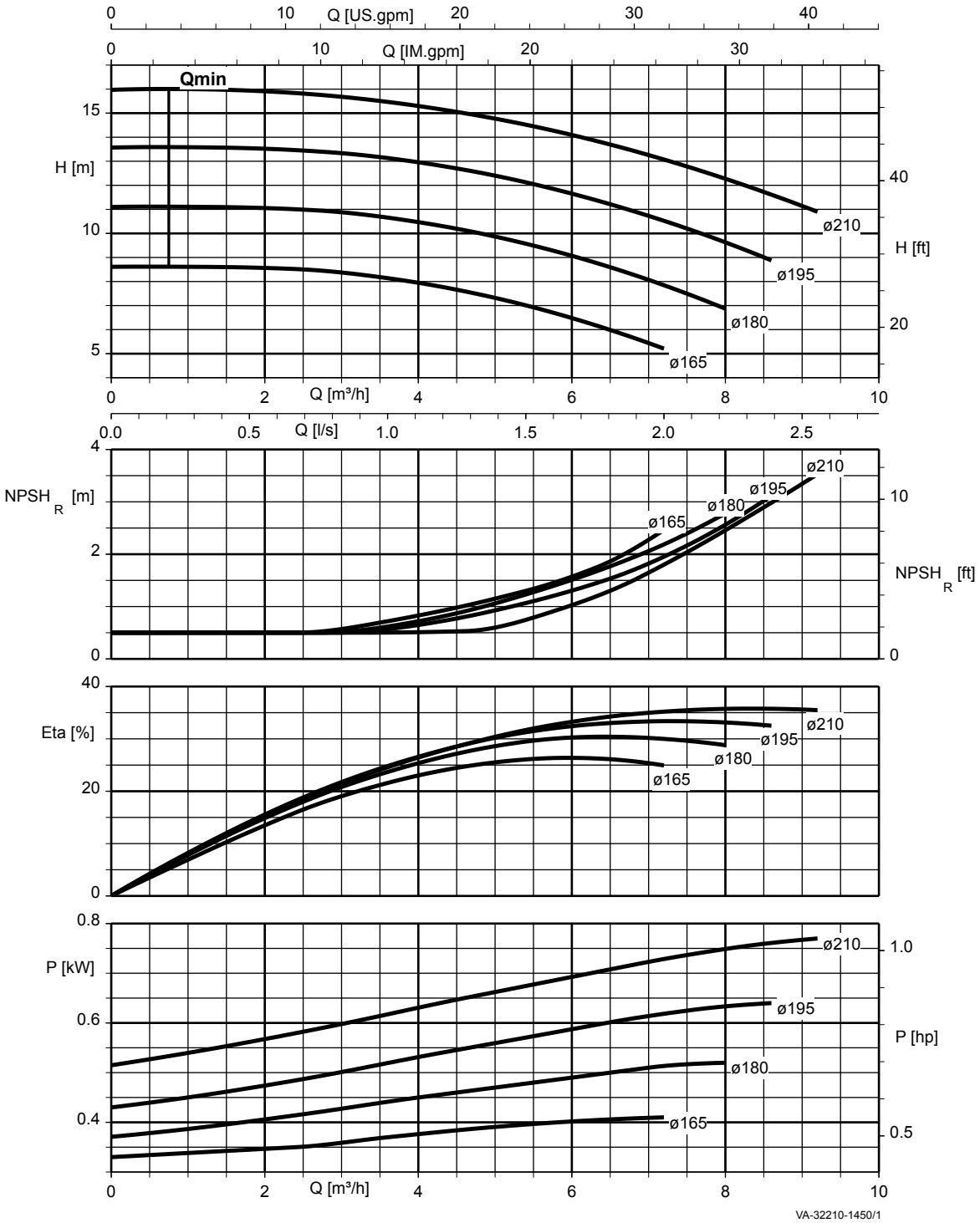
Vitacast 040-032-145, 1450 min⁻¹



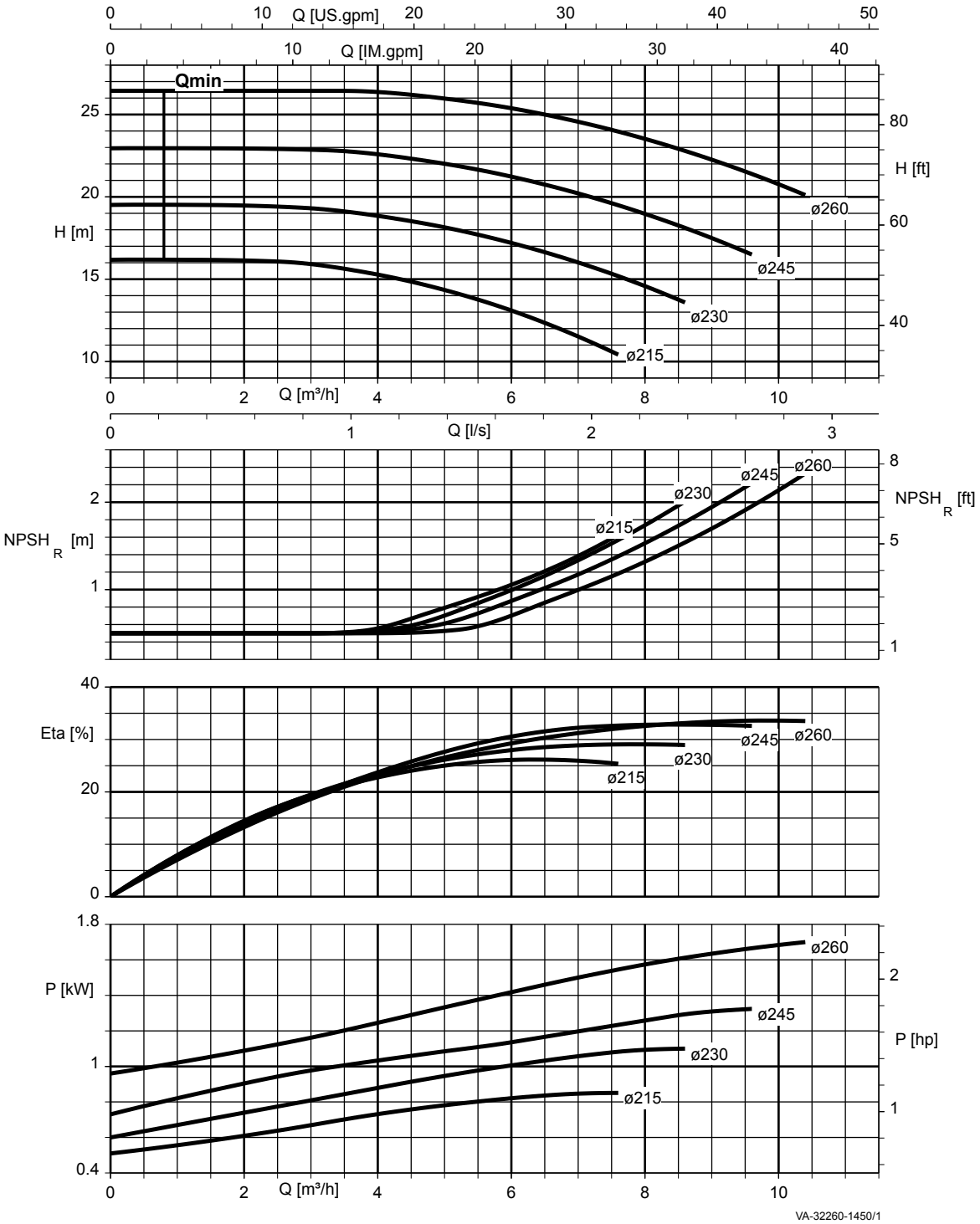
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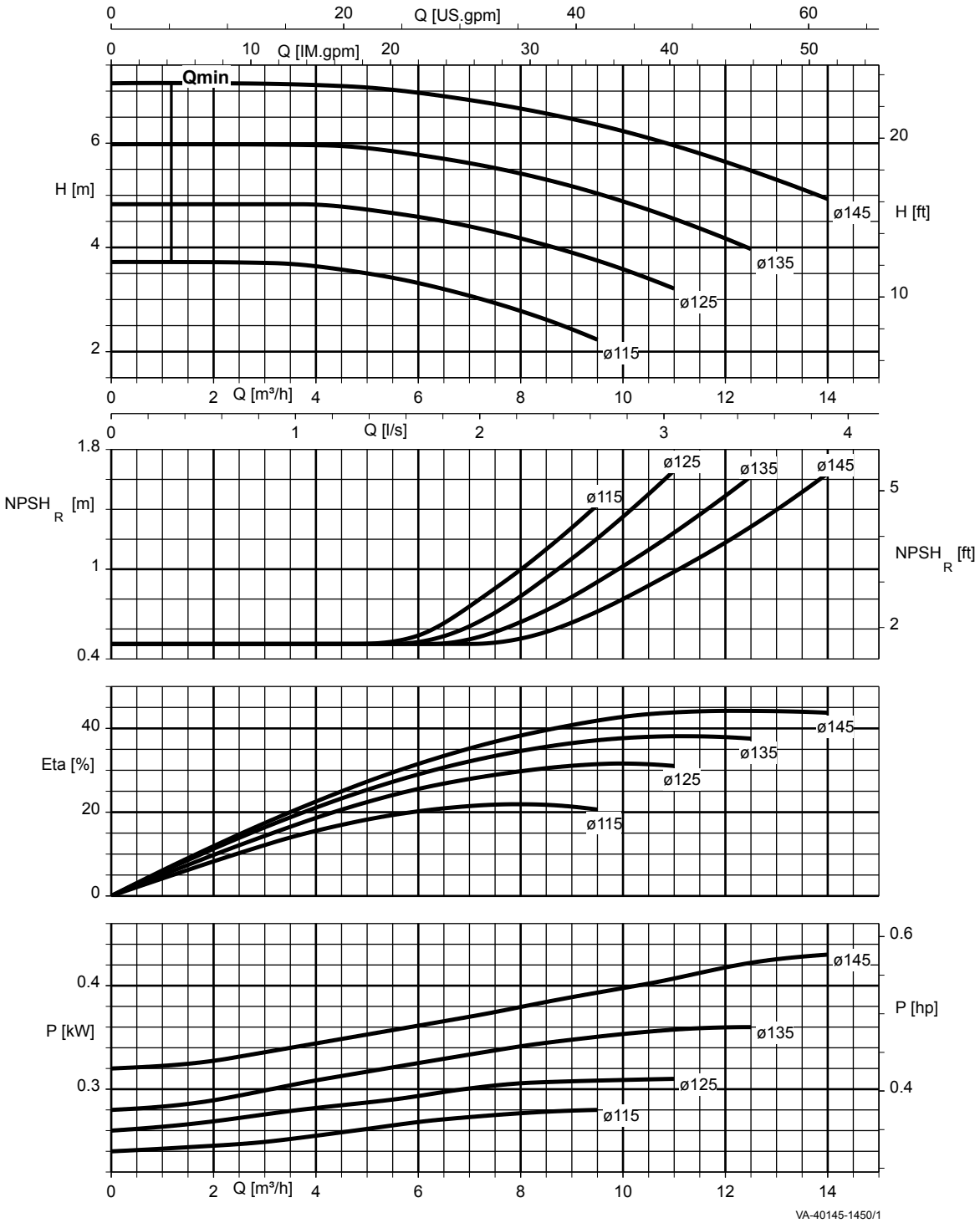
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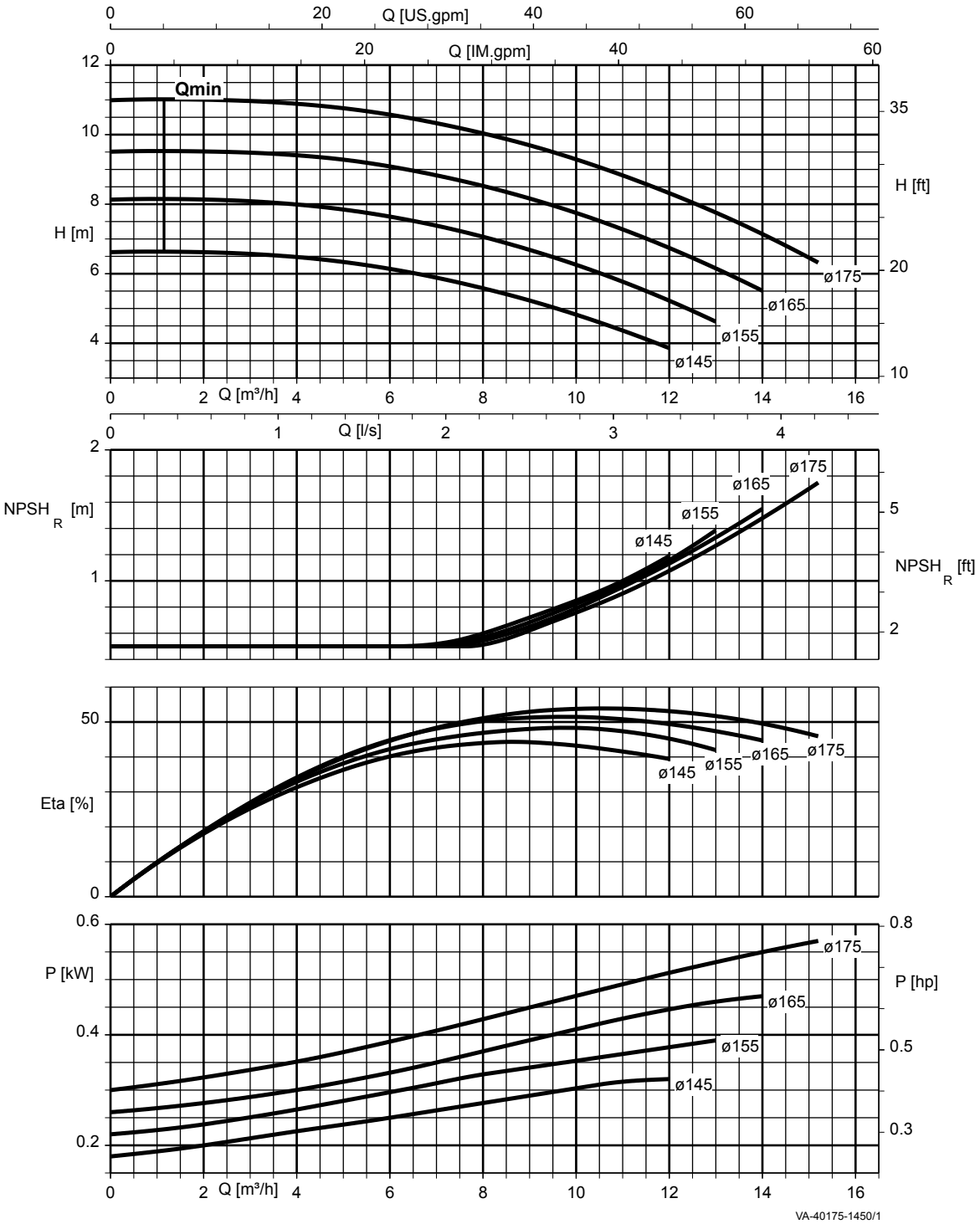
Vitacast 040-032-260, 1450 min⁻¹



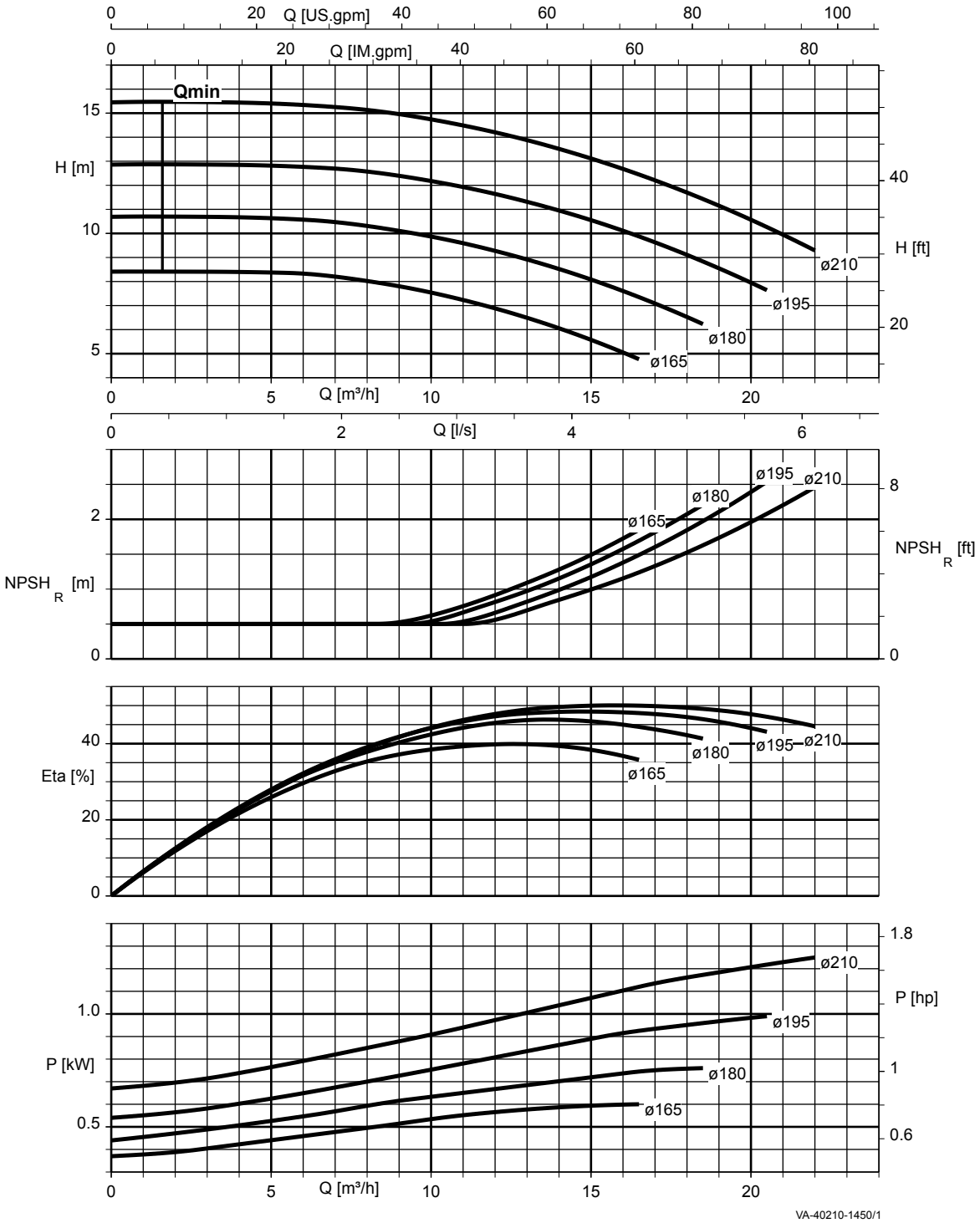
Vitacast 050-040-145, 1450 min⁻¹



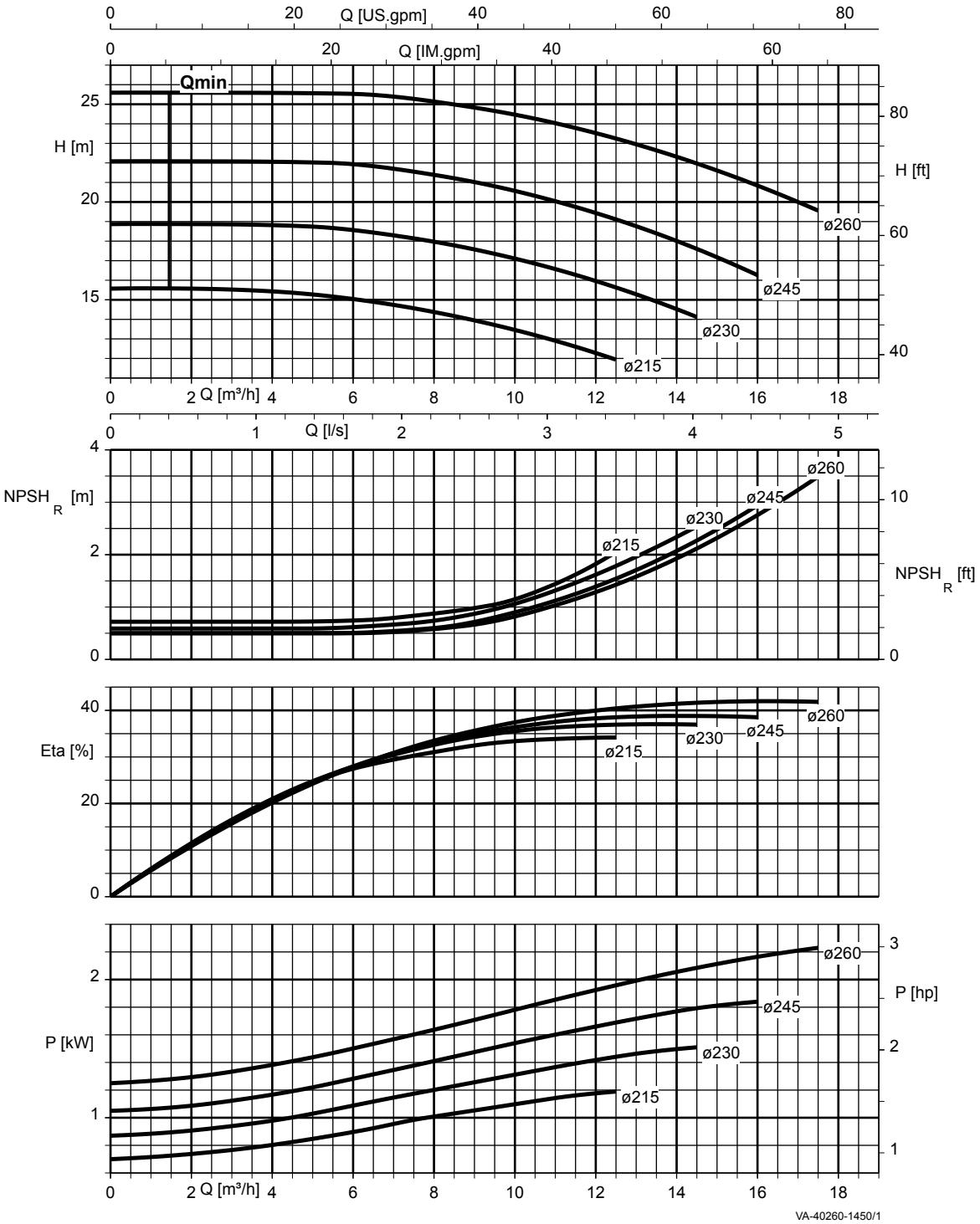
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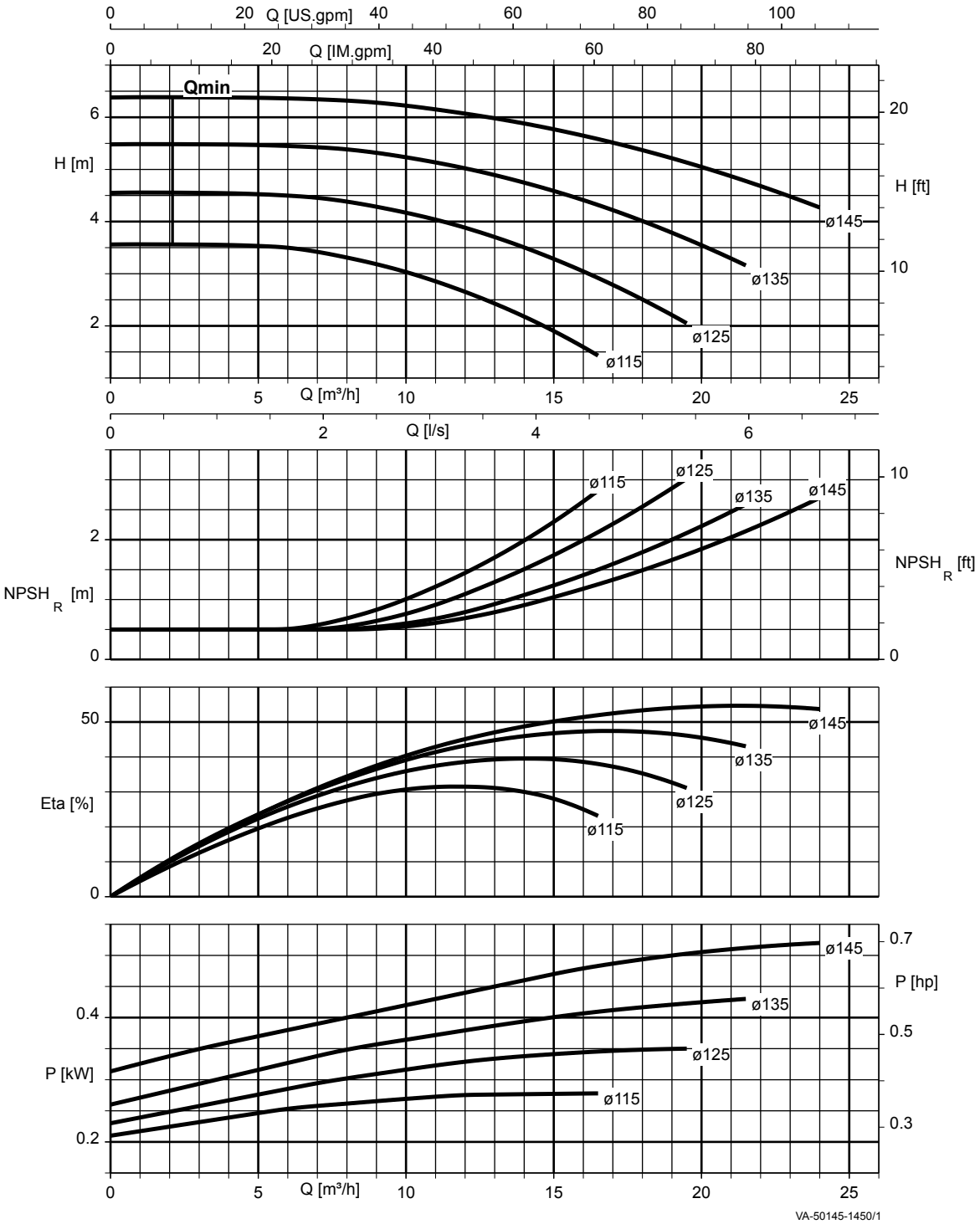
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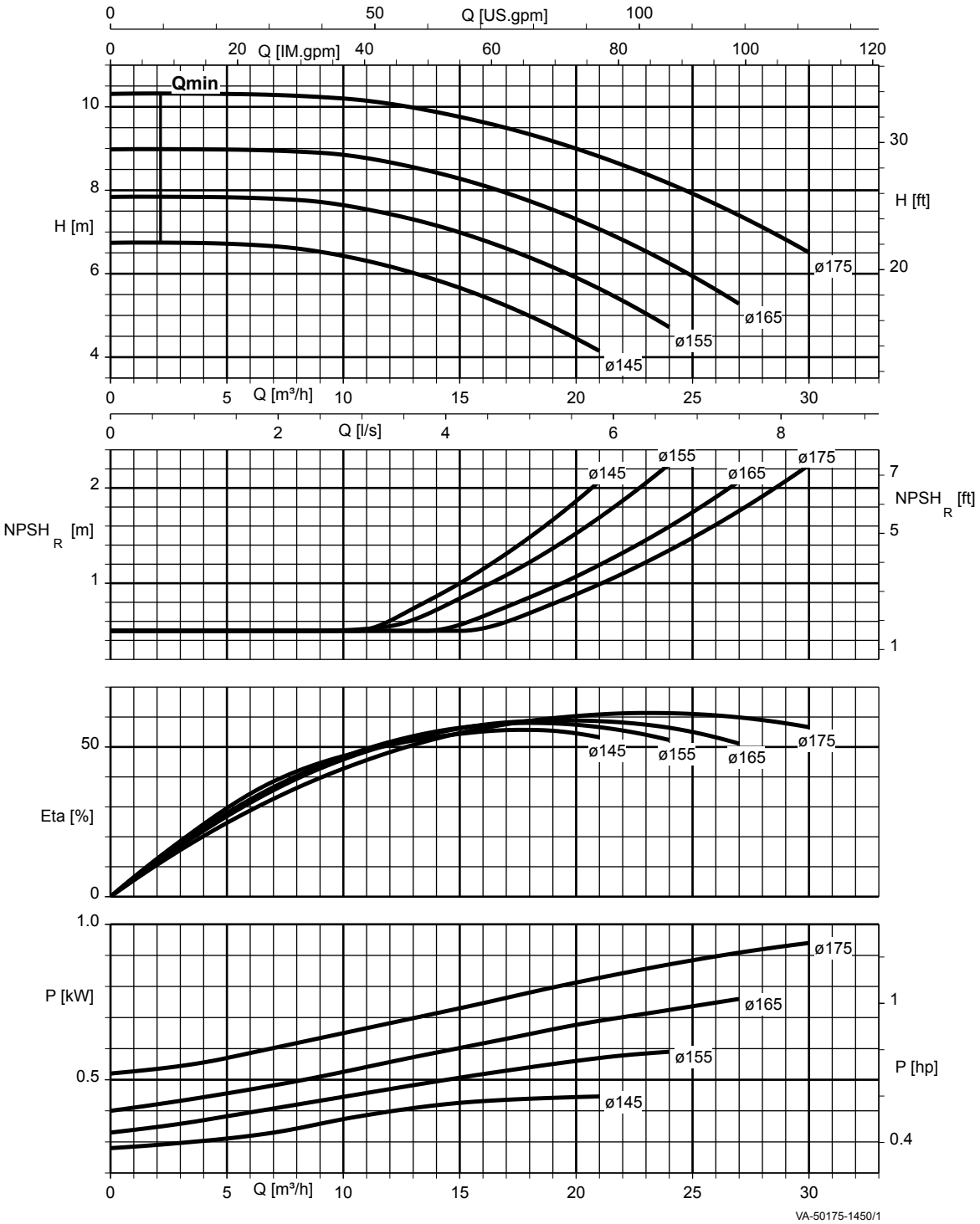
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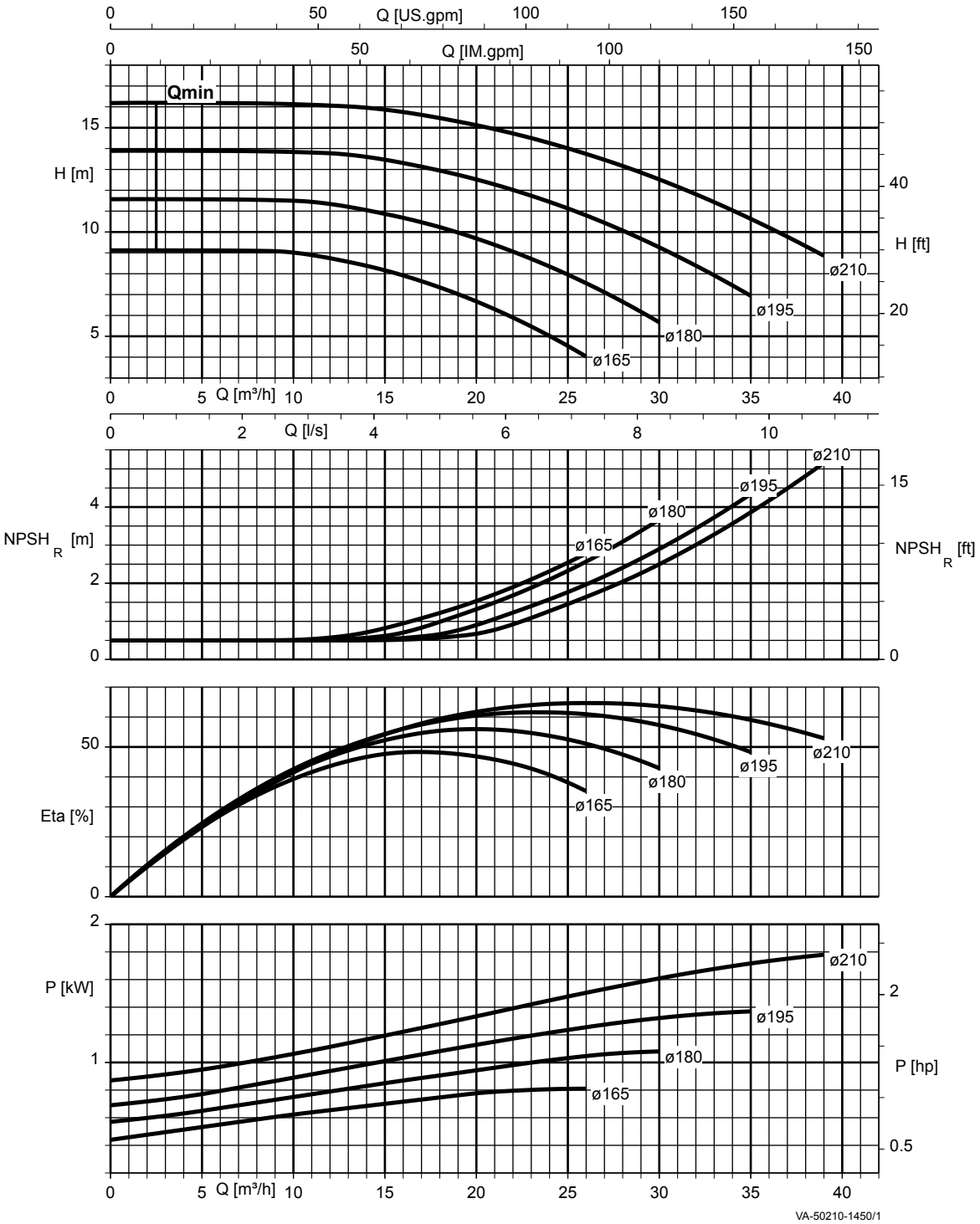
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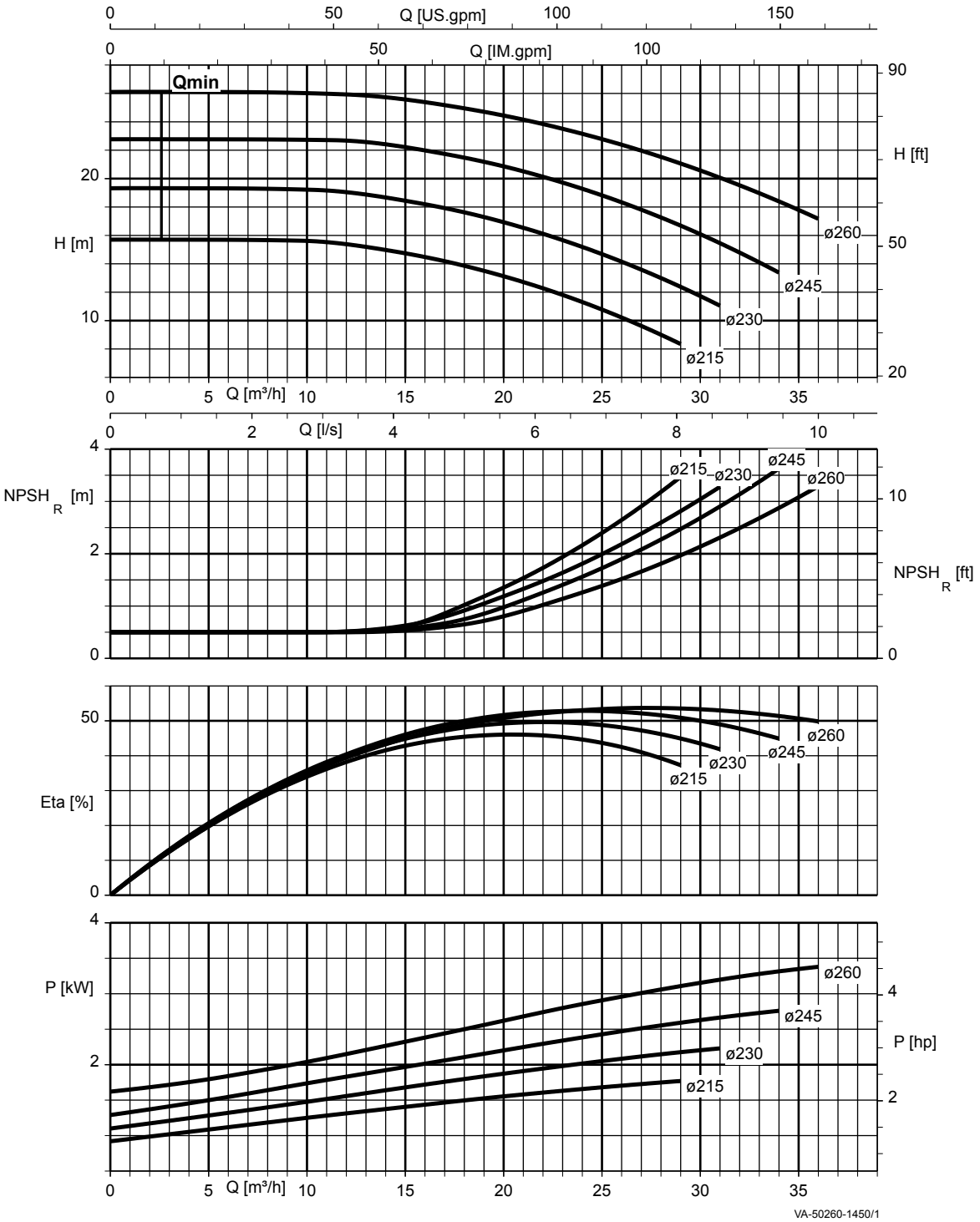
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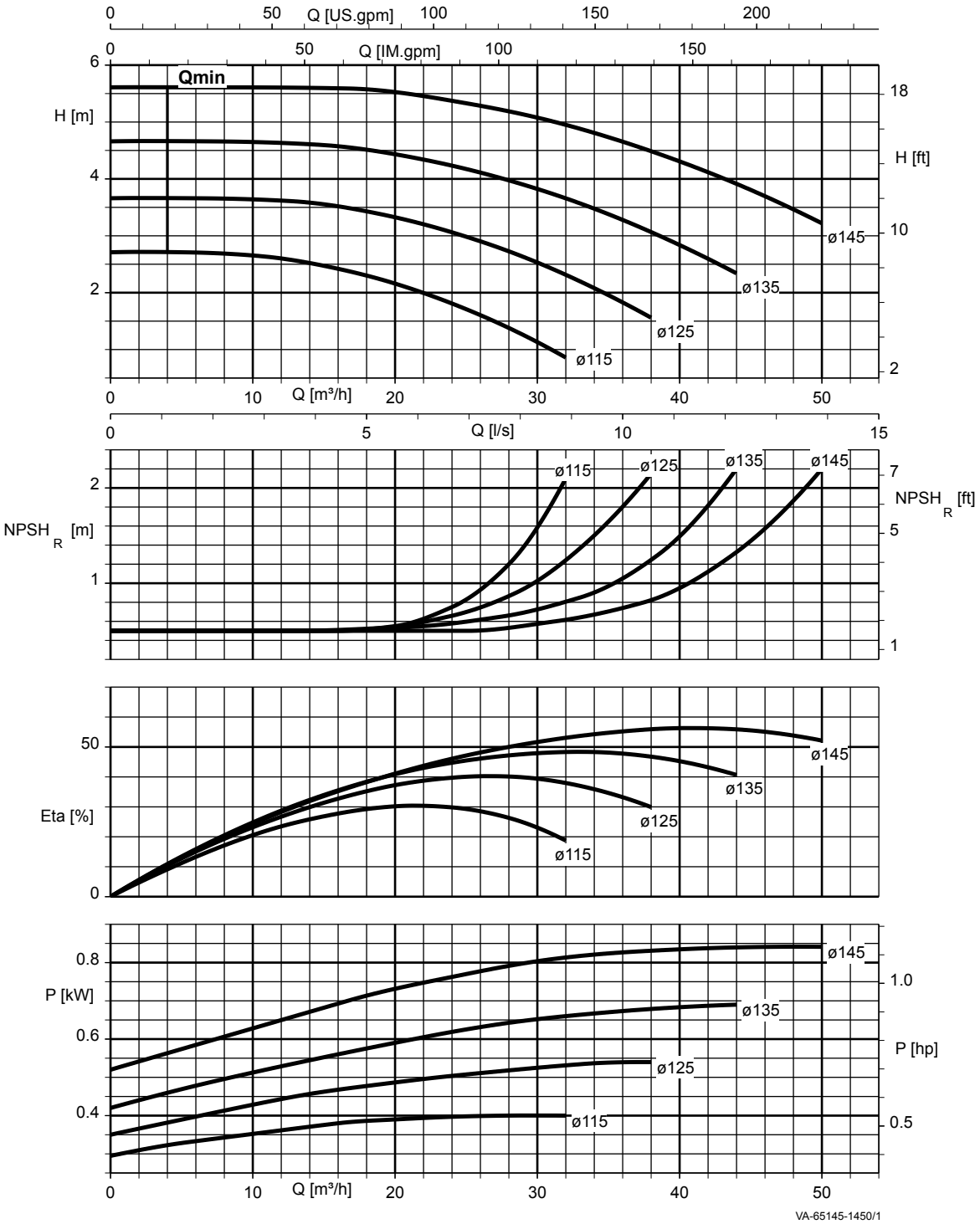
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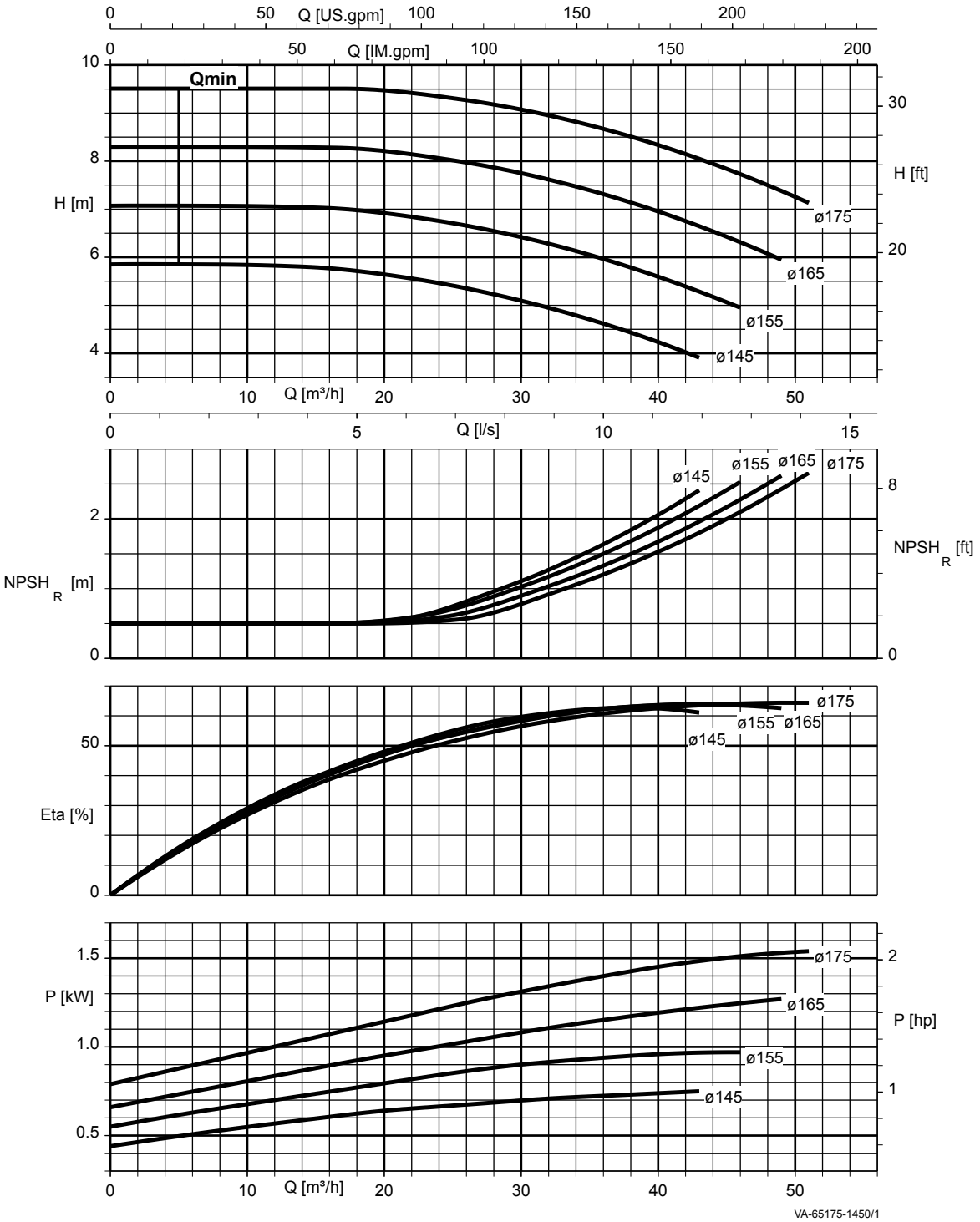
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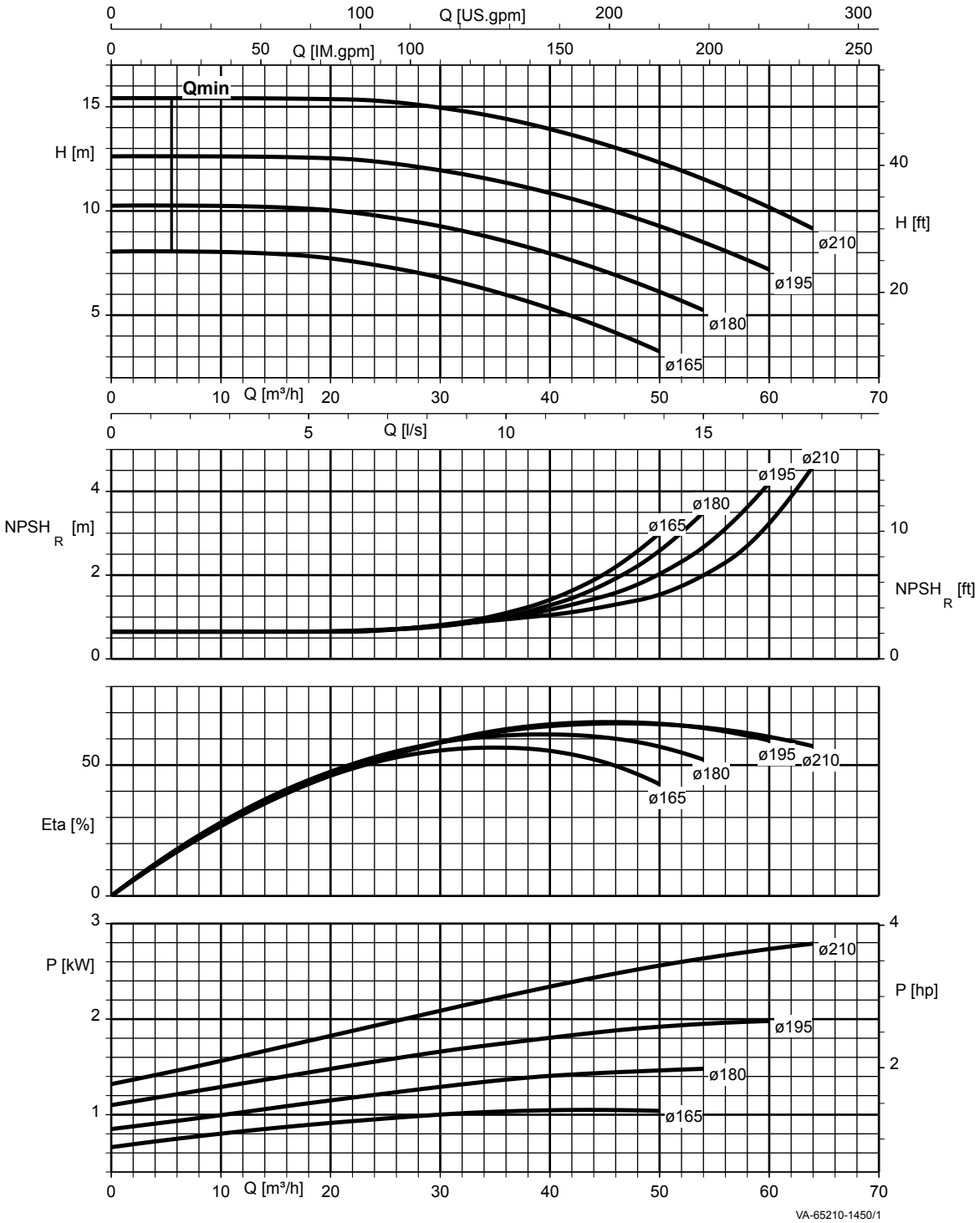
Vitacast 080-065-145, 1450 min⁻¹



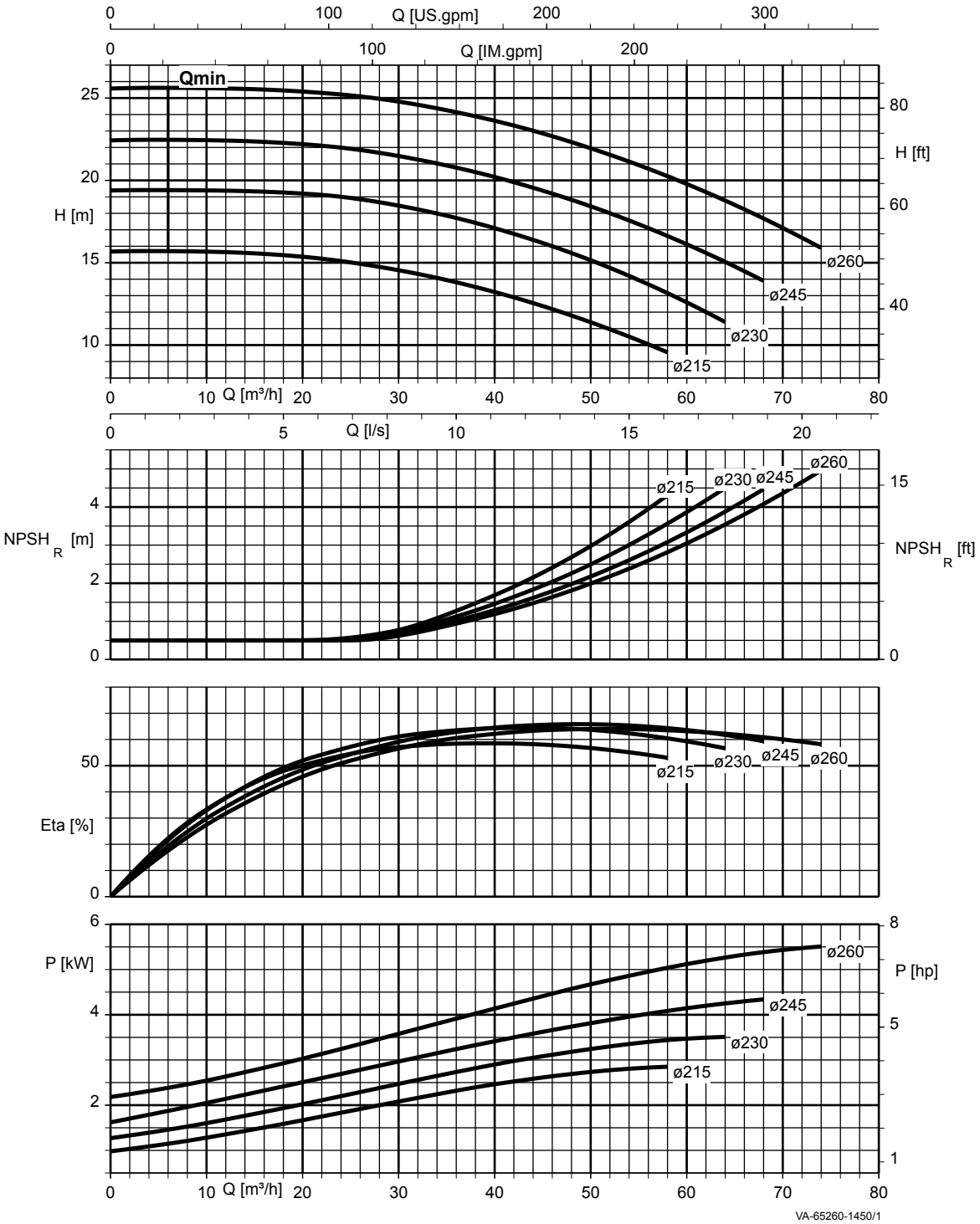
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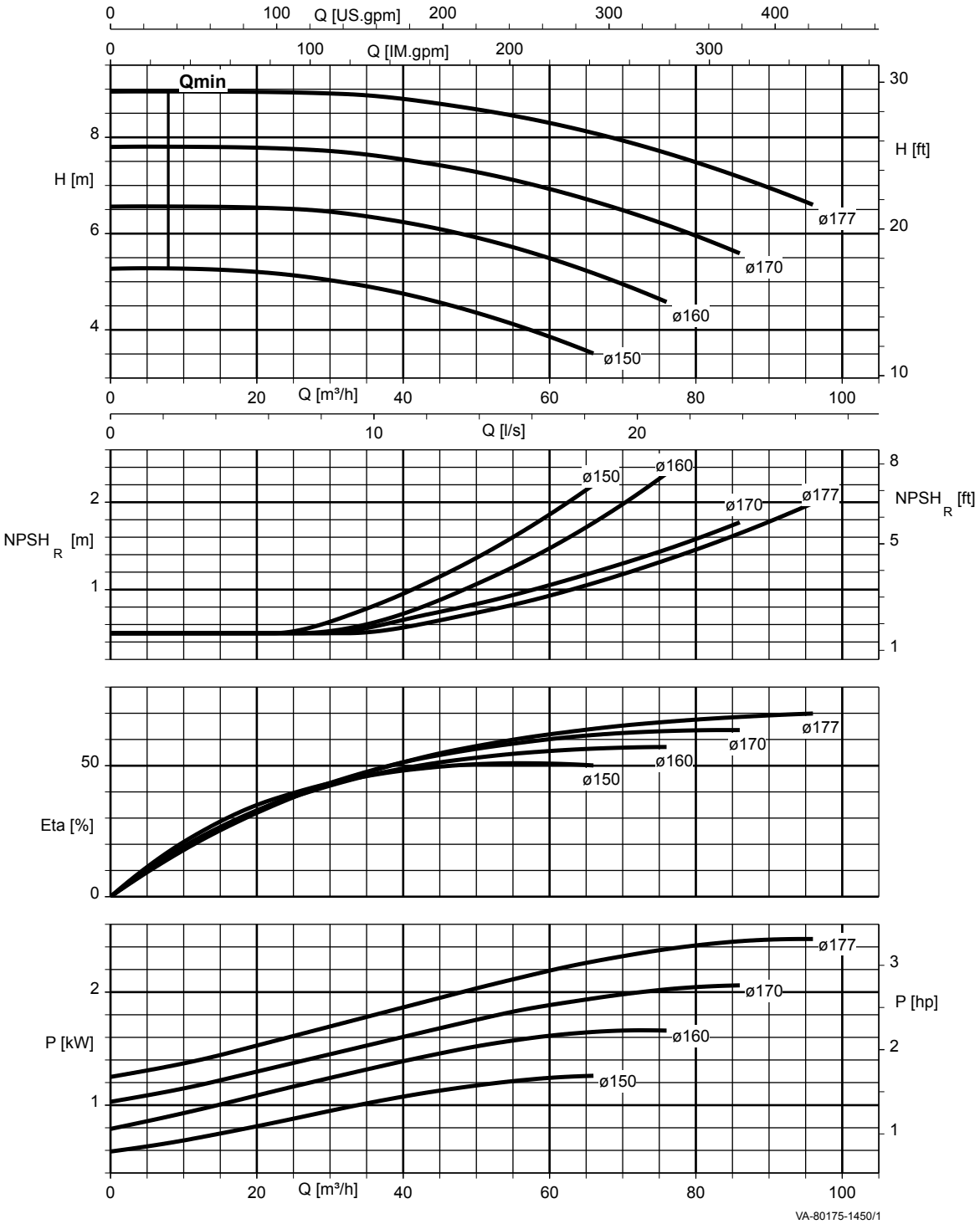
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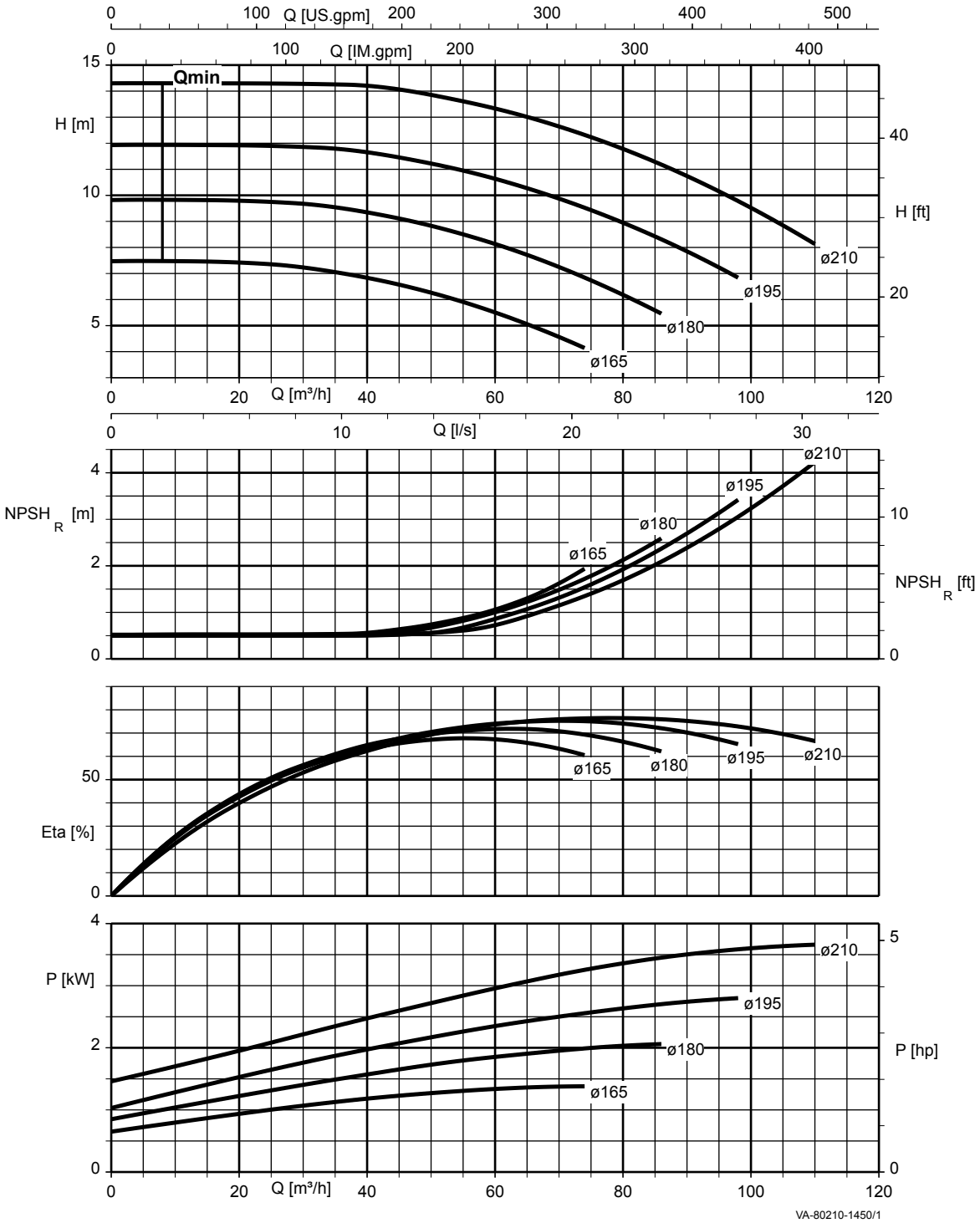
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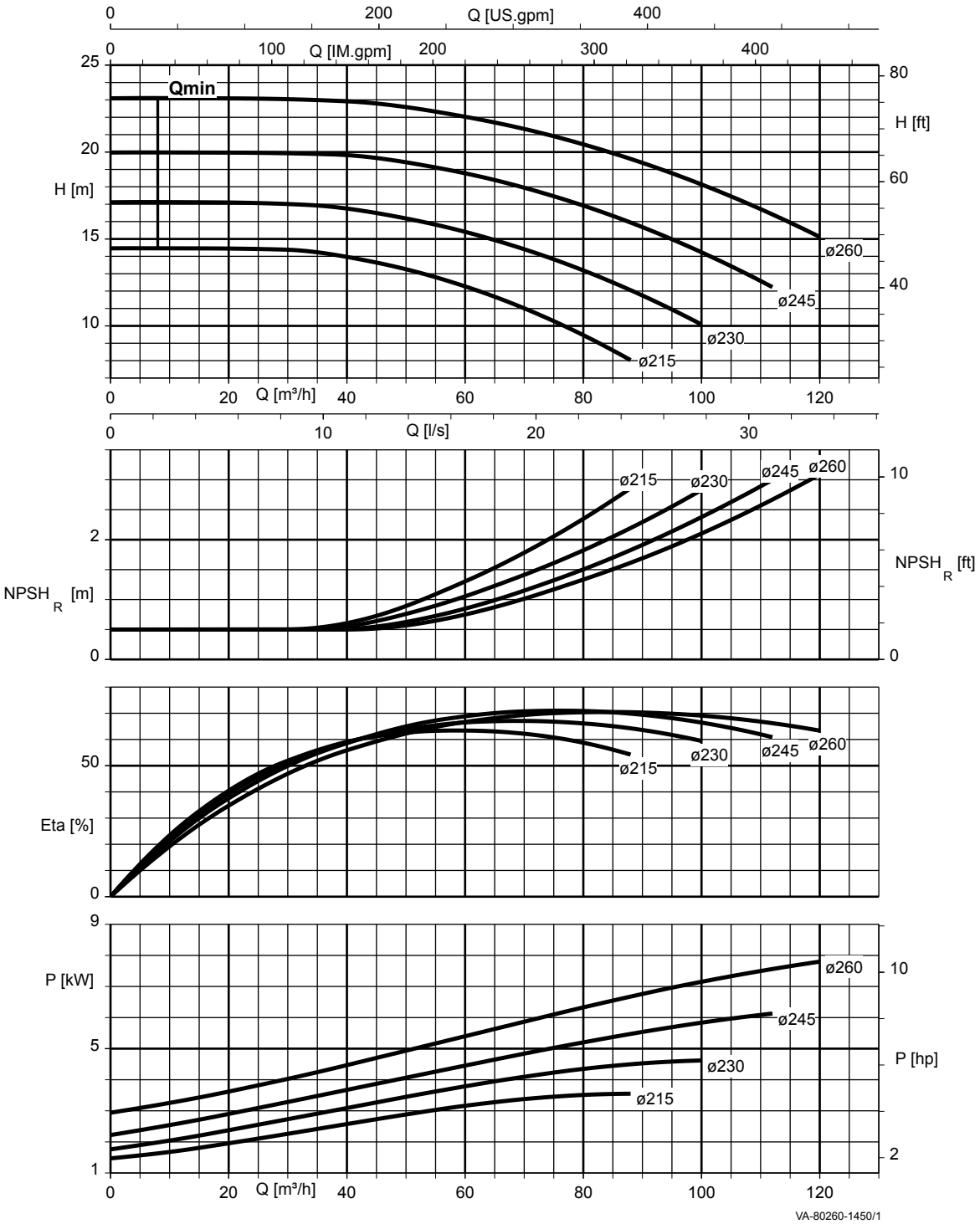
Vitacast 100-080-175, 1450 min⁻¹



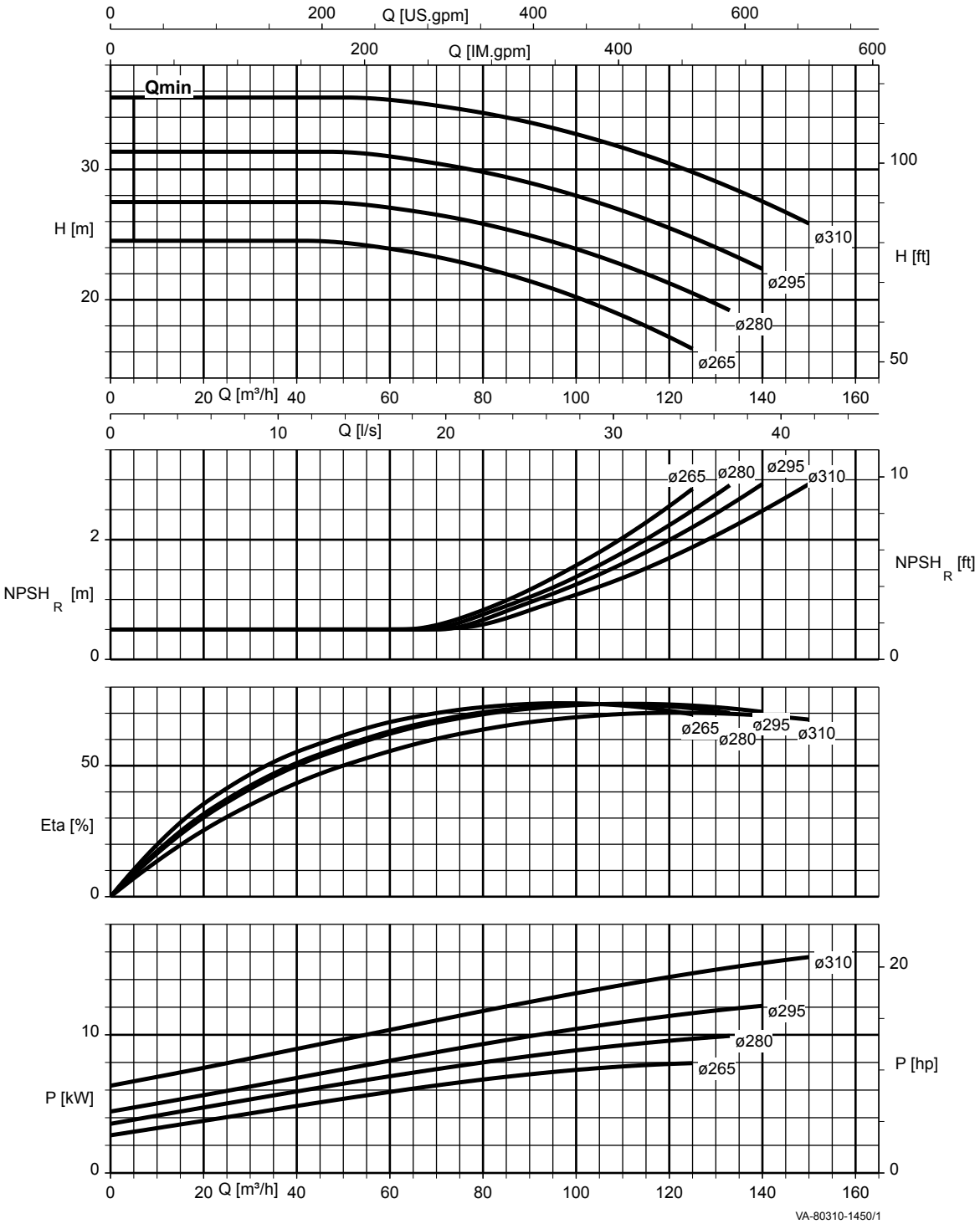
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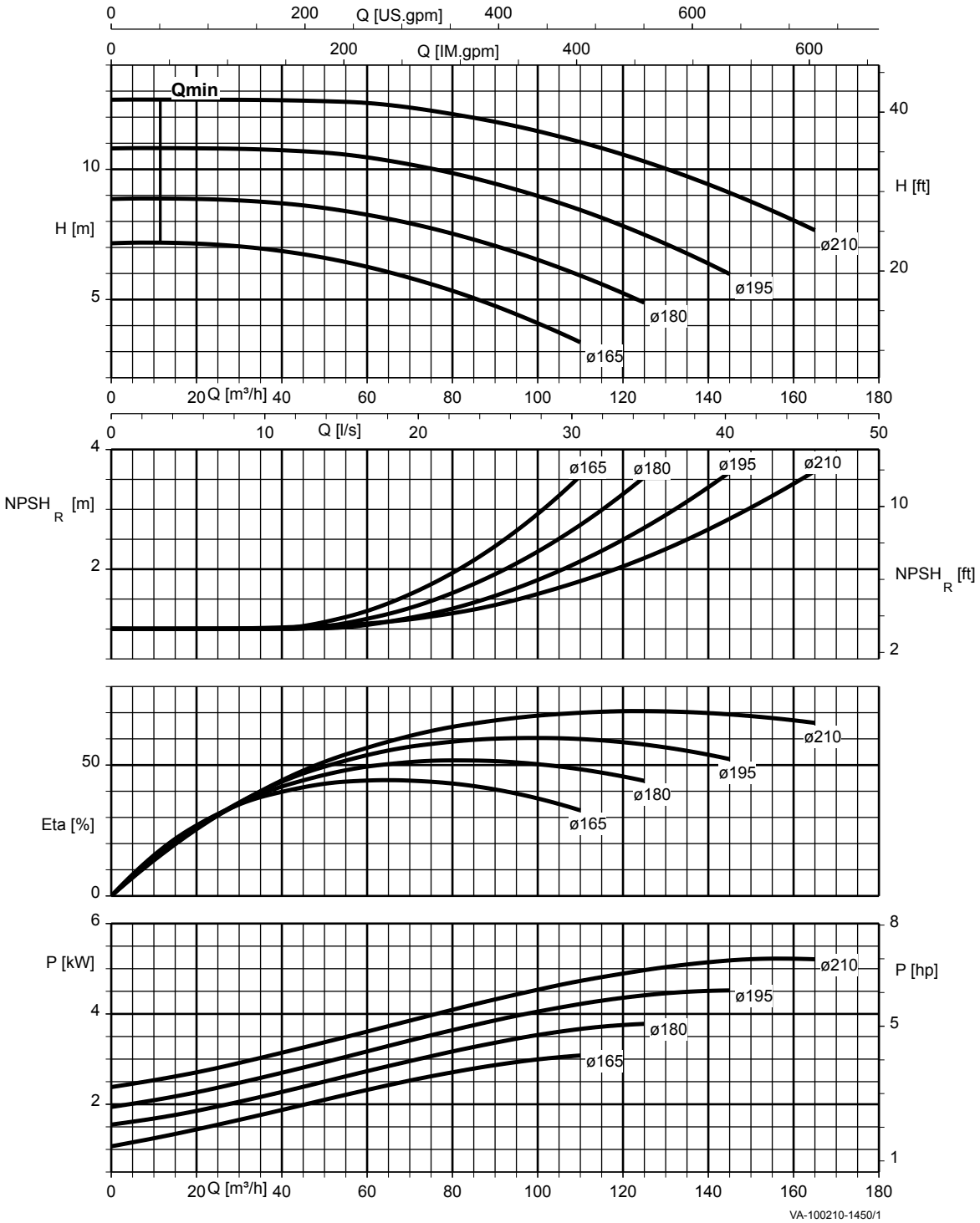
Vitacast 100-080-260, 1450 min⁻¹



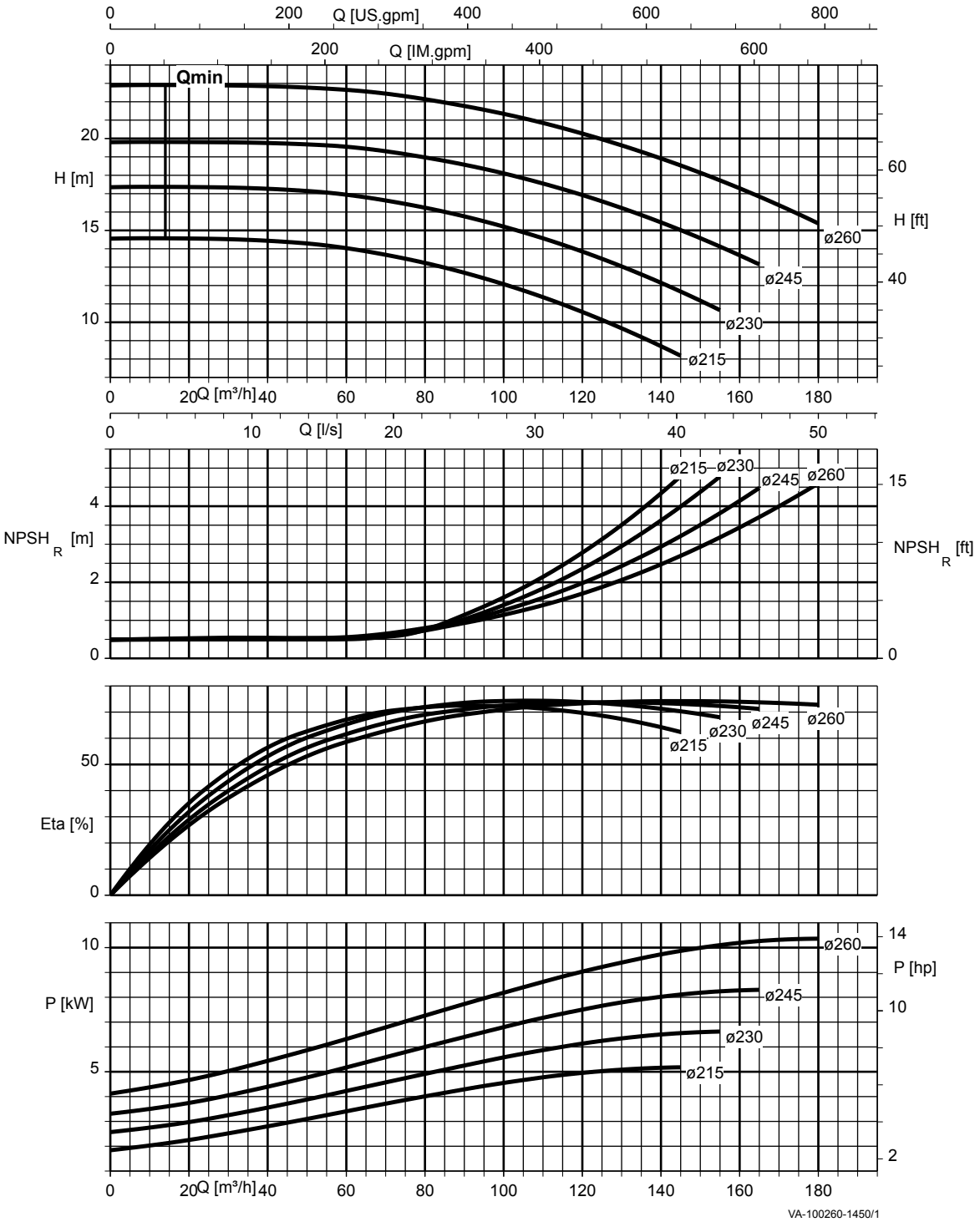
Vitacast 100-080-310, 1450 min⁻¹



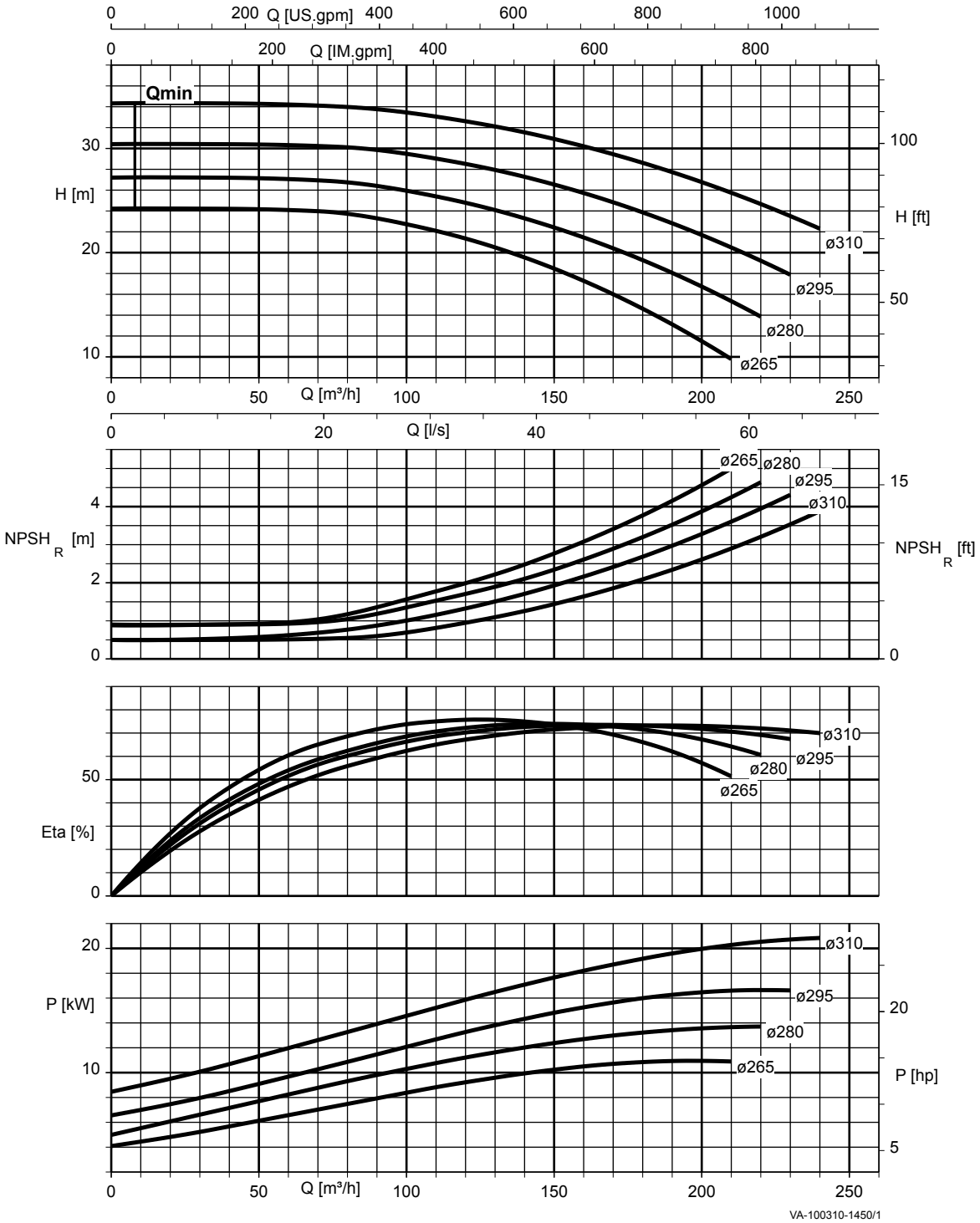
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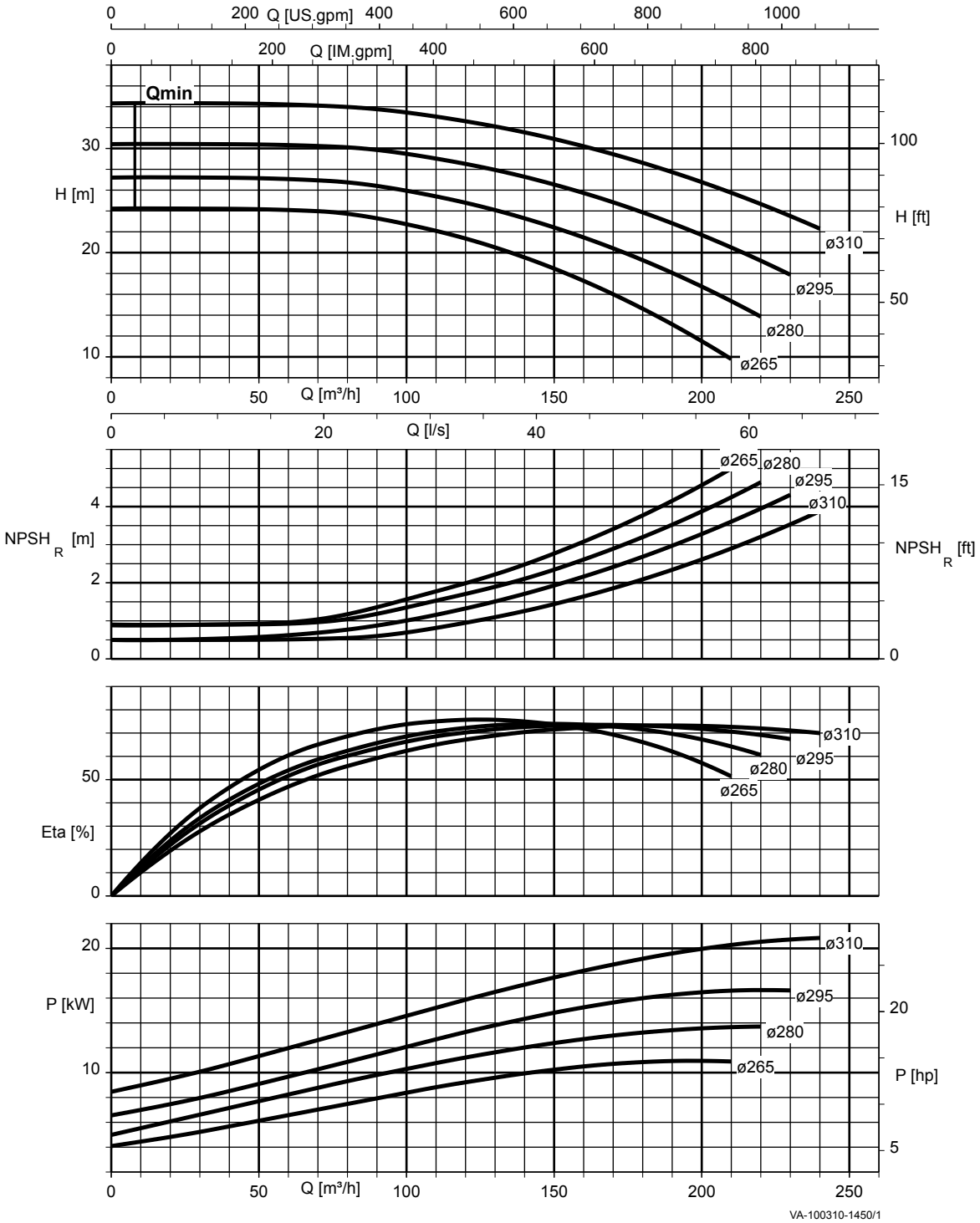
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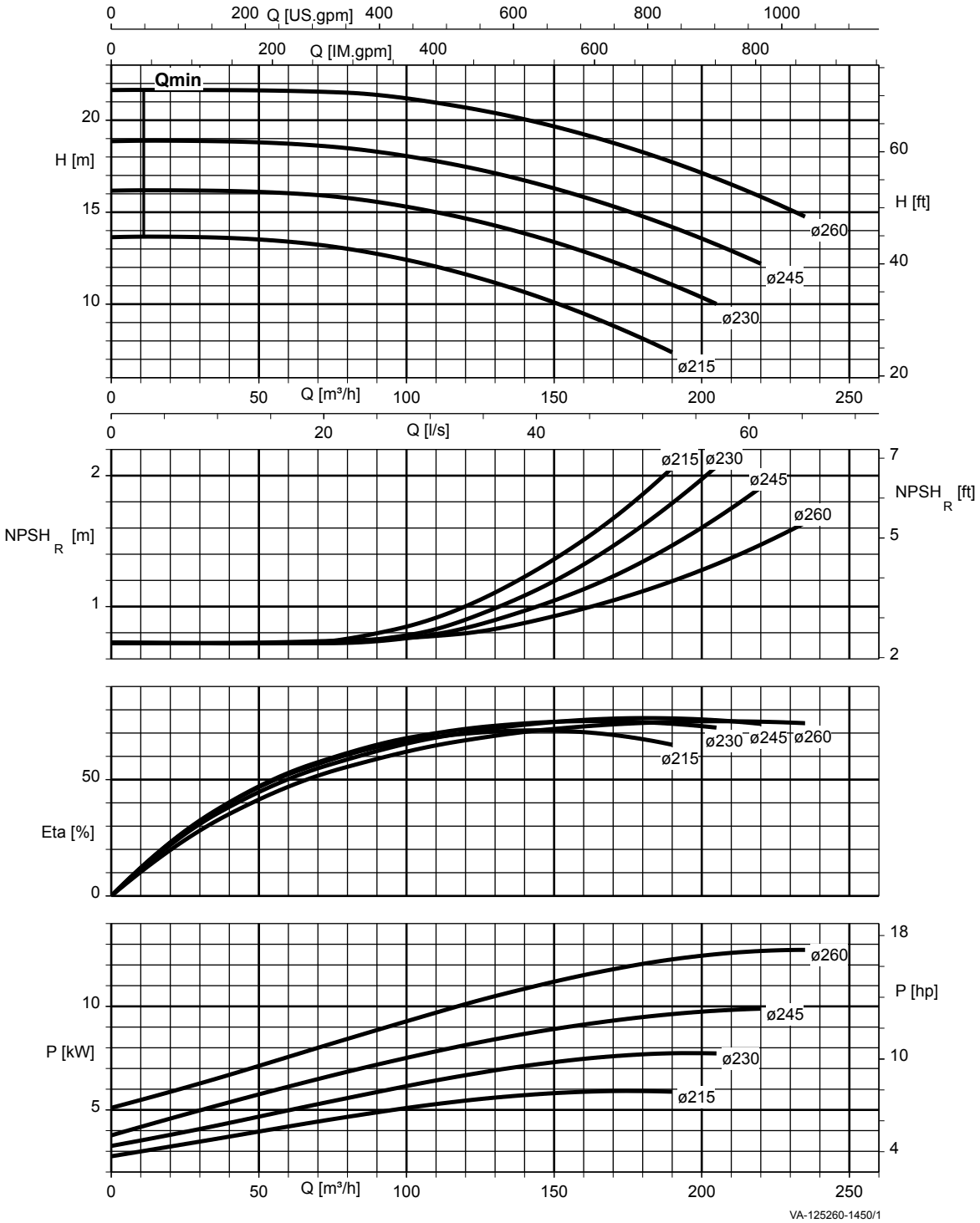
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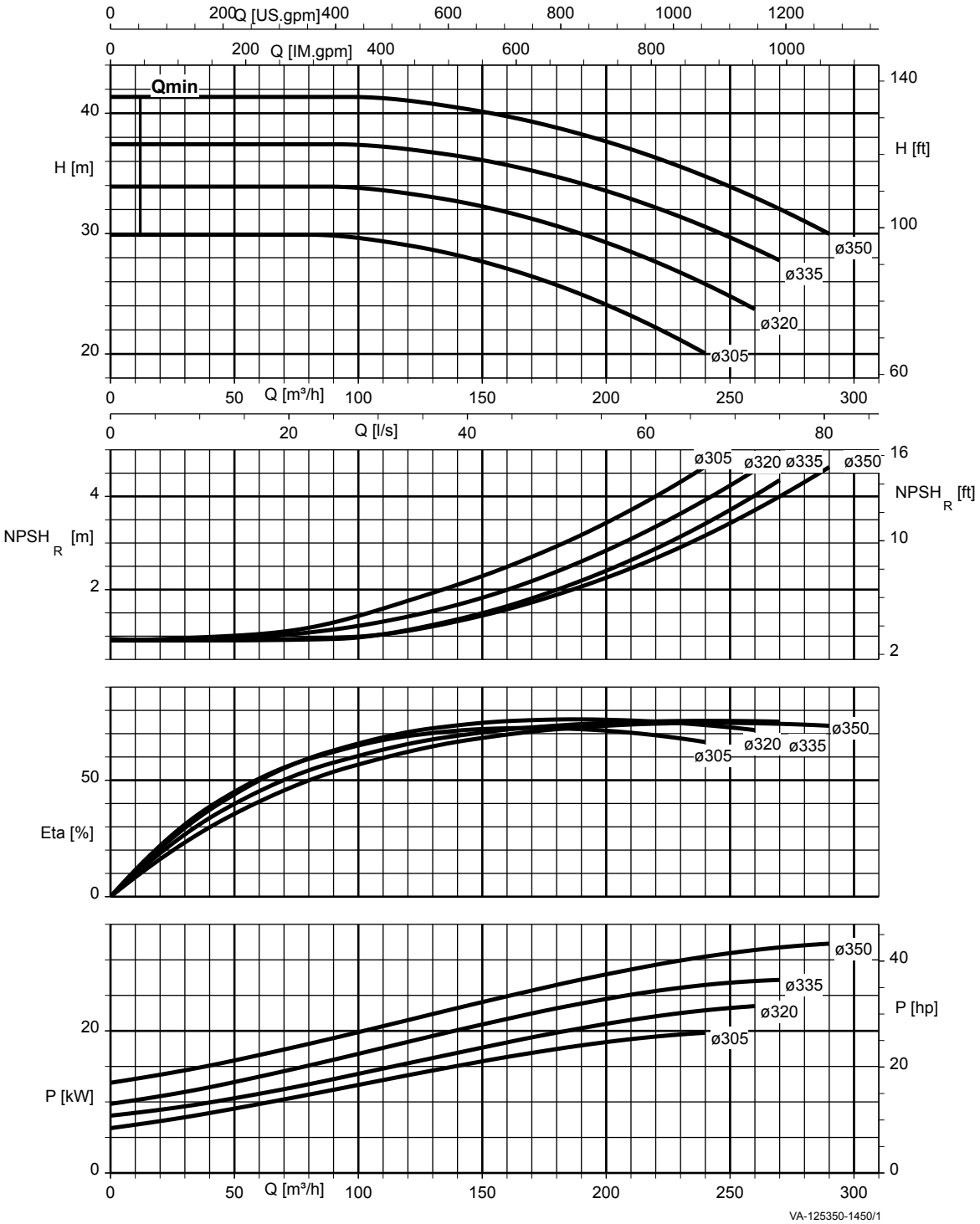
Vitacast 125-100-310, 1450 min⁻¹



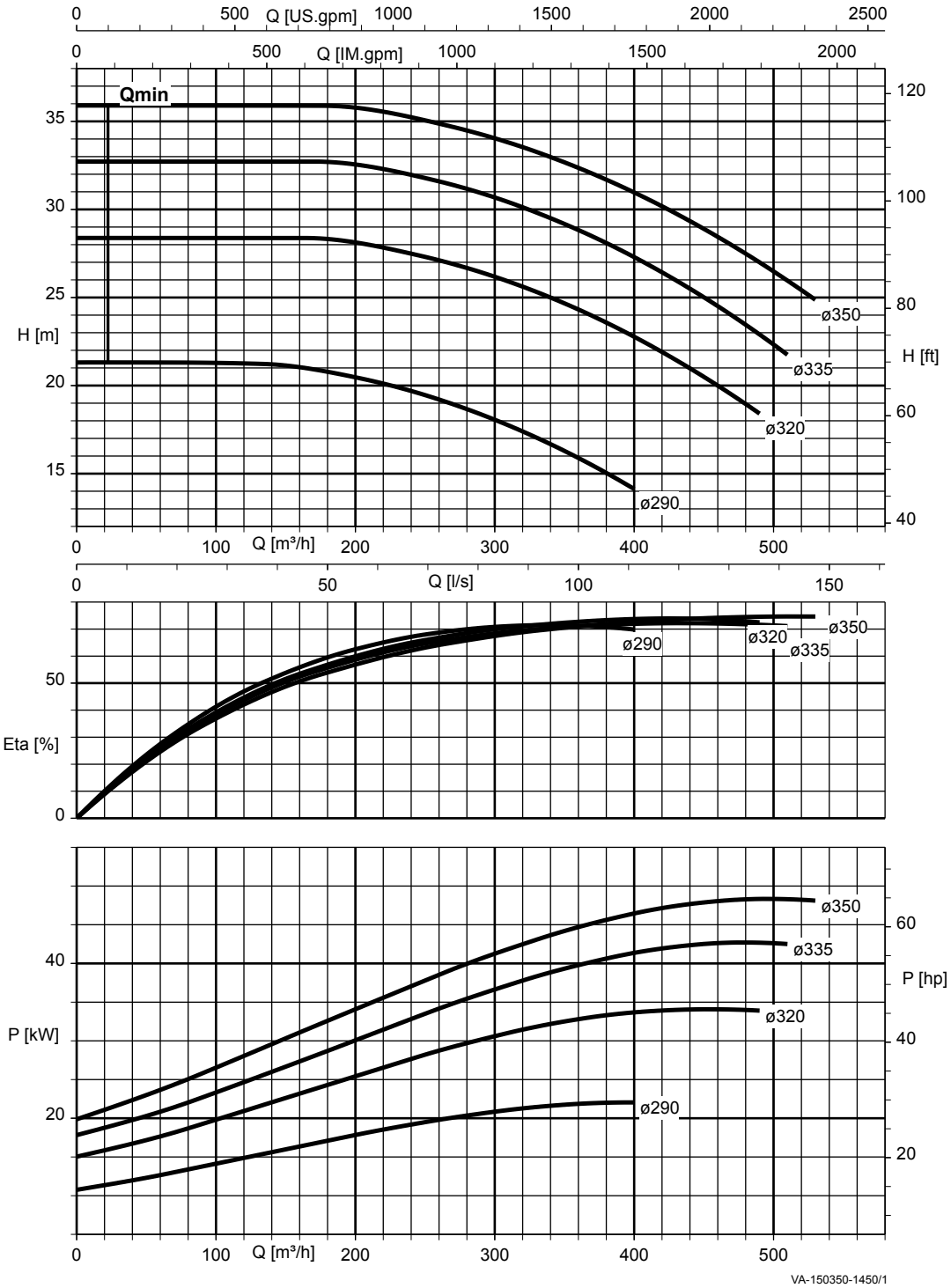
Vitacast 150-125-260, 1450 min⁻¹



Vitacast 150-125-350, 1450 min⁻¹

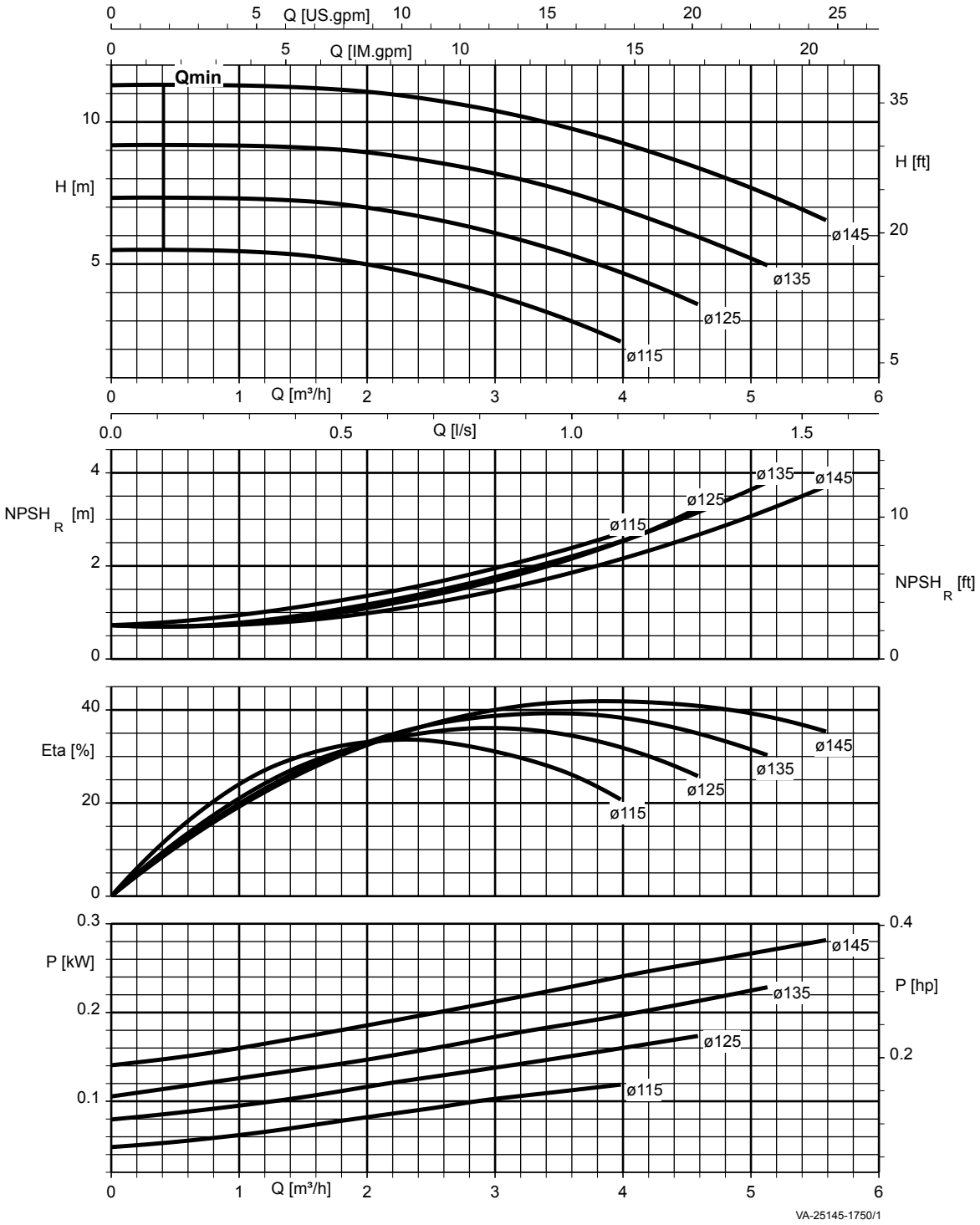


Vitacast 200-150-350, 1450 min⁻¹

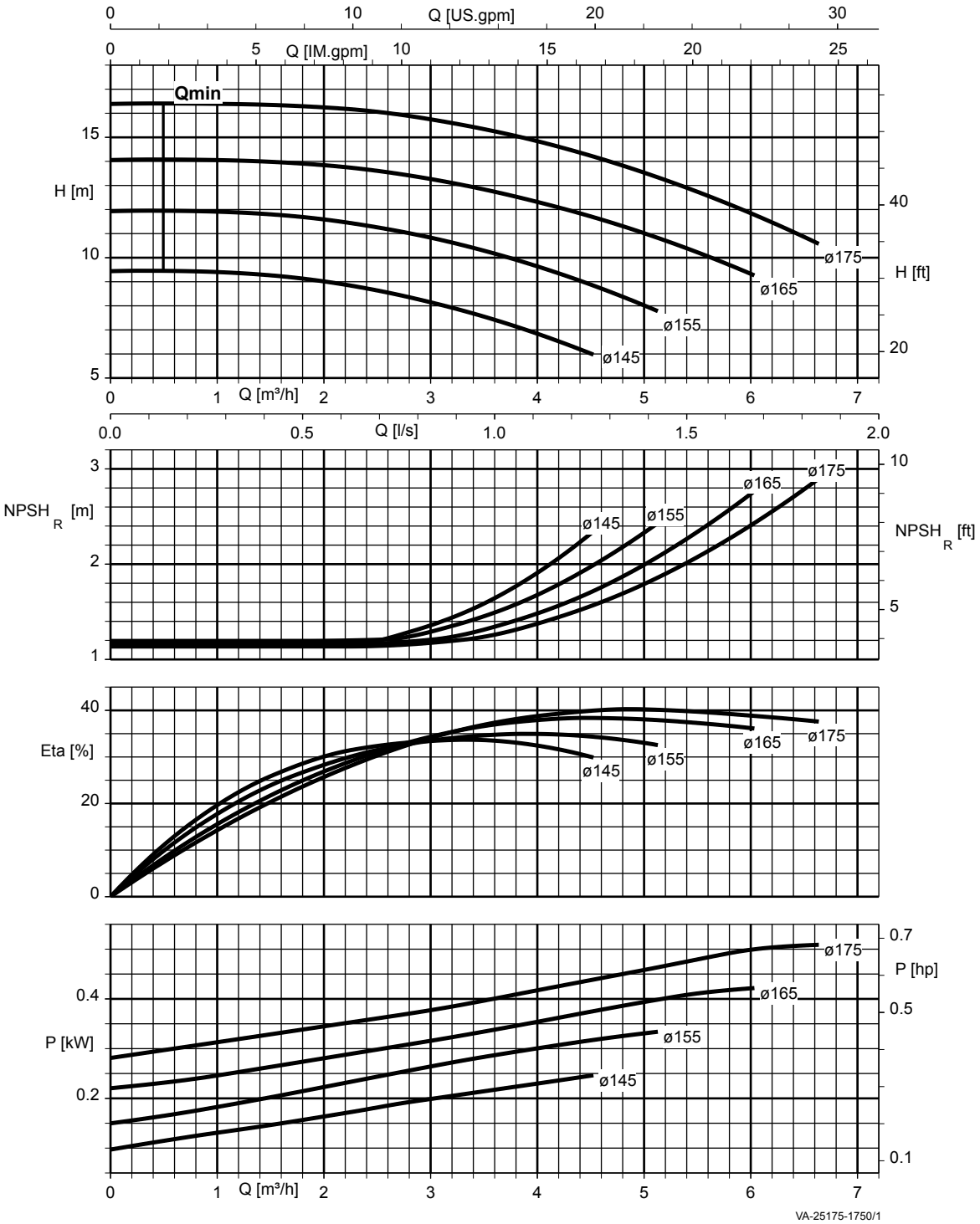


n = 1750 min⁻¹

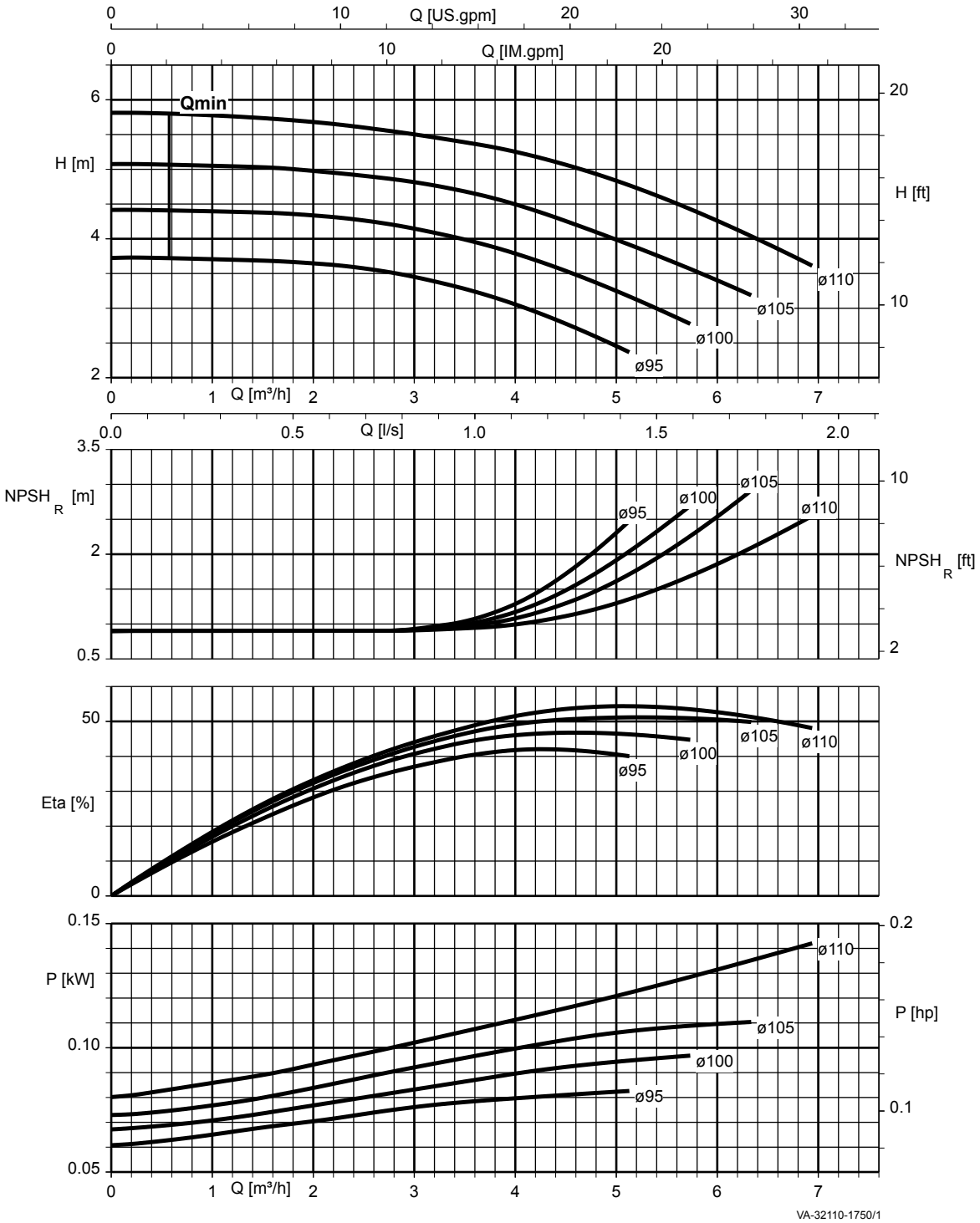
Vitacast 032-025-145, 1750 min⁻¹



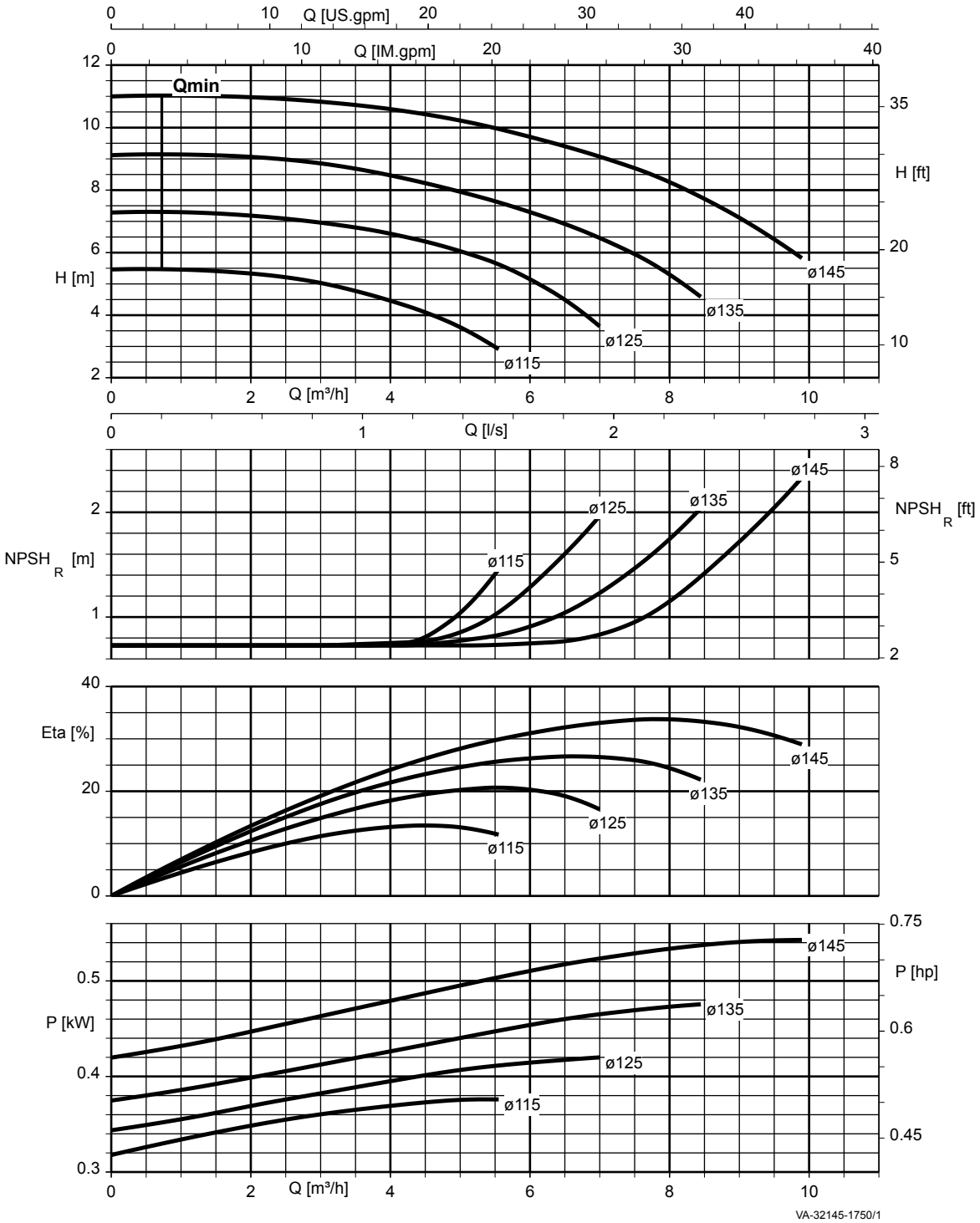
Vitacast 032-025-175, 1750 min⁻¹



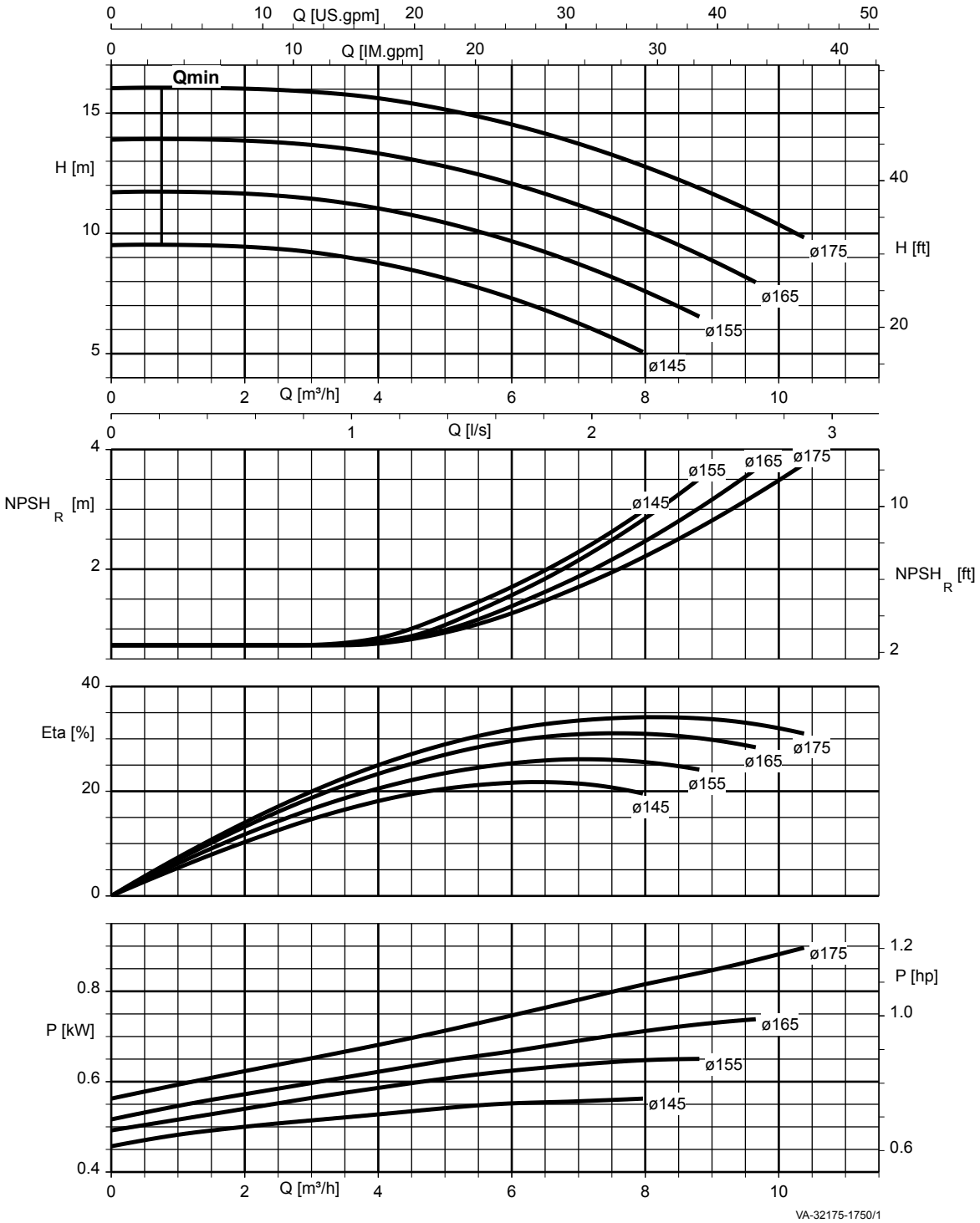
Vitacast 040-032-110, 1750 min⁻¹



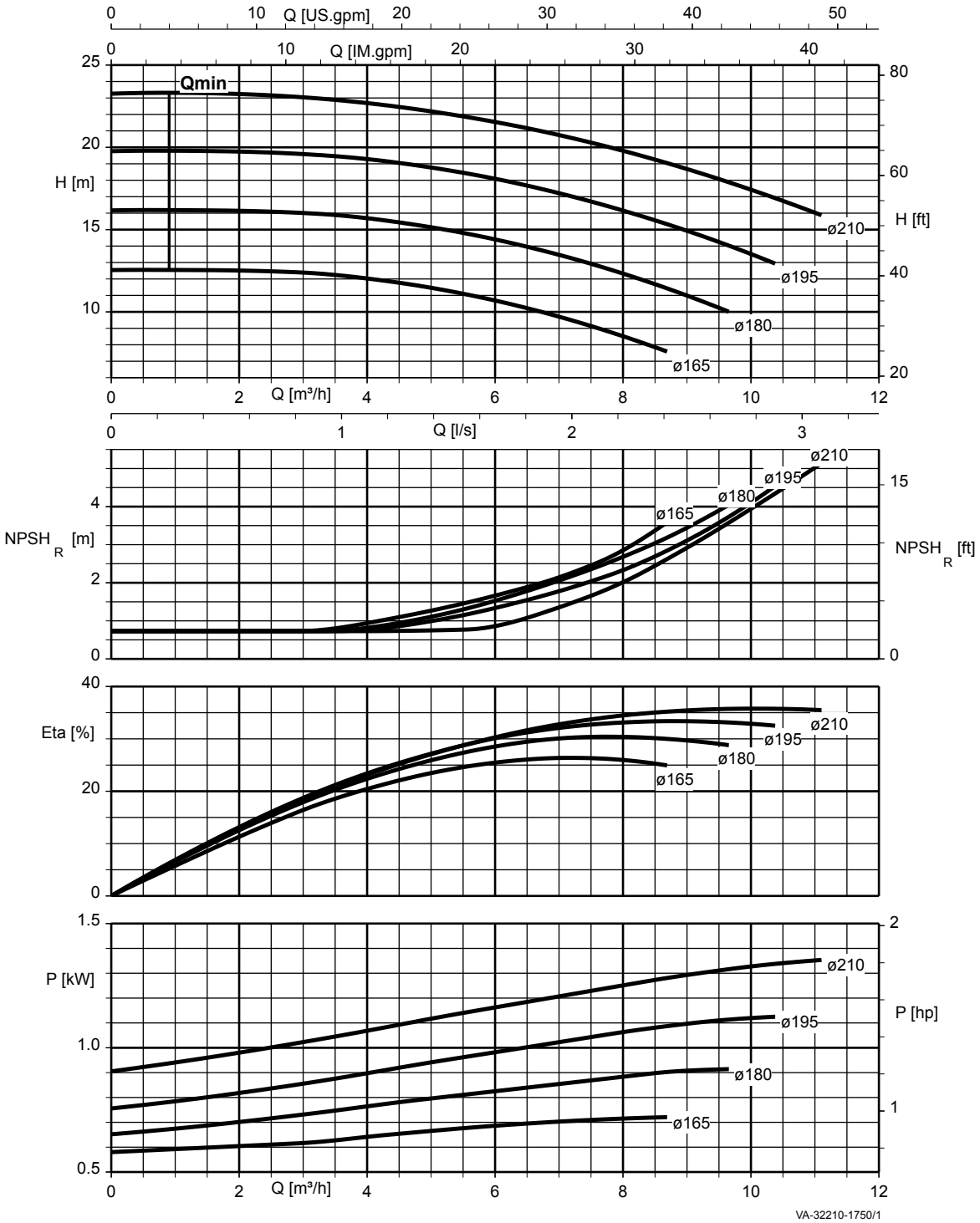
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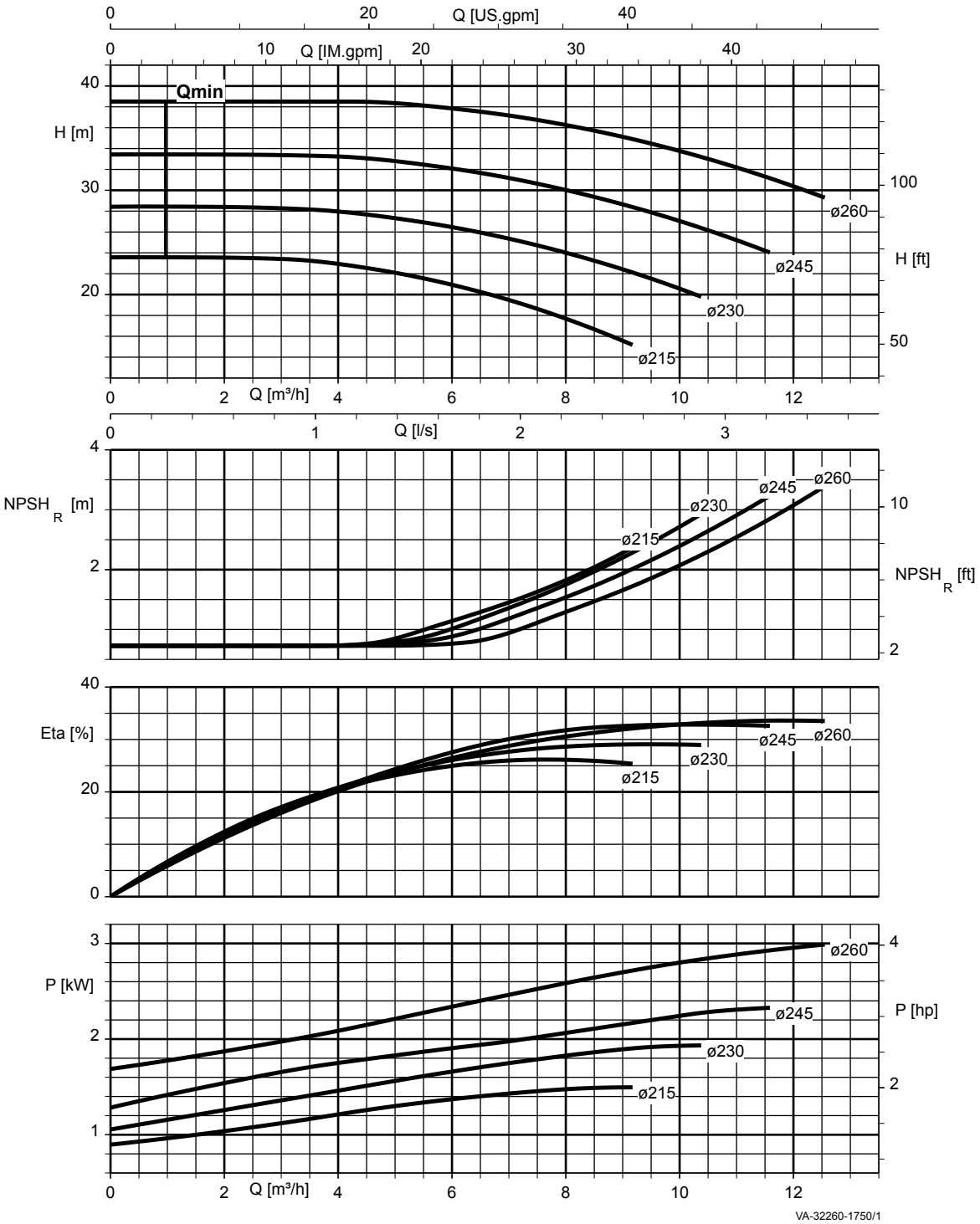
Vitacast 040-032-175, 1750 min⁻¹



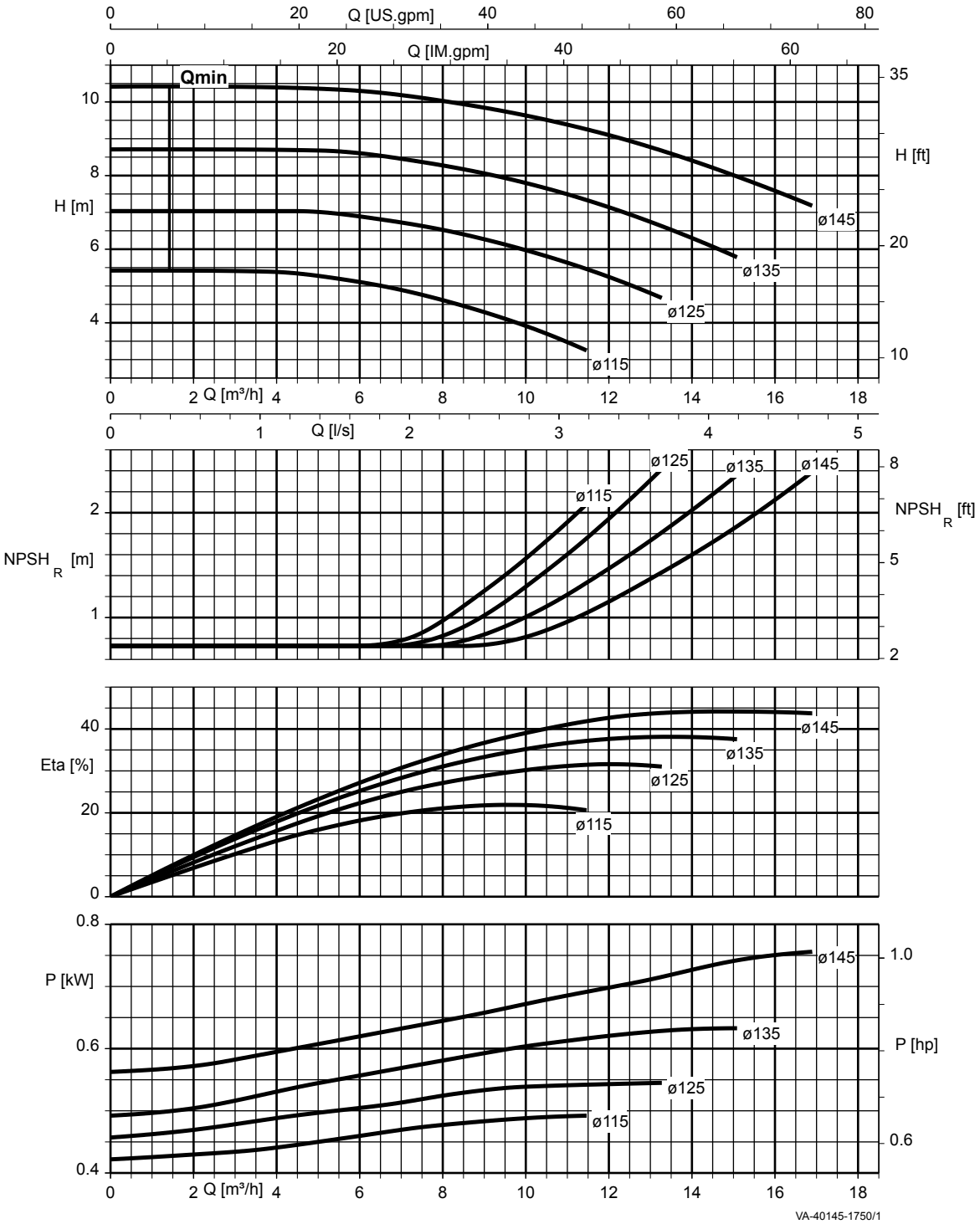
Vitacast 040-032-210, 1750 min⁻¹



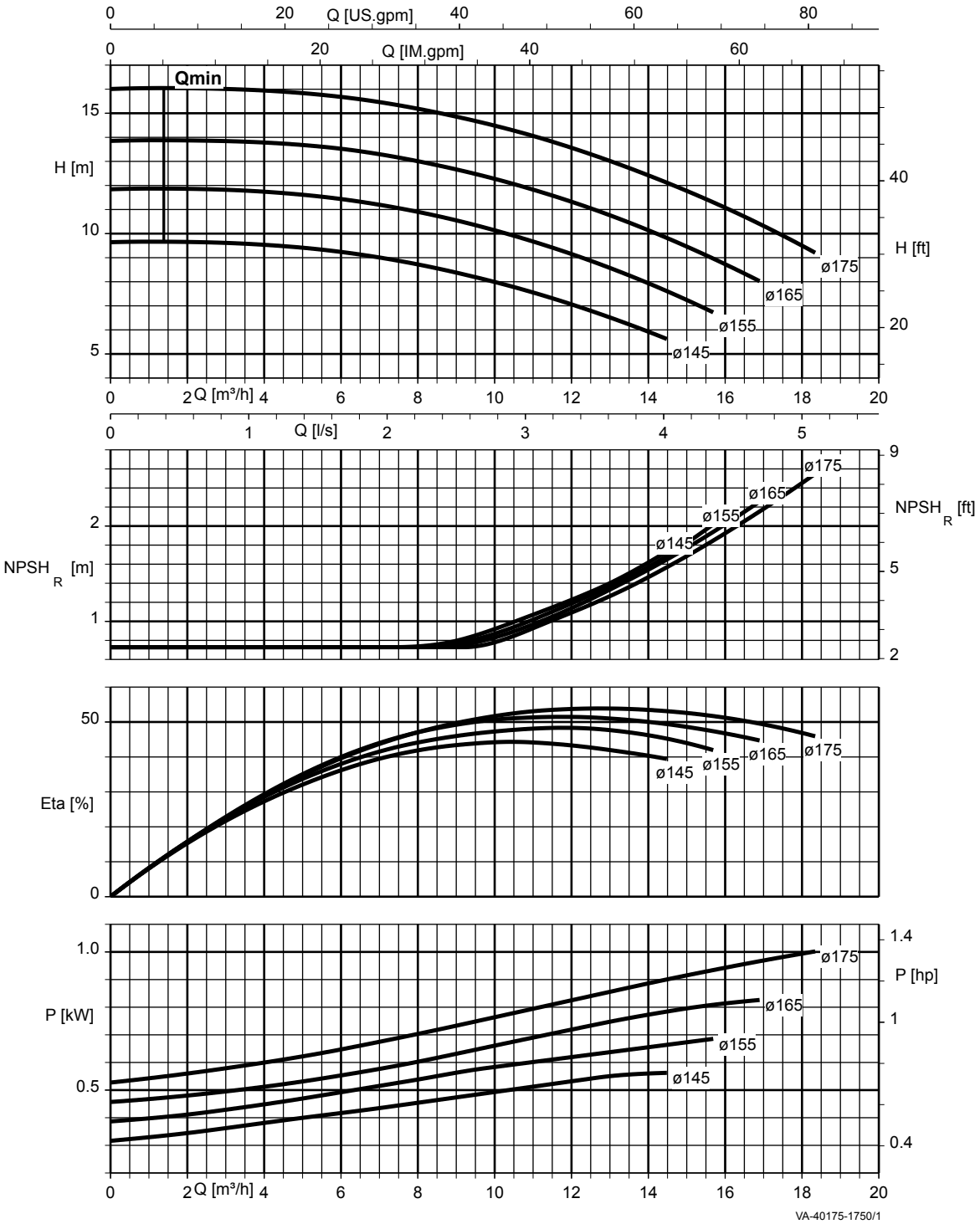
Vitacast 040-032-260, 1750 min⁻¹



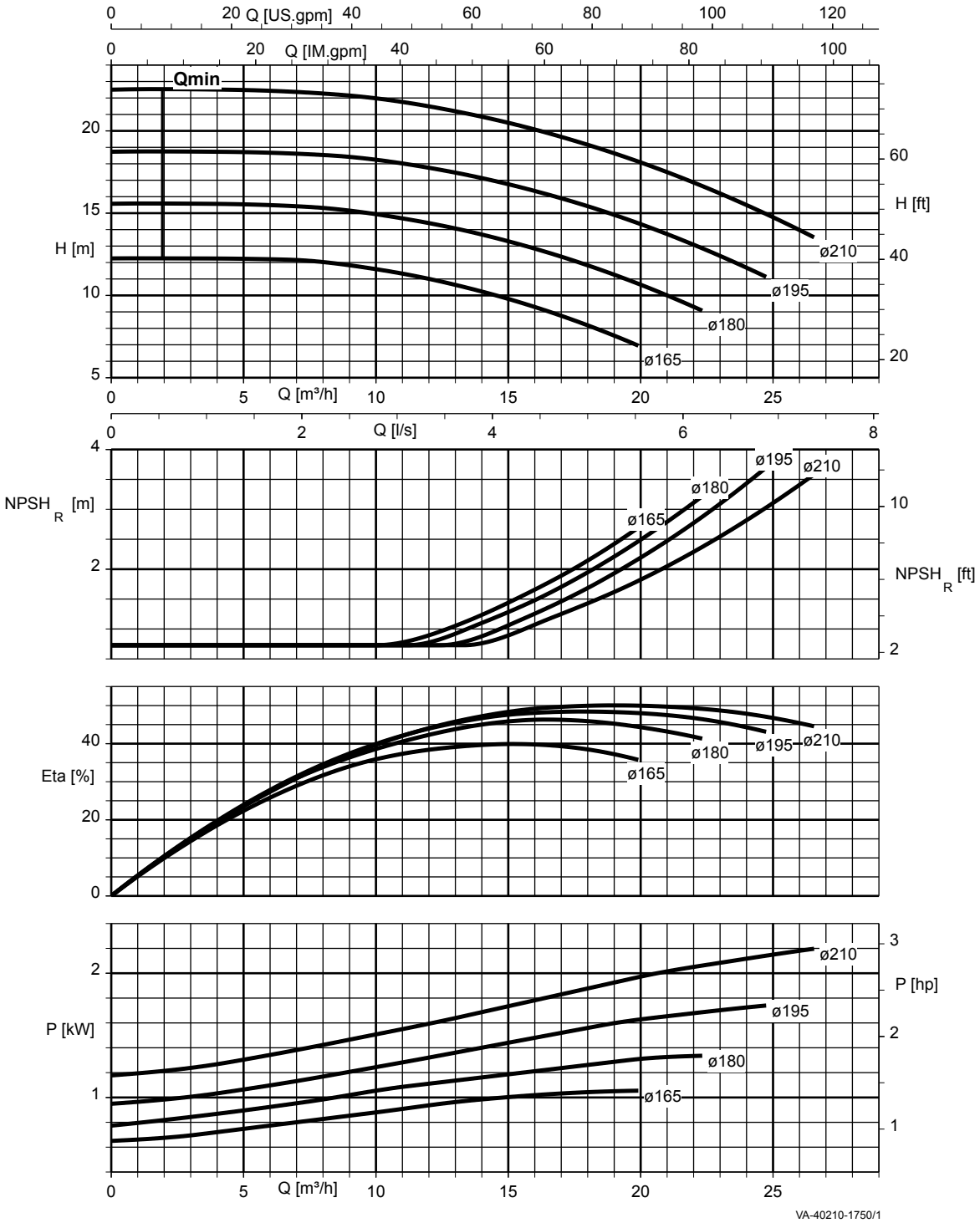
Vitacast 050-040-145, 1750 min⁻¹



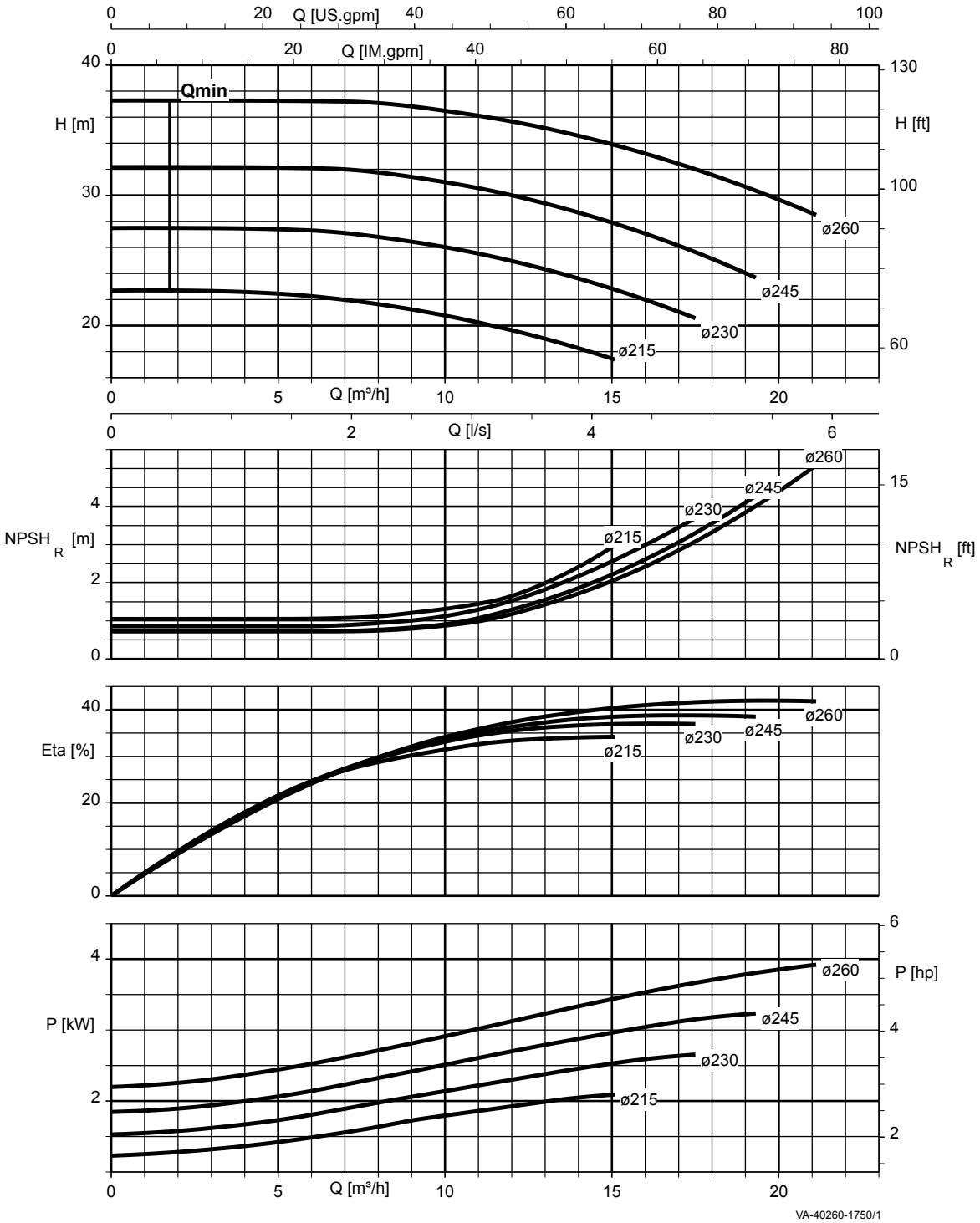
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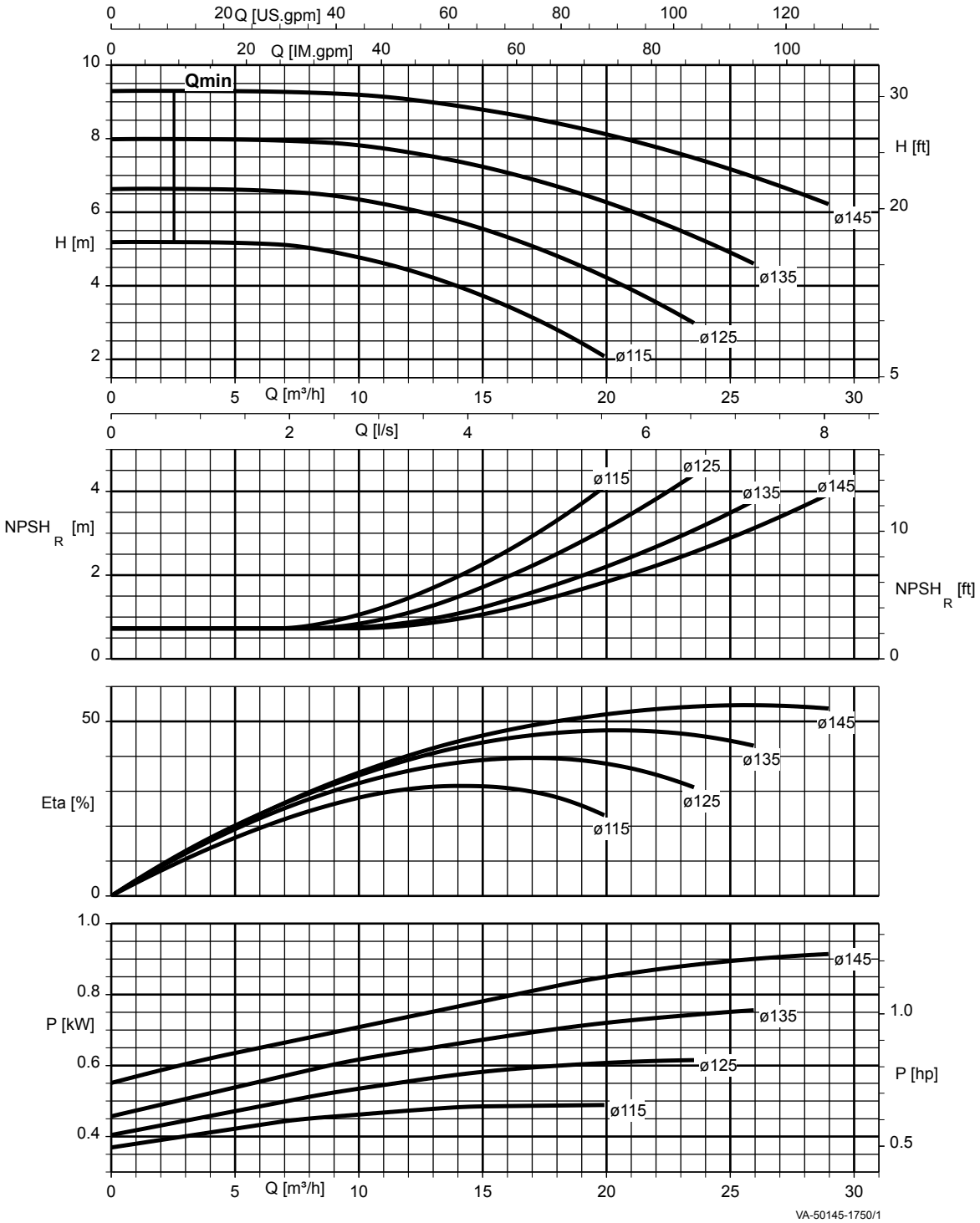
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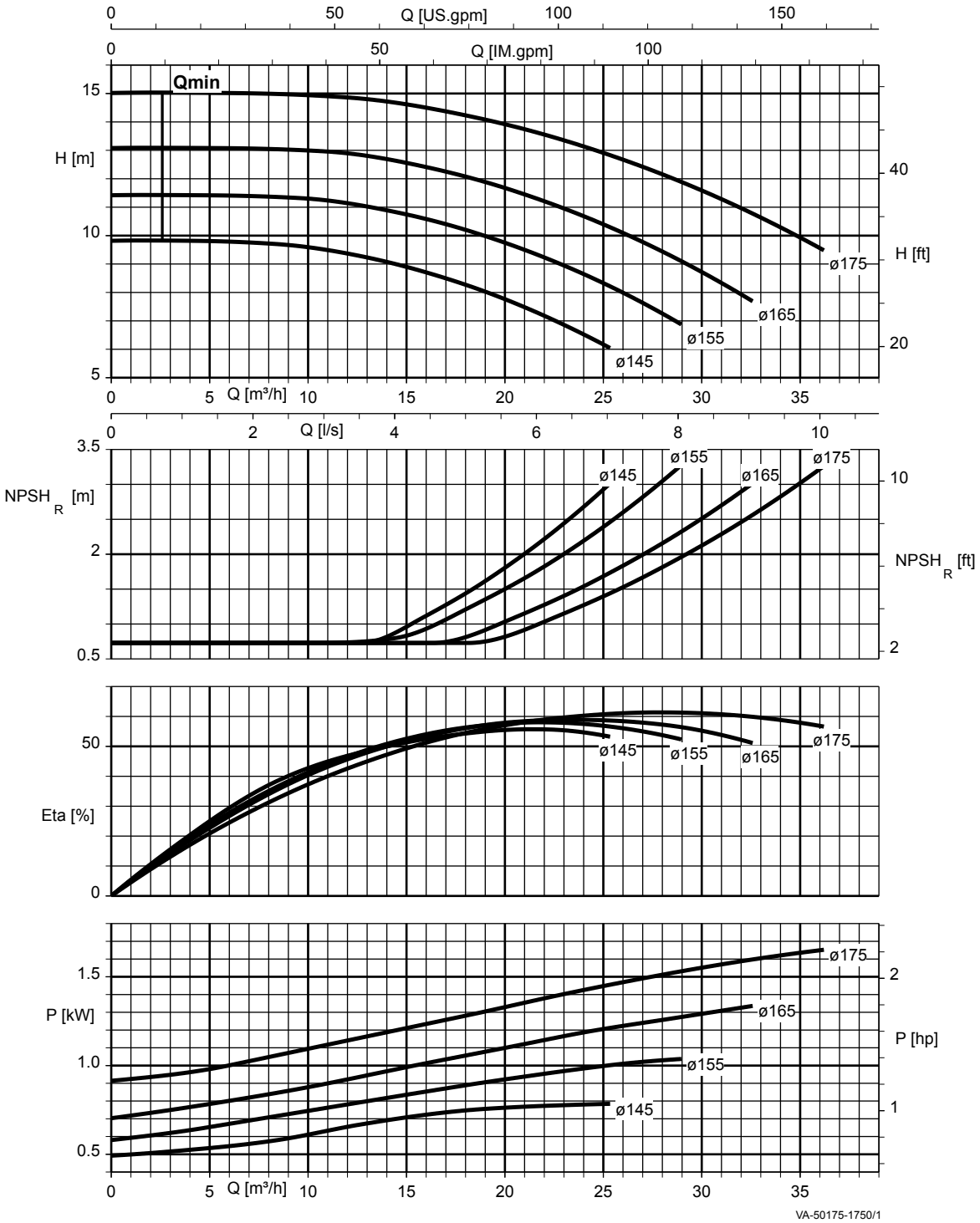
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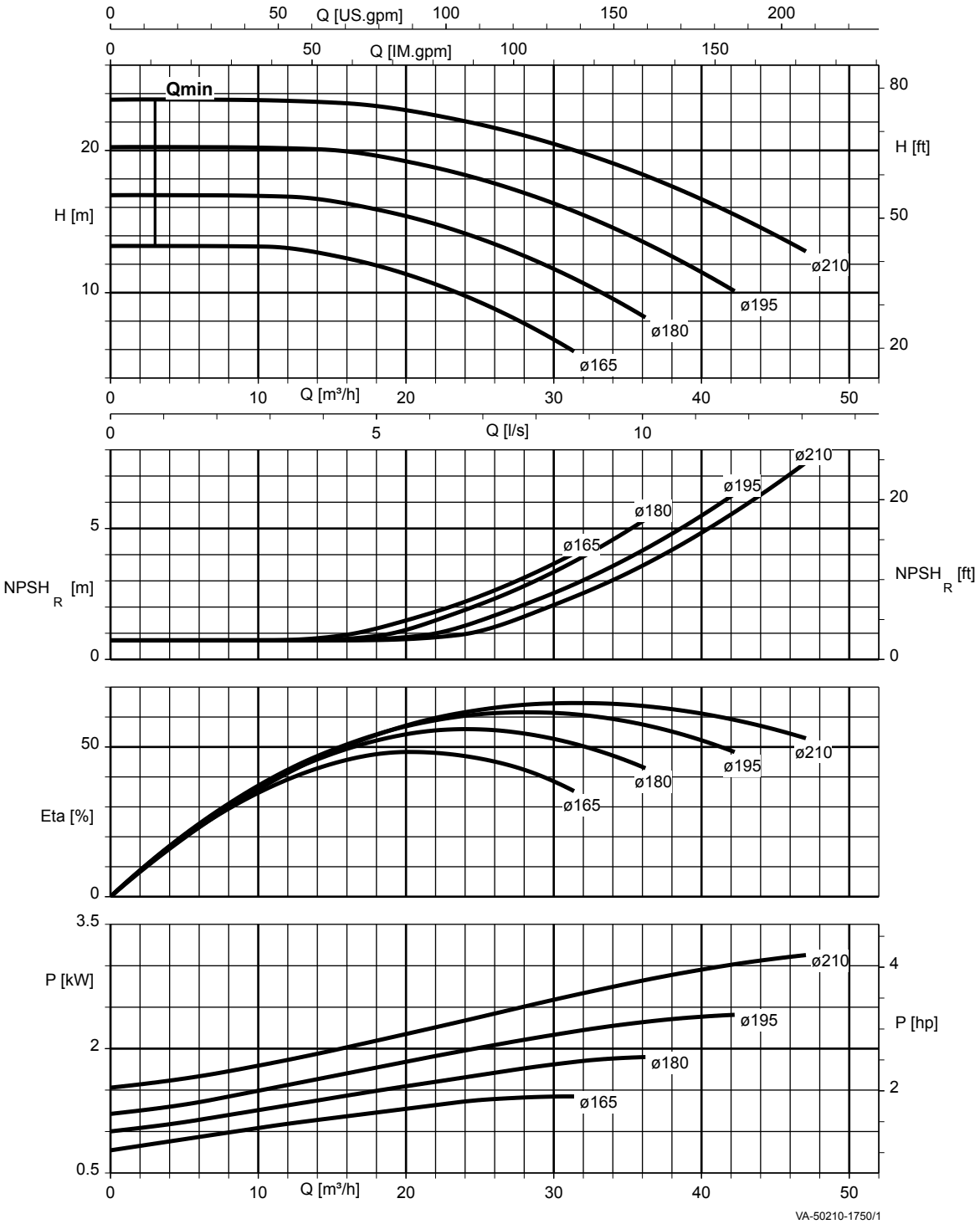
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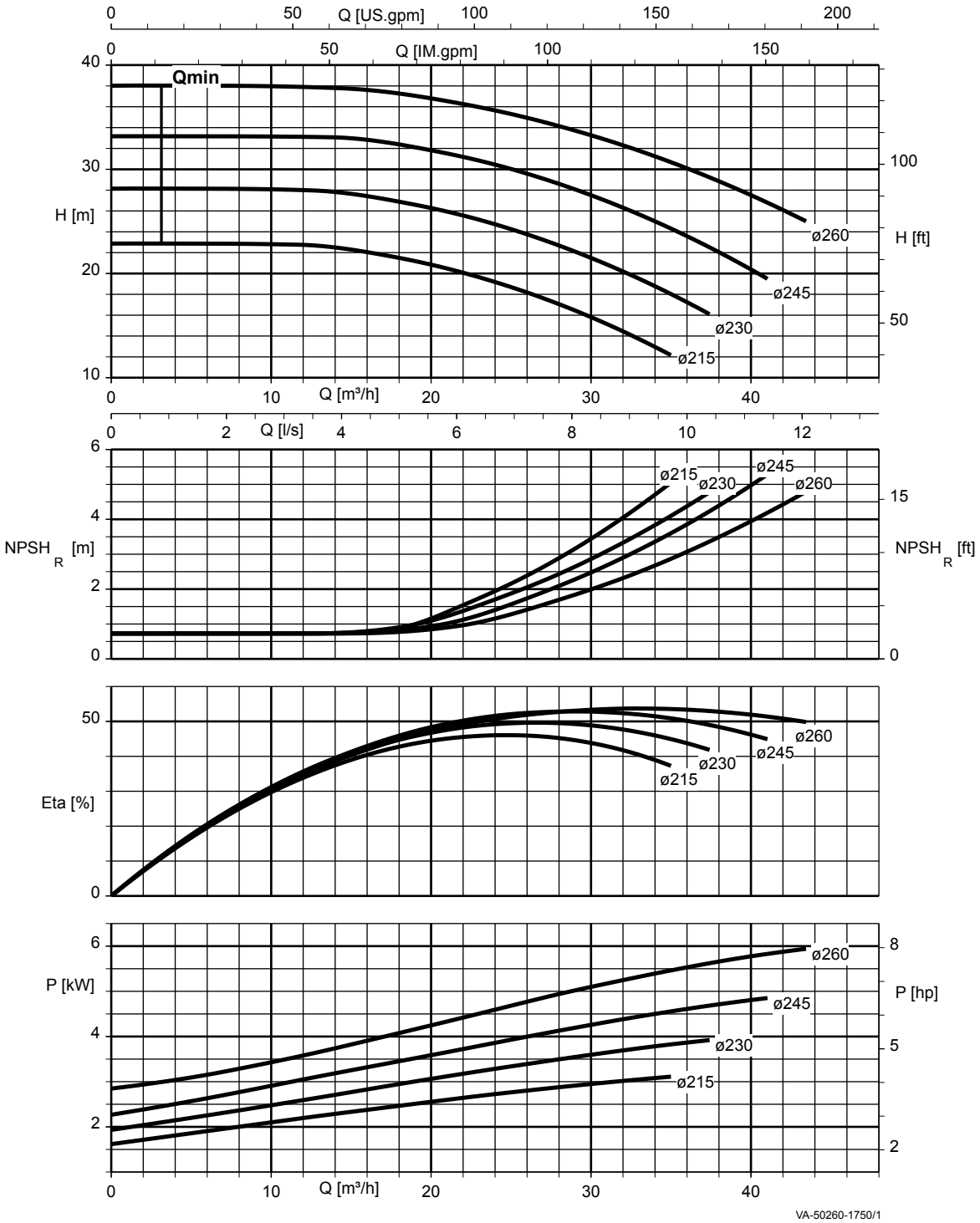
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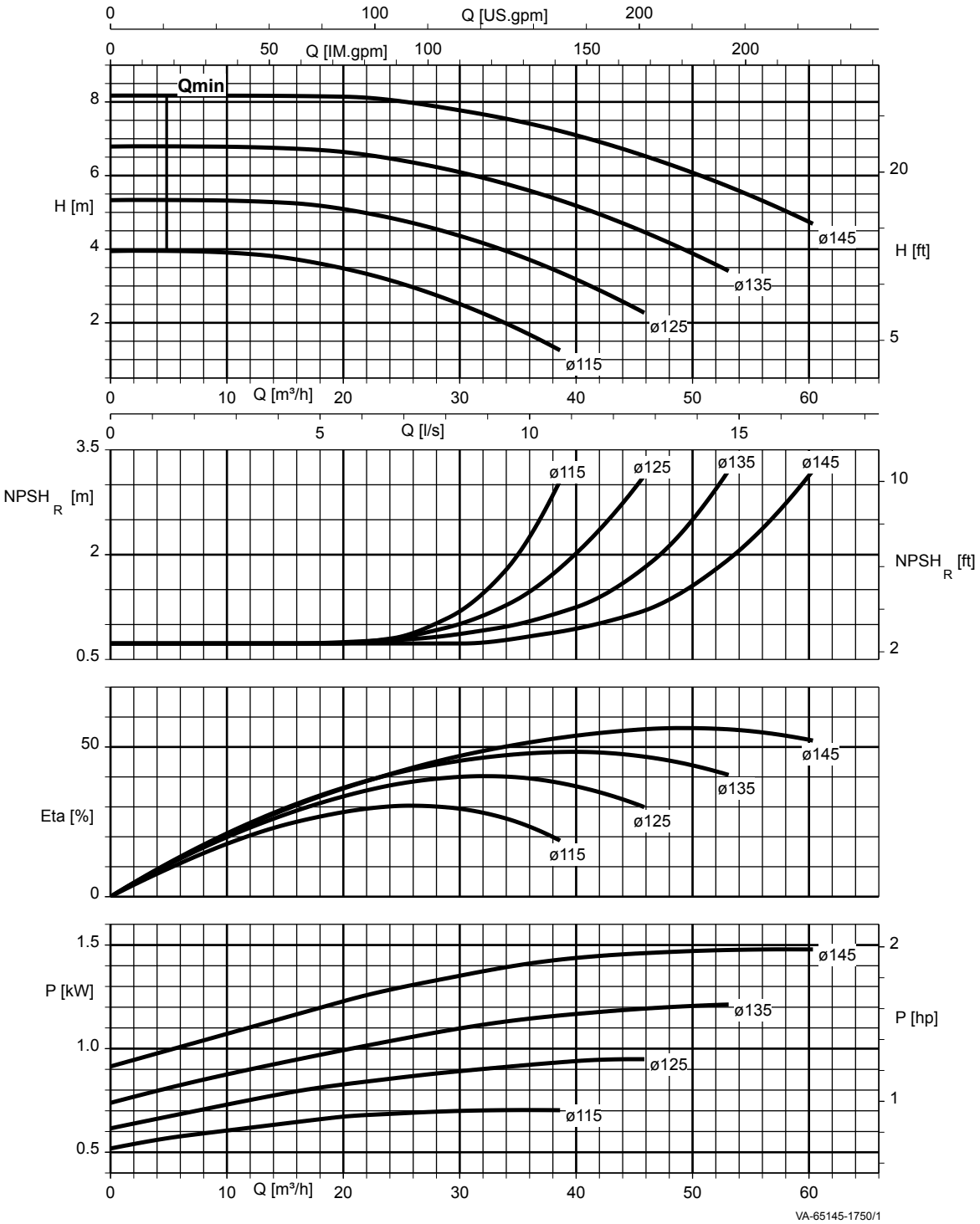
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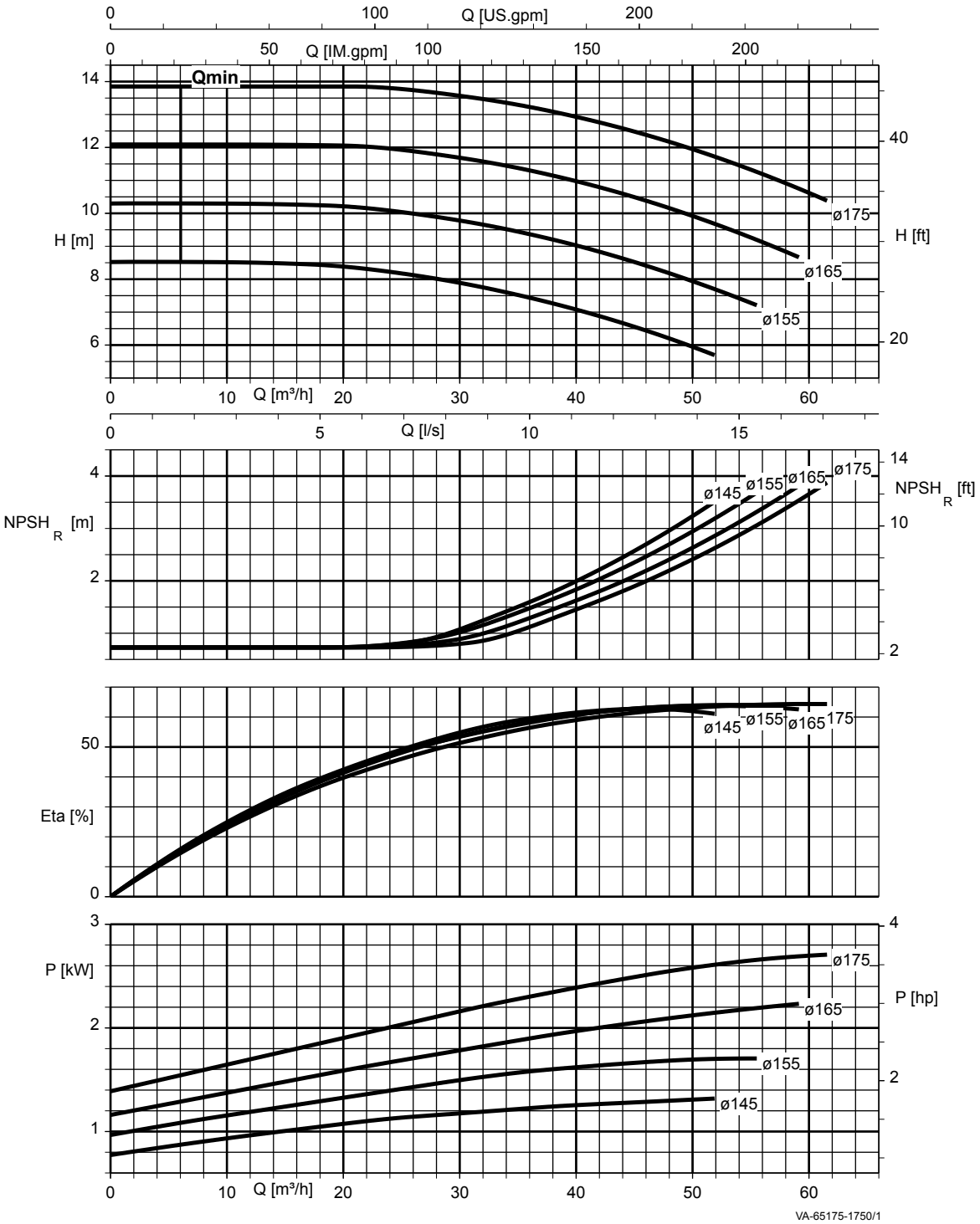
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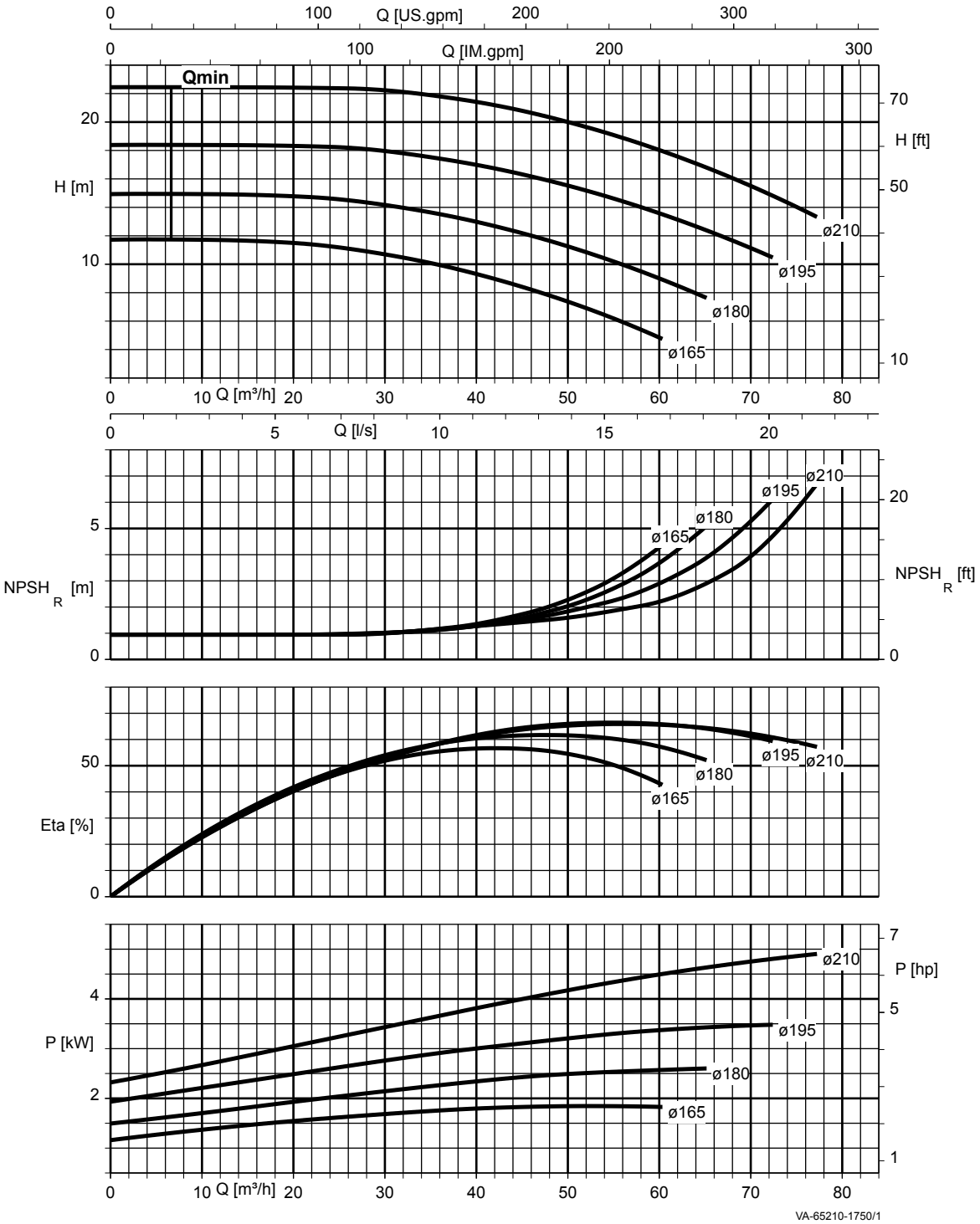
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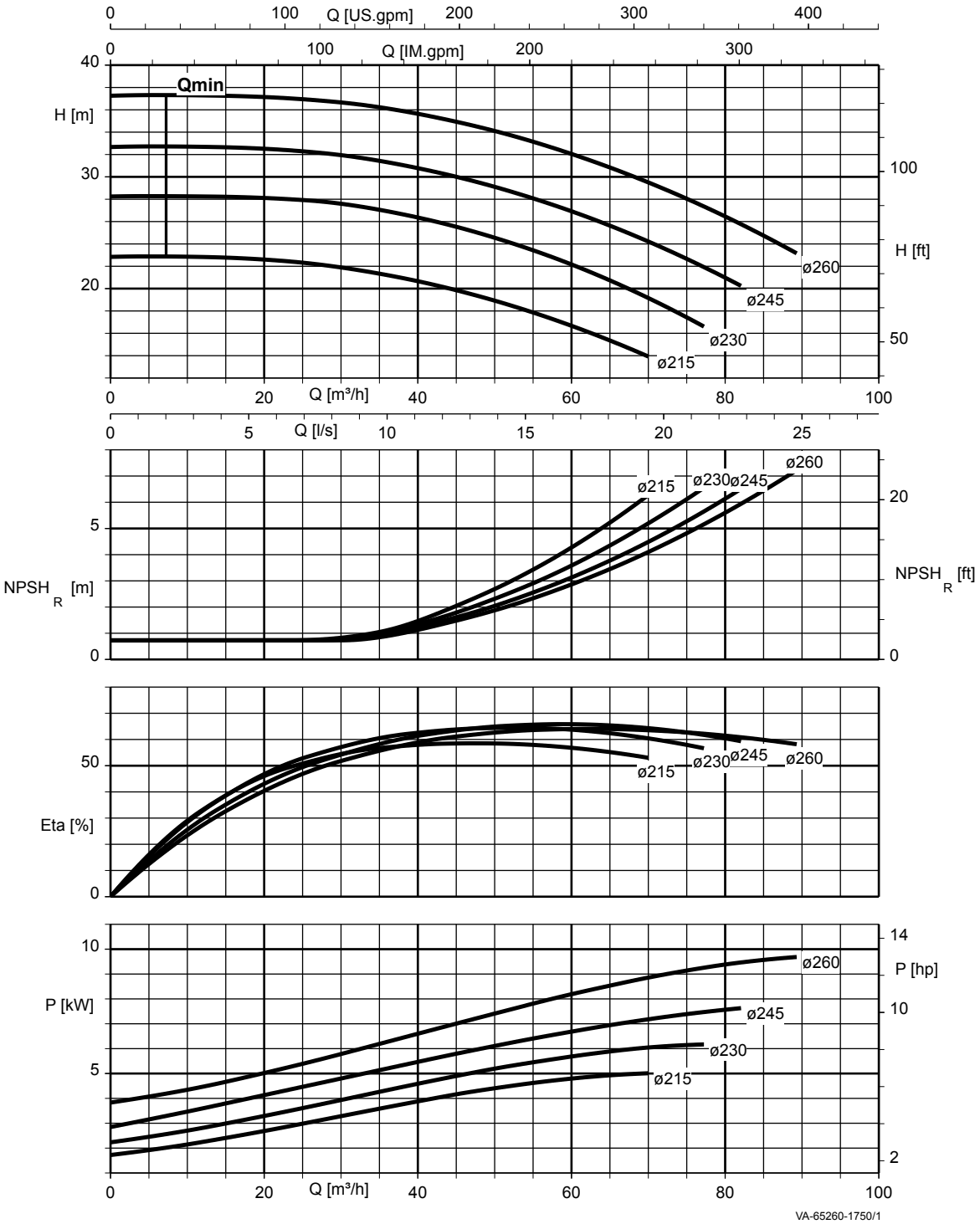
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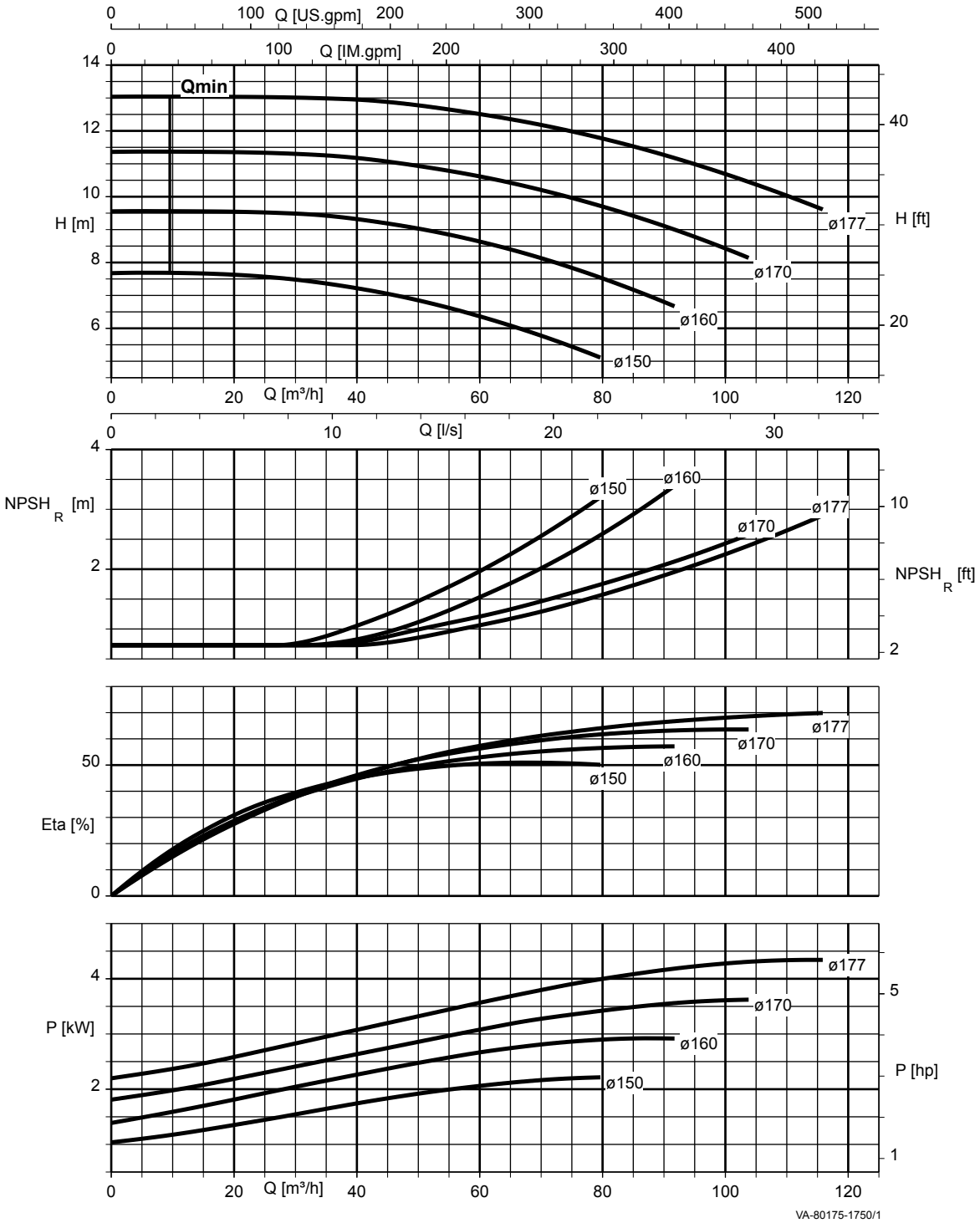
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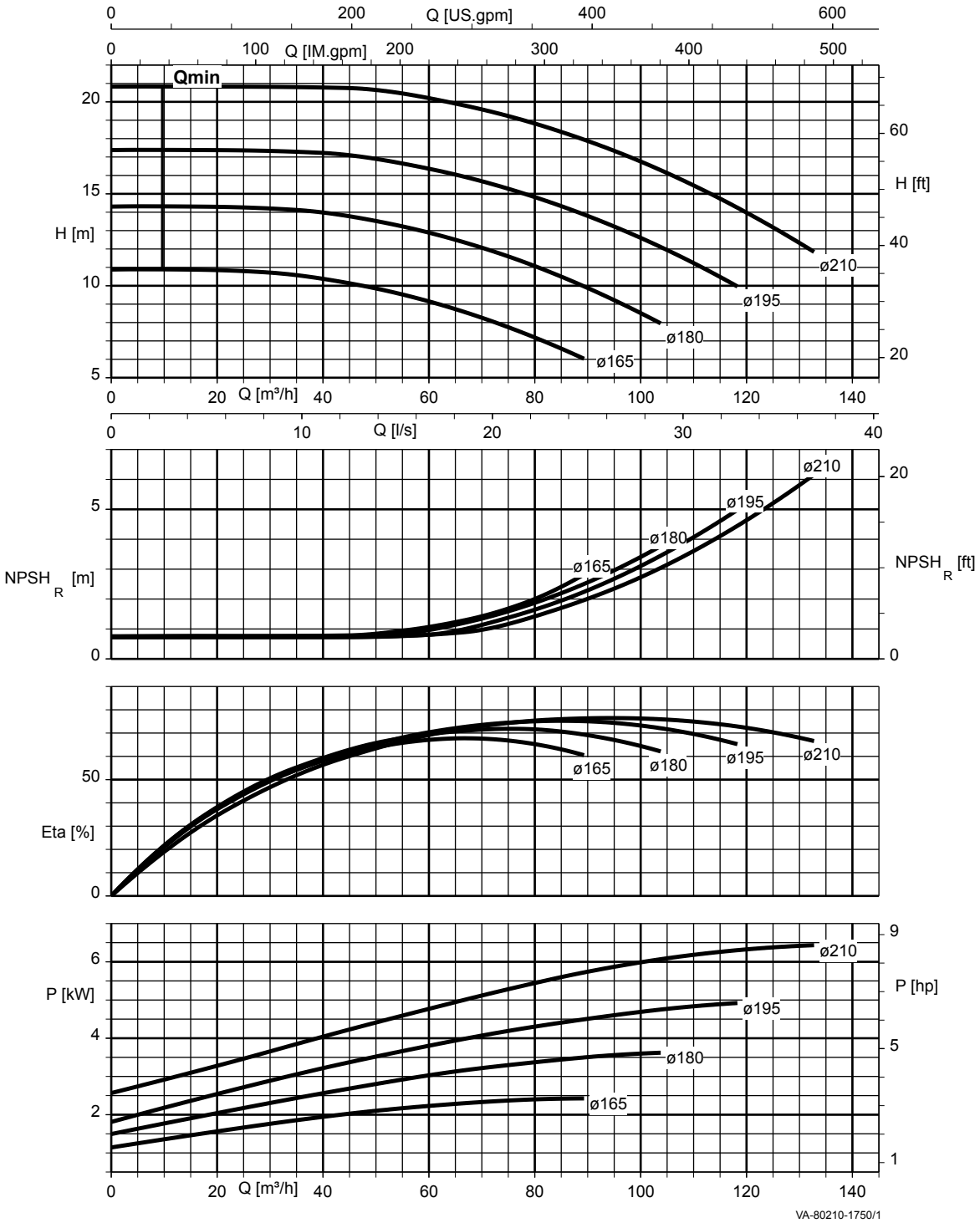
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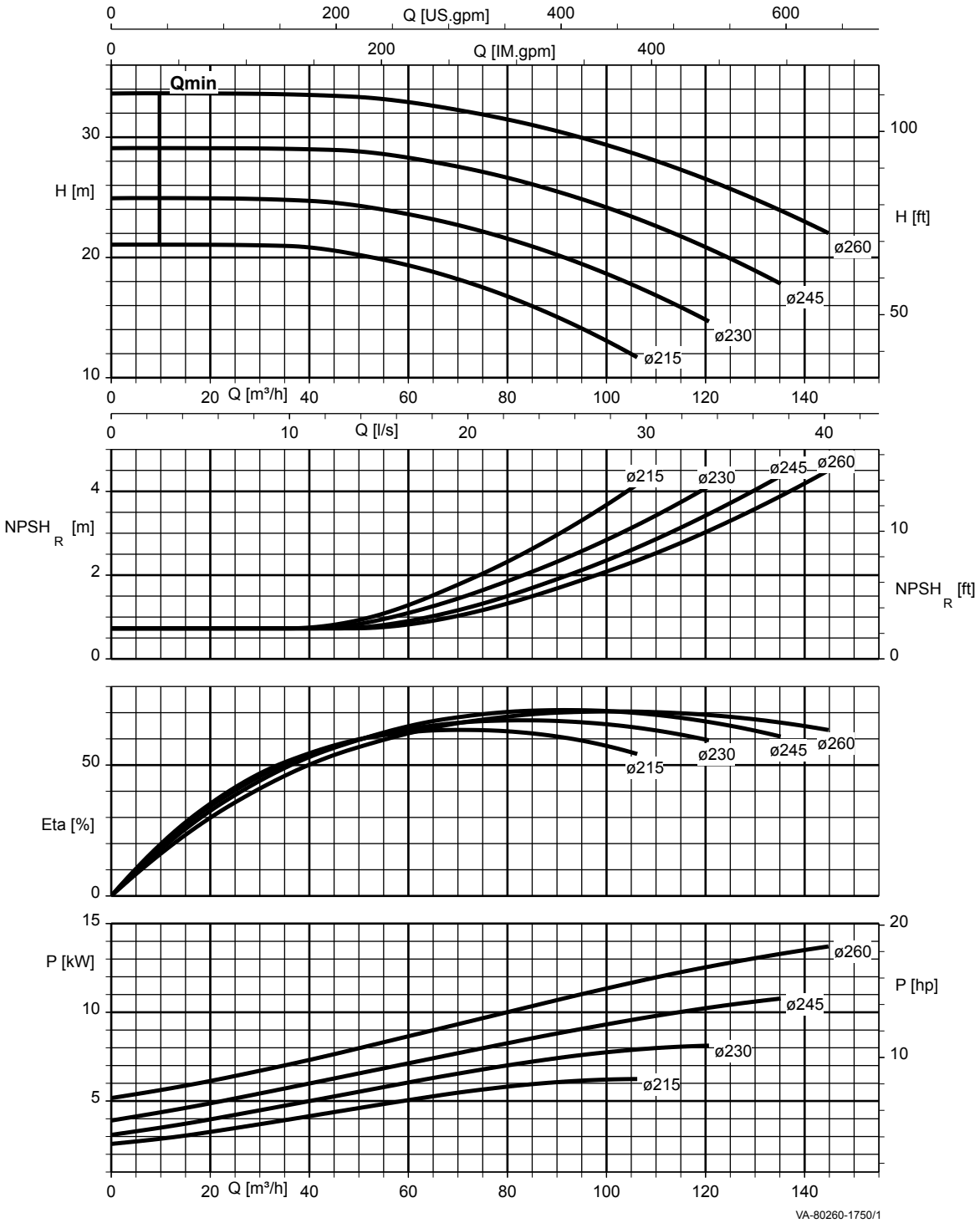
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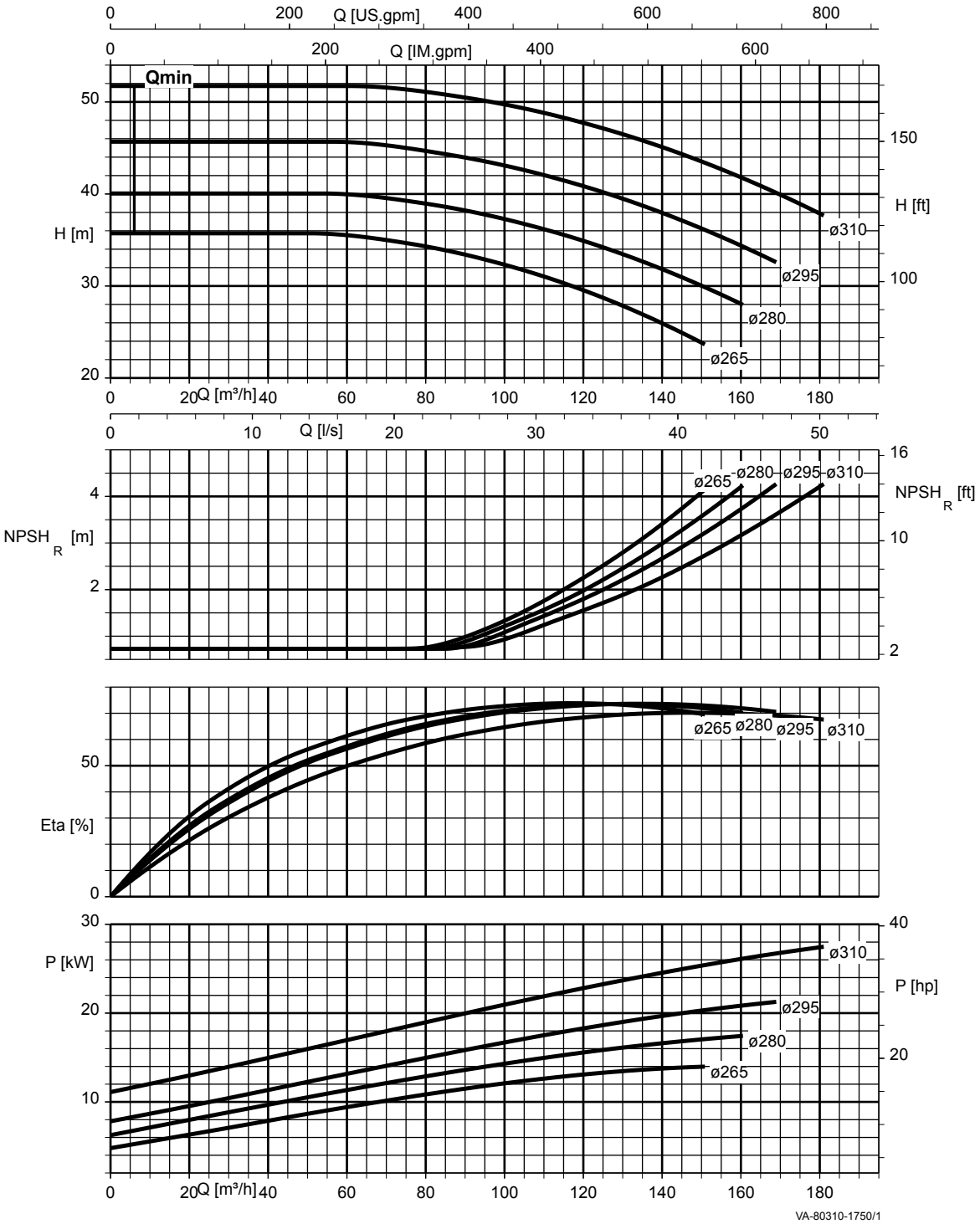
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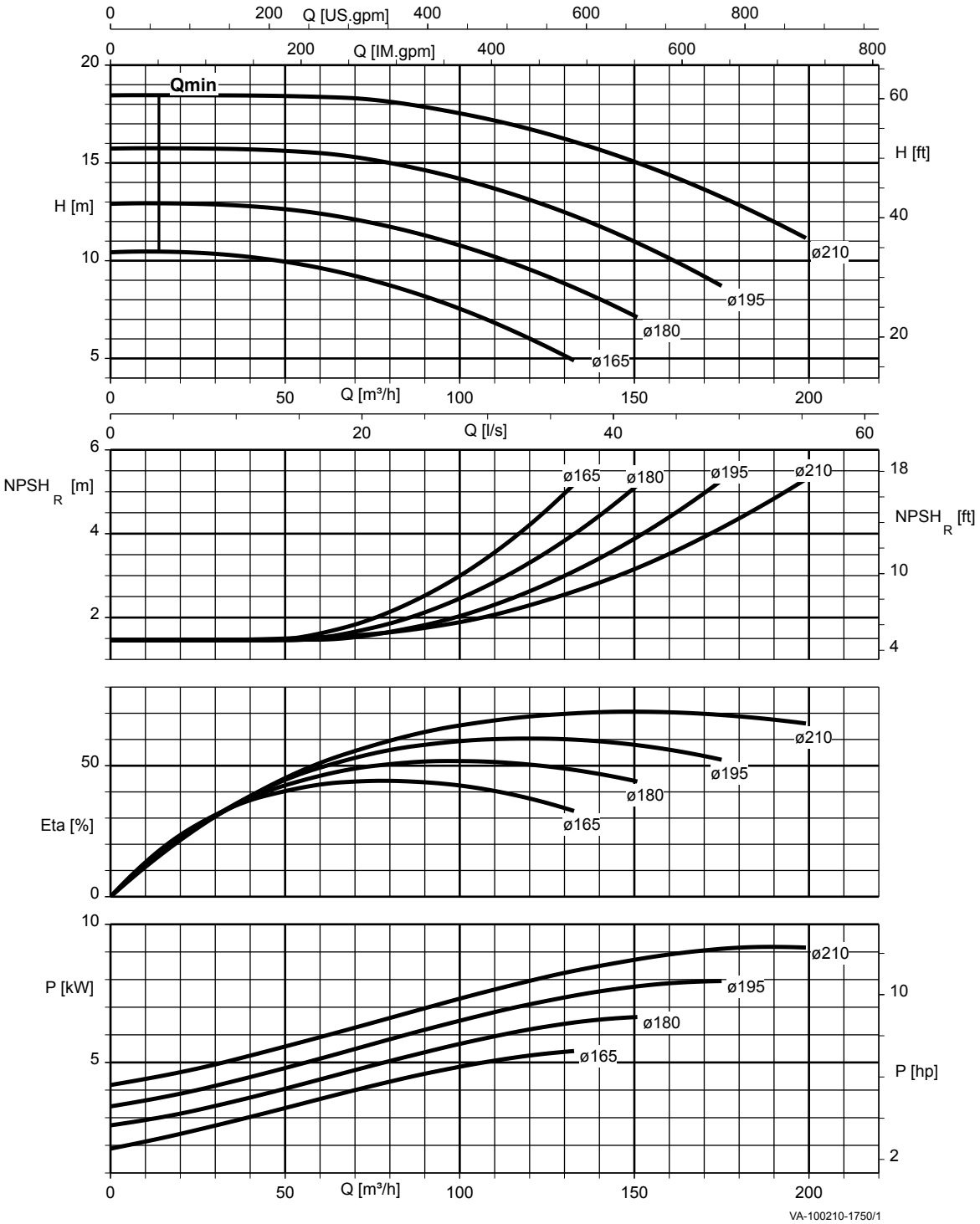
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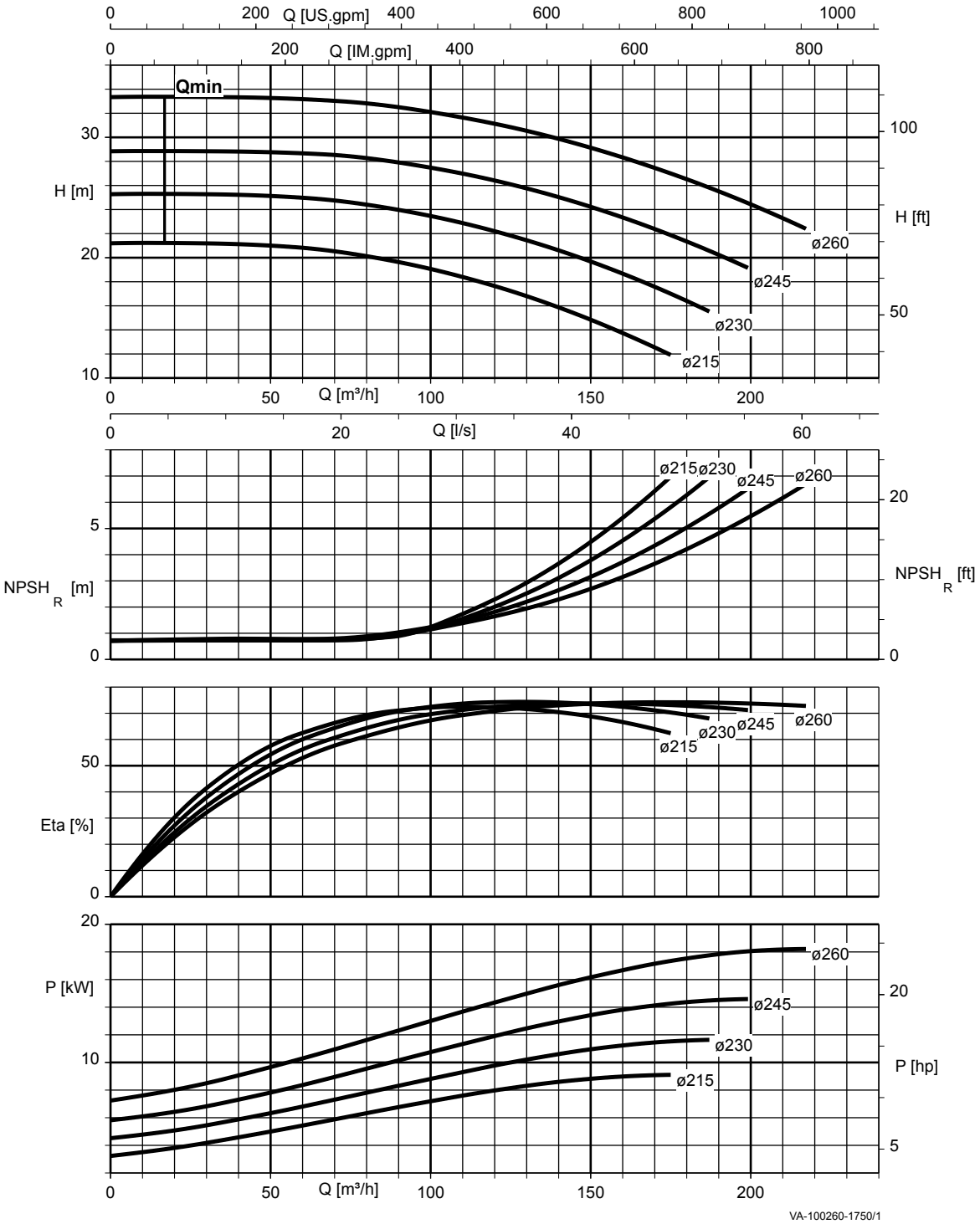
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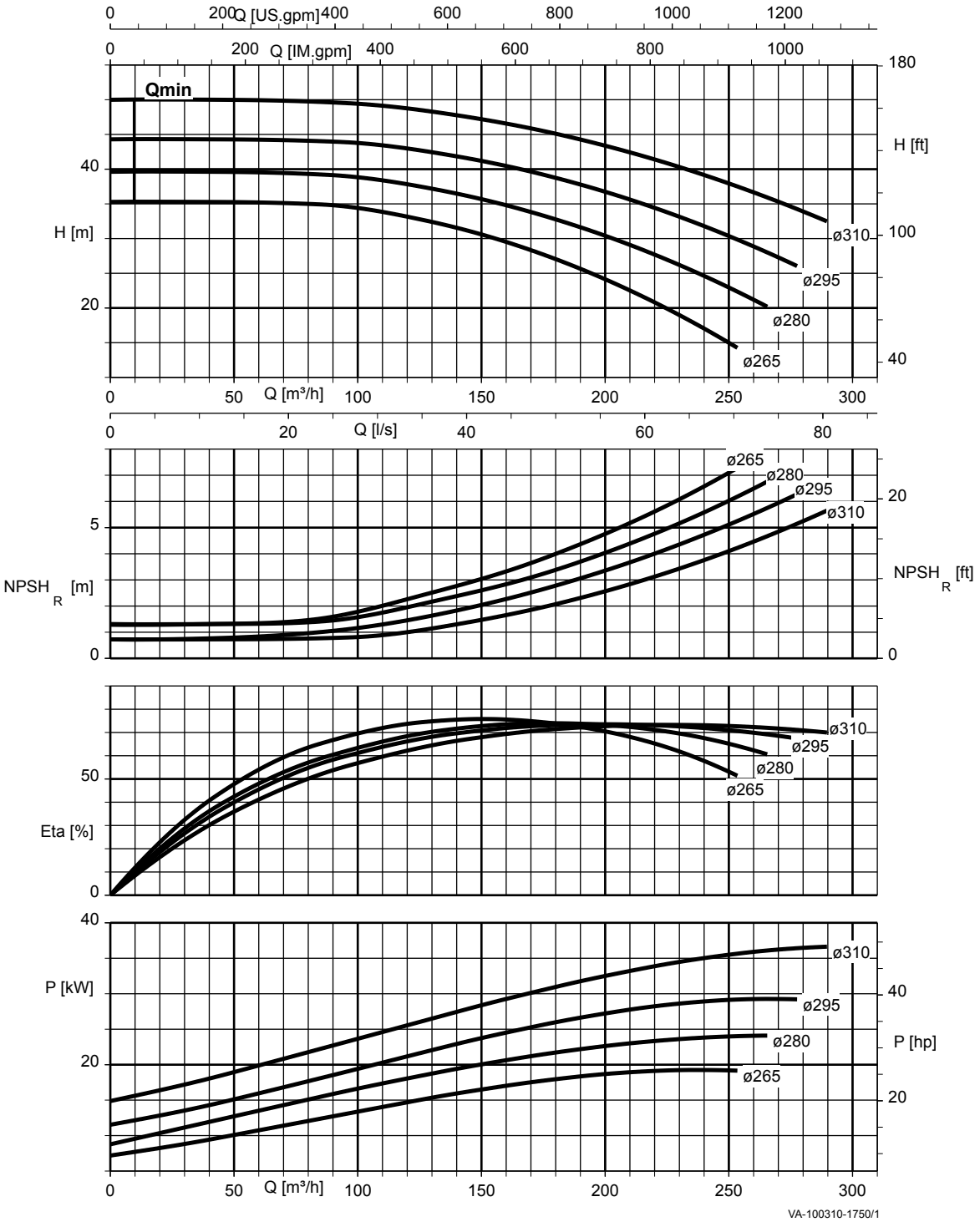
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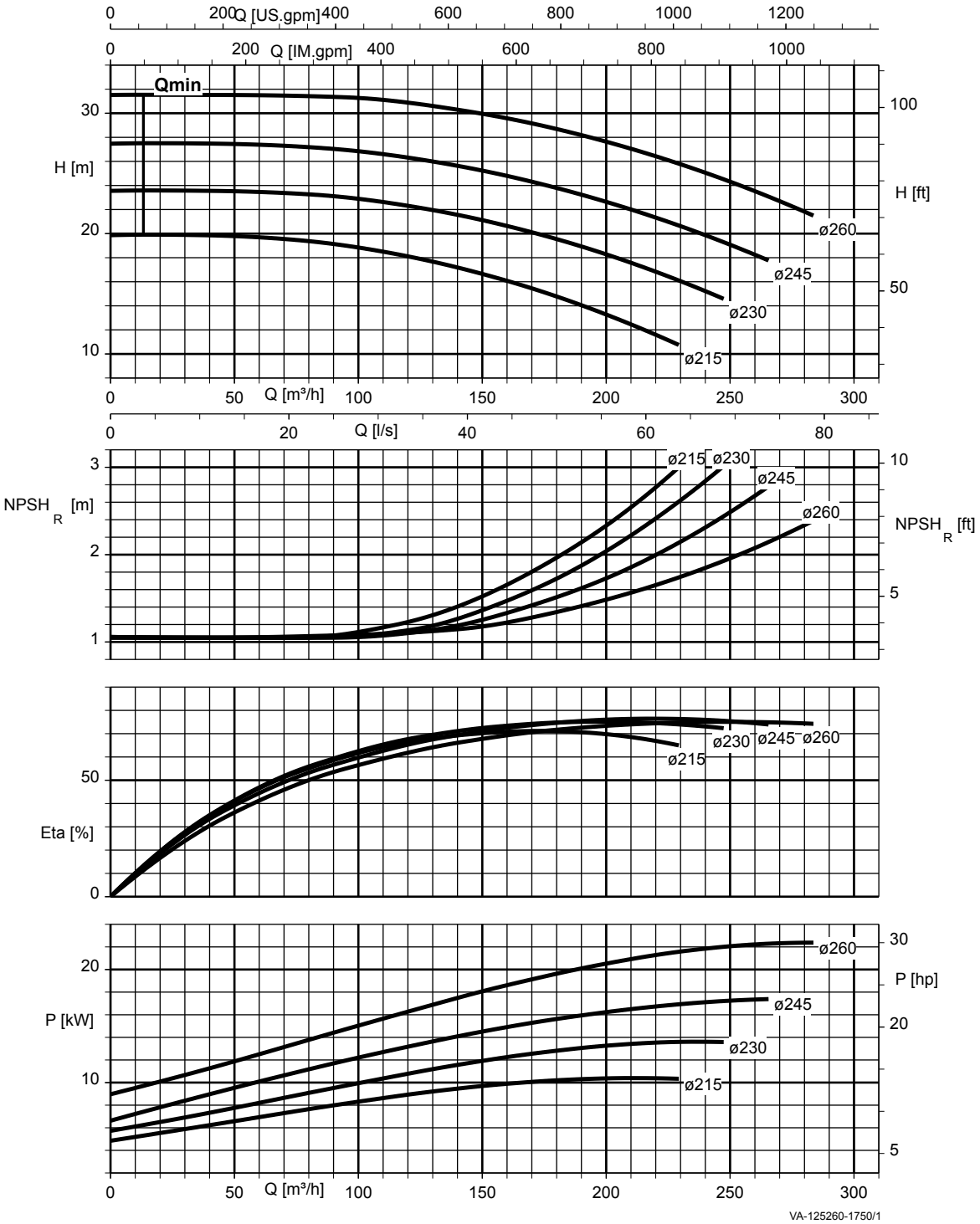
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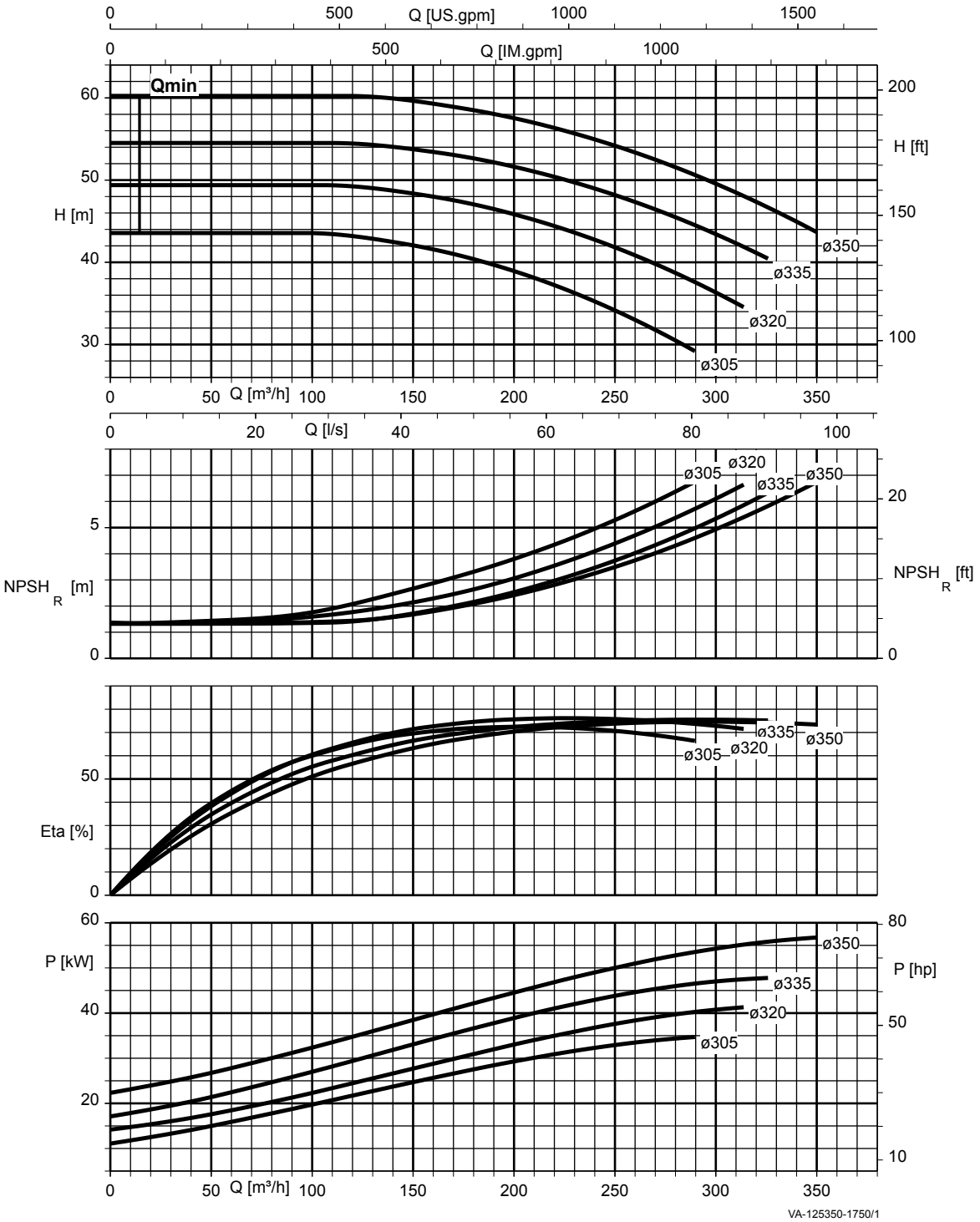
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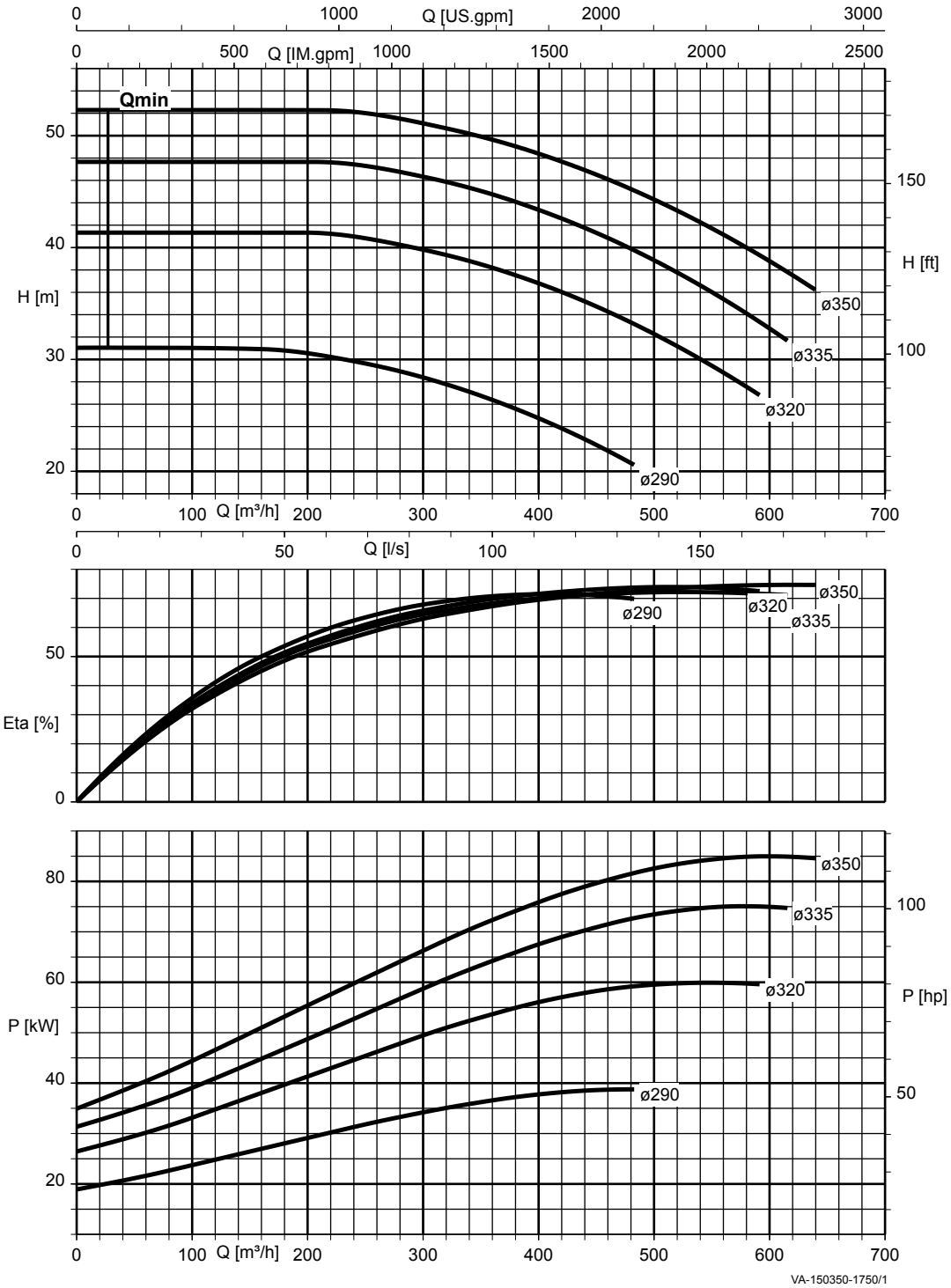
Vitacast 150-125-260, 1750 min⁻¹



Vitacast 150-125-350, 1750 min⁻¹

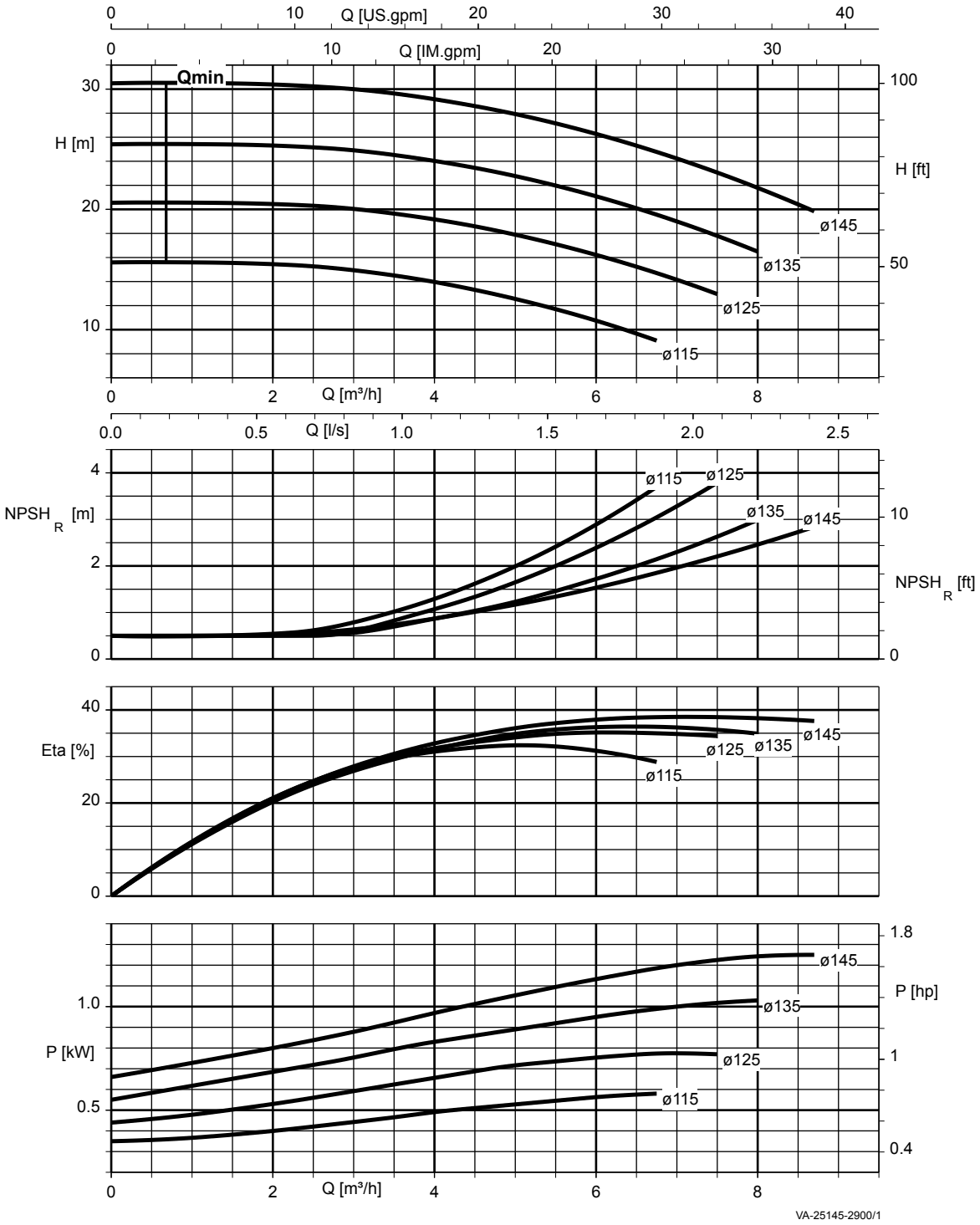


Vitacast 200-150-350, 1750 min⁻¹

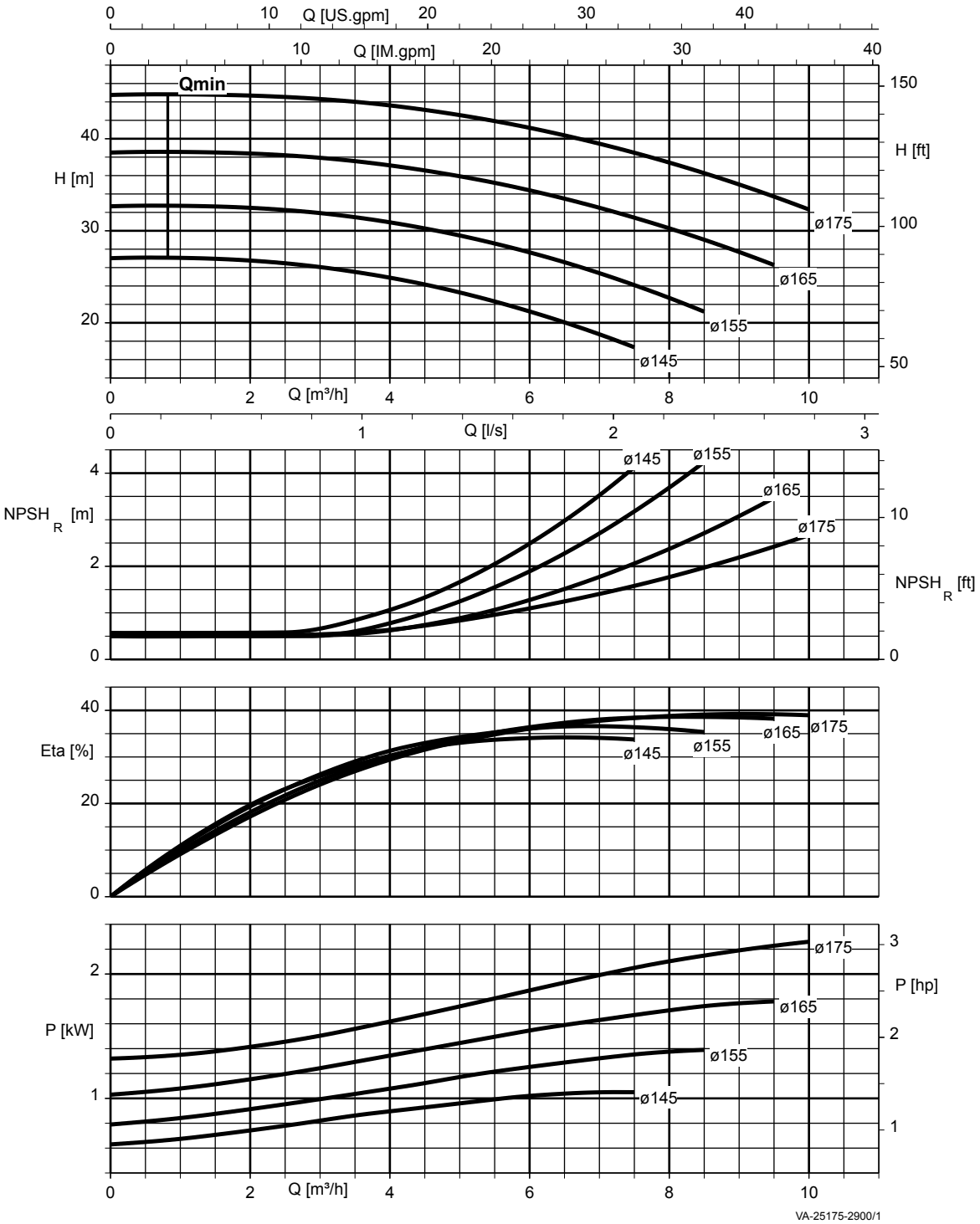


n = 2900 min⁻¹

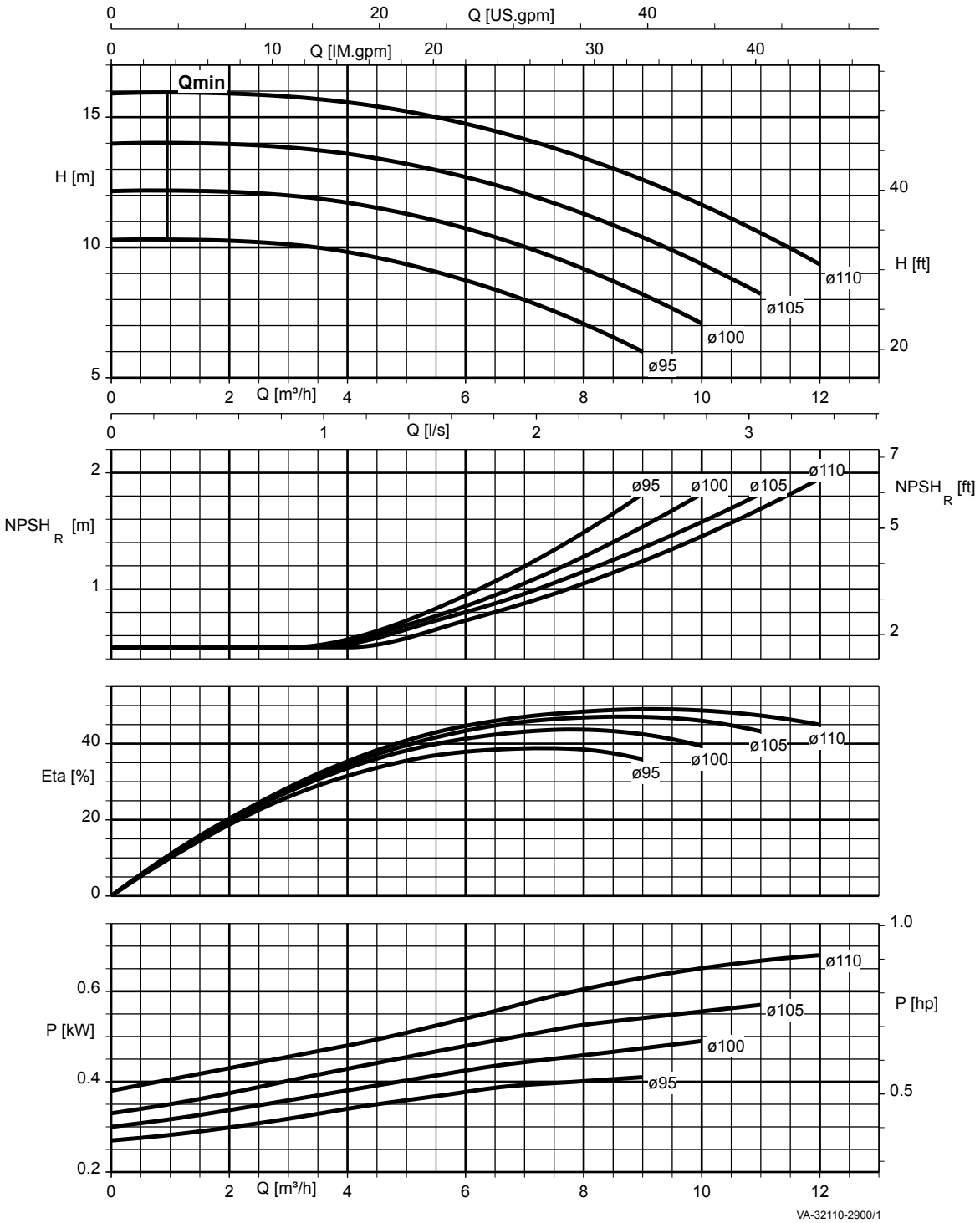
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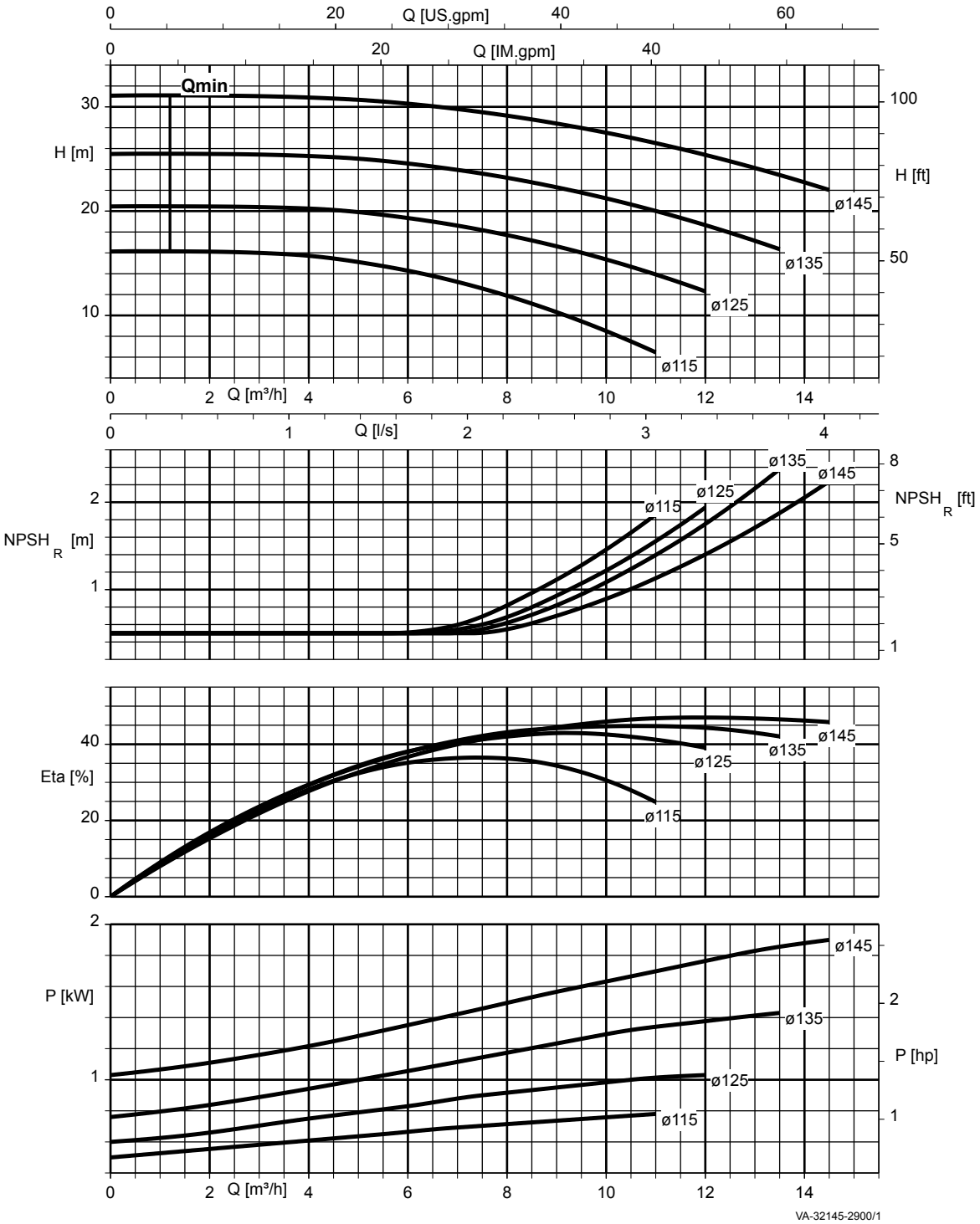
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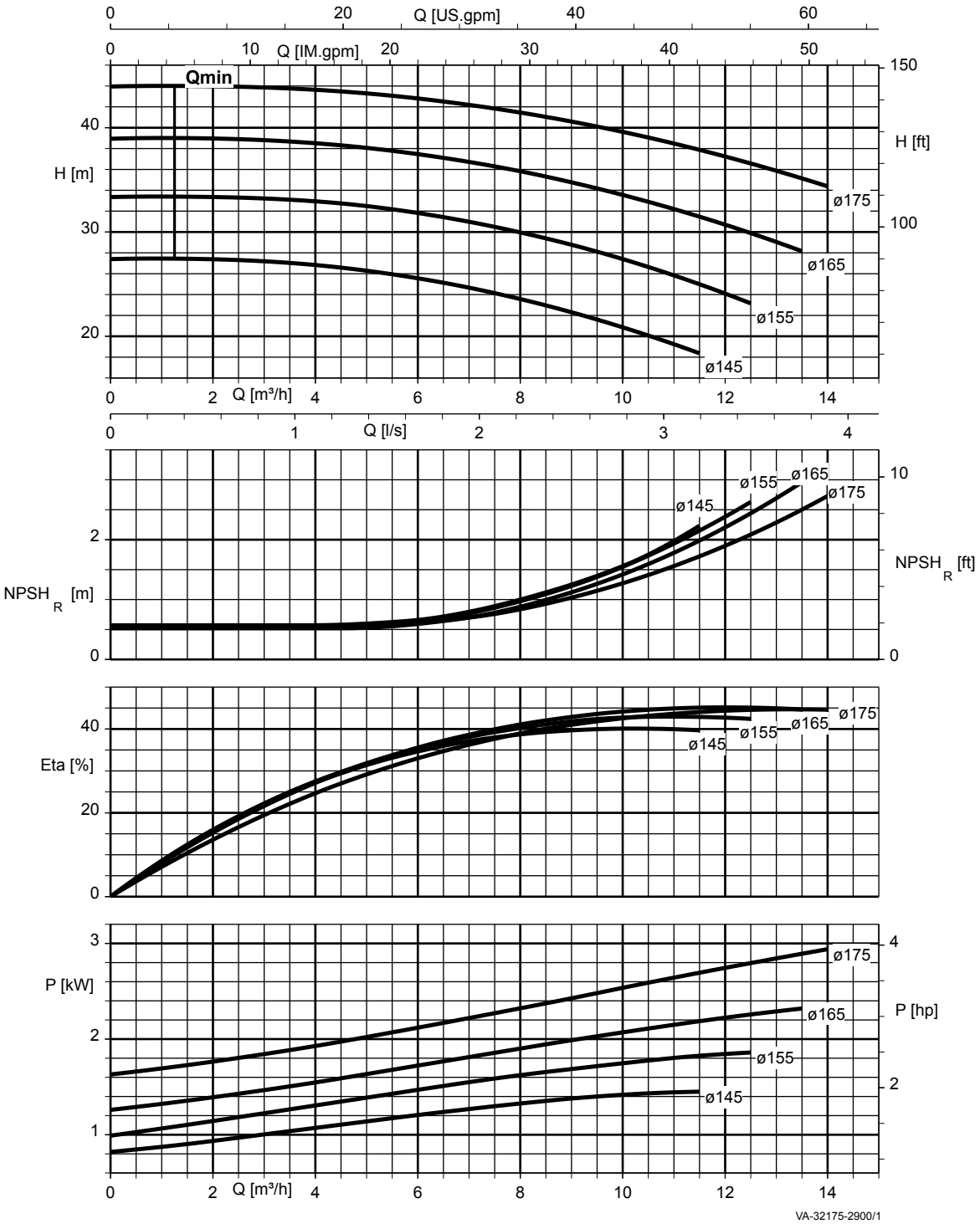
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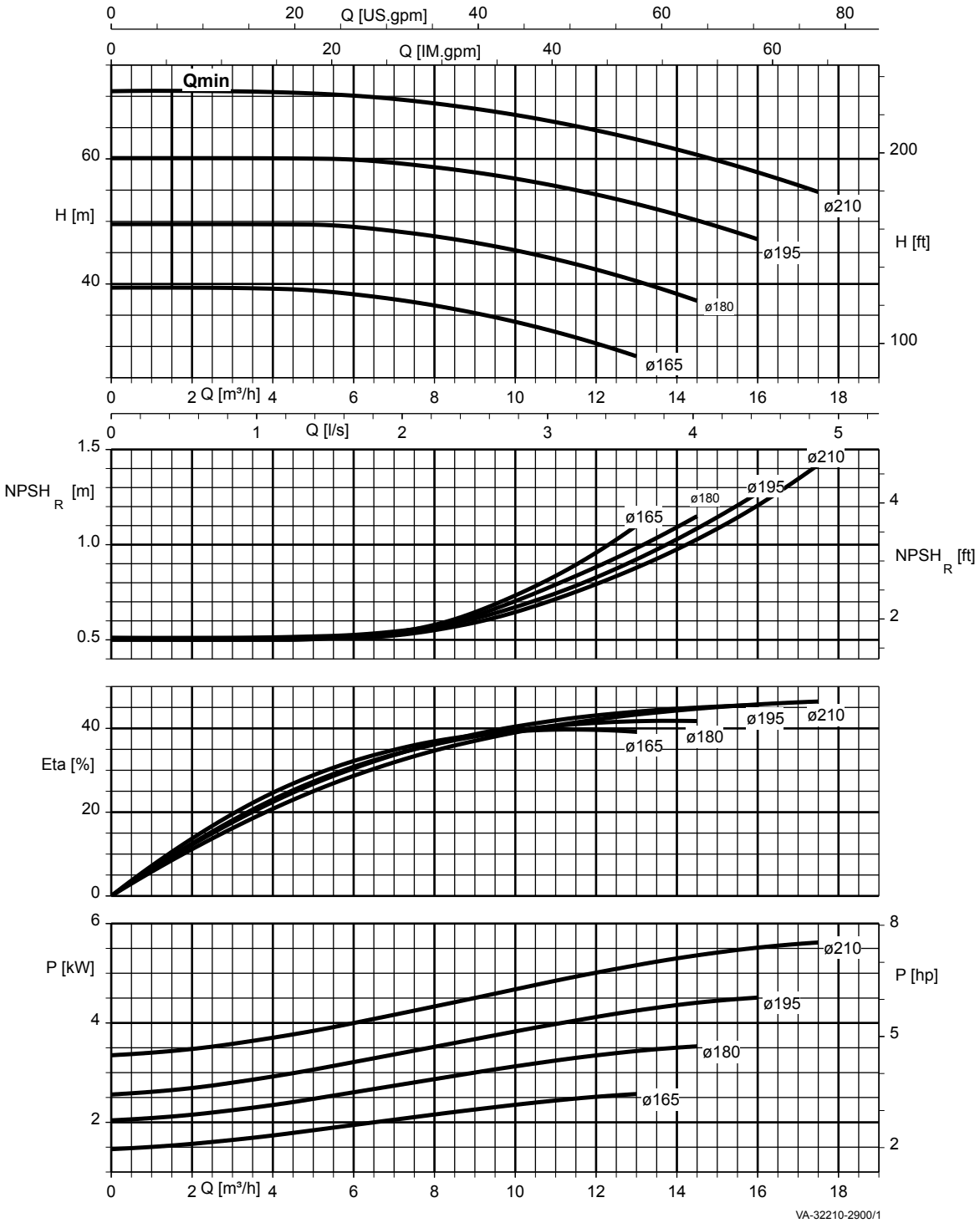
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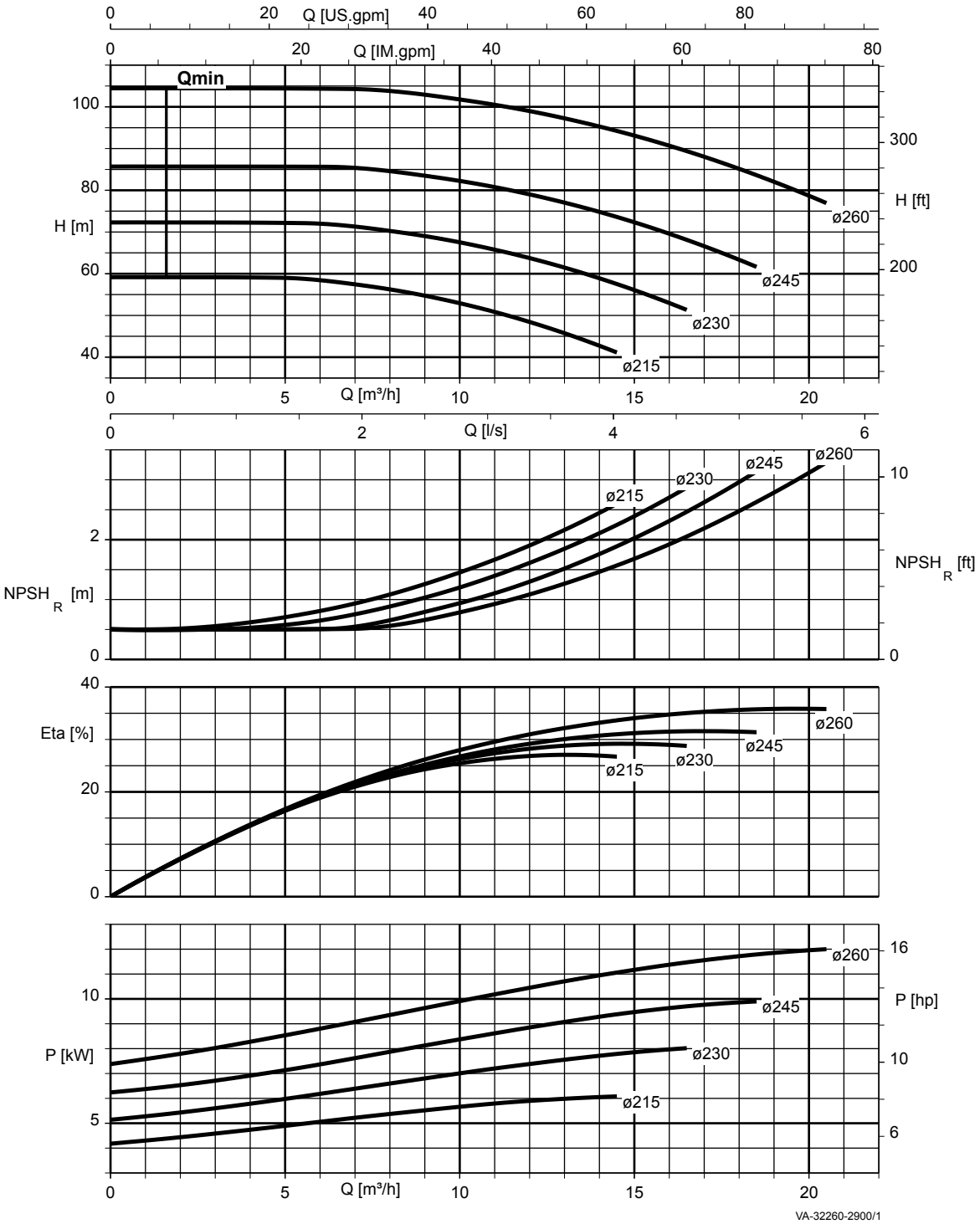
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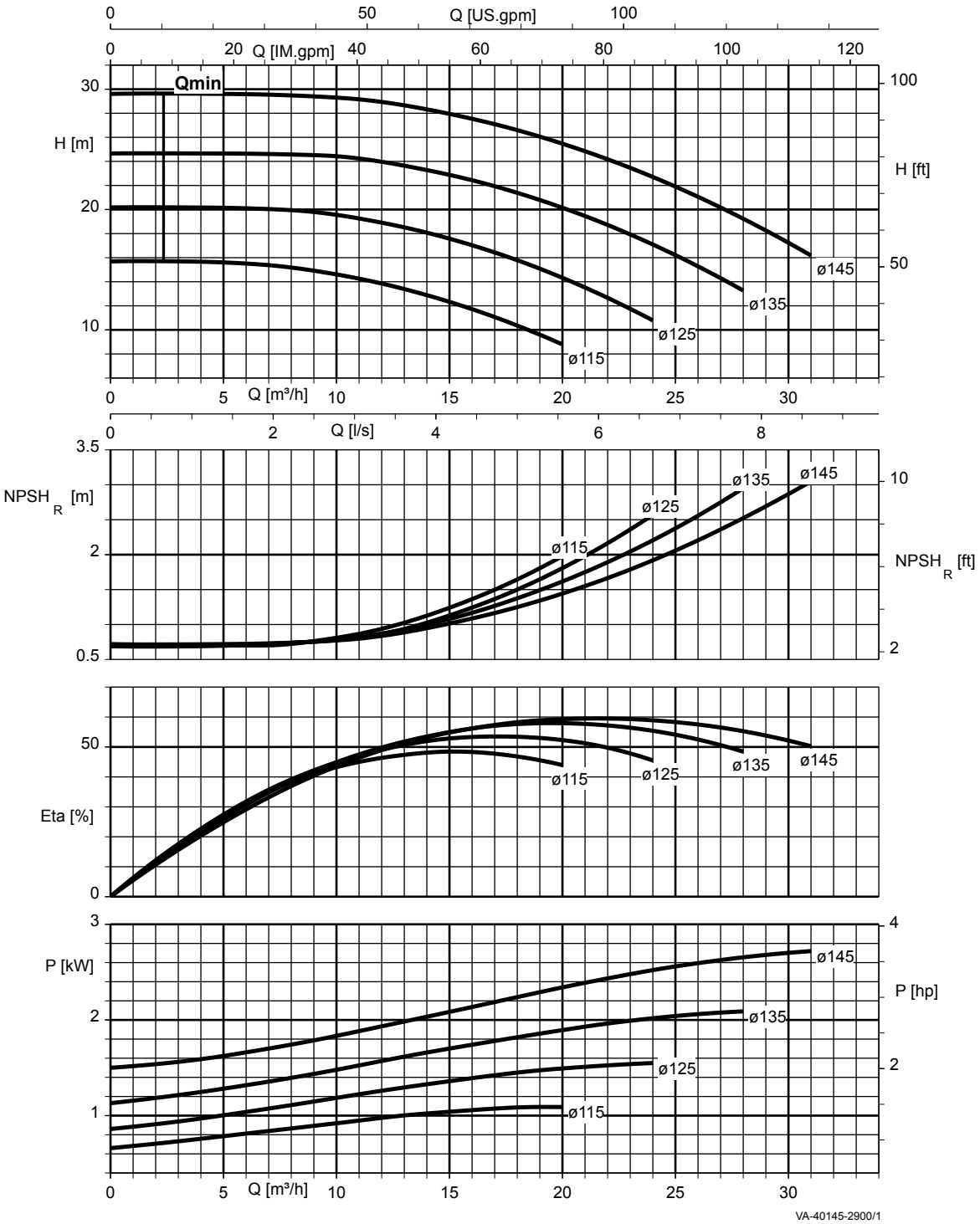
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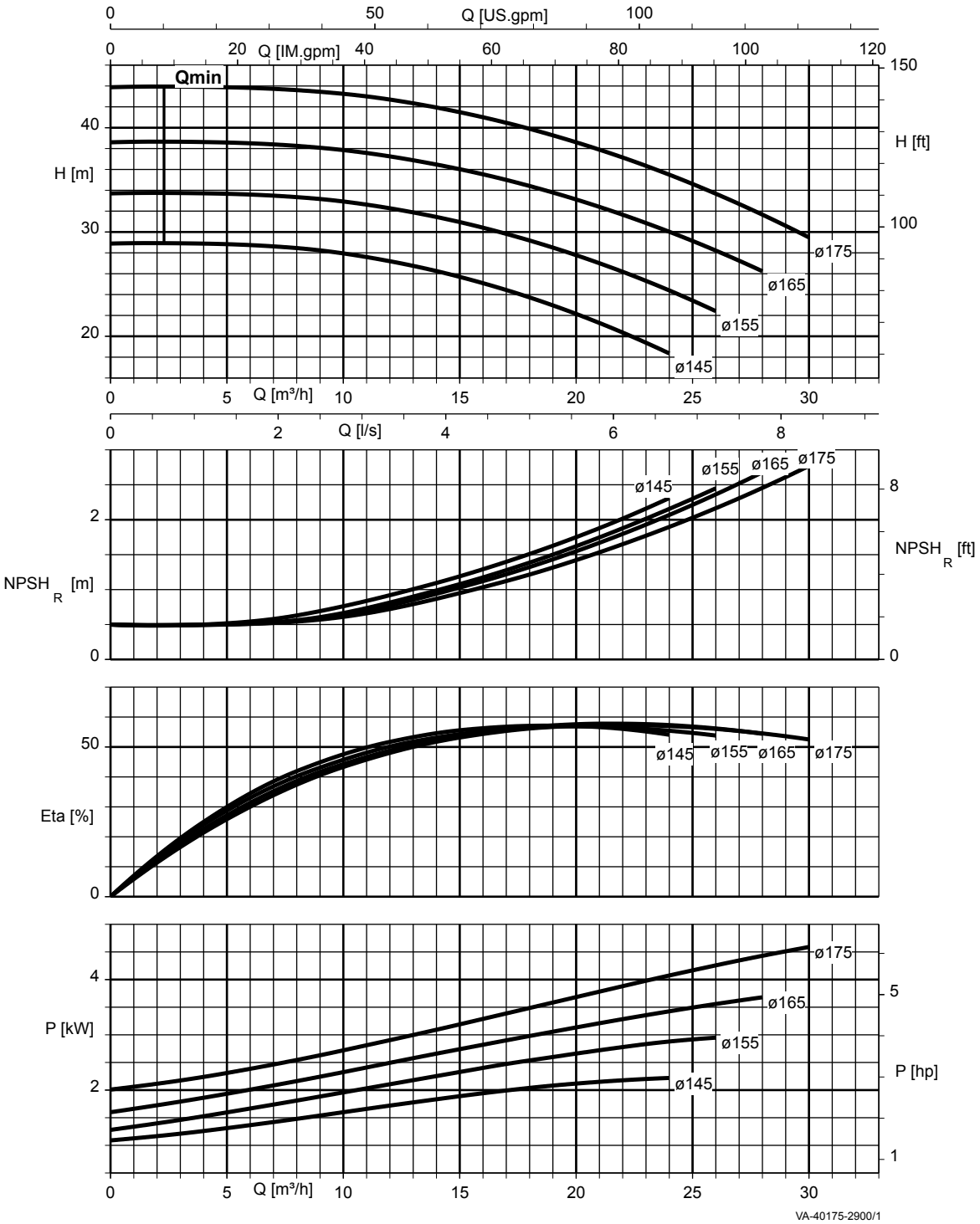
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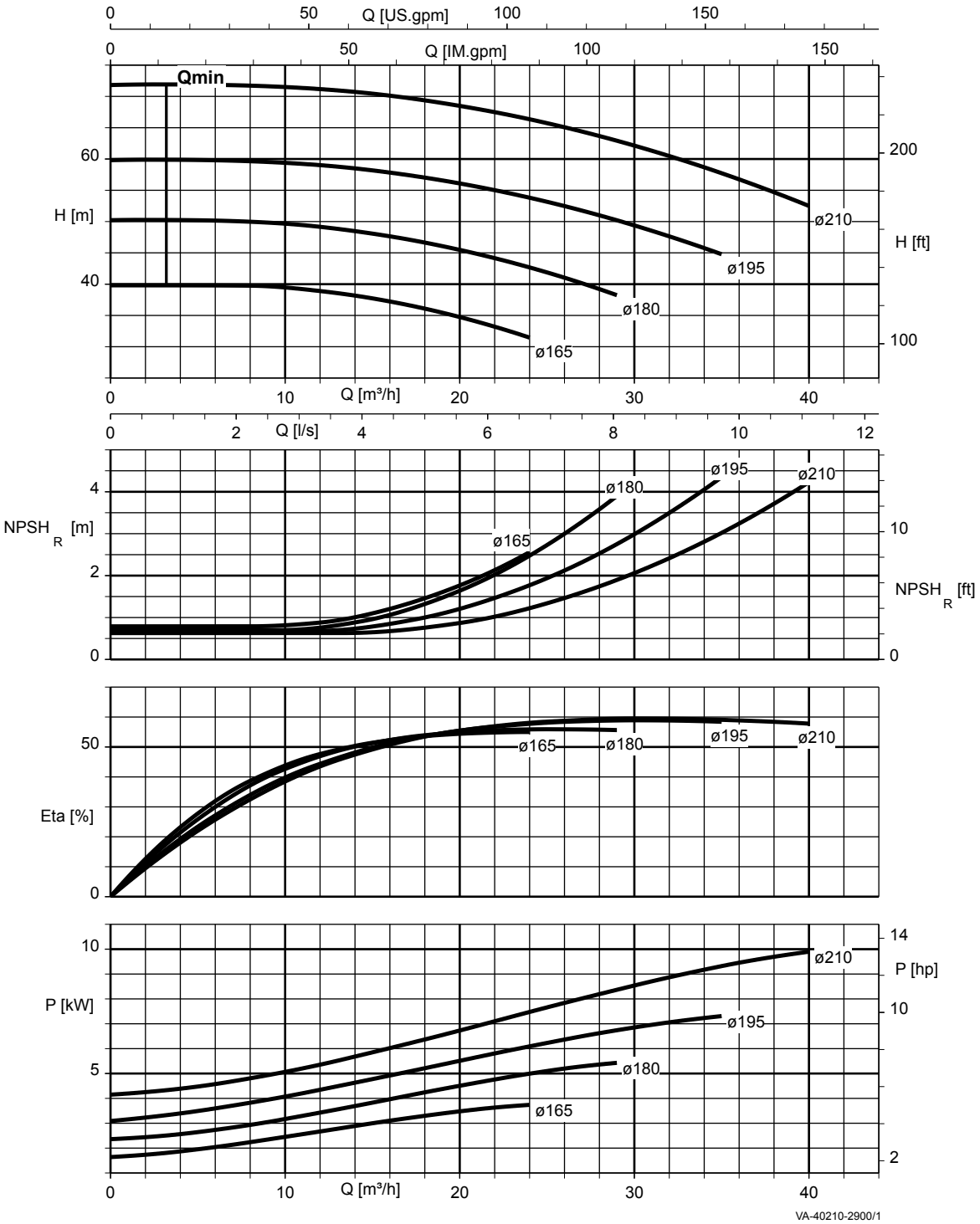
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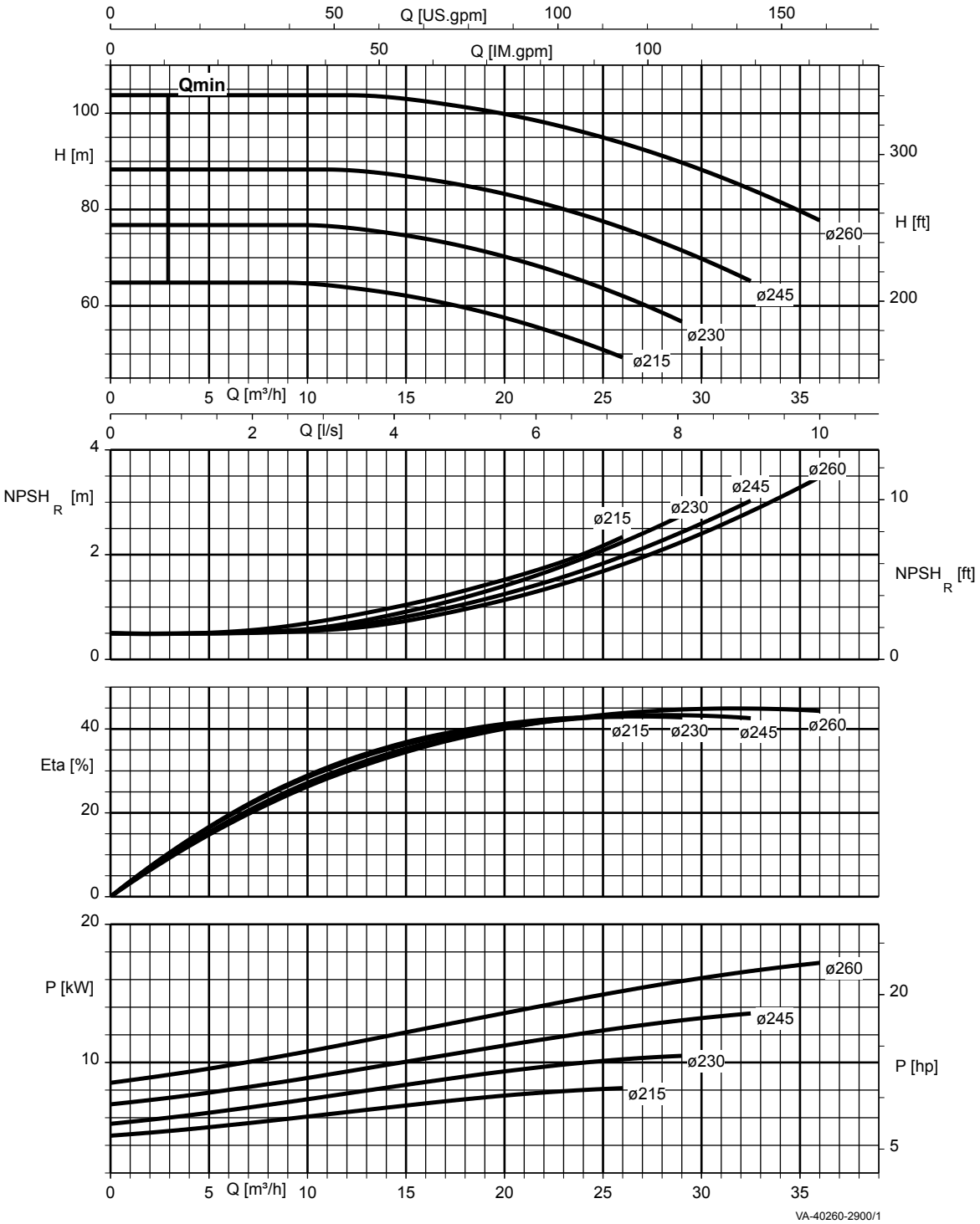
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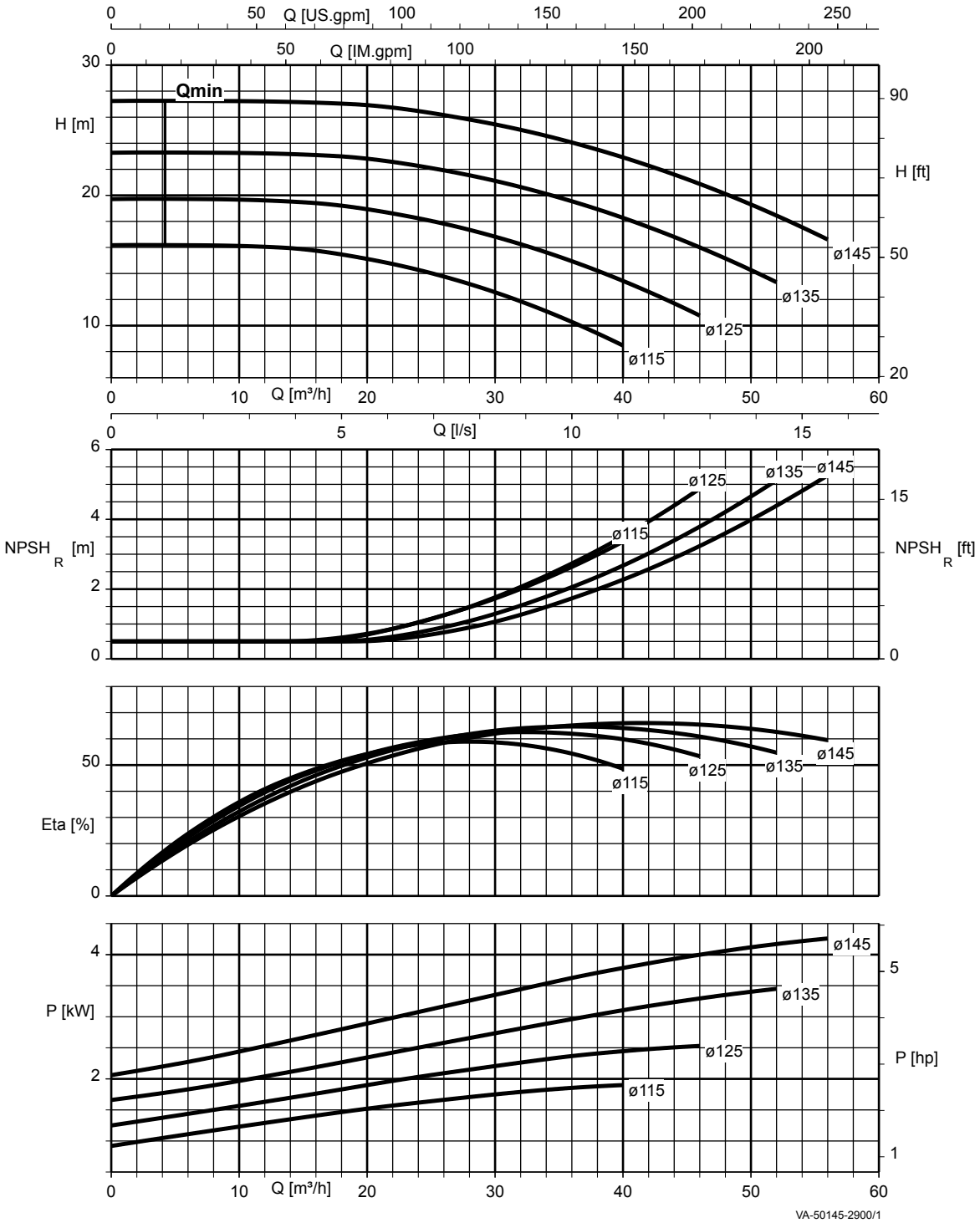
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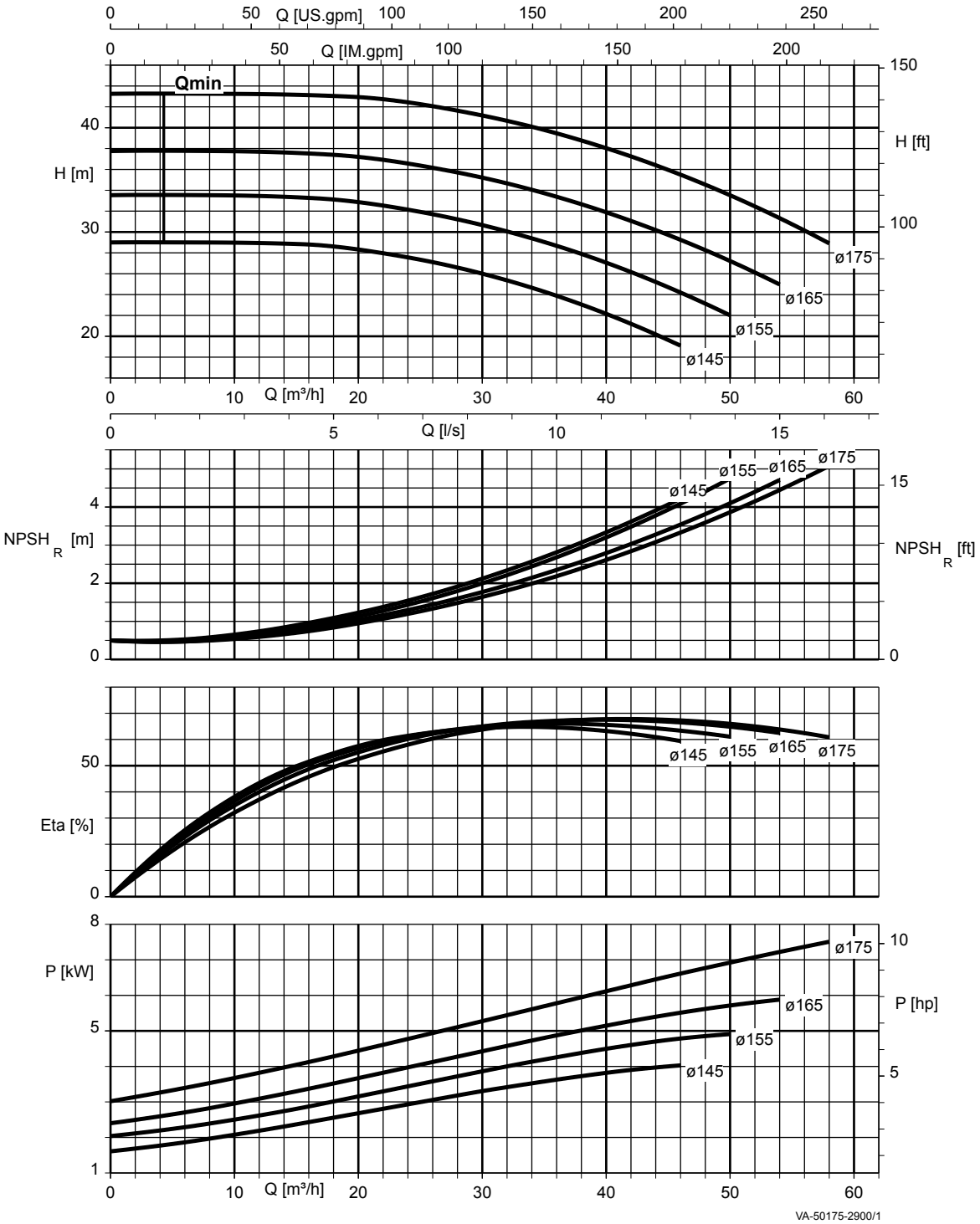
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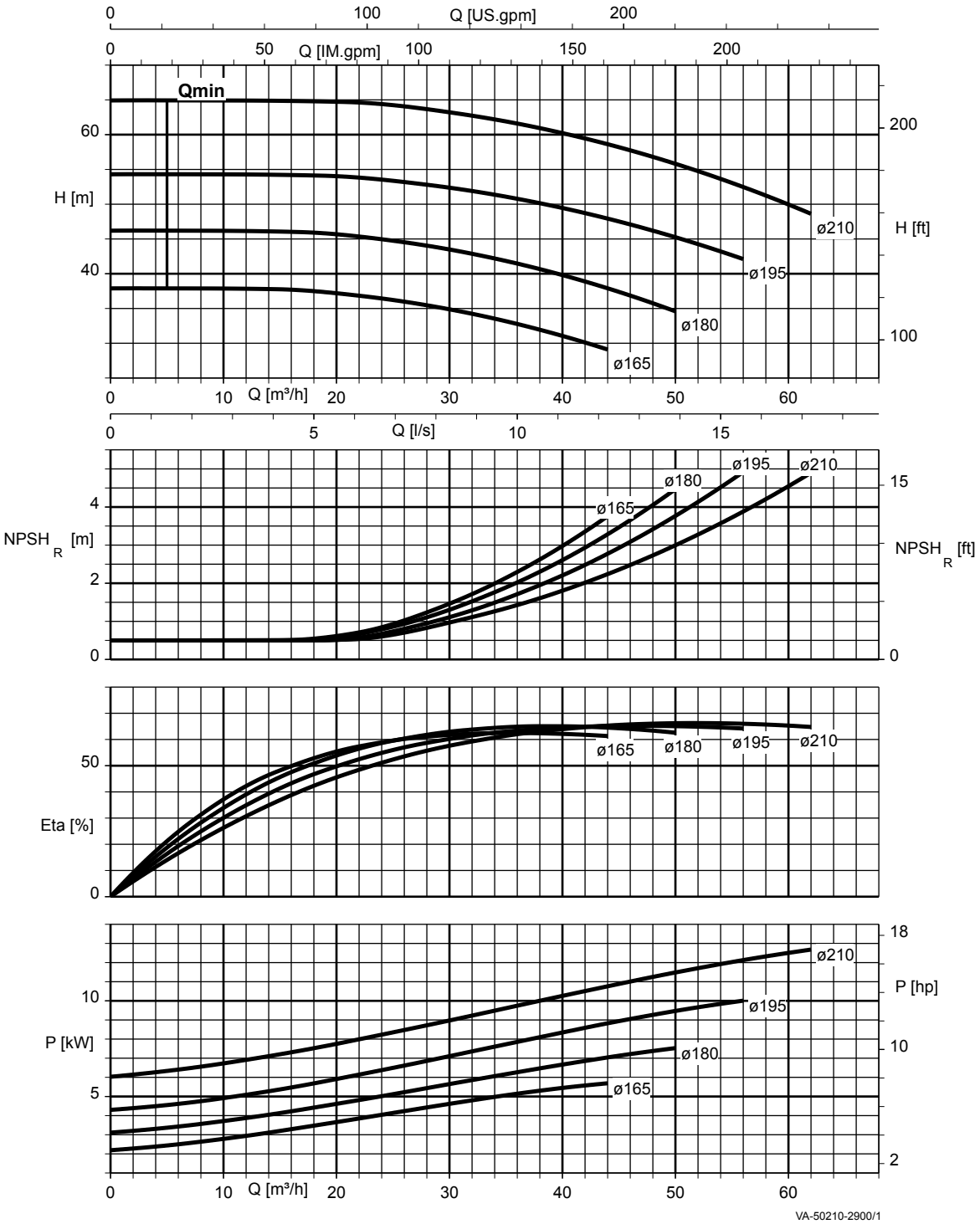
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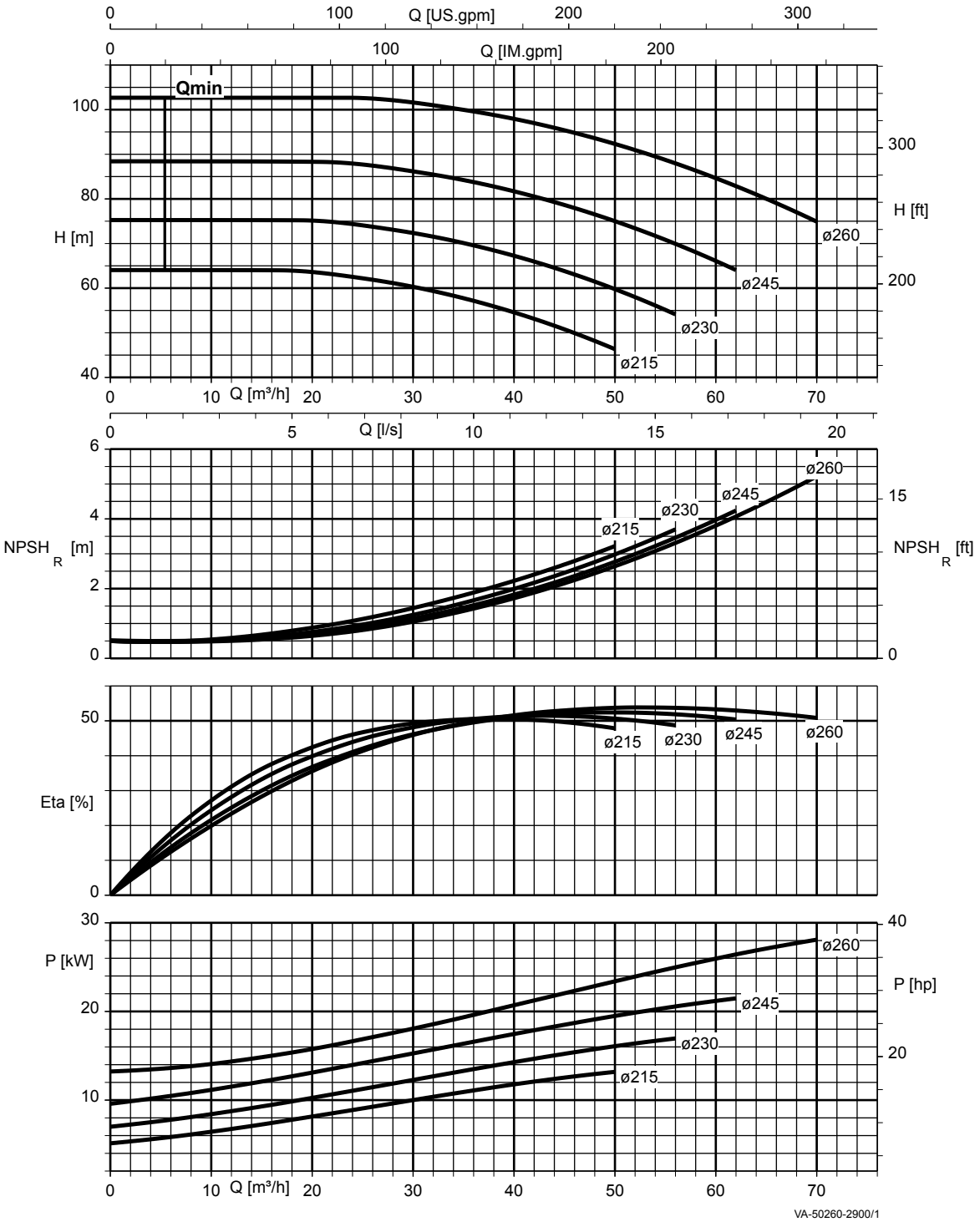
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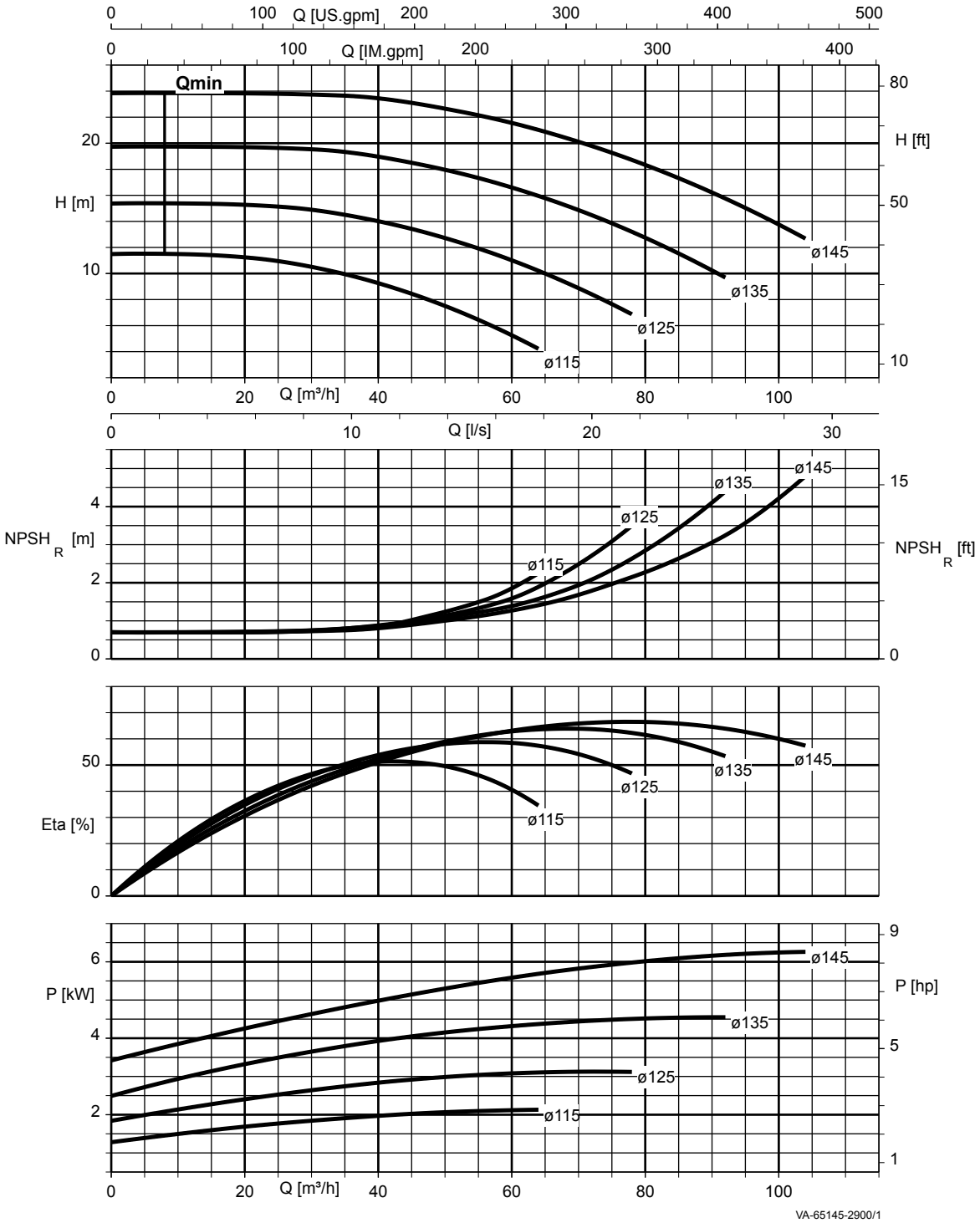
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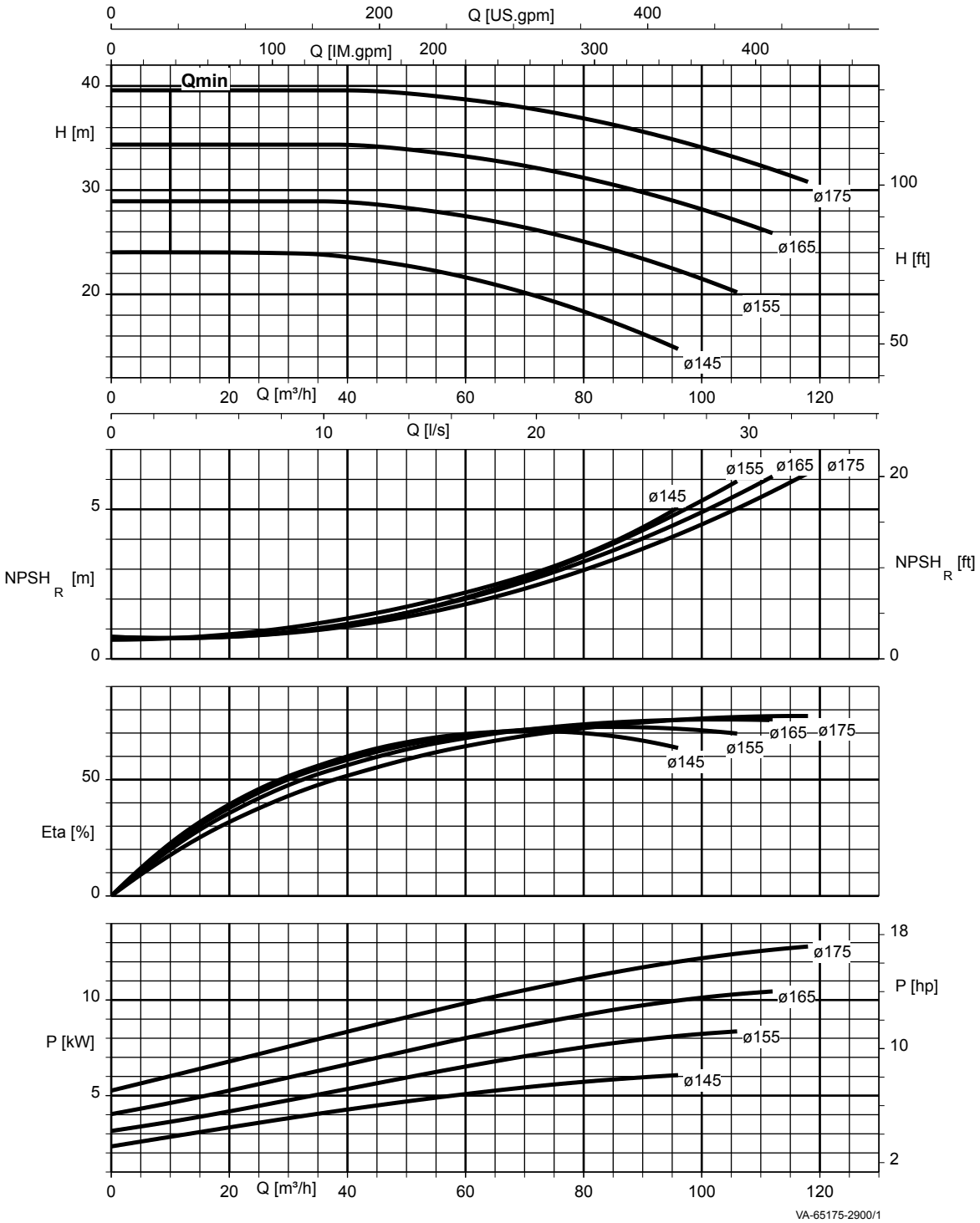
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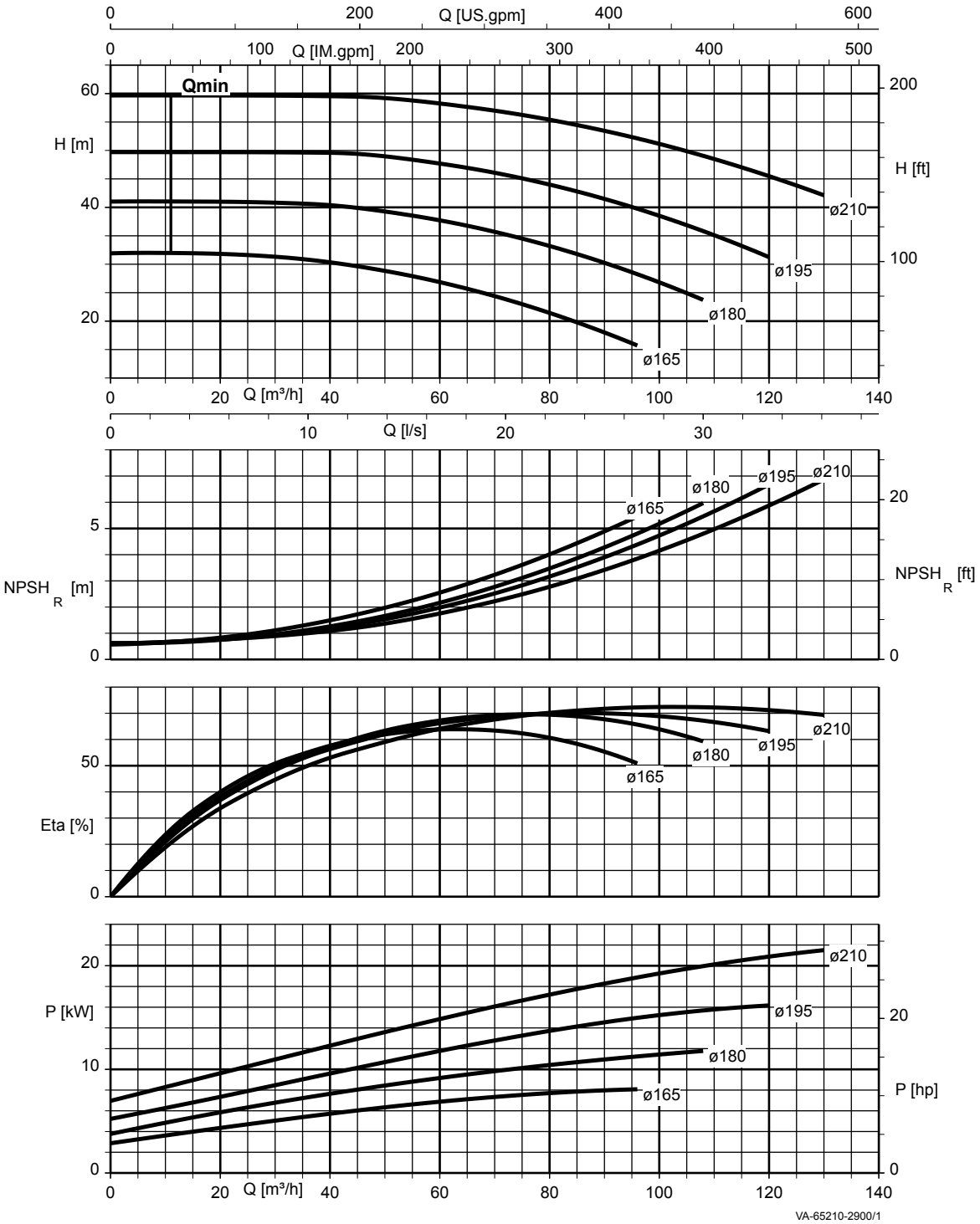
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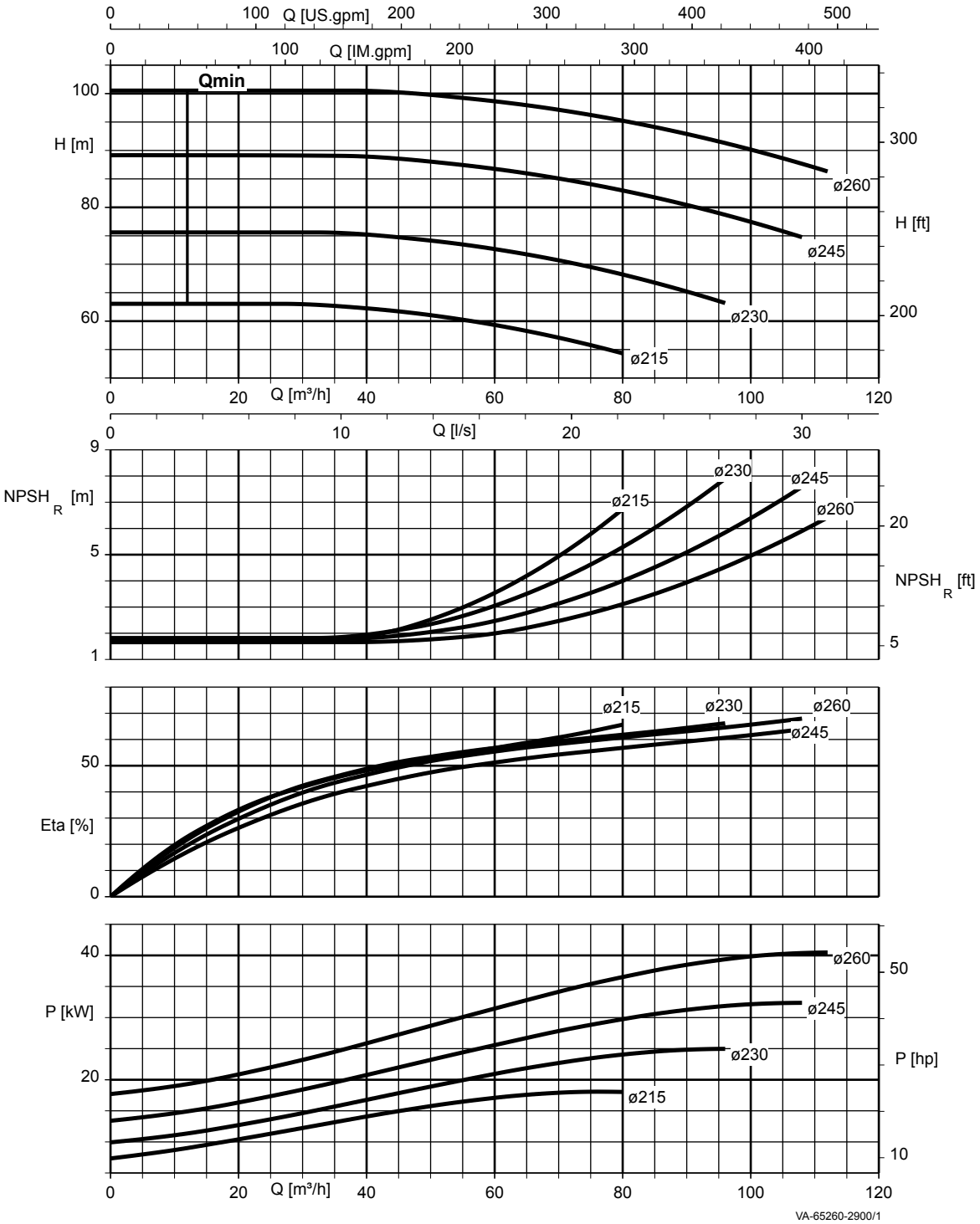
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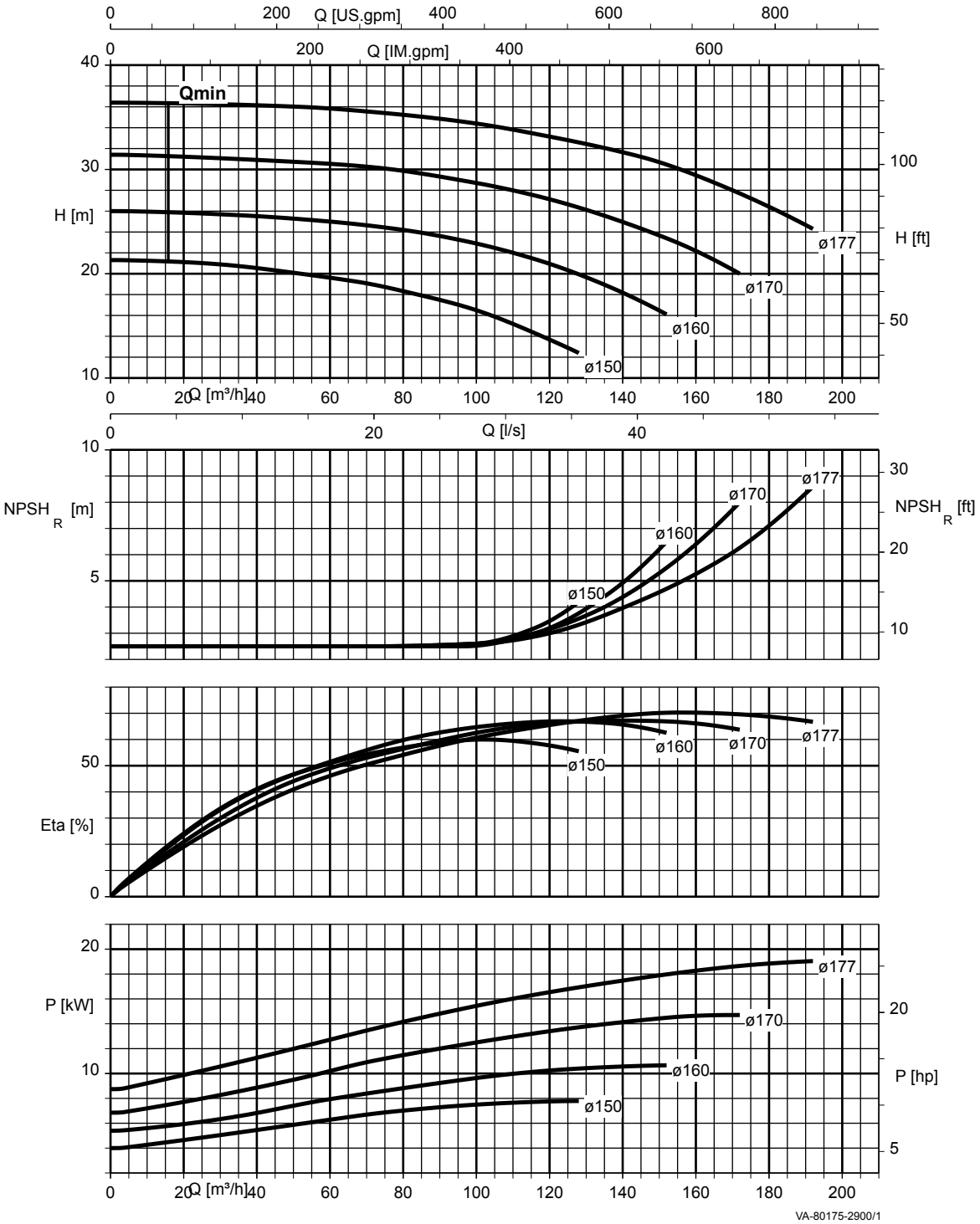
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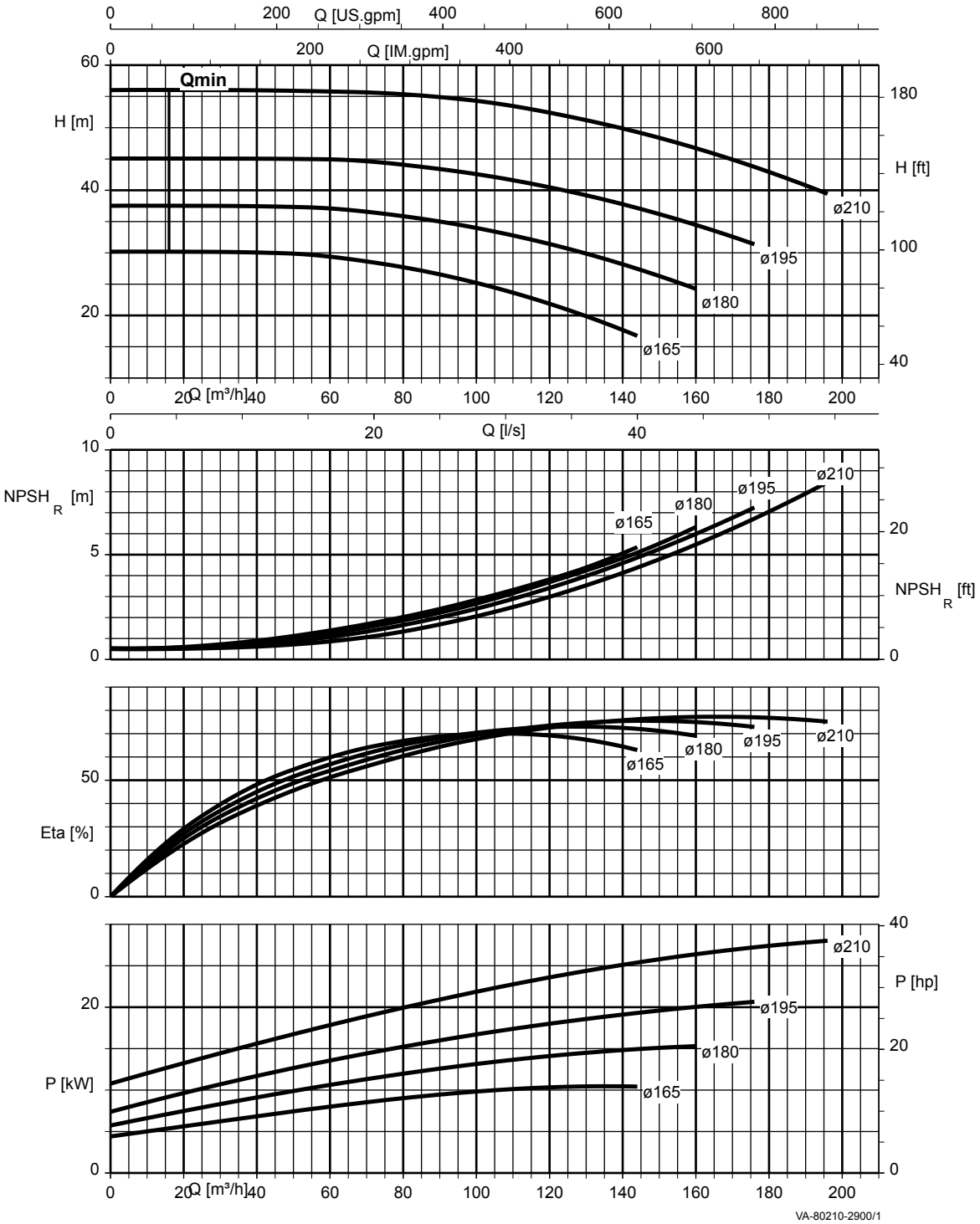
Vitacast 080-065-260, 2900 min⁻¹



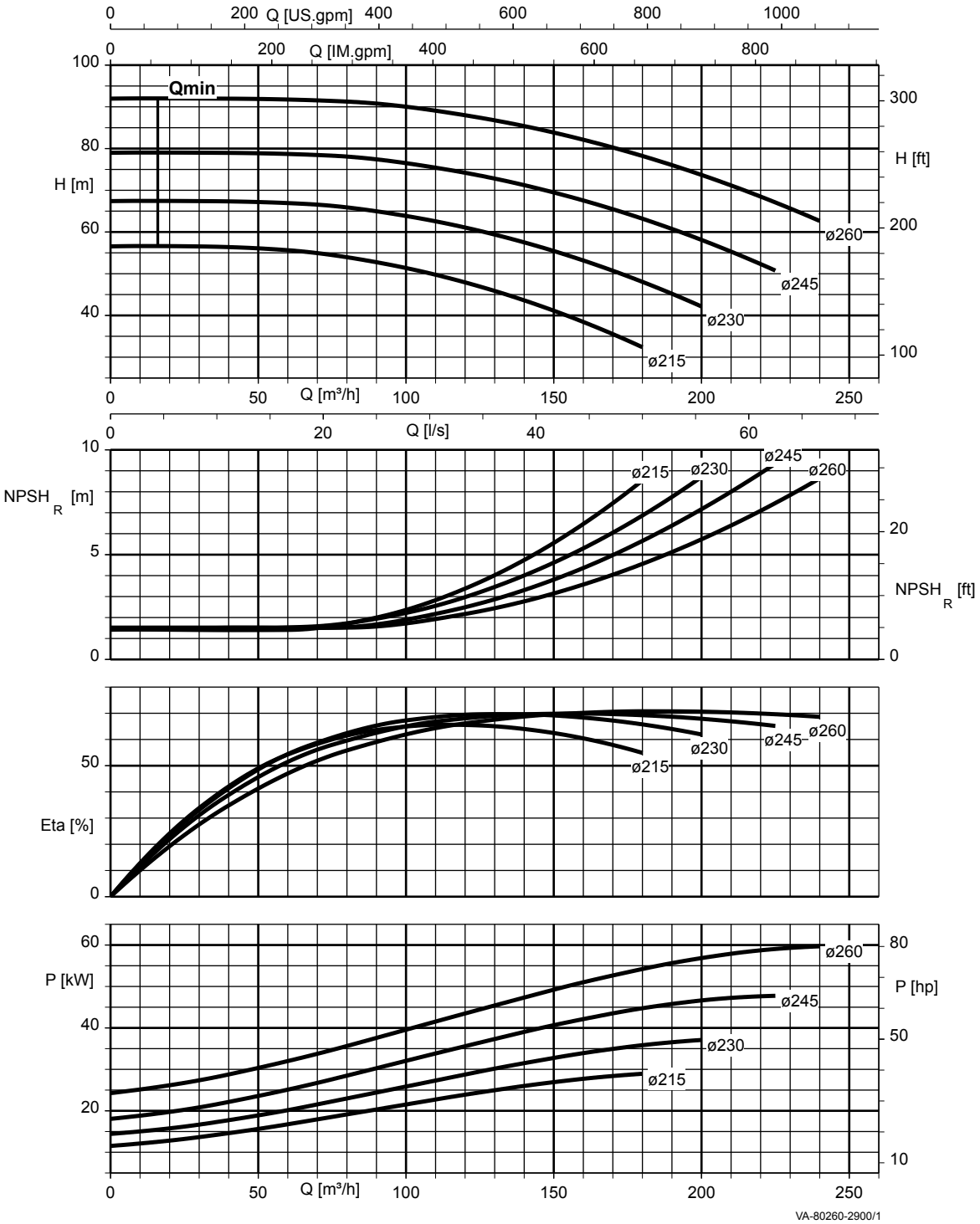
Vitacast 100-080-175, 2900 min⁻¹



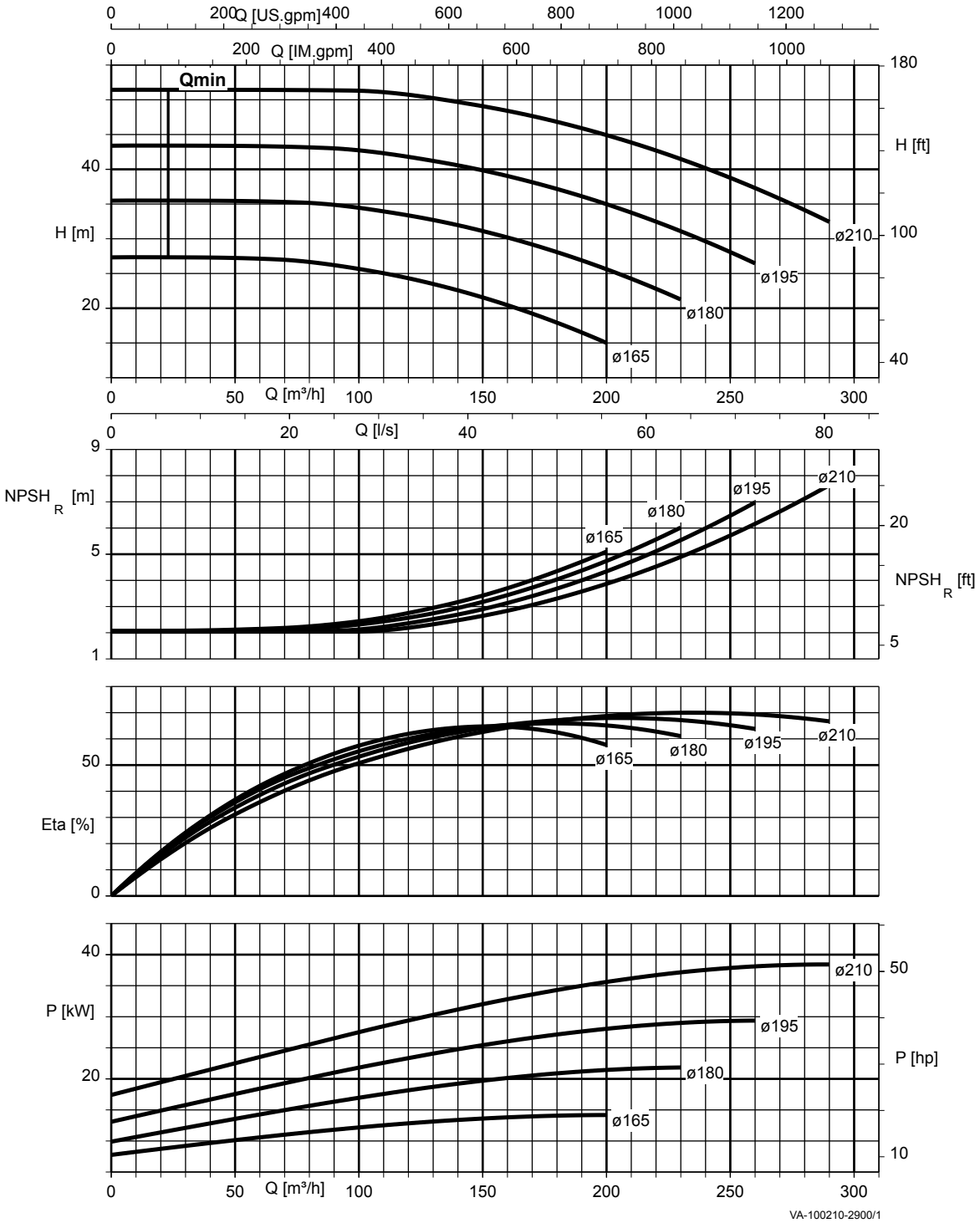
Vitacast 100-080-210, 2900 min⁻¹



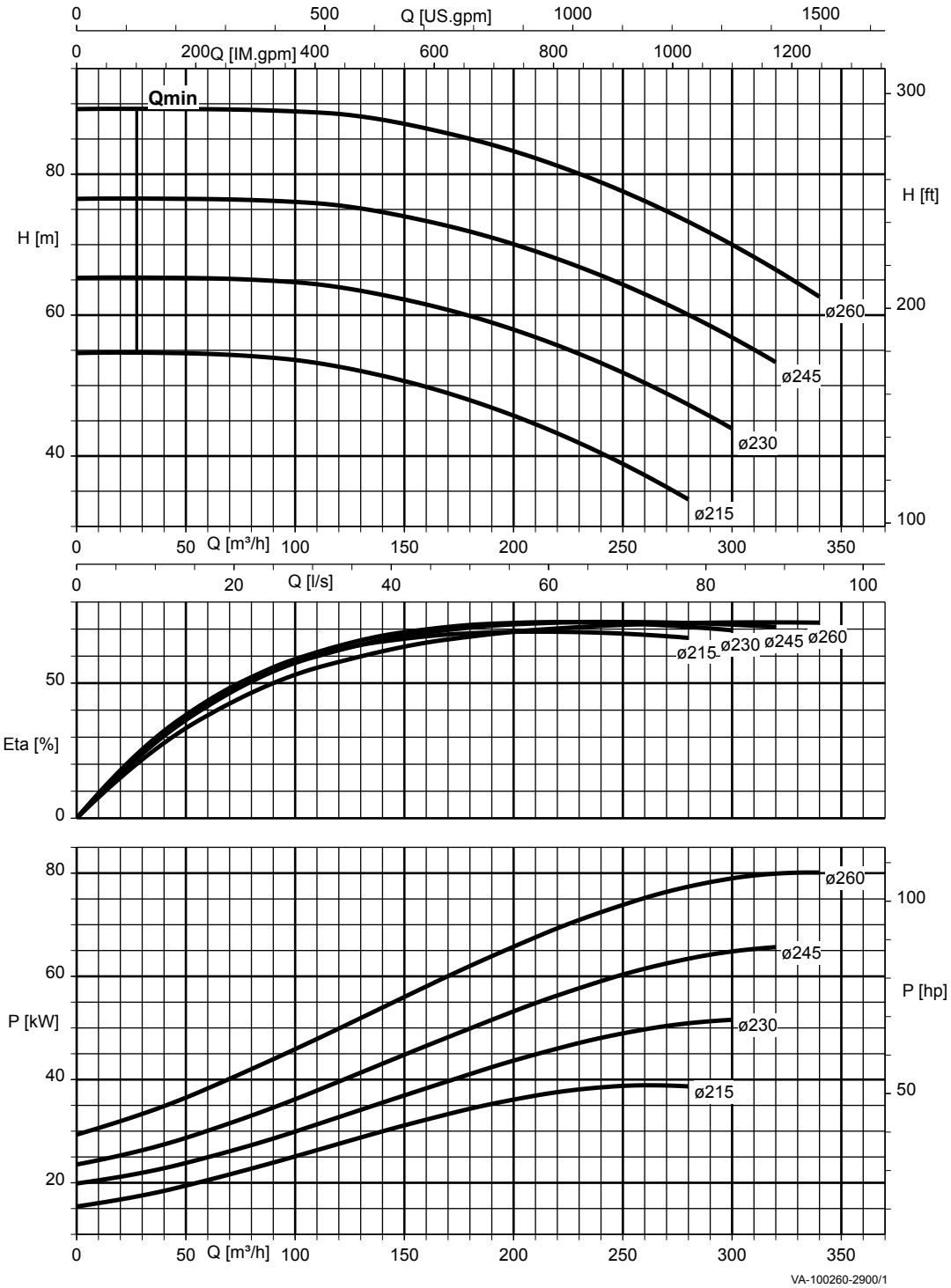
Vitacast 100-080-260, 2900 min⁻¹



Vitacast 125-100-210, 2900 min⁻¹

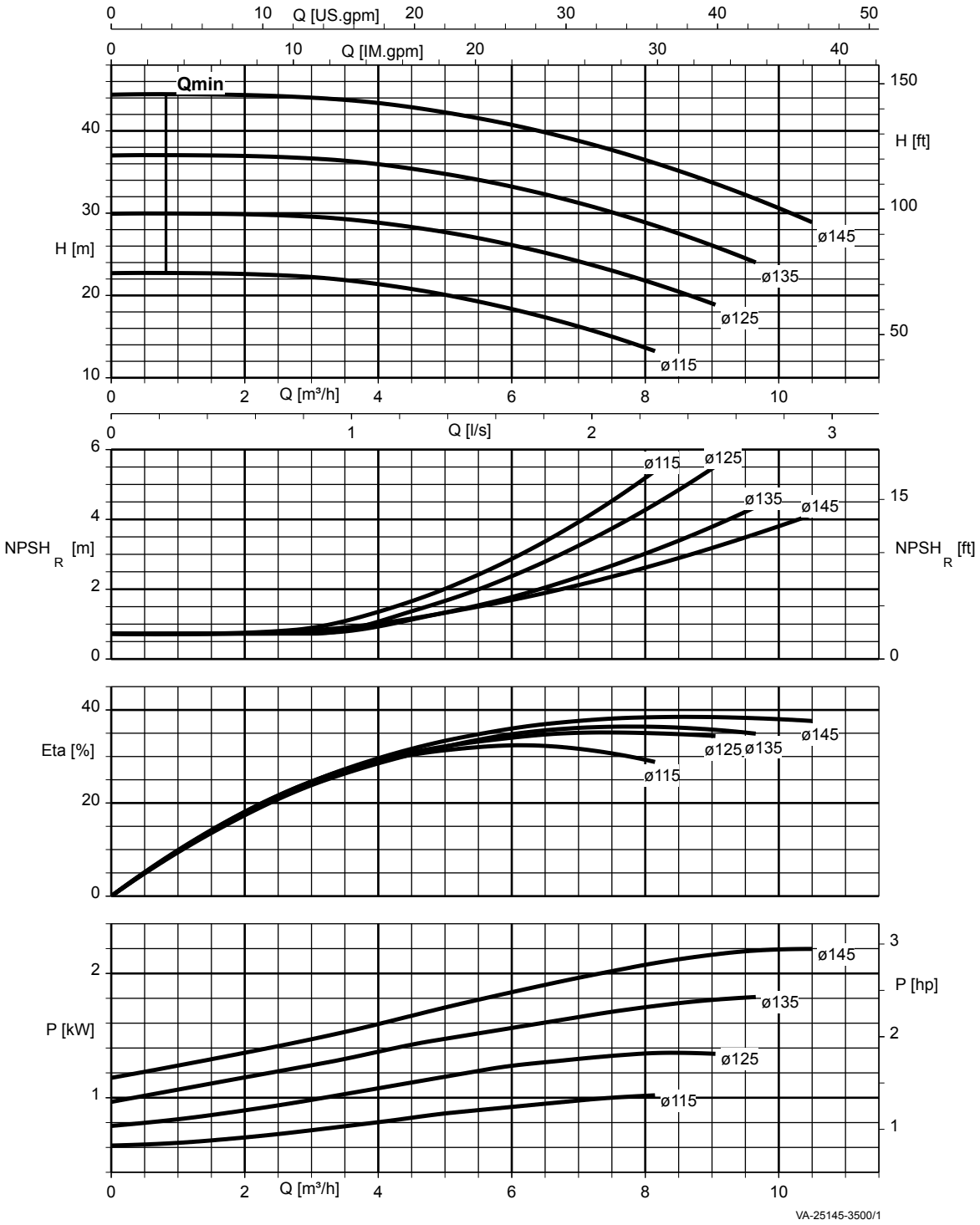


Vitacast 125-100-260, 2900 min⁻¹

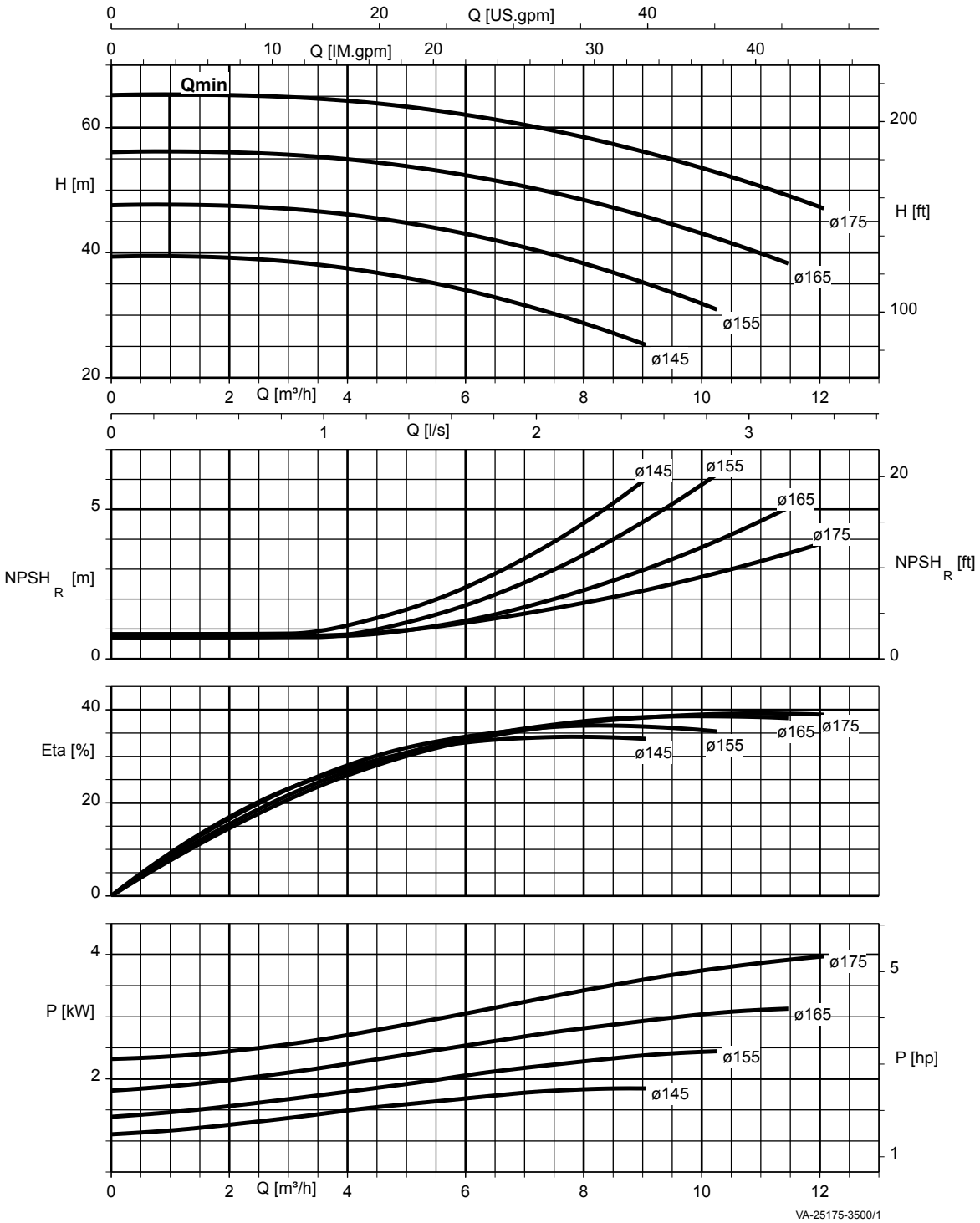


n = 3500 min⁻¹

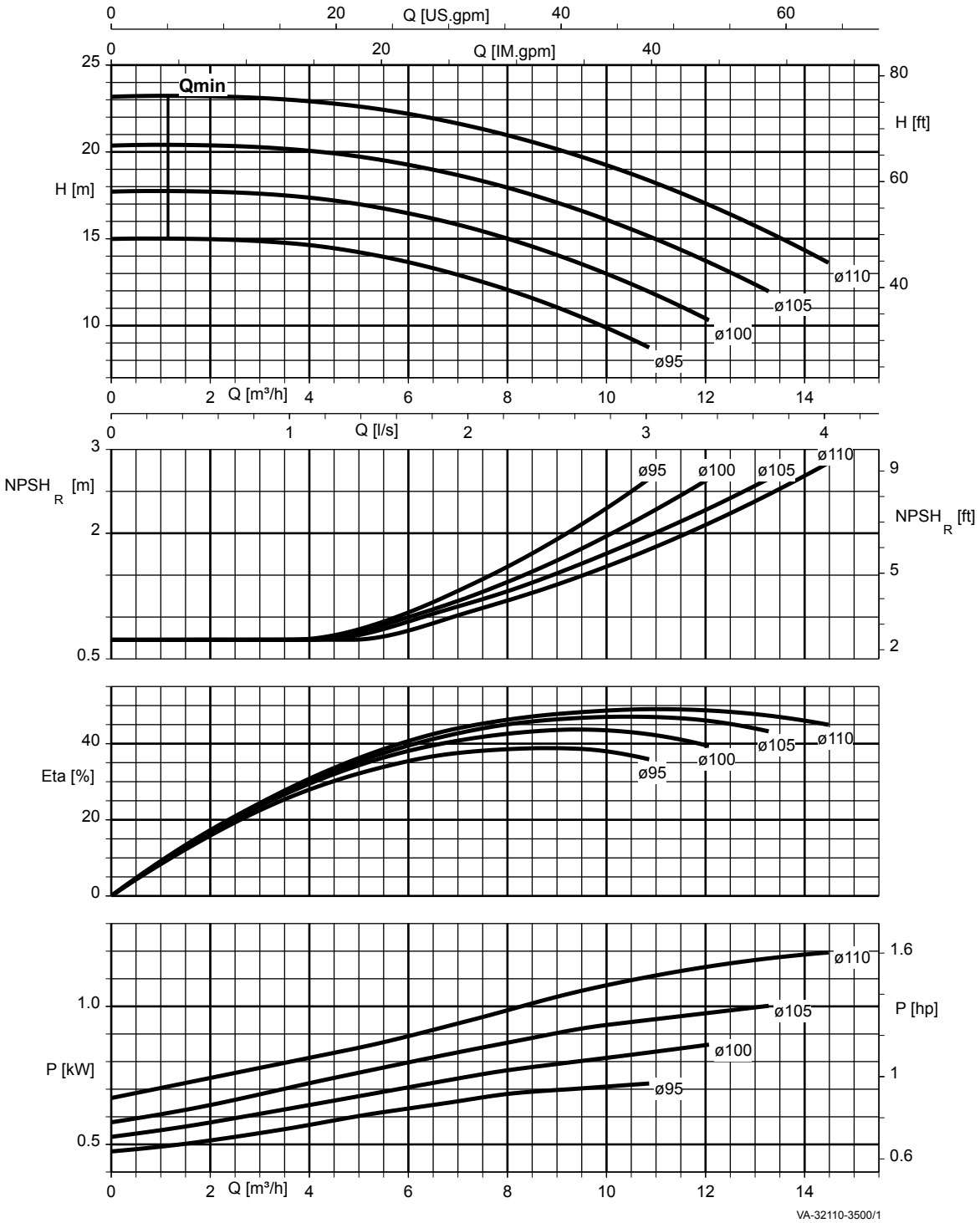
Vitacast 032-025-145, 3500 min⁻¹



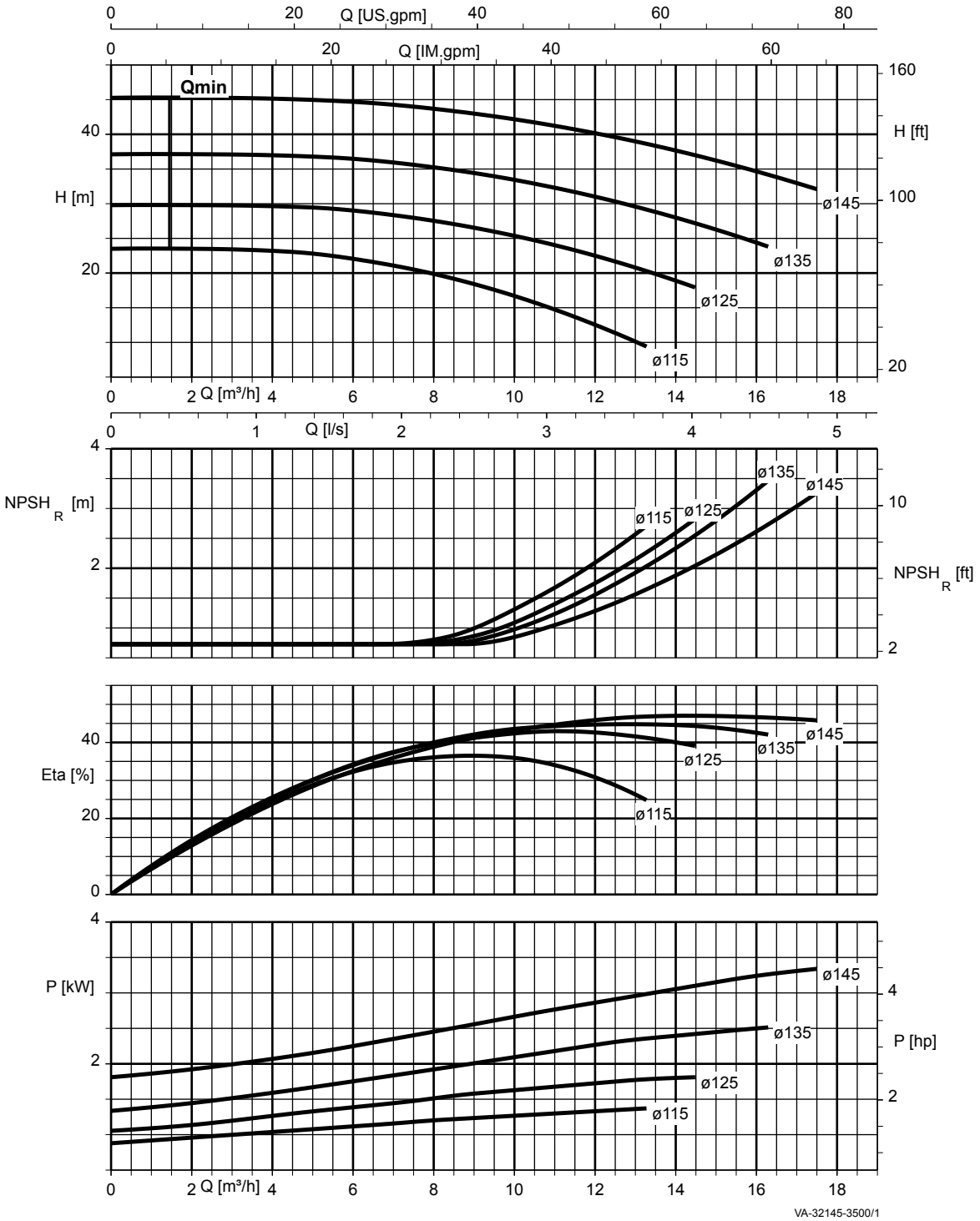
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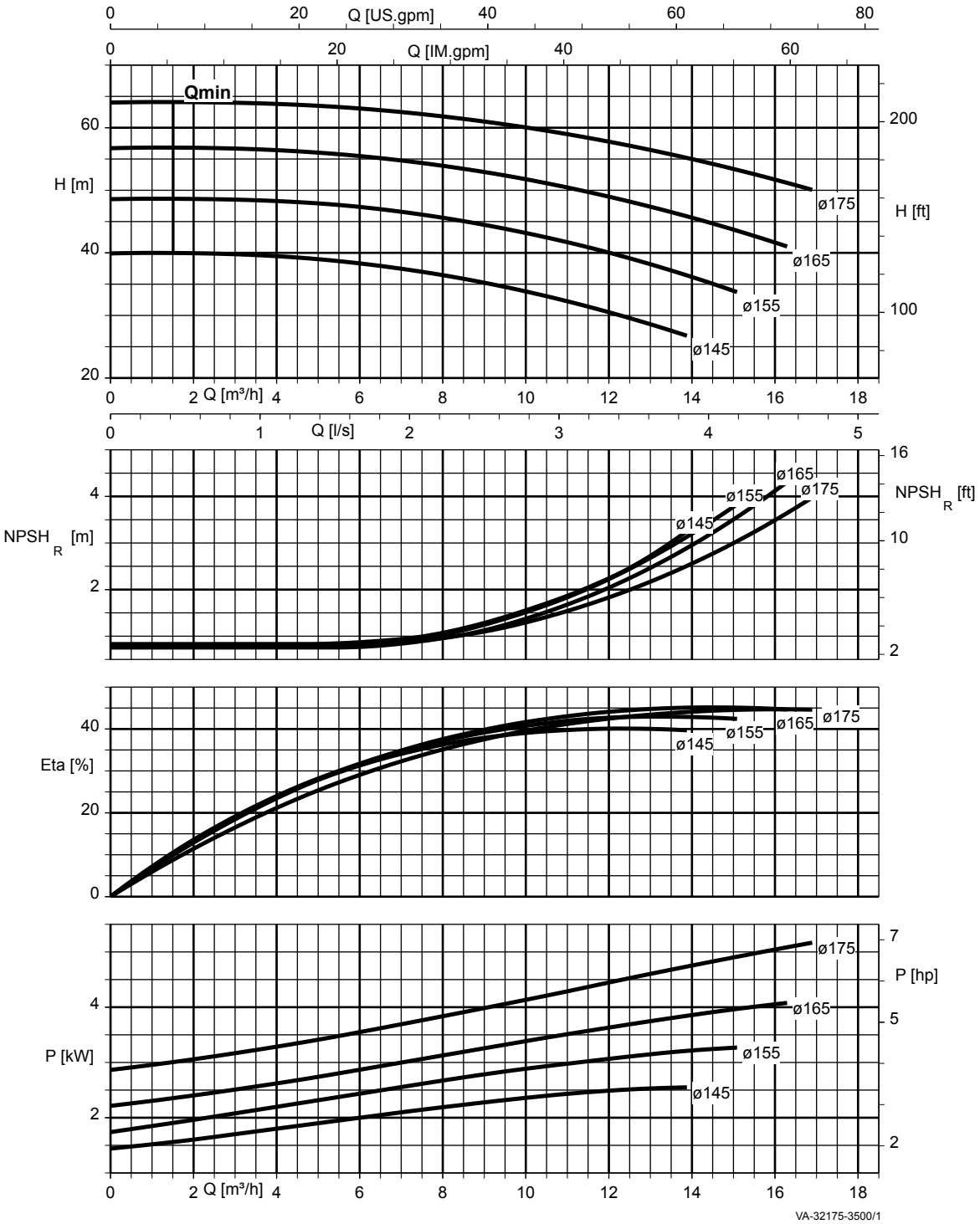
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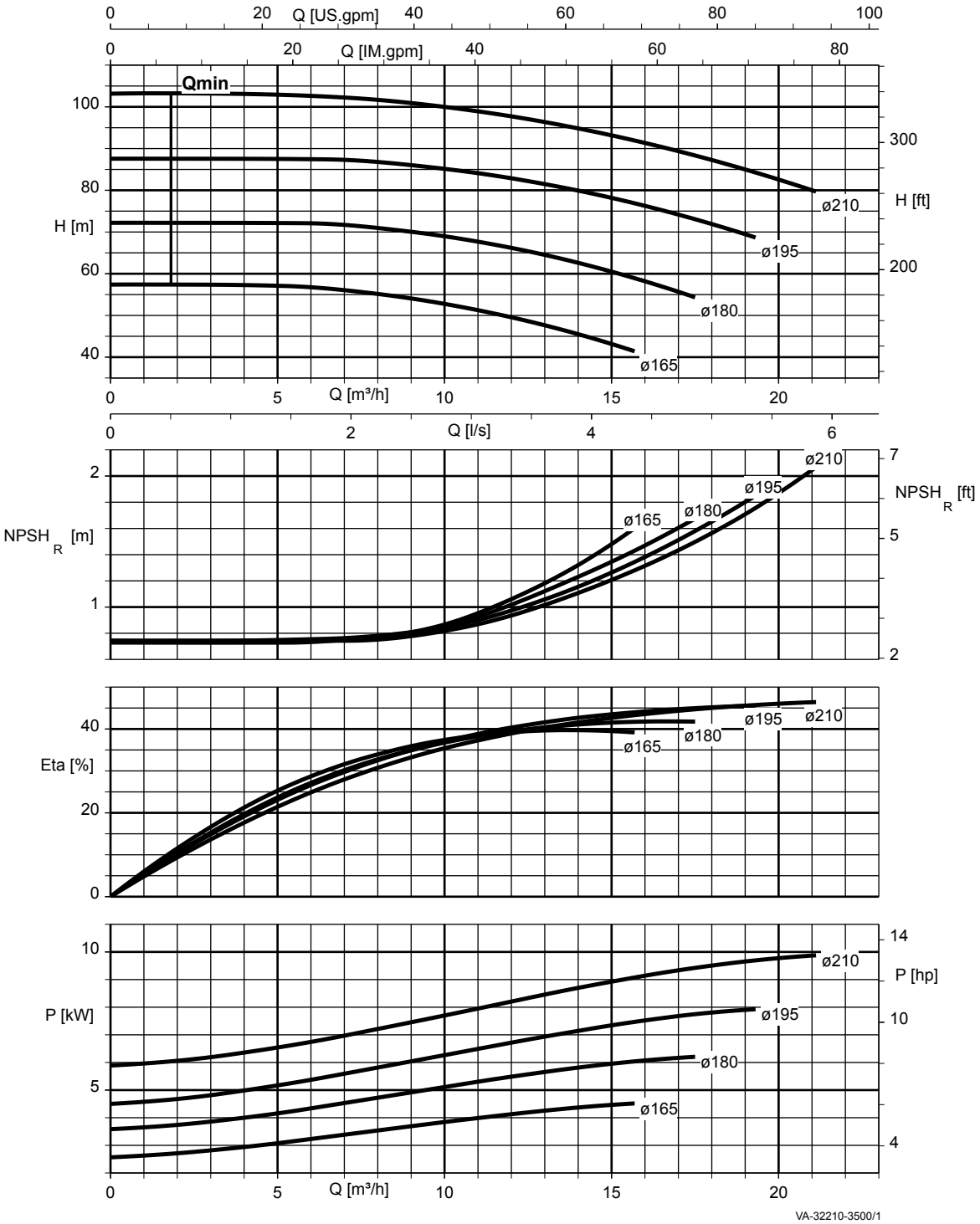
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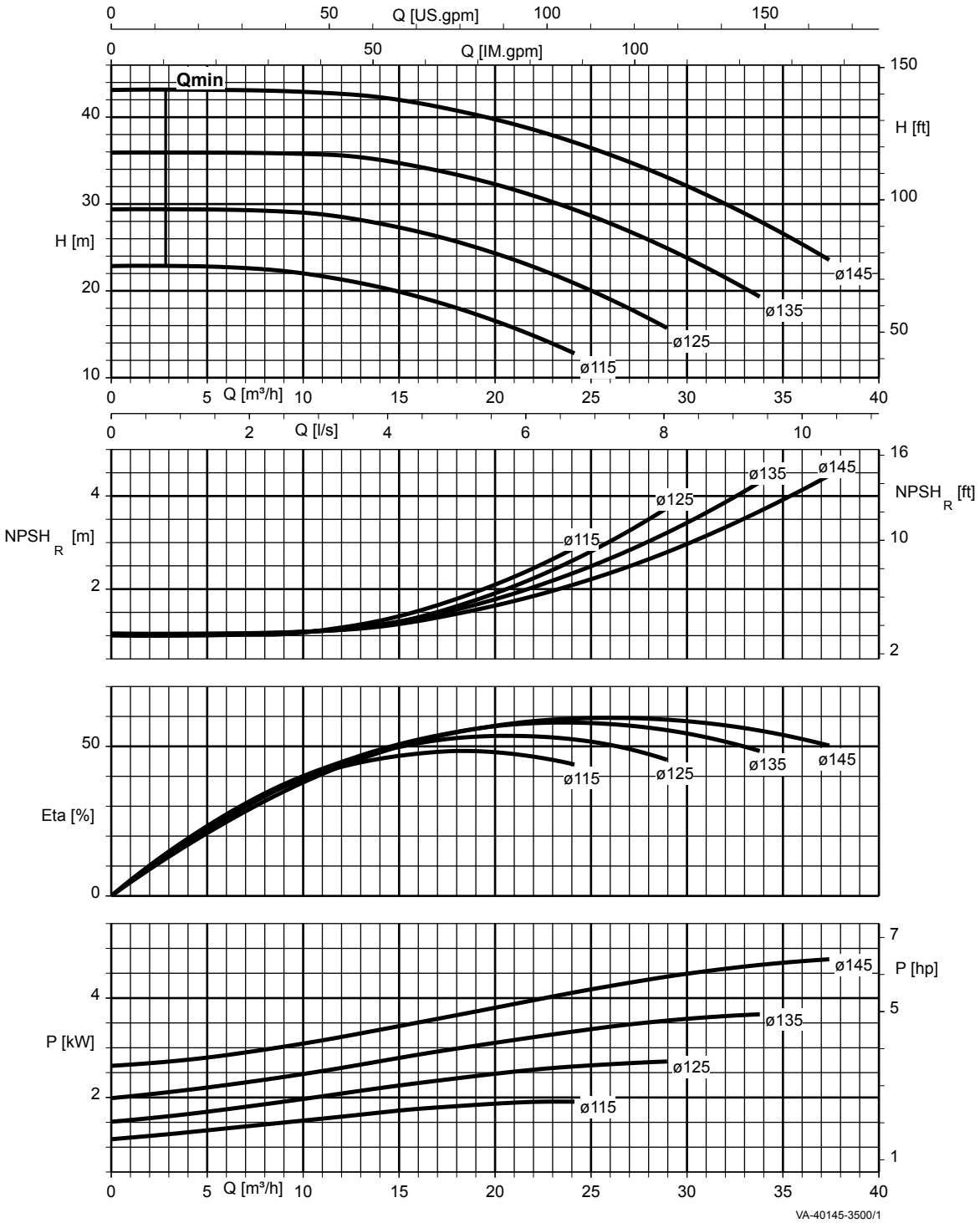
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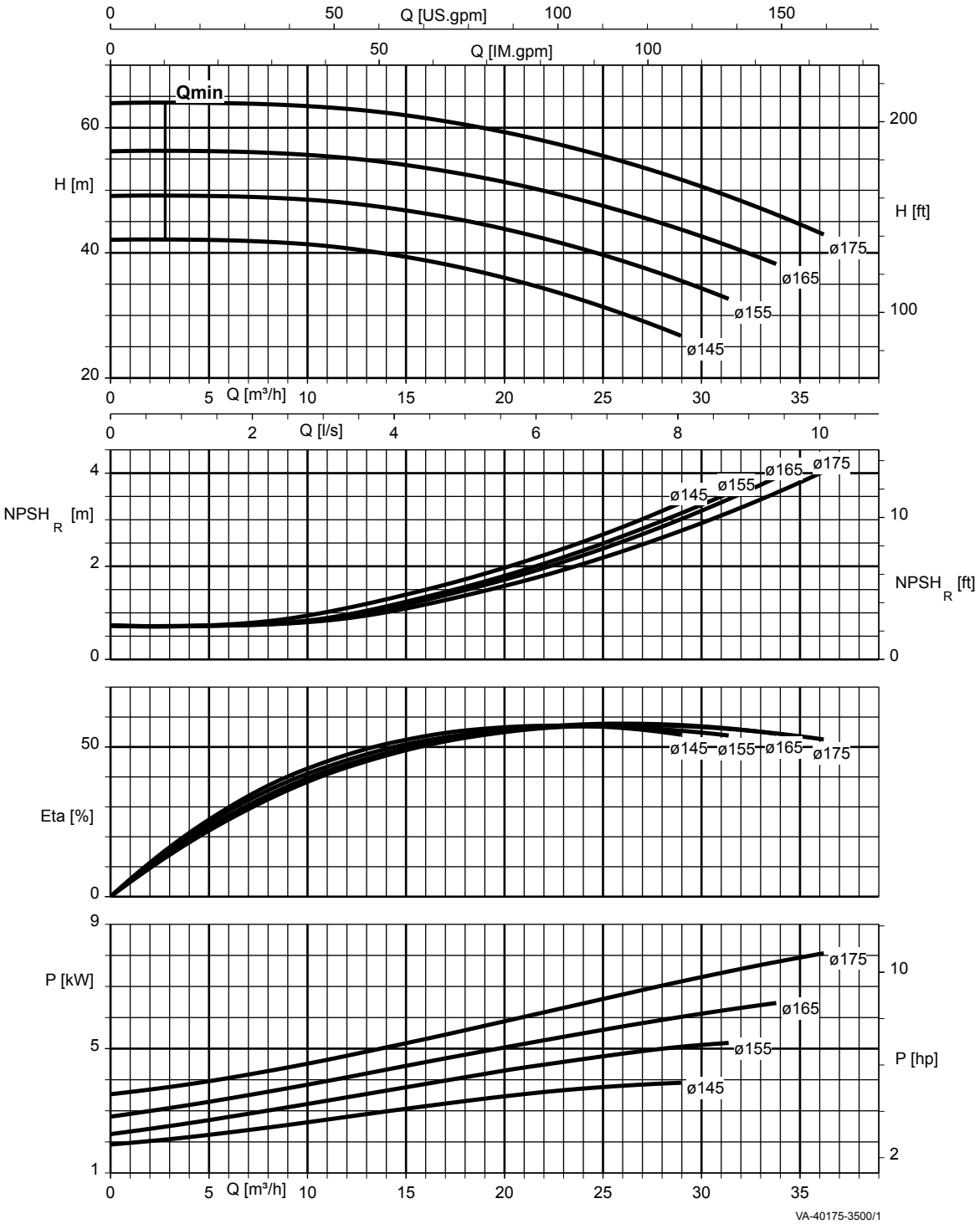
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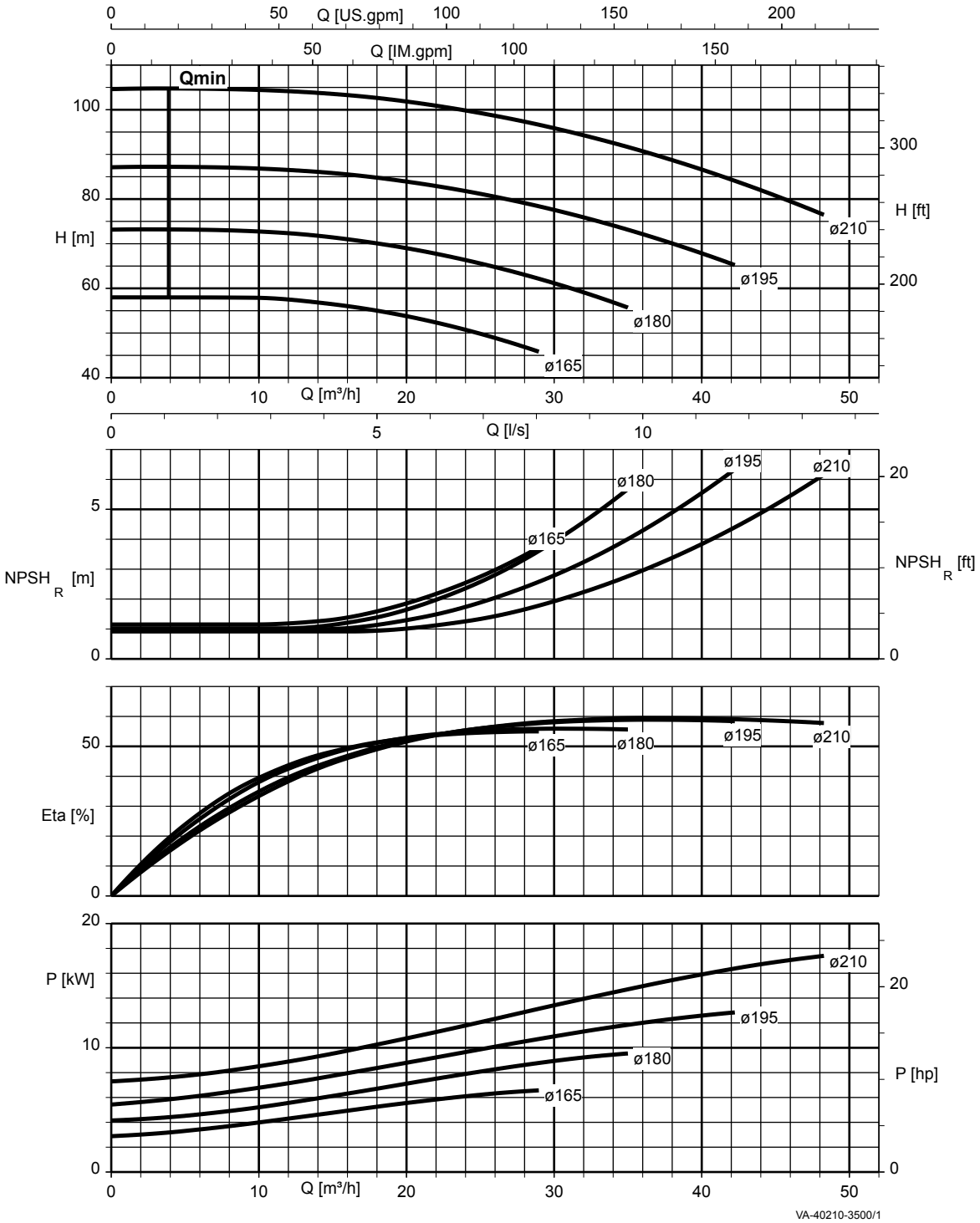
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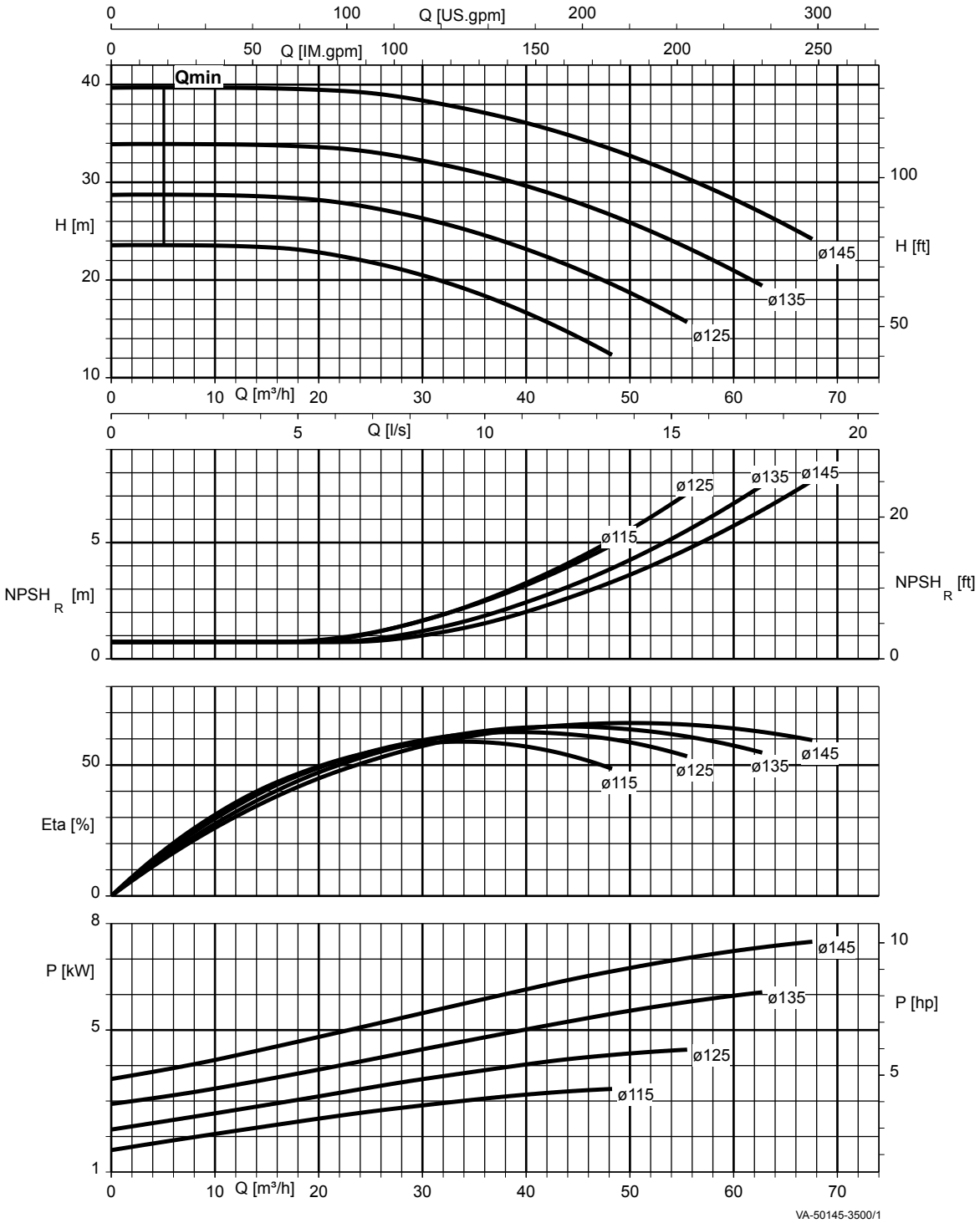
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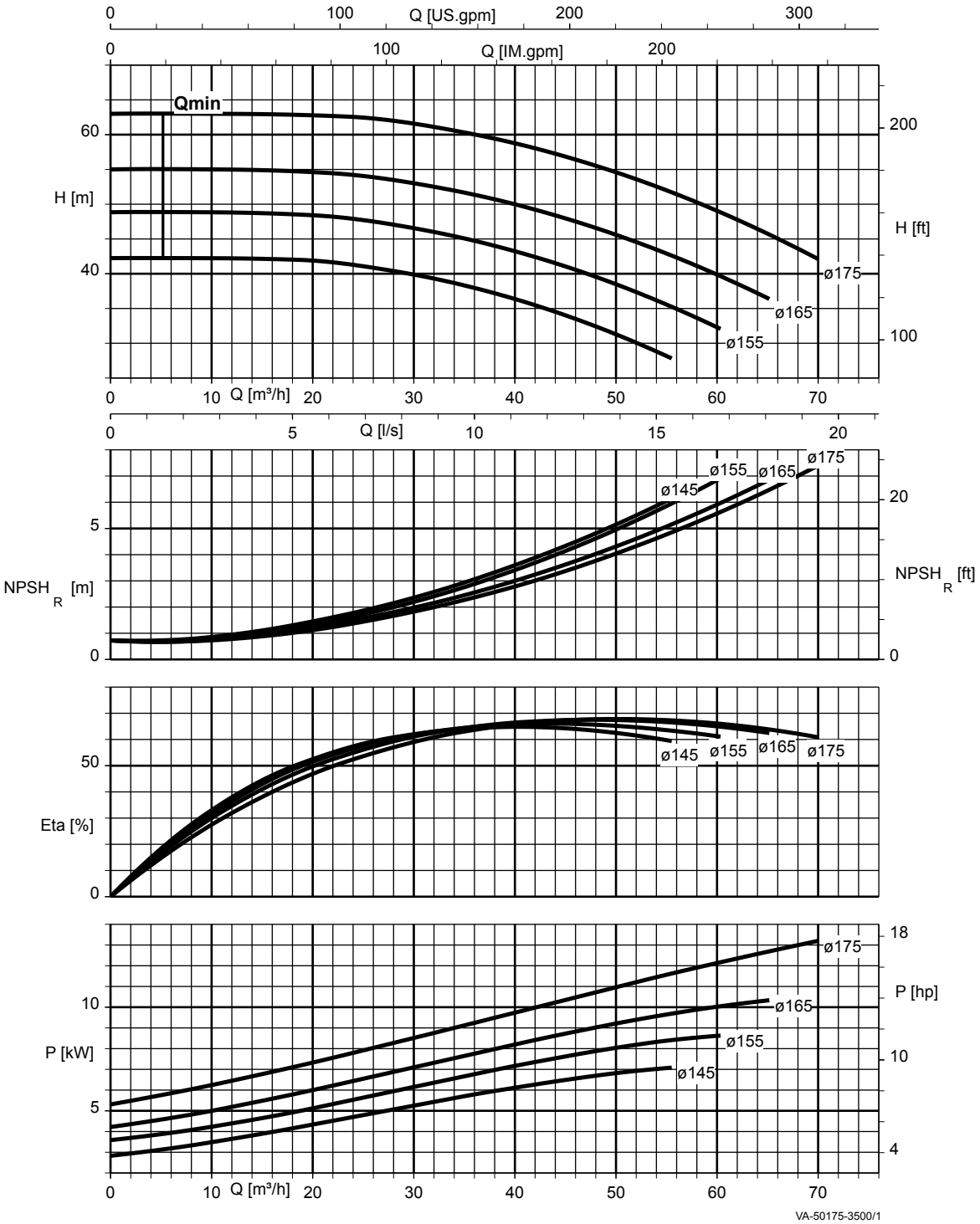
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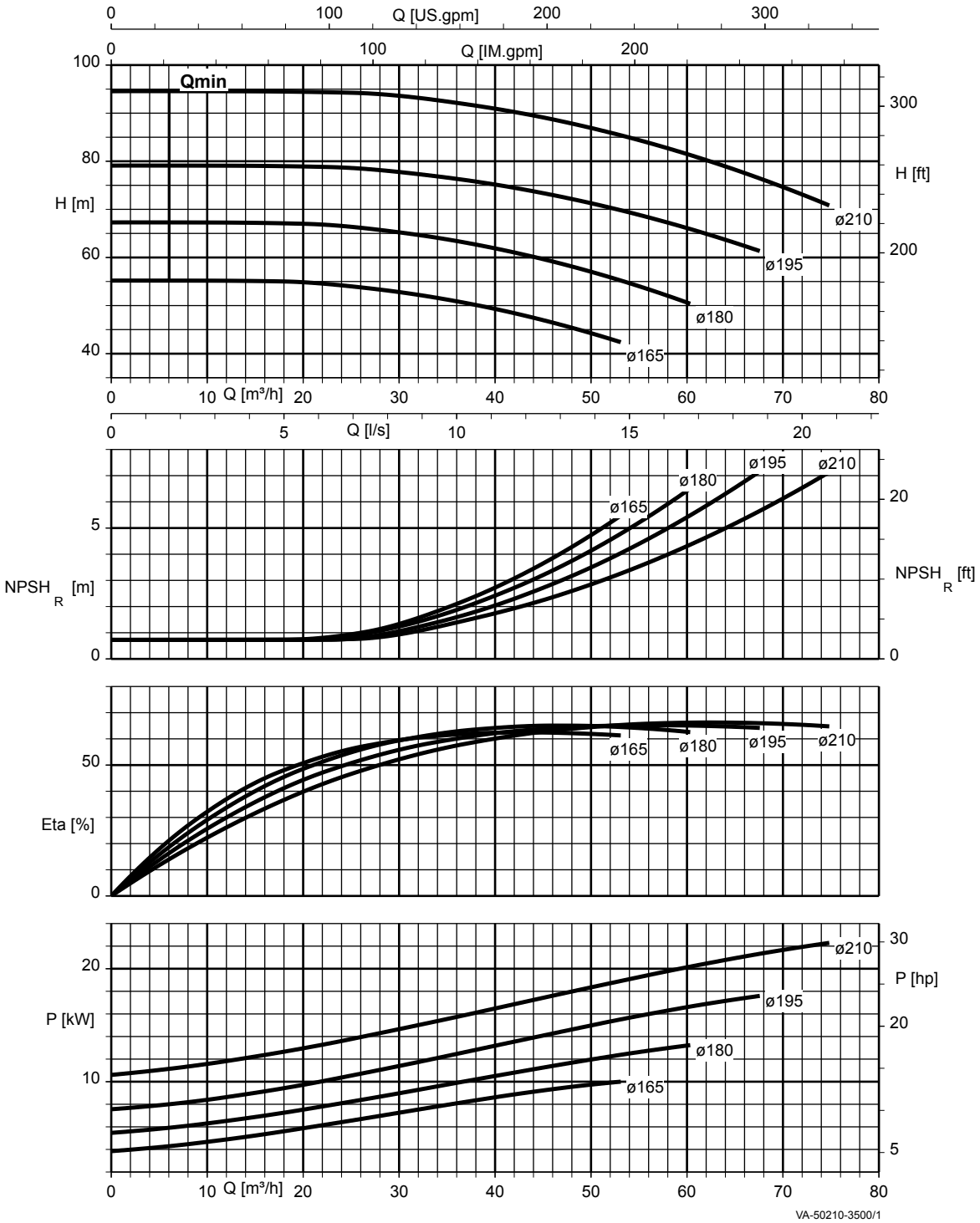
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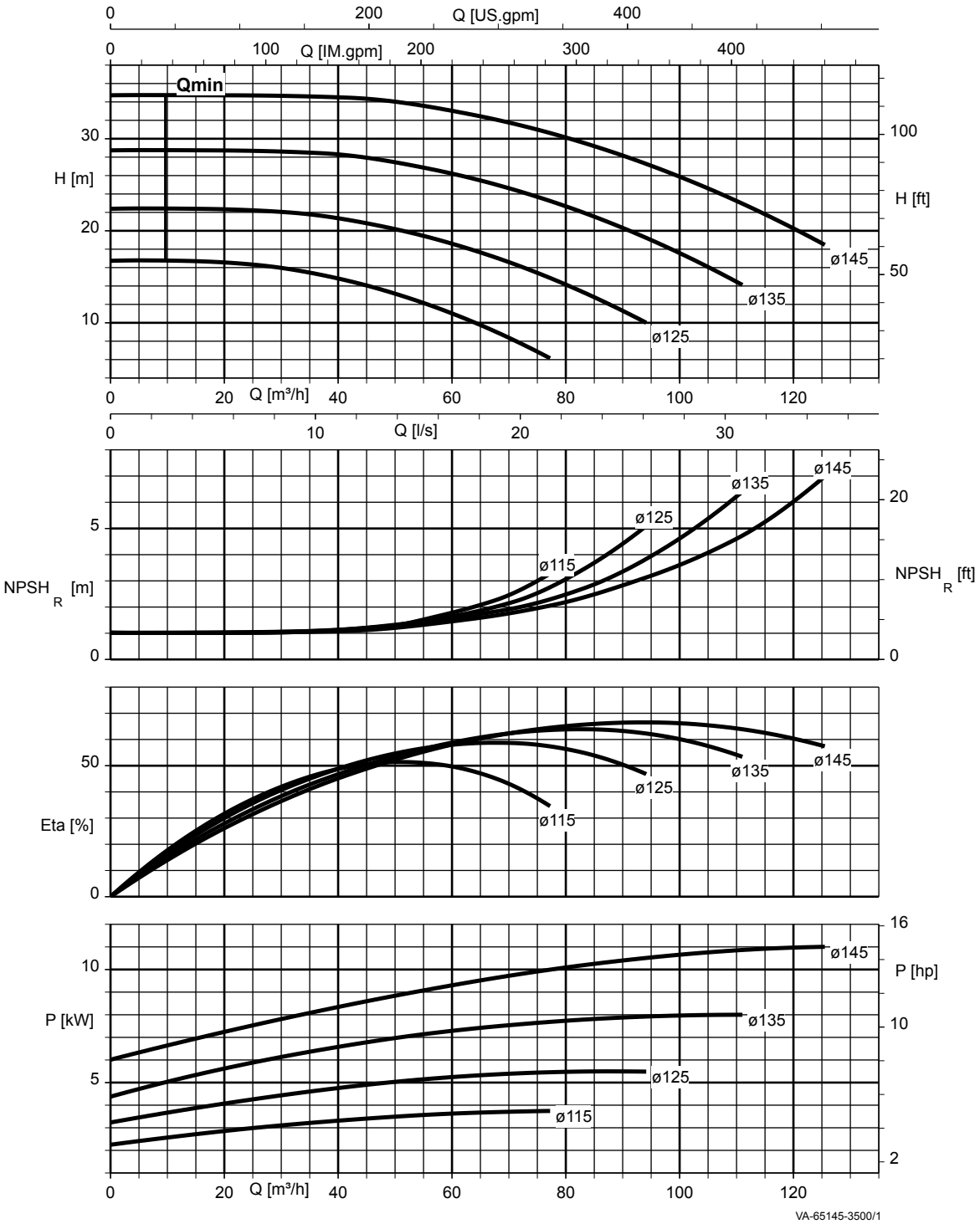
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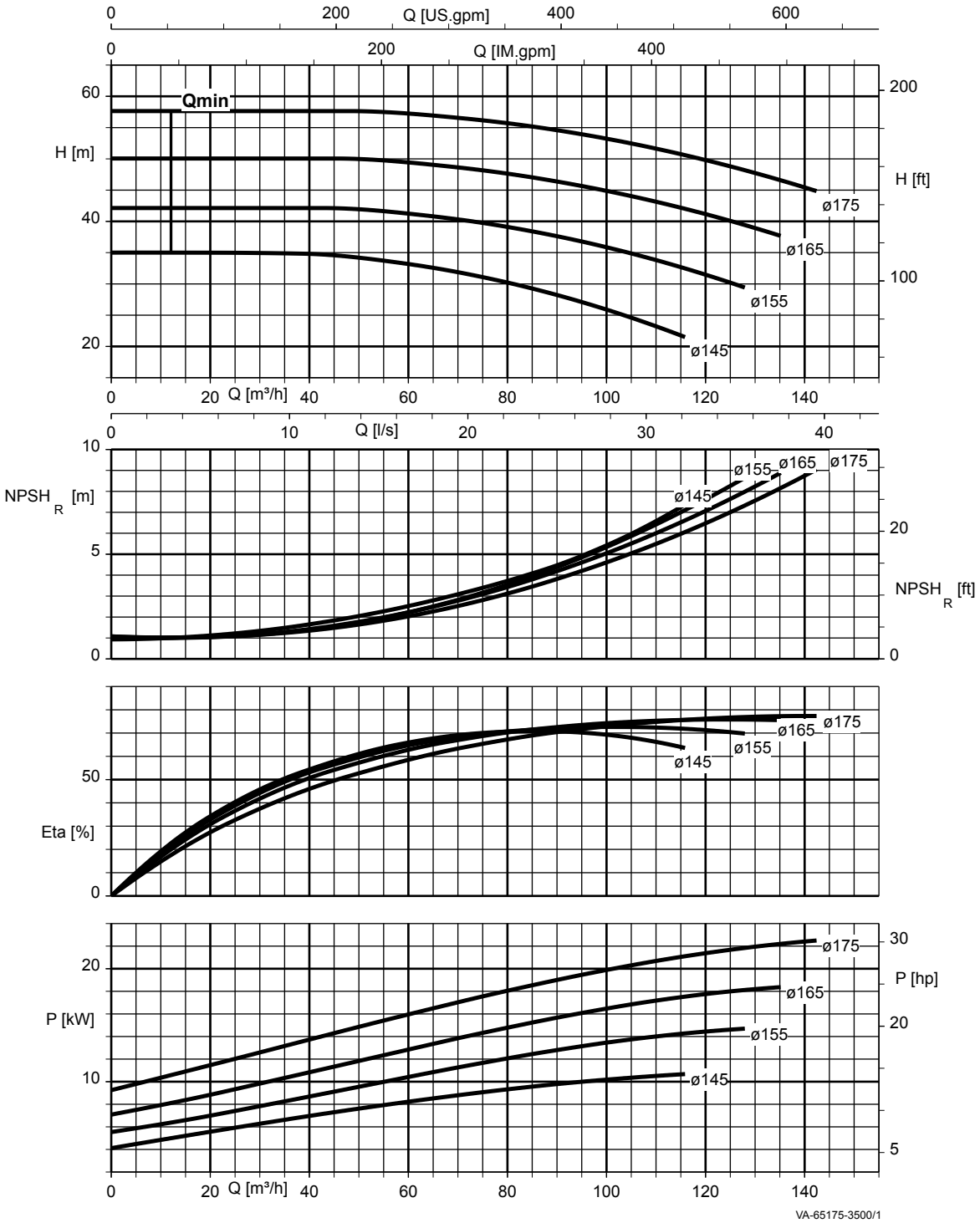
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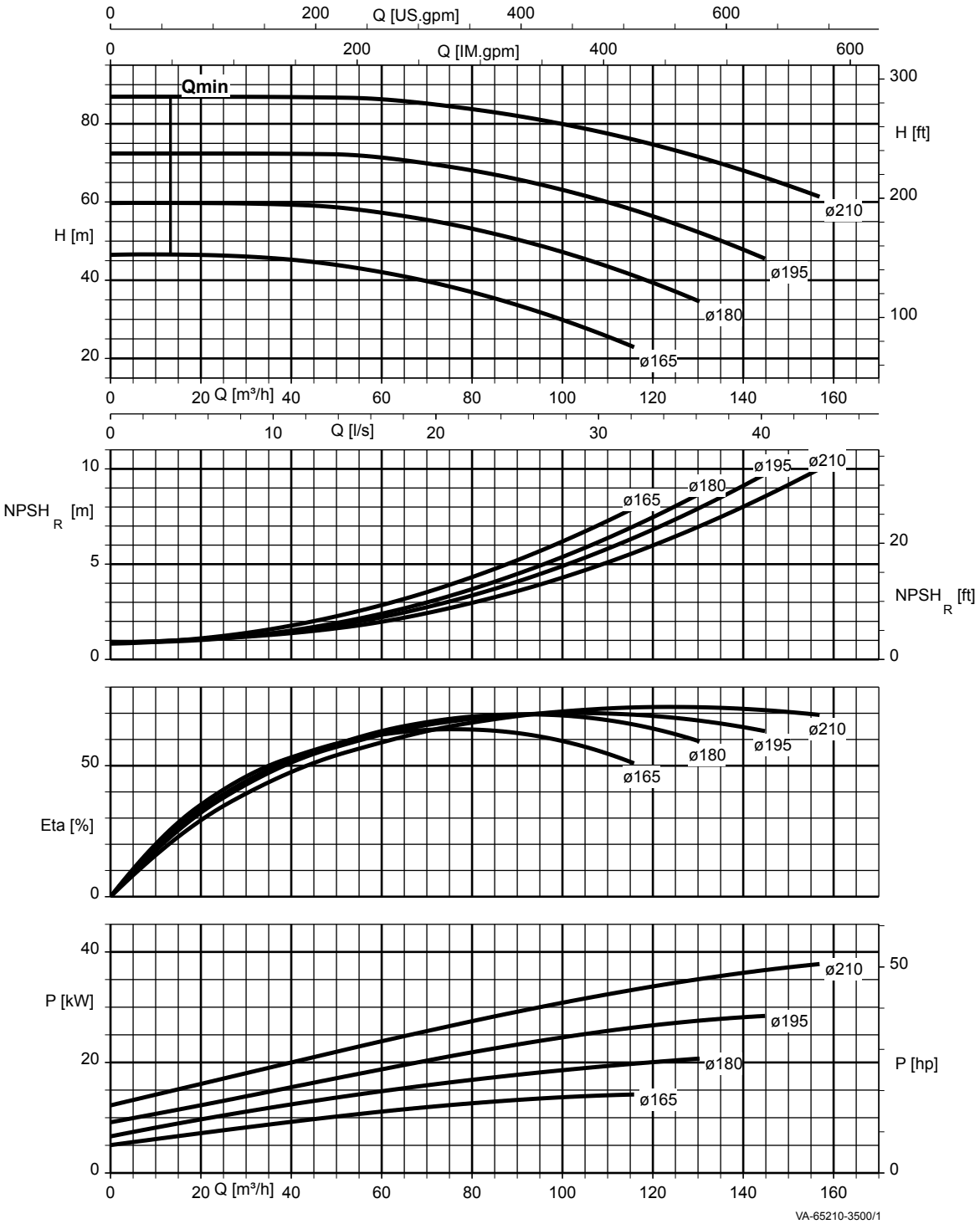
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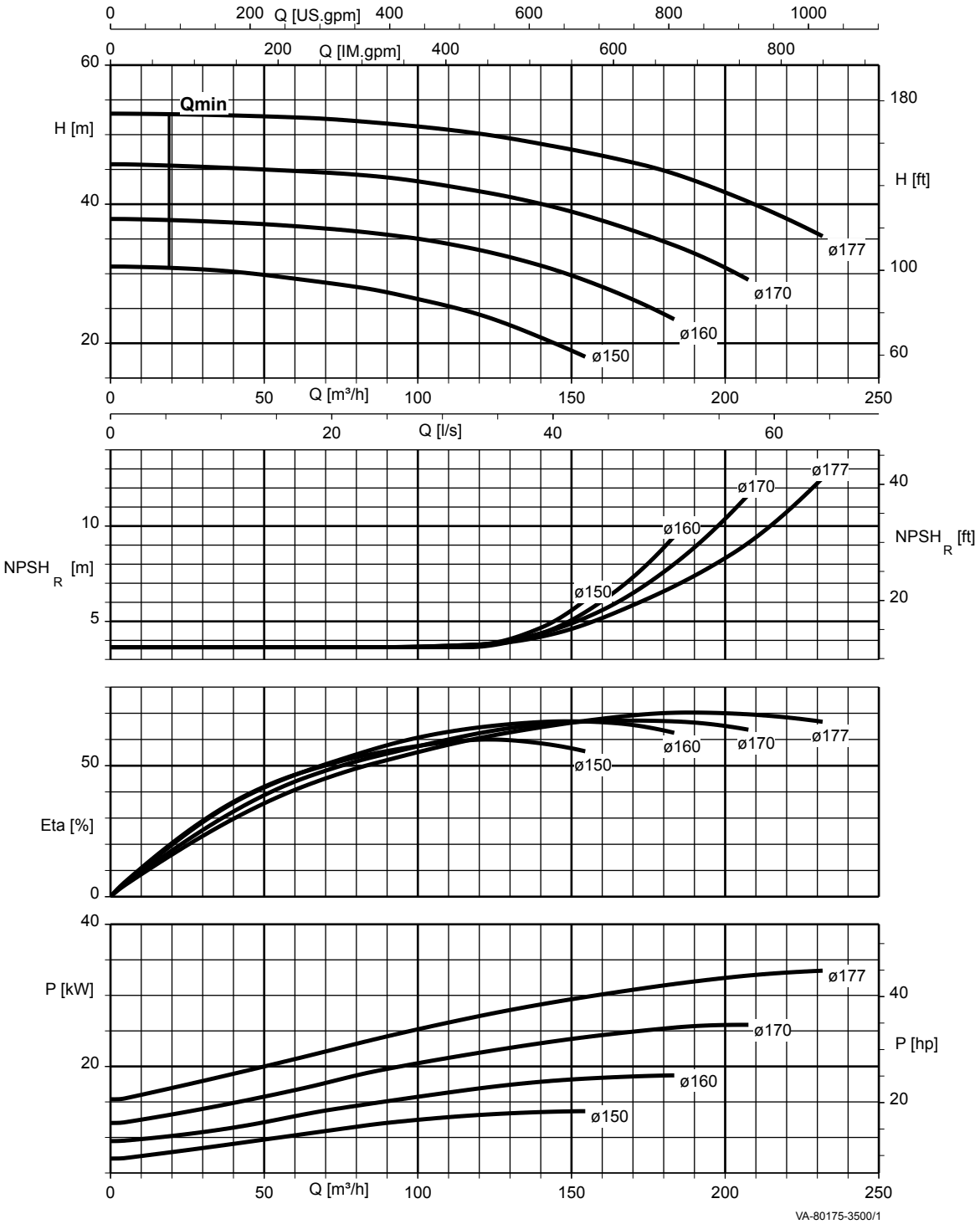
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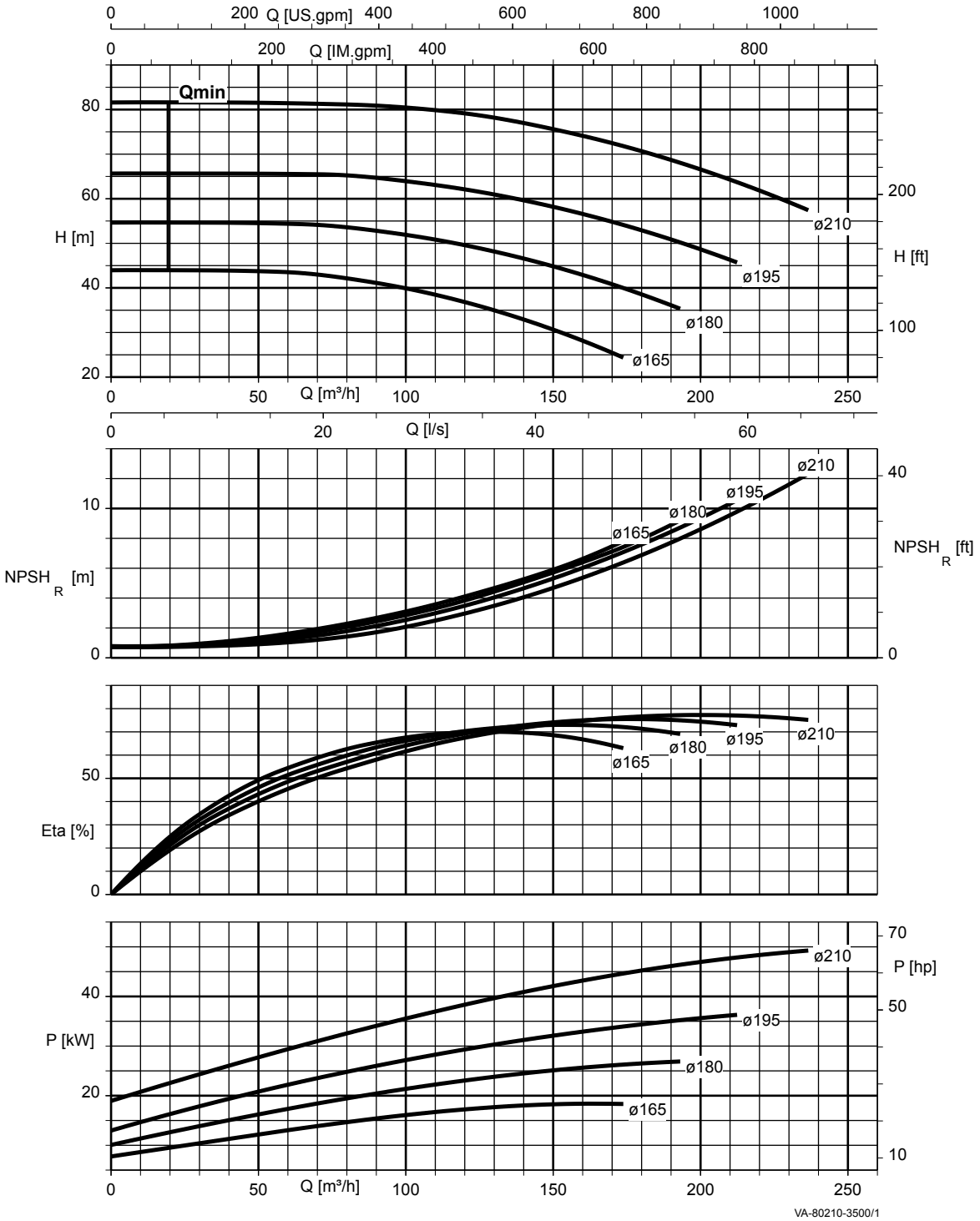
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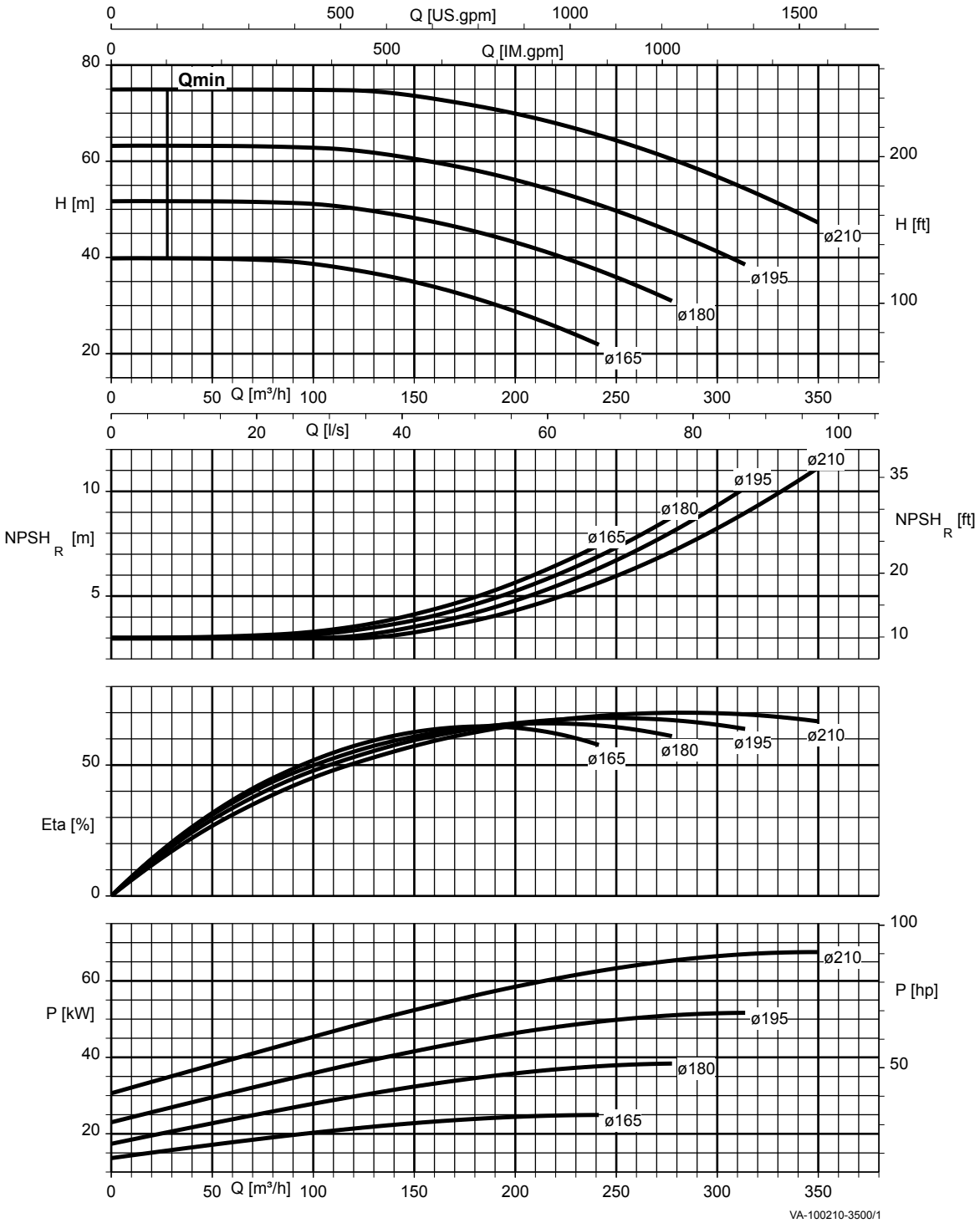
Vitacast 100-080-175, 3500 min⁻¹



Vitacast 100-080-210, 3500 min⁻¹



Vitacast 125-100-210, 3500 min⁻¹



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