

Self-priming Pump

Etaprime L/ Etaprime B

60 Hz

Characteristic Curves Booklet



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Characteristic Curves Booklet Etaprime L/ Etaprime B

Original operating manual

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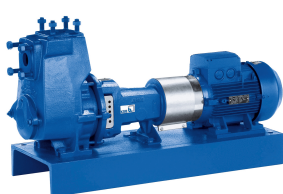
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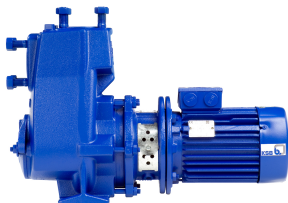
Centrifugal Pumps with Shaft Seal

Self-priming Pump / Close-coupled Pump

Etaprime L / Etaprime B



Etaprime L



Etaprime B

General

NPSH values

The NPSH values indicated in the characteristic curves correspond to a head drop of 3 %.

NPSH values in low-flow conditions

NPSH values for flow rates below $Q = 0.3 \times Q_{opt}$ can only be measured with intense technical efforts. Evidence of NPSH values in the low-flow range cannot be provided.

Density of the fluid handled

The indicated heads and performance data apply to pumped fluids with a density $\rho = 1.0 \text{ kg/dm}^3$ and a kinematic viscosity of up to $20 \text{ mm}^2/\text{s}$ max. If the density $\neq 1.0$, the performance data must be multiplied by ρ . For viscosities $>20 \text{ mm}^2/\text{s}$ the corresponding data for cold water has to be calculated and the impact on the pump's performance has to be determined.

Friction loss

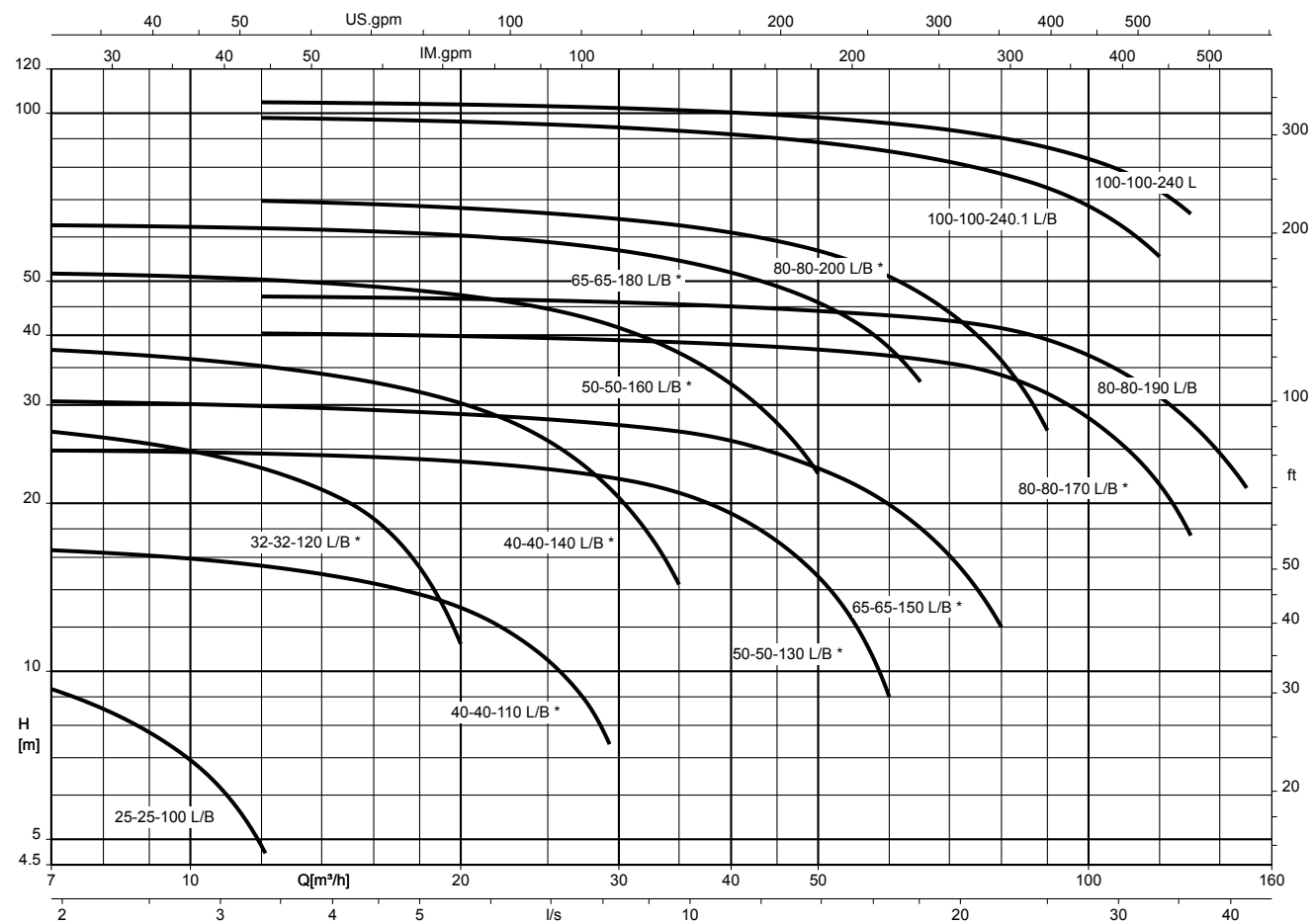
For some design variants (reinforced bearings, specific shaft seals) friction losses must be considered and indicated as additional power requirement in the data sheet.

Overview of sizes

Overview of sizes

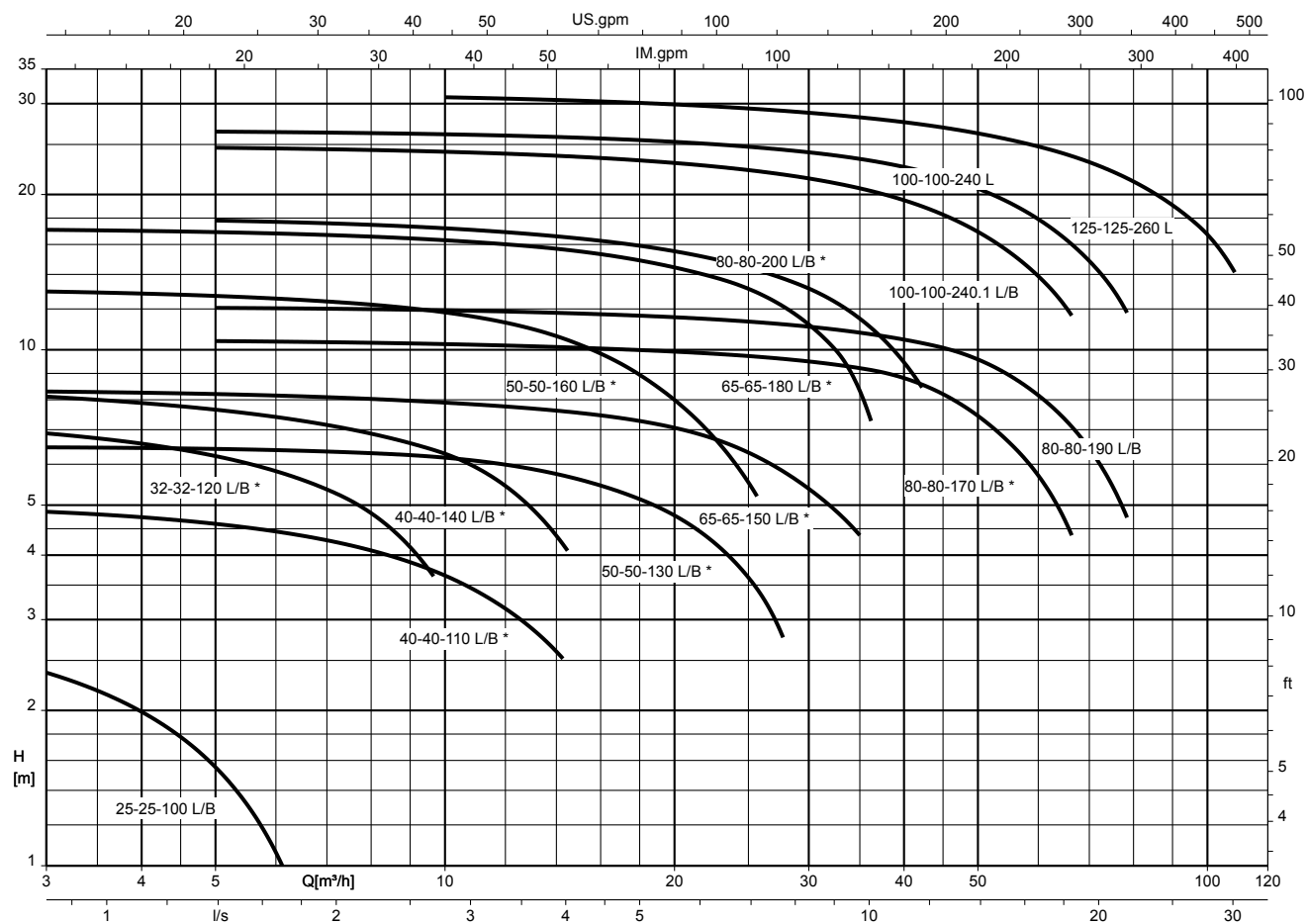
Size	Etaprime L		Etaprime B	
	Speed [rpm]		Speed [rpm]	
	1750	3500	1750	3500
025-025-100	(⇒ Page 21)	(⇒ Page 8)	(⇒ Page 21)	(⇒ Page 8)
032-032-120	(⇒ Page 22)	(⇒ Page 9)	(⇒ Page 22)	(⇒ Page 9)
040-040-110	(⇒ Page 23)	(⇒ Page 10)	(⇒ Page 23)	(⇒ Page 10)
040-040-140	(⇒ Page 24)	(⇒ Page 11)	(⇒ Page 24)	(⇒ Page 11)
050-050-130	(⇒ Page 25)	(⇒ Page 12)	(⇒ Page 25)	(⇒ Page 12)
050-050-160	(⇒ Page 26)	(⇒ Page 13)	(⇒ Page 26)	(⇒ Page 13)
065-065-150	(⇒ Page 27)	(⇒ Page 14)	(⇒ Page 27)	(⇒ Page 14)
065-065-180	(⇒ Page 28)	(⇒ Page 15)	(⇒ Page 28)	(⇒ Page 15)
080-080-170	(⇒ Page 29)	(⇒ Page 16)	(⇒ Page 29)	(⇒ Page 16)
080-080-190	(⇒ Page 30)	(⇒ Page 17)	(⇒ Page 30)	(⇒ Page 17)
080-080-200	(⇒ Page 31)	(⇒ Page 18)	(⇒ Page 31)	(⇒ Page 18)
100-100-240.1	(⇒ Page 32)	(⇒ Page 19)	(⇒ Page 32)	(⇒ Page 19)
100-100-240	(⇒ Page 33)	(⇒ Page 20)	-	-
125-125-260	(⇒ Page 34)	-	-	-

Selection charts

Etaprime L/B, $n = 3500$ rpm

* Also available in stainless steel material variant

Etaprime L/B, n = 1750 rpm

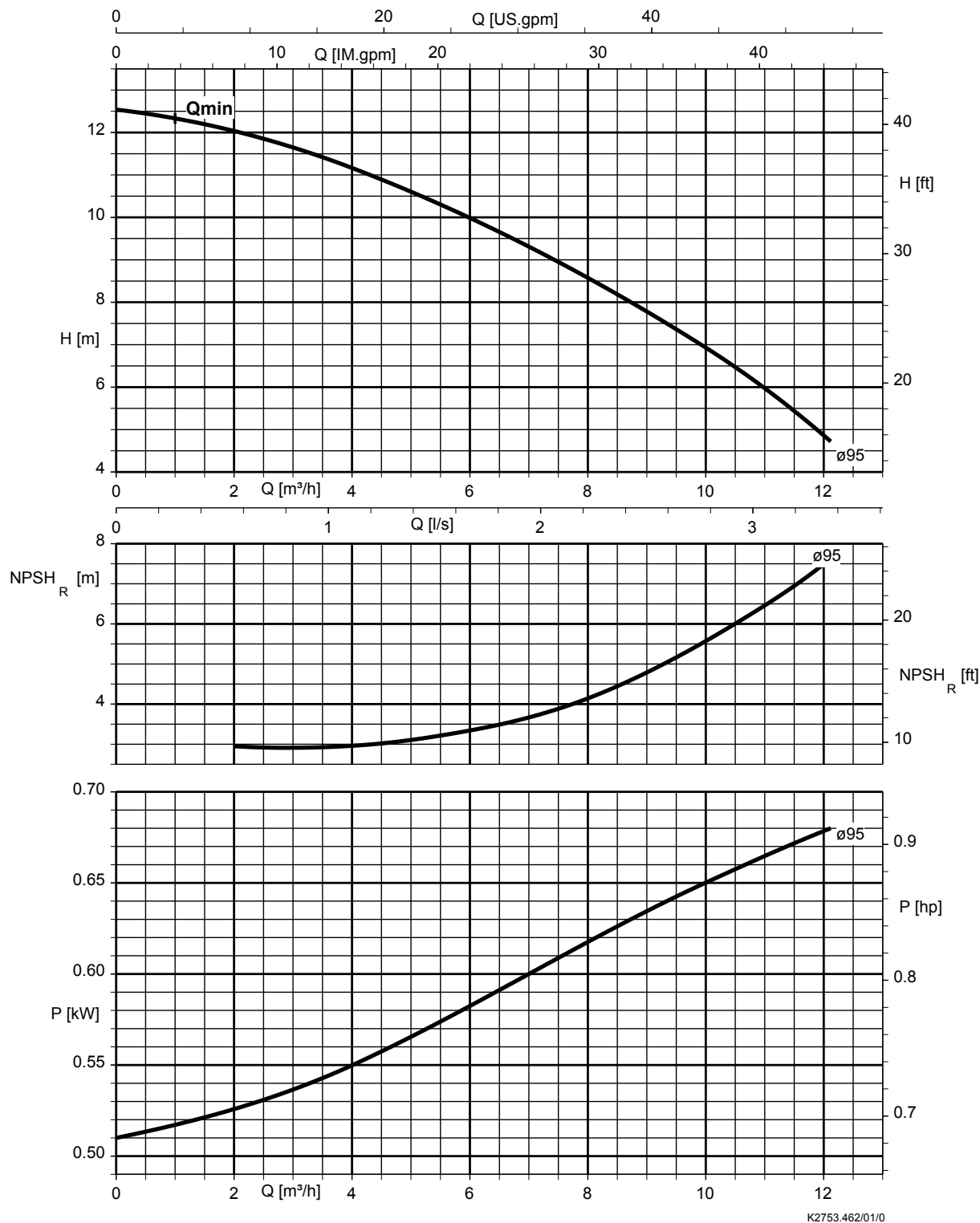


* Also available in stainless steel material variant

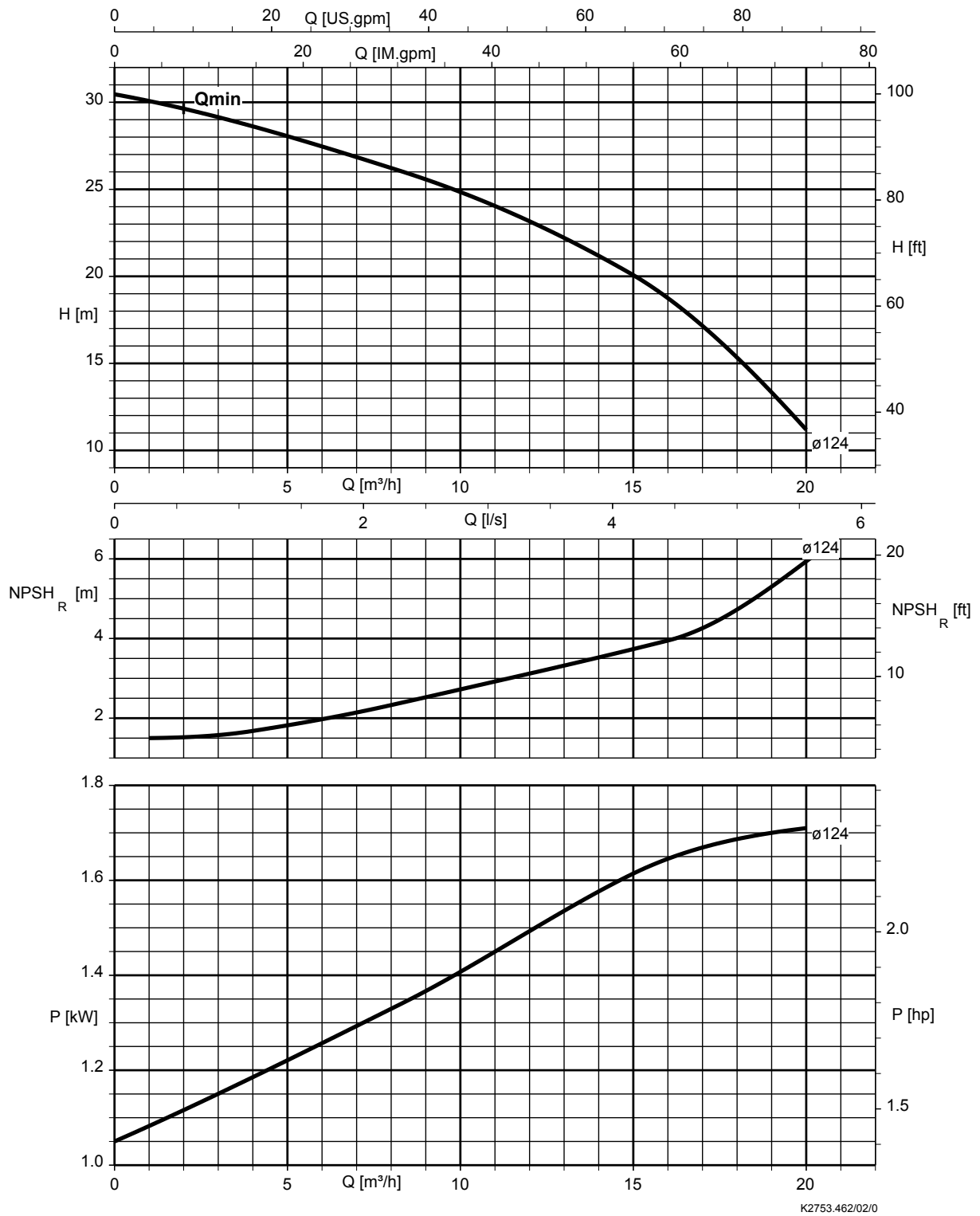
Characteristic curves

$n = 3500 \text{ rpm}$

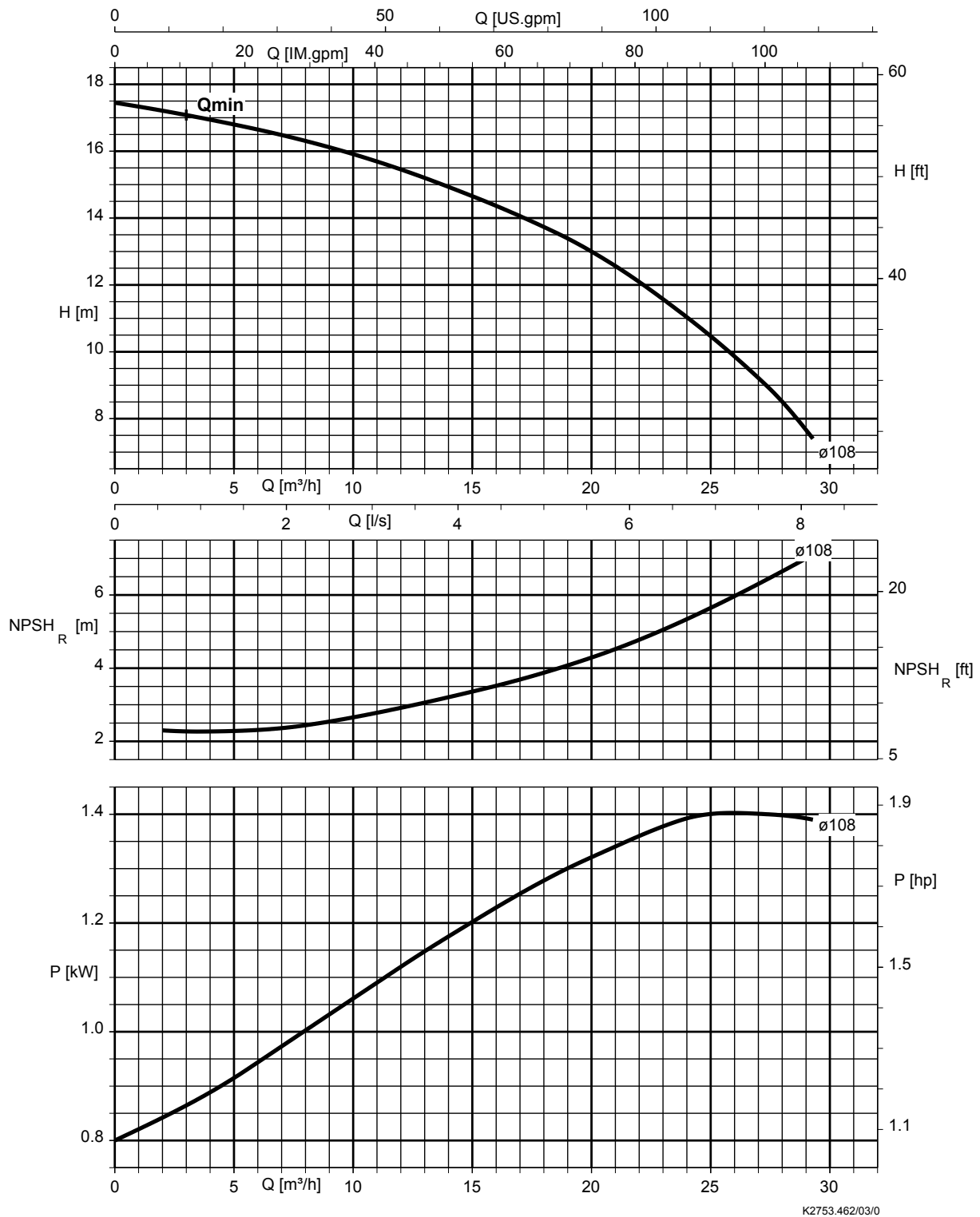
Etaprime L/B 025-025-100, $n = 3500 \text{ rpm}$



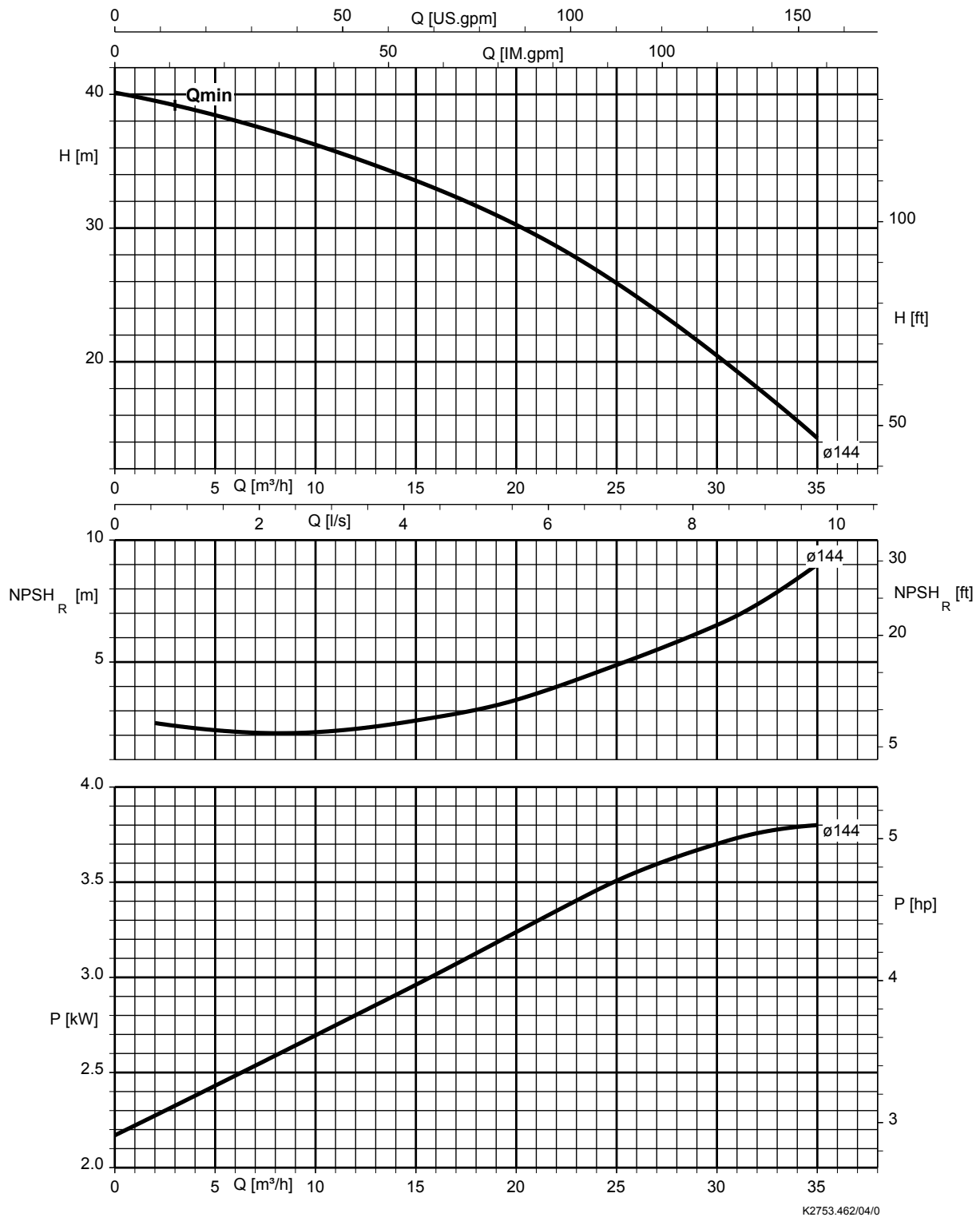
Etaprime L/B 032-032-120, n = 3500 rpm



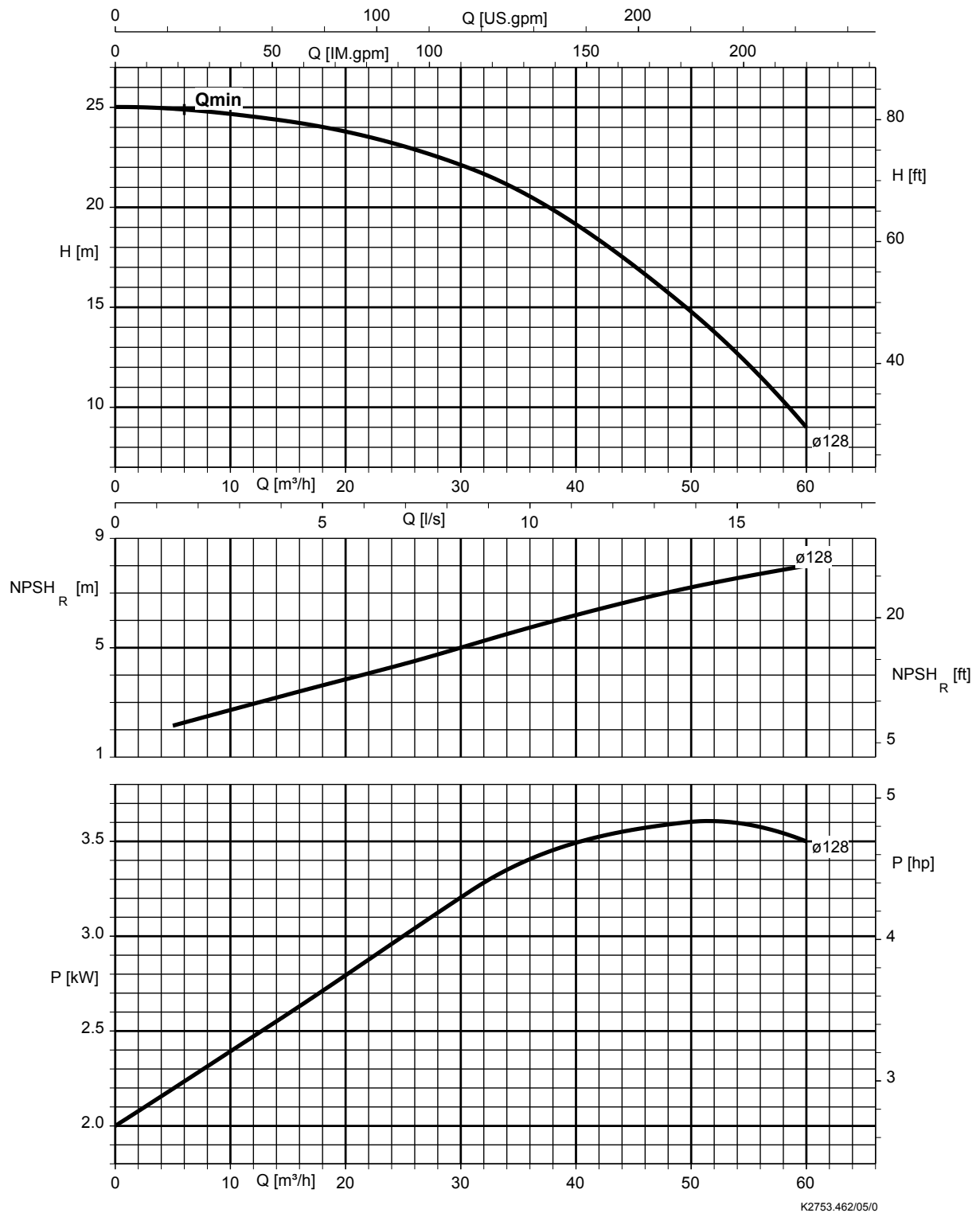
Etaprime L/B 040-040-110, $n = 3500$ rpm



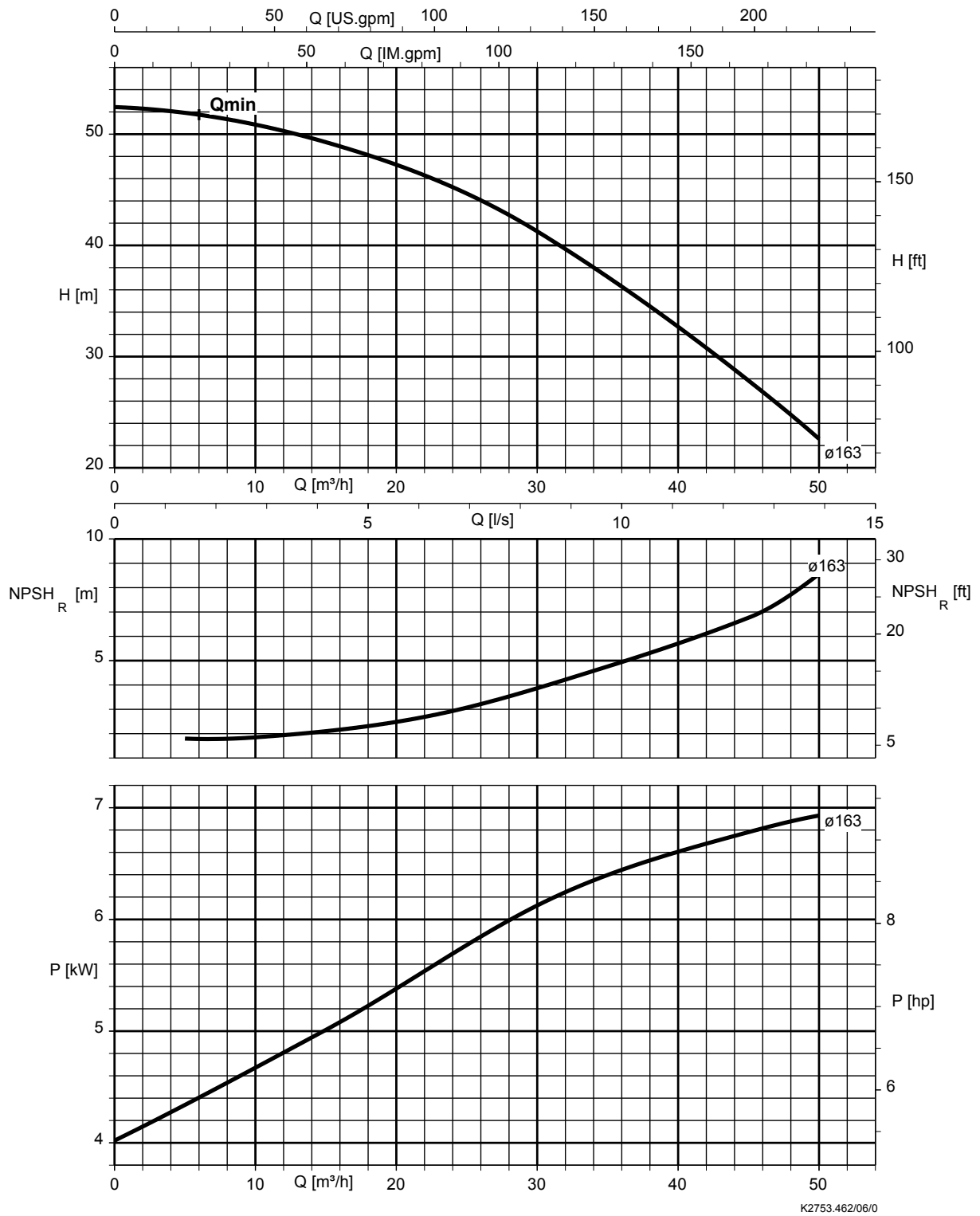
Etaprime L/B 040-040-140, $n = 3500$ rpm



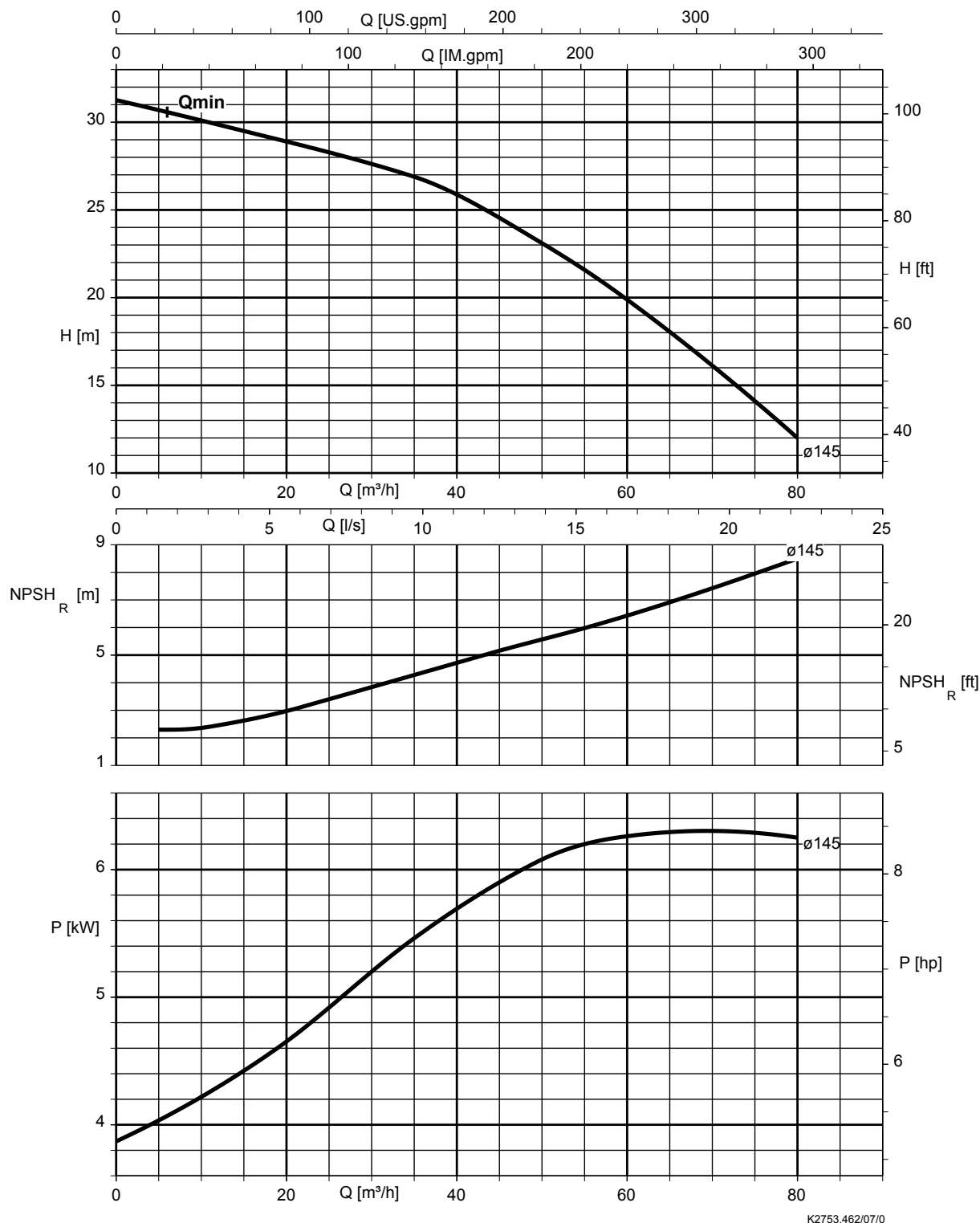
Etaprime L/B 050-050-130, n = 3500 rpm



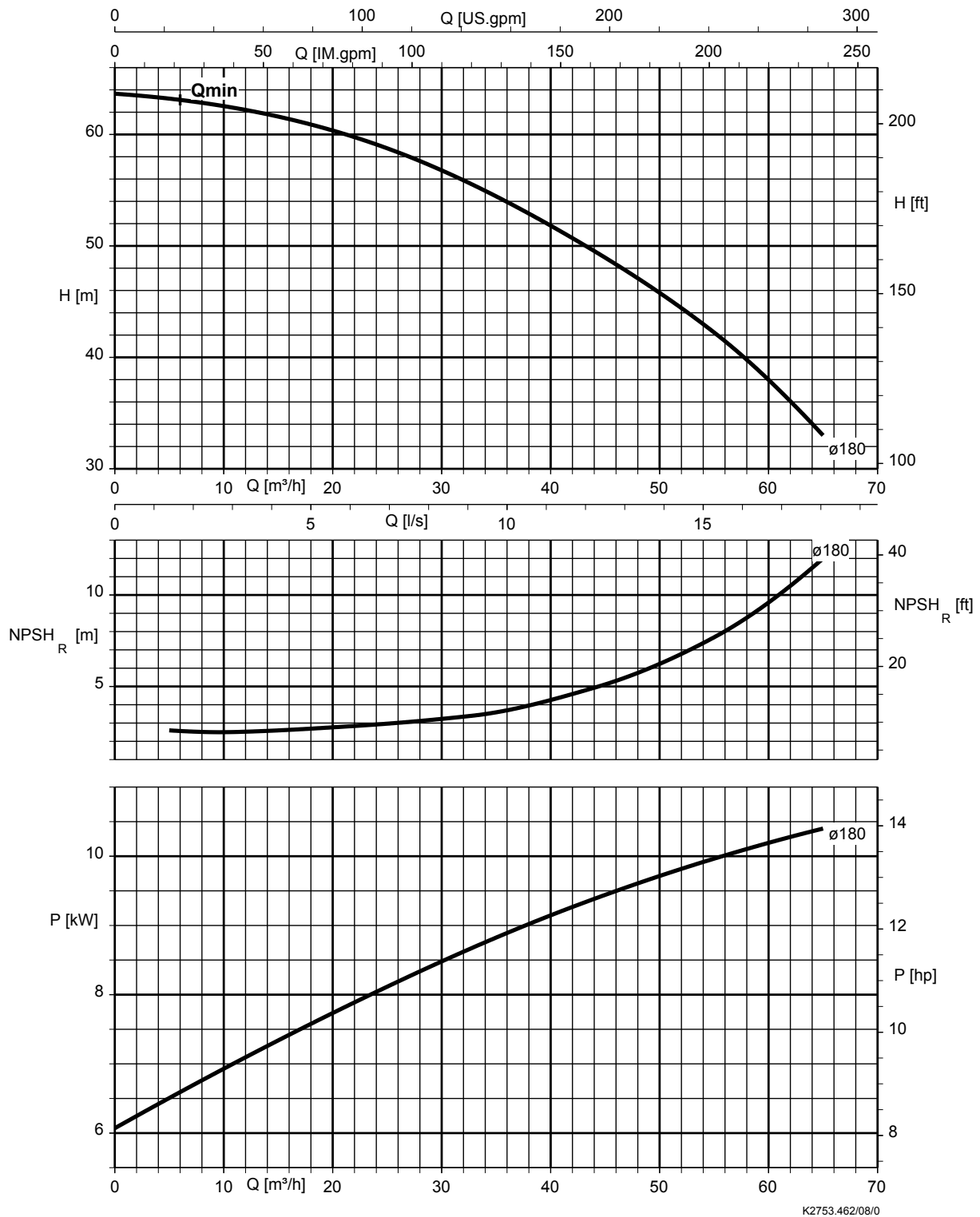
Etaprime L/B 050-050-160, n = 3500 rpm



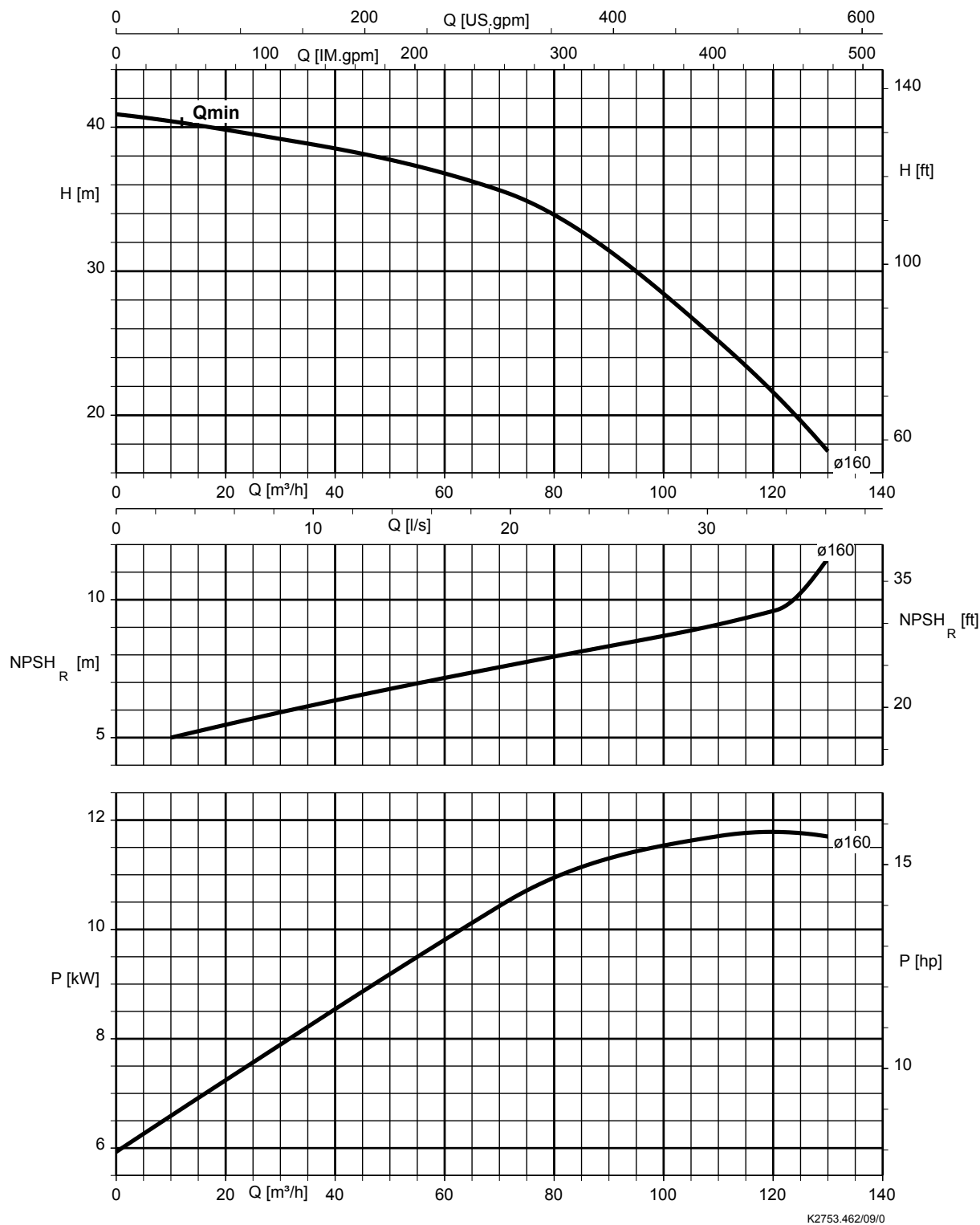
Etaprime L/B 065-065-150, n = 3500 rpm



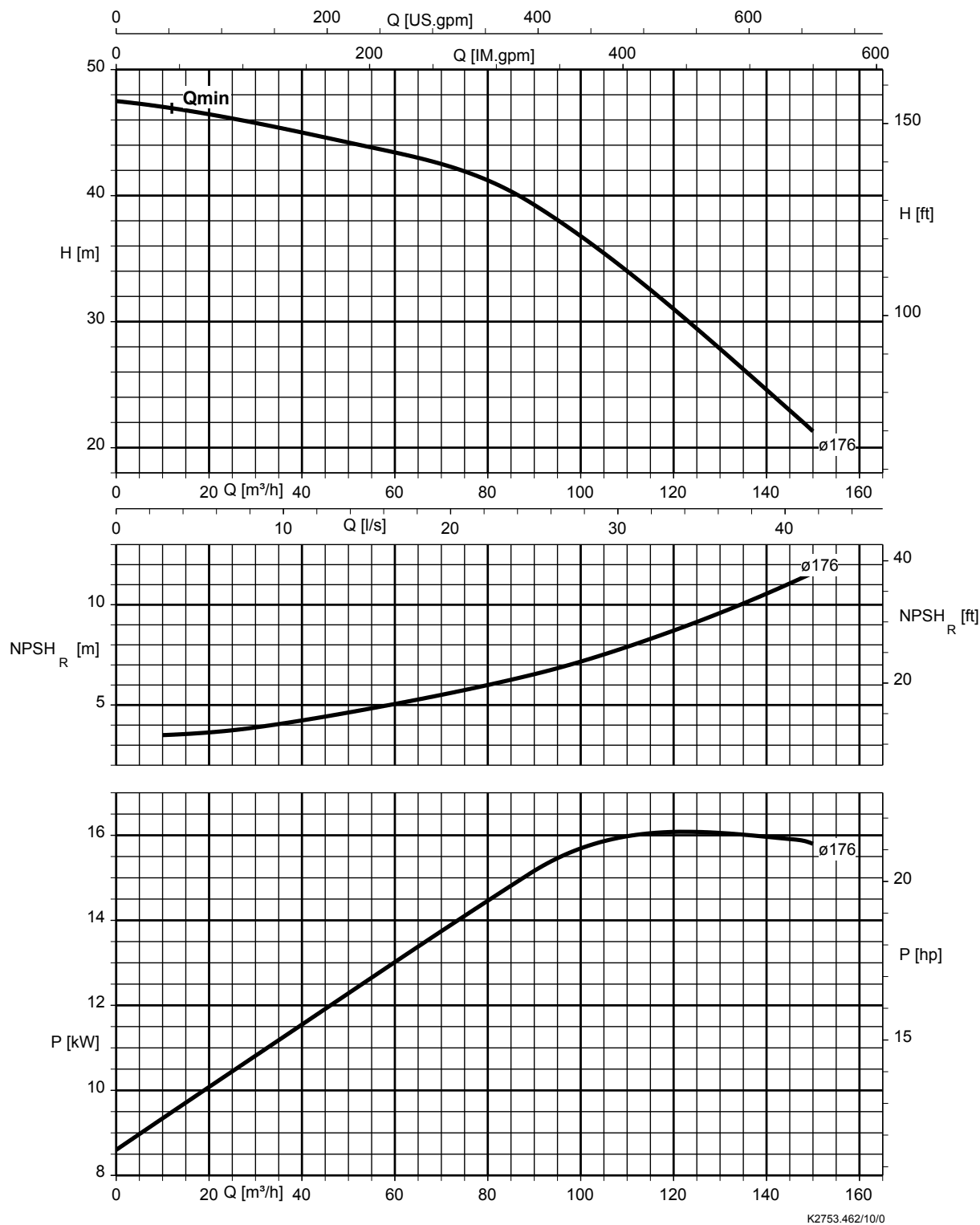
Etaprime L/B 065-065-180, n = 3500 rpm



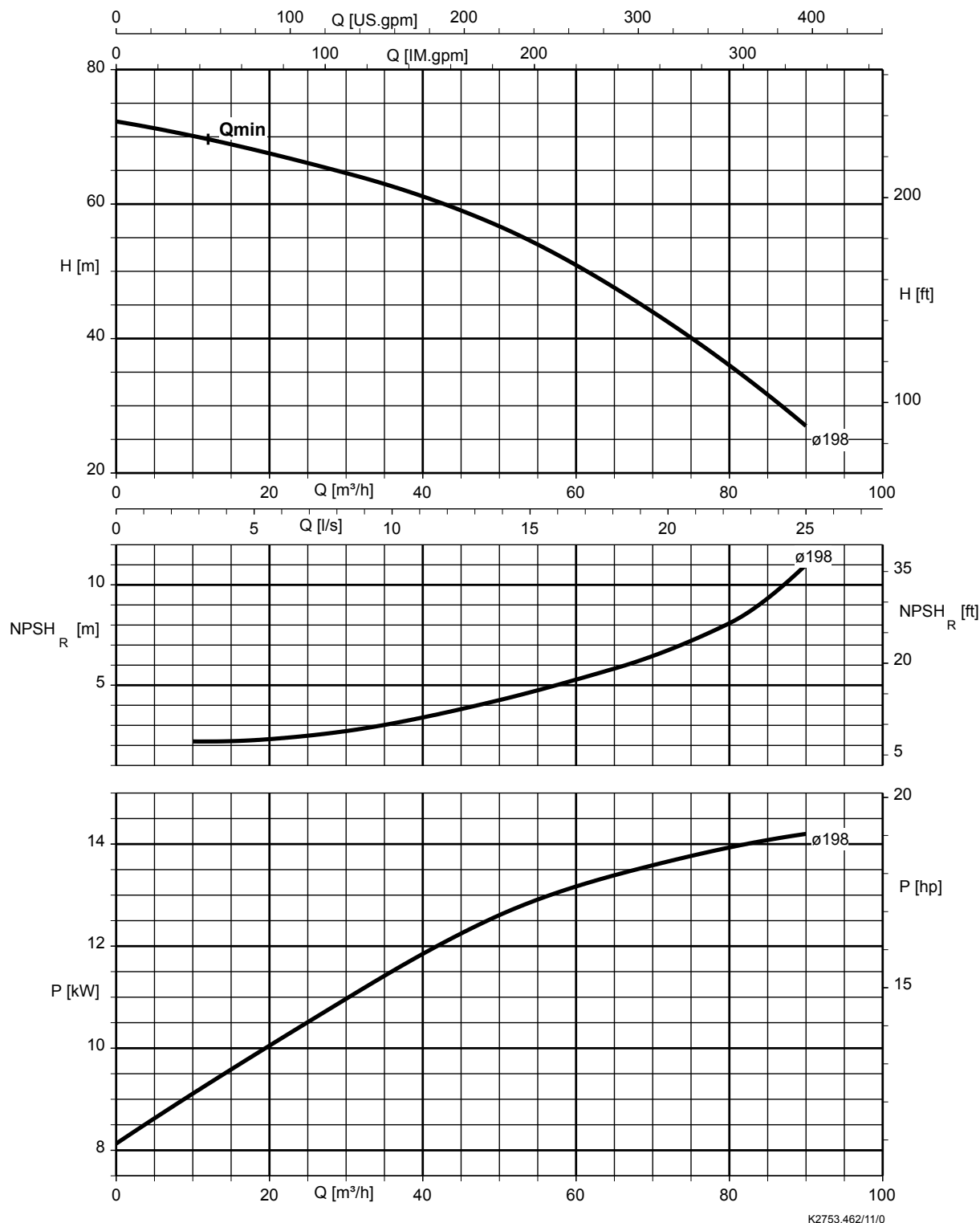
Etapprime L/B 080-080-170, n = 3500 rpm



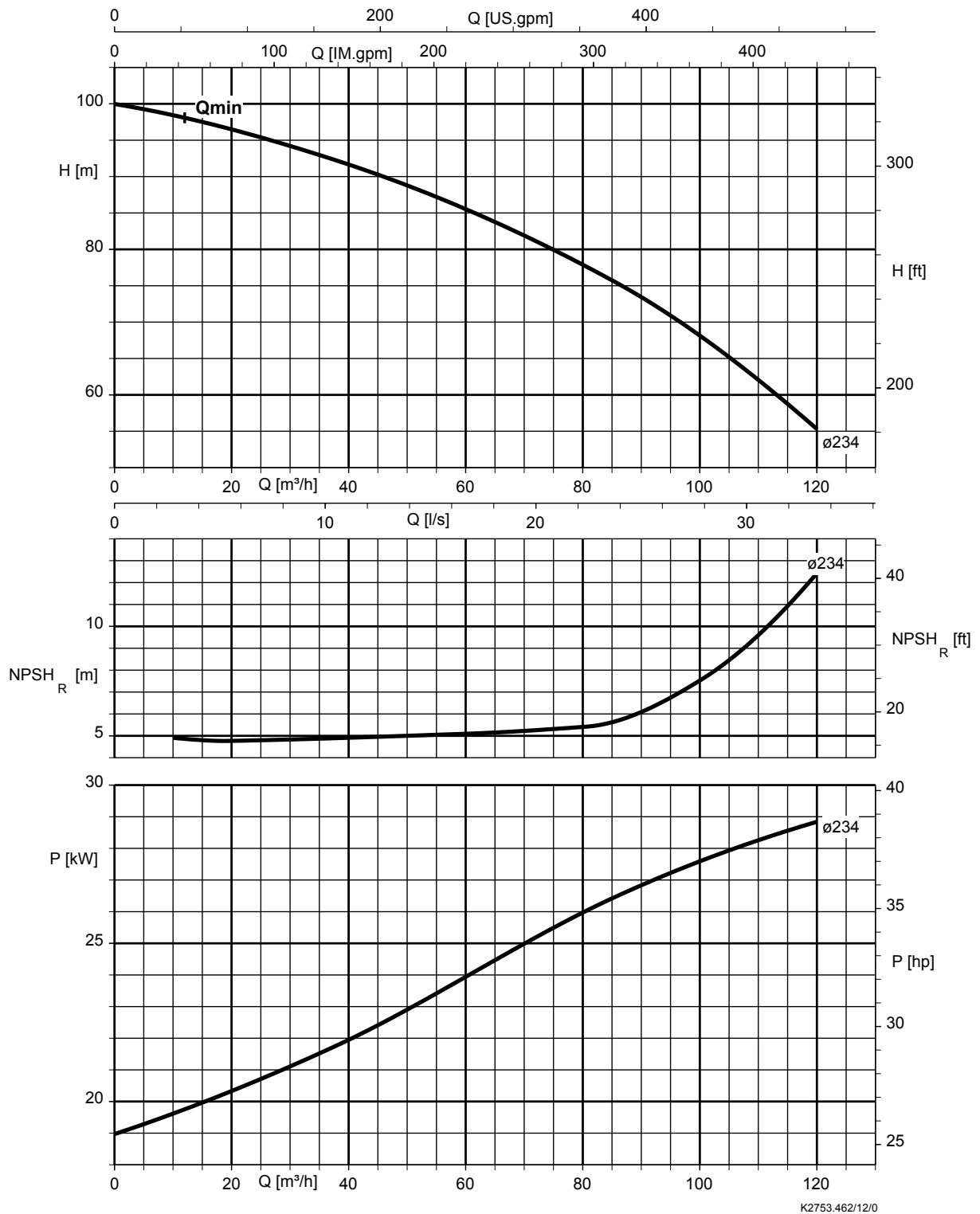
Etaprime L/B 080-080-190, n = 3500 rpm



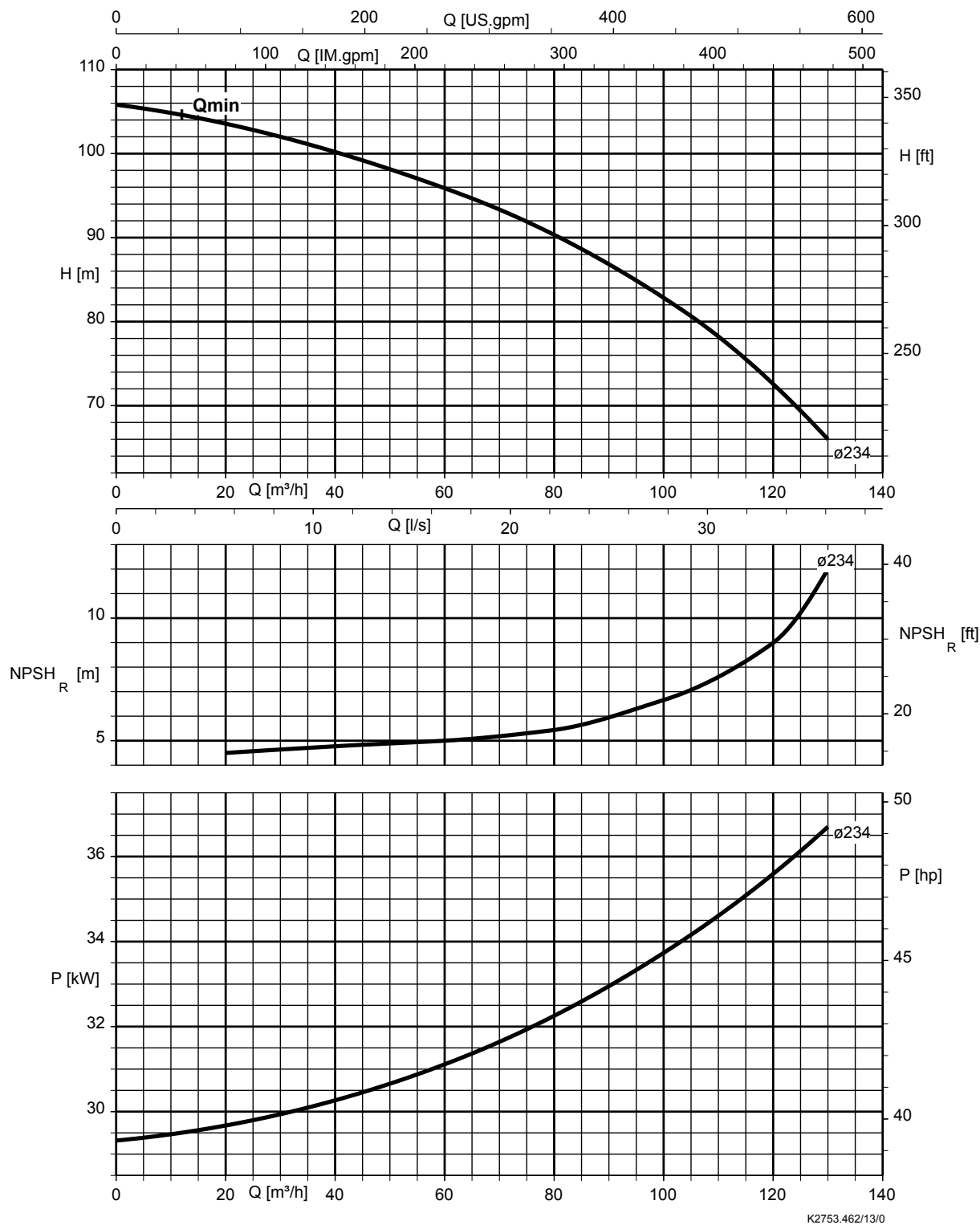
Etaprime L/B 080-080-200, n = 3500 rpm



Etaprime L/B 100-100-240.1, $n = 3500$ rpm

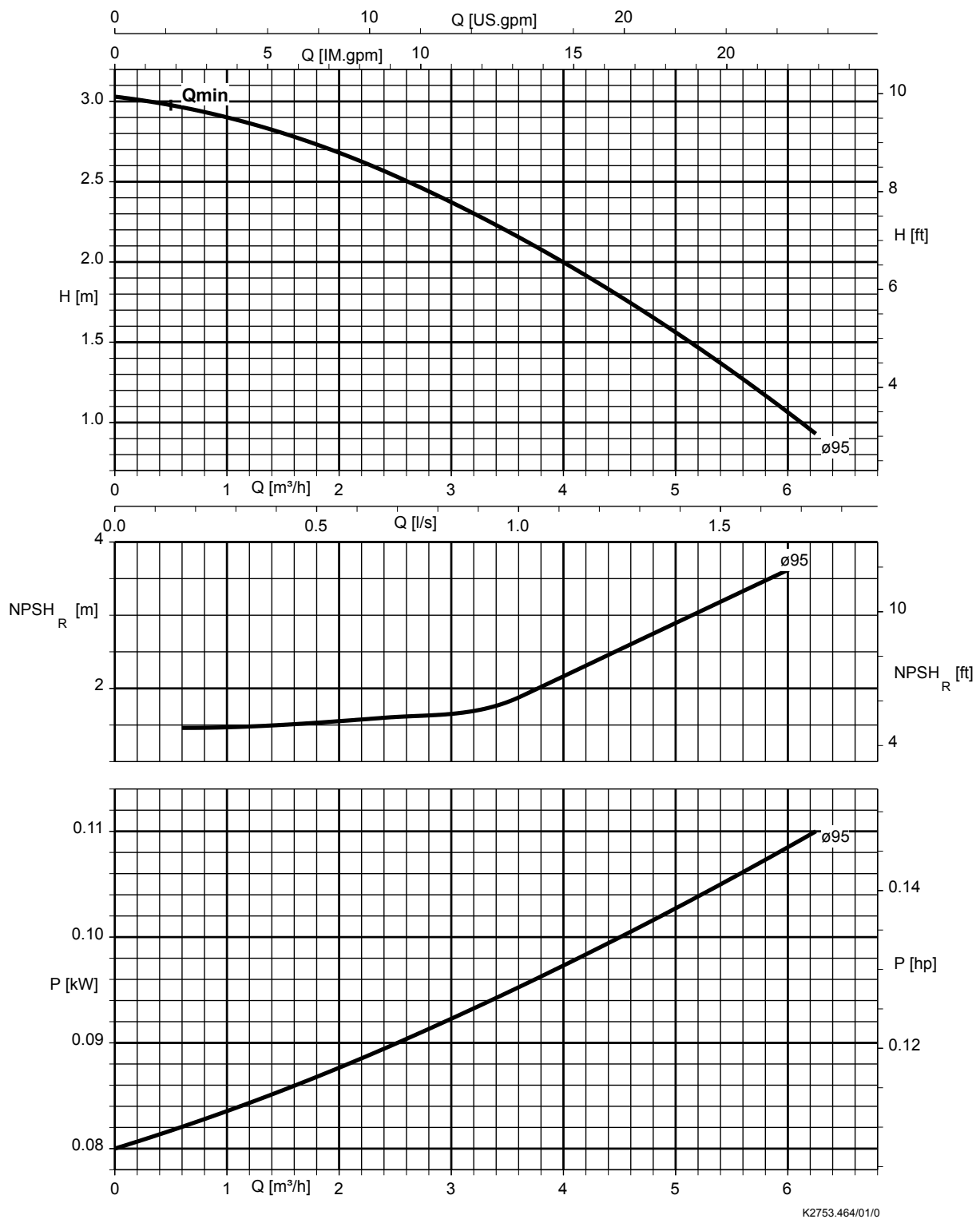


Etaprime L 100-100-240, n = 3500 rpm

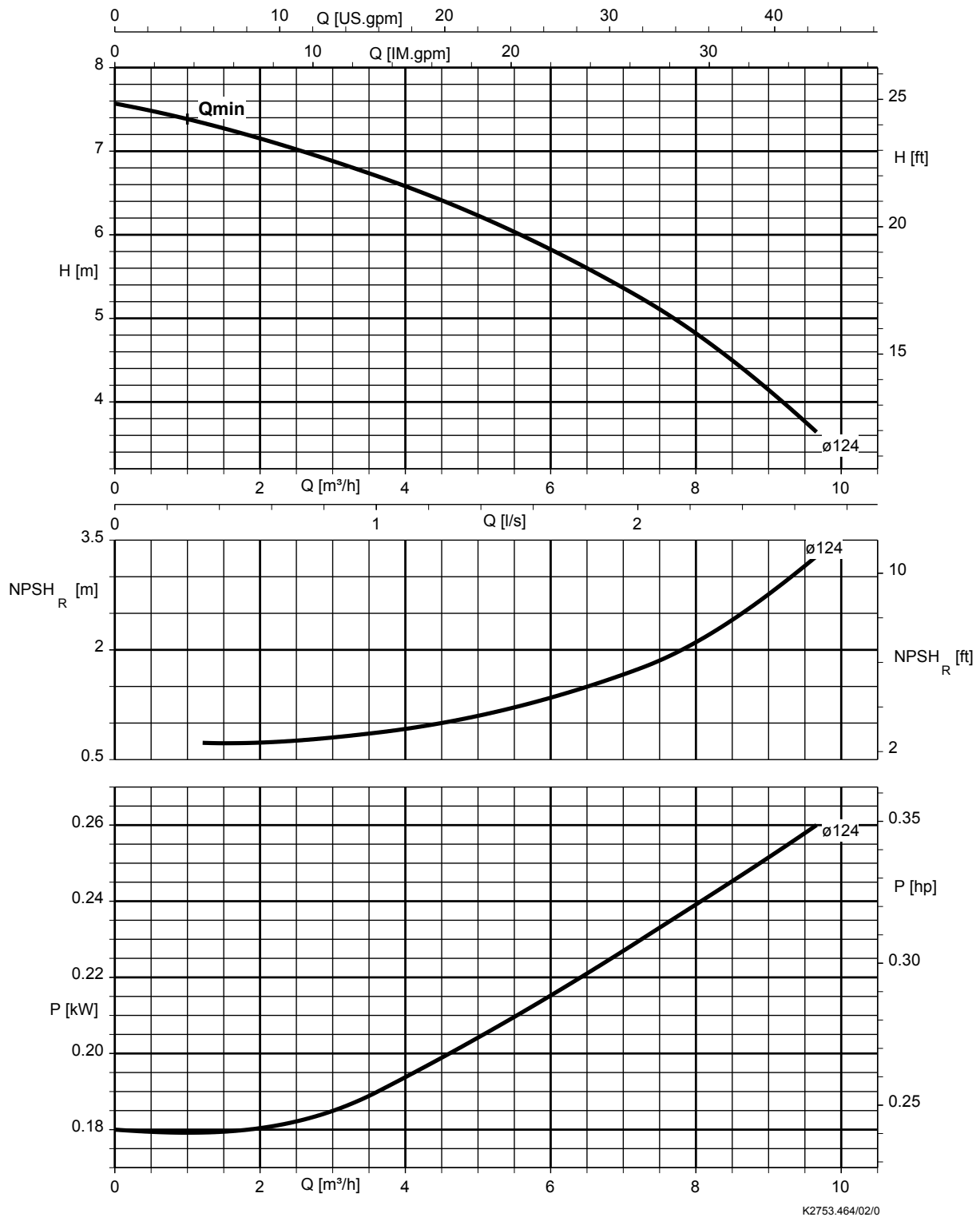


$n = 1750 \text{ rpm}$

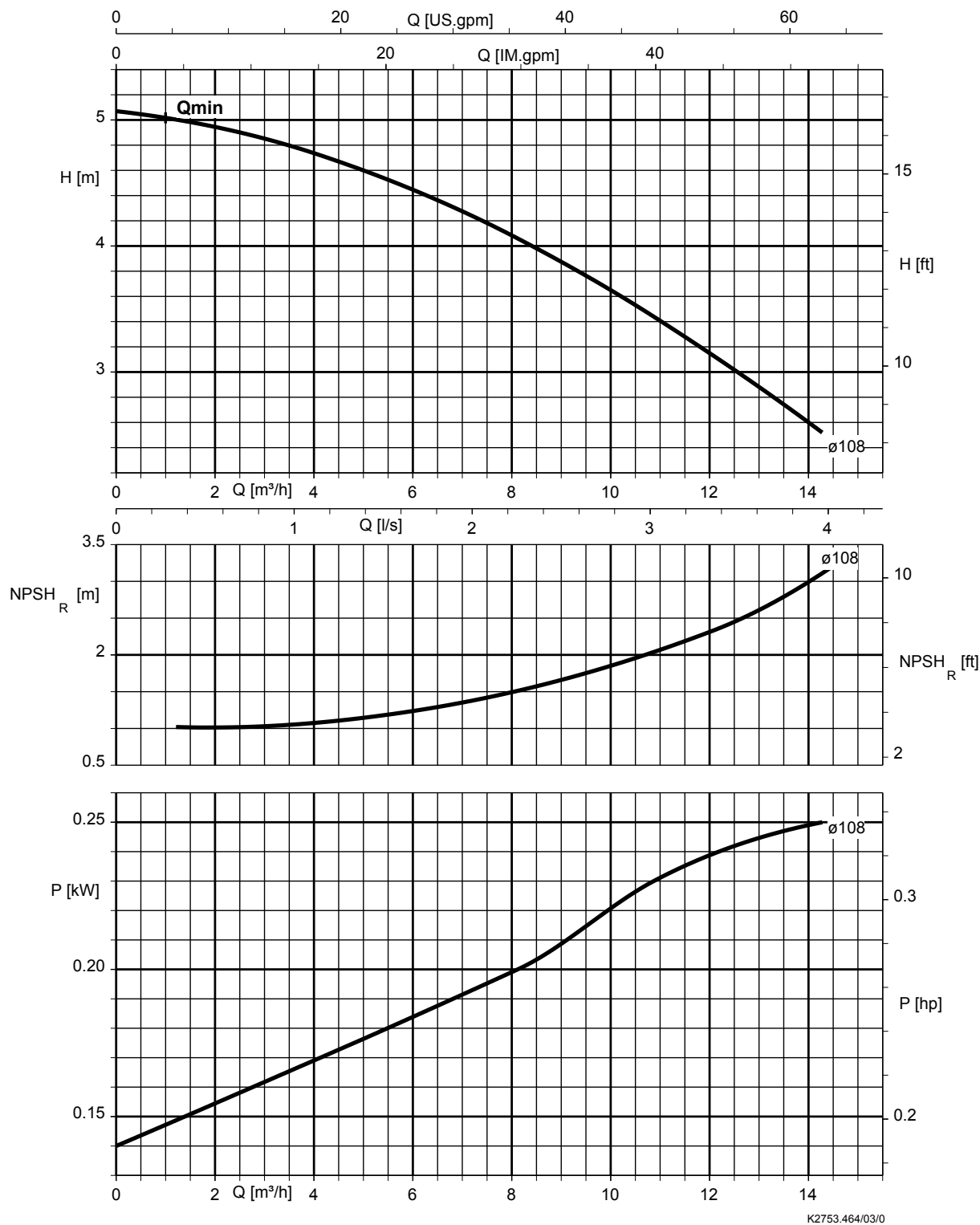
Etaprime L/B 025-025-100, $n = 1750 \text{ rpm}$



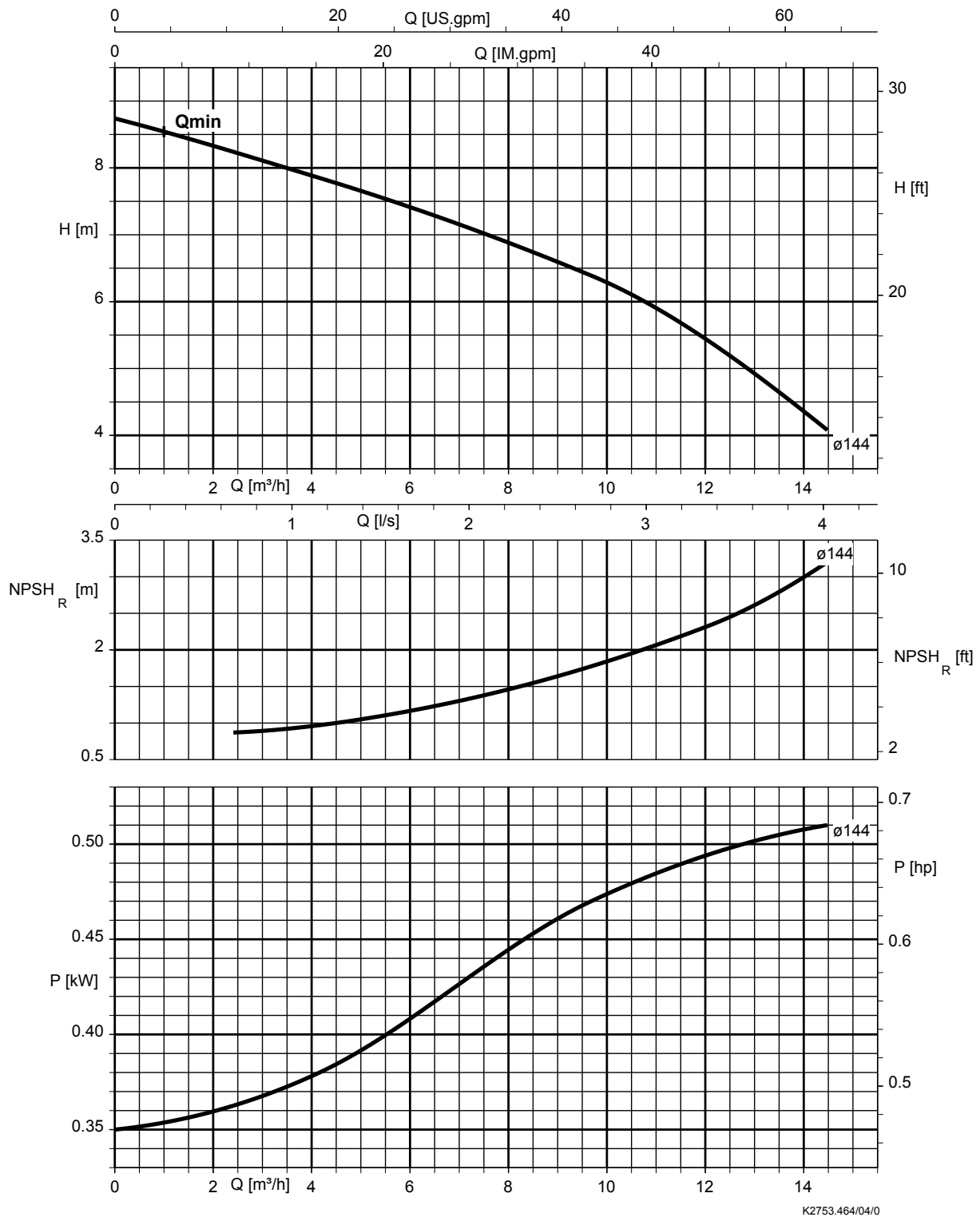
Etaprime L/B 032-032-120, n = 1750 rpm



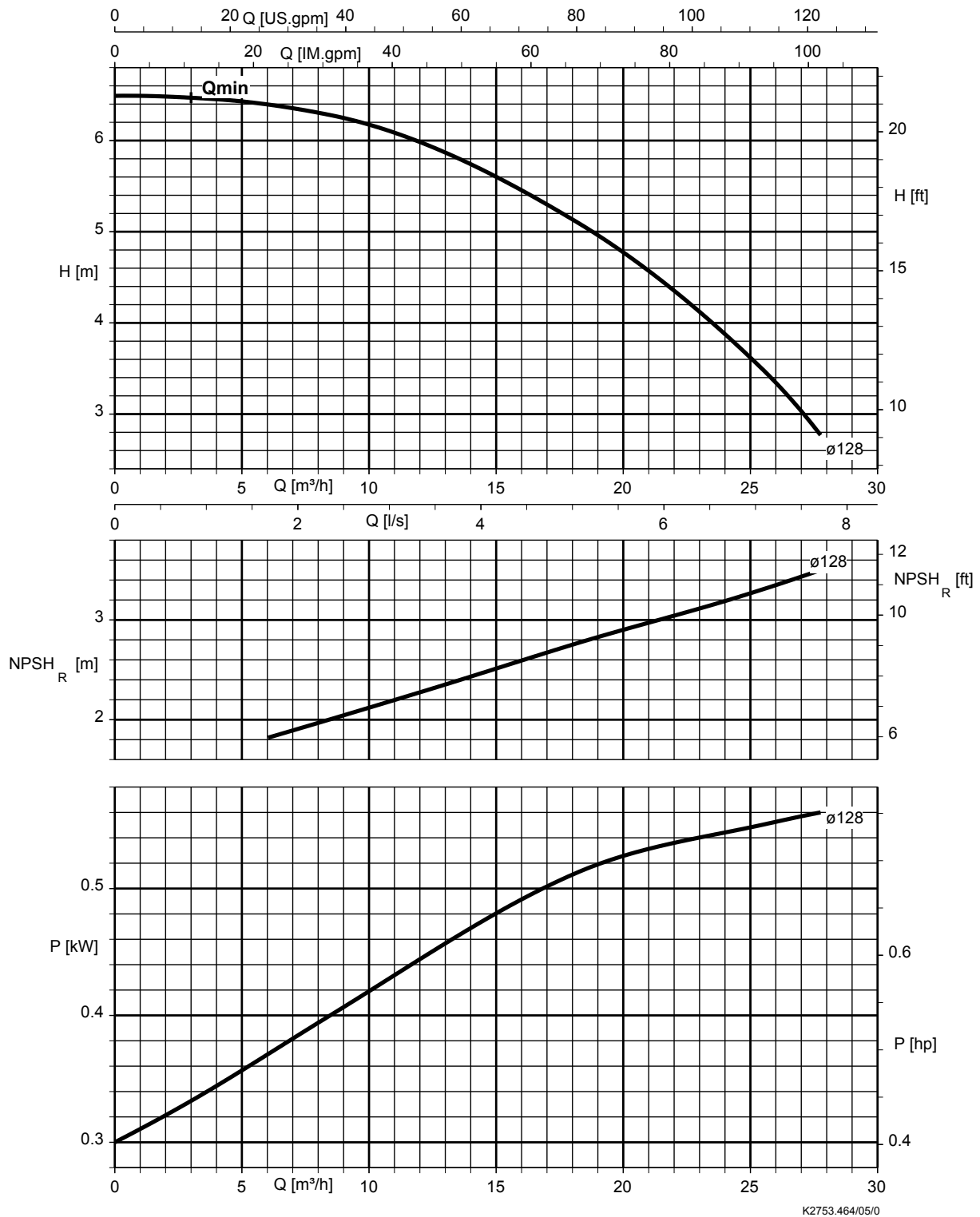
Etaprime L/B 040-040-110, n = 1750 rpm



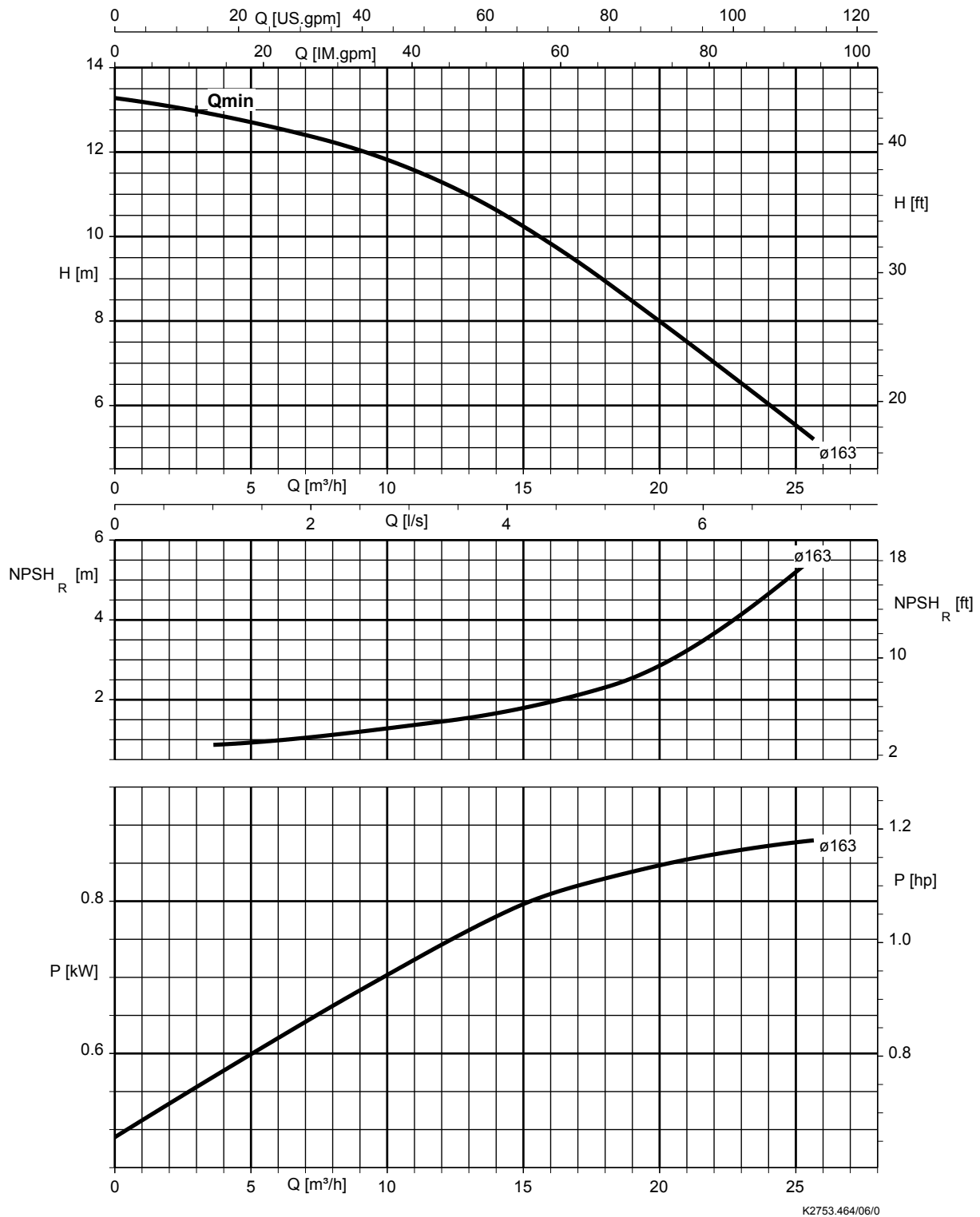
Etaprime L/B 040-040-140, n = 1750 rpm



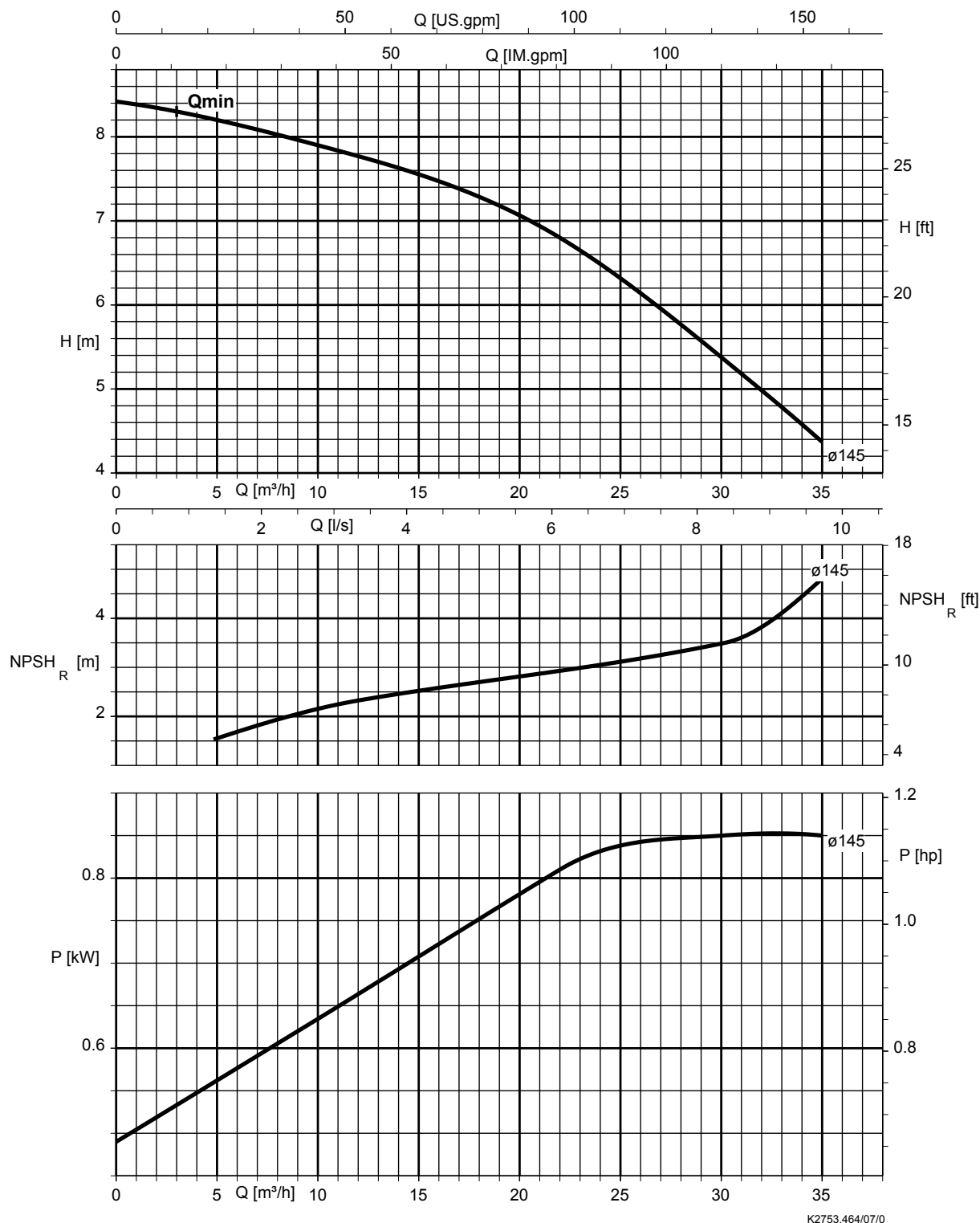
Etaprime L/B 050-050-130, n = 1750 rpm



Etaprime L/B 050-050-160, n = 1750 rpm

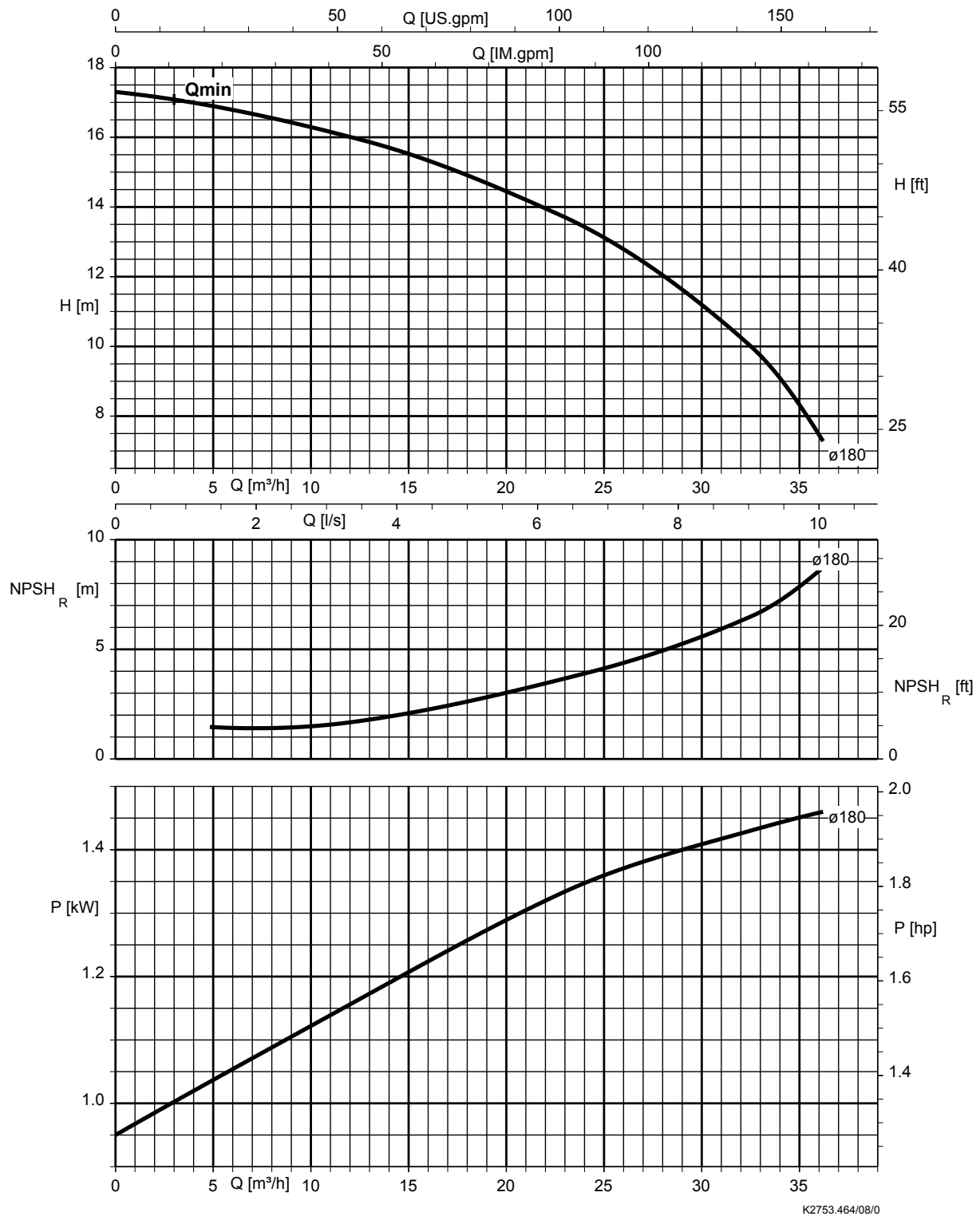


Etaprime L/B 065-065-150, n = 1750 rpm

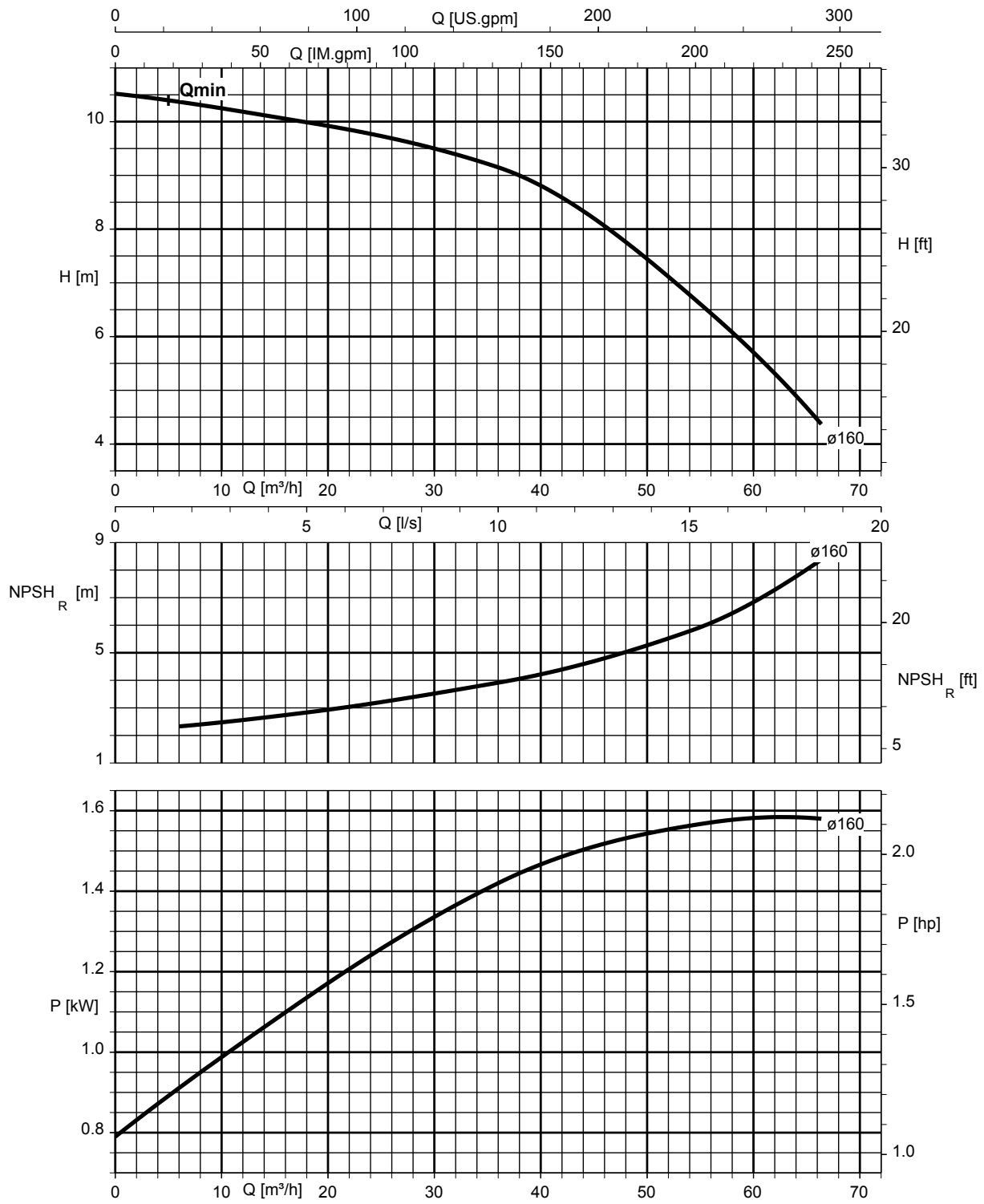


K2753.464/07/0

Etaprime L/B 065-065-180, $n = 1750$ rpm

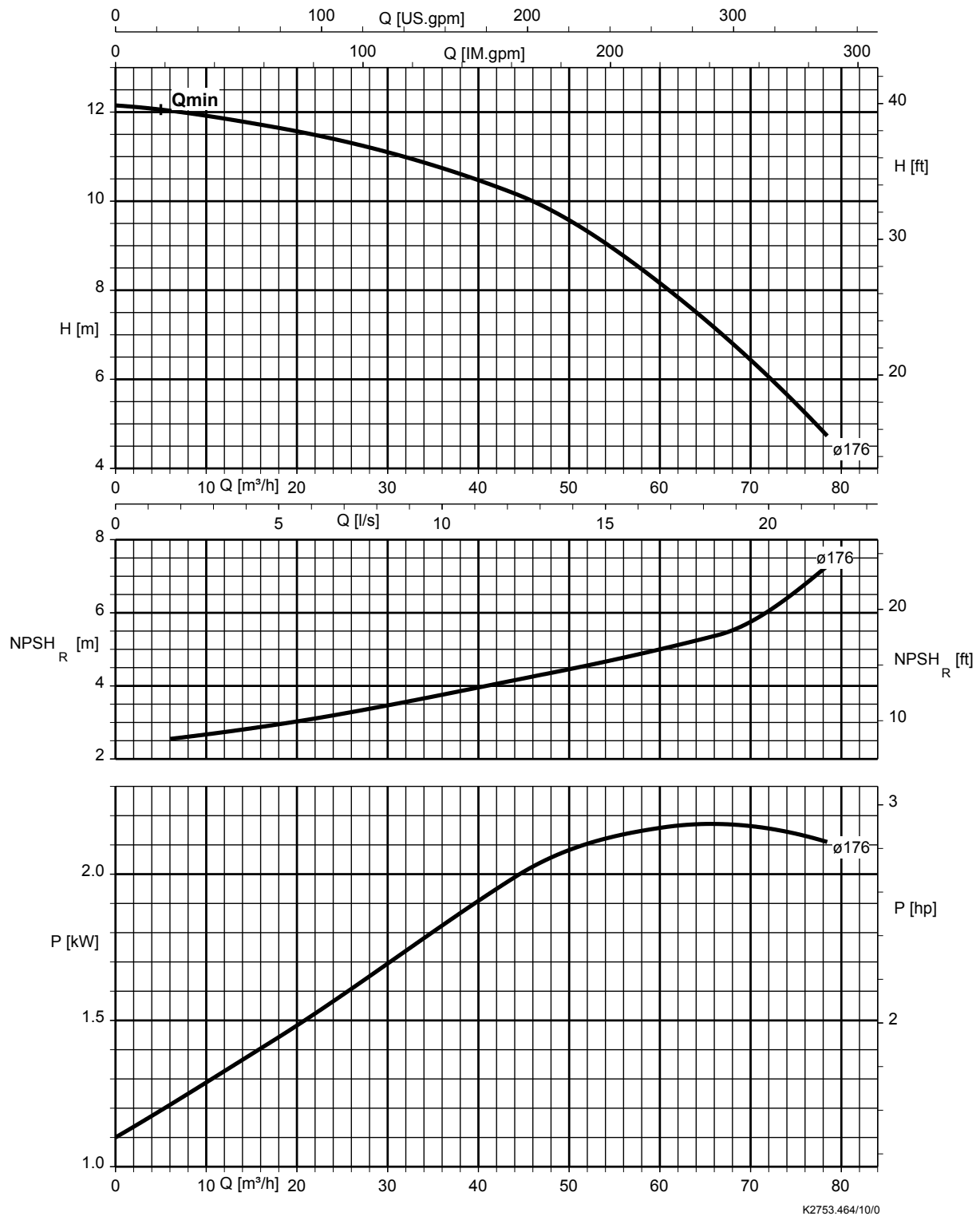


Etaprime L/B 080-080-170, $n = 1750$ rpm

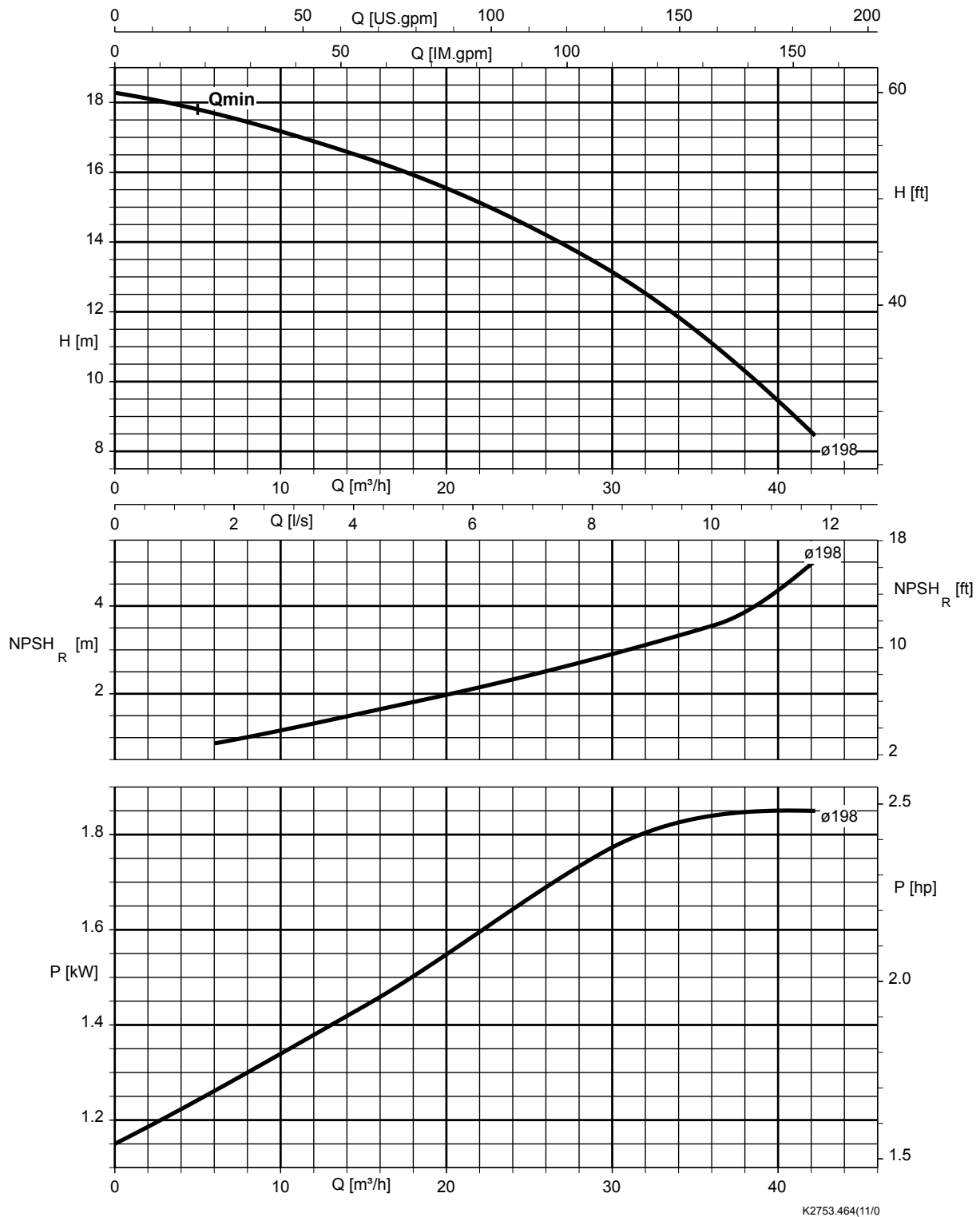


K2753.464/09/0

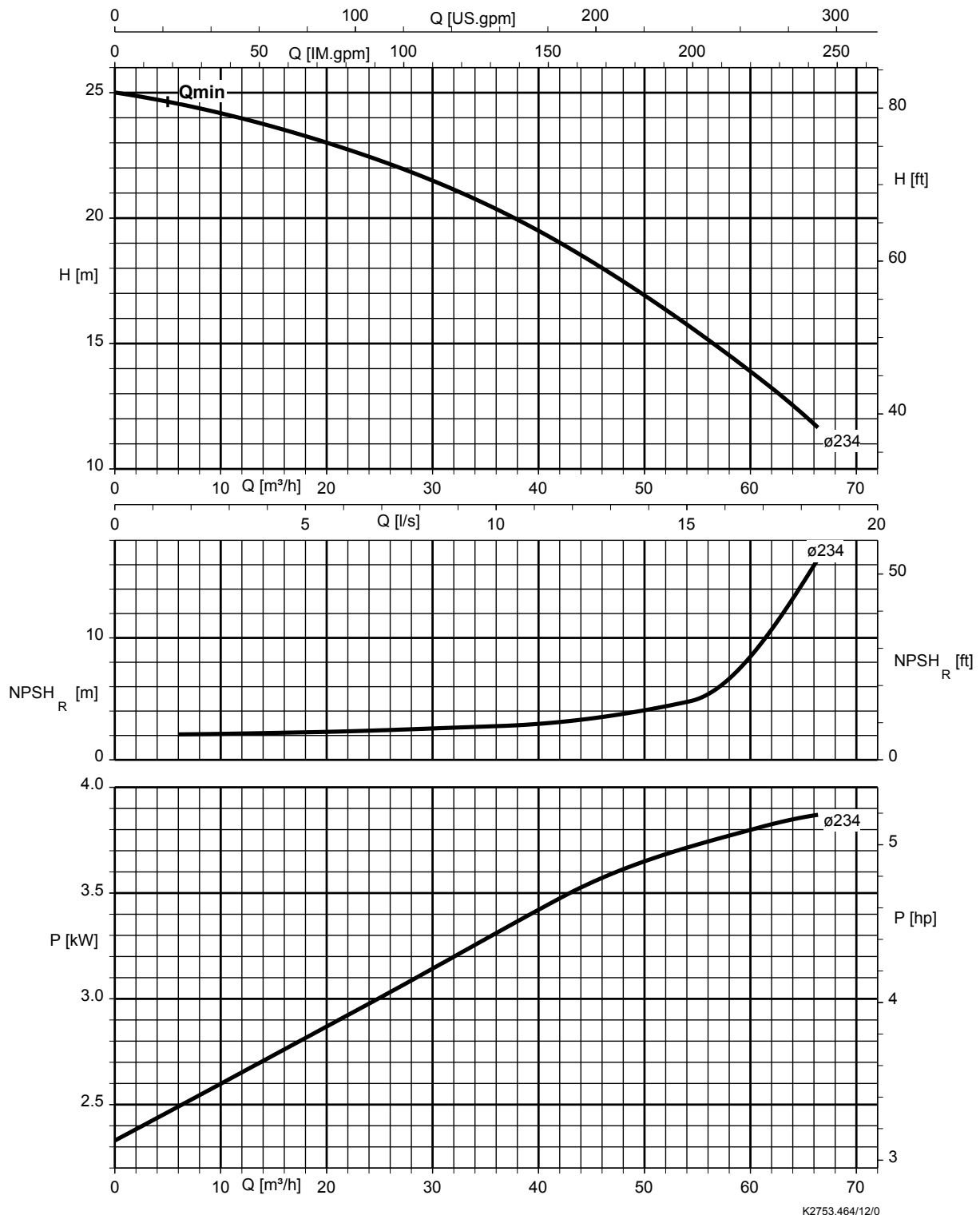
Etaprime L/B 080-080-190, n = 1750 rpm



Etaprime L/B 080-080-200, n = 1750 rpm

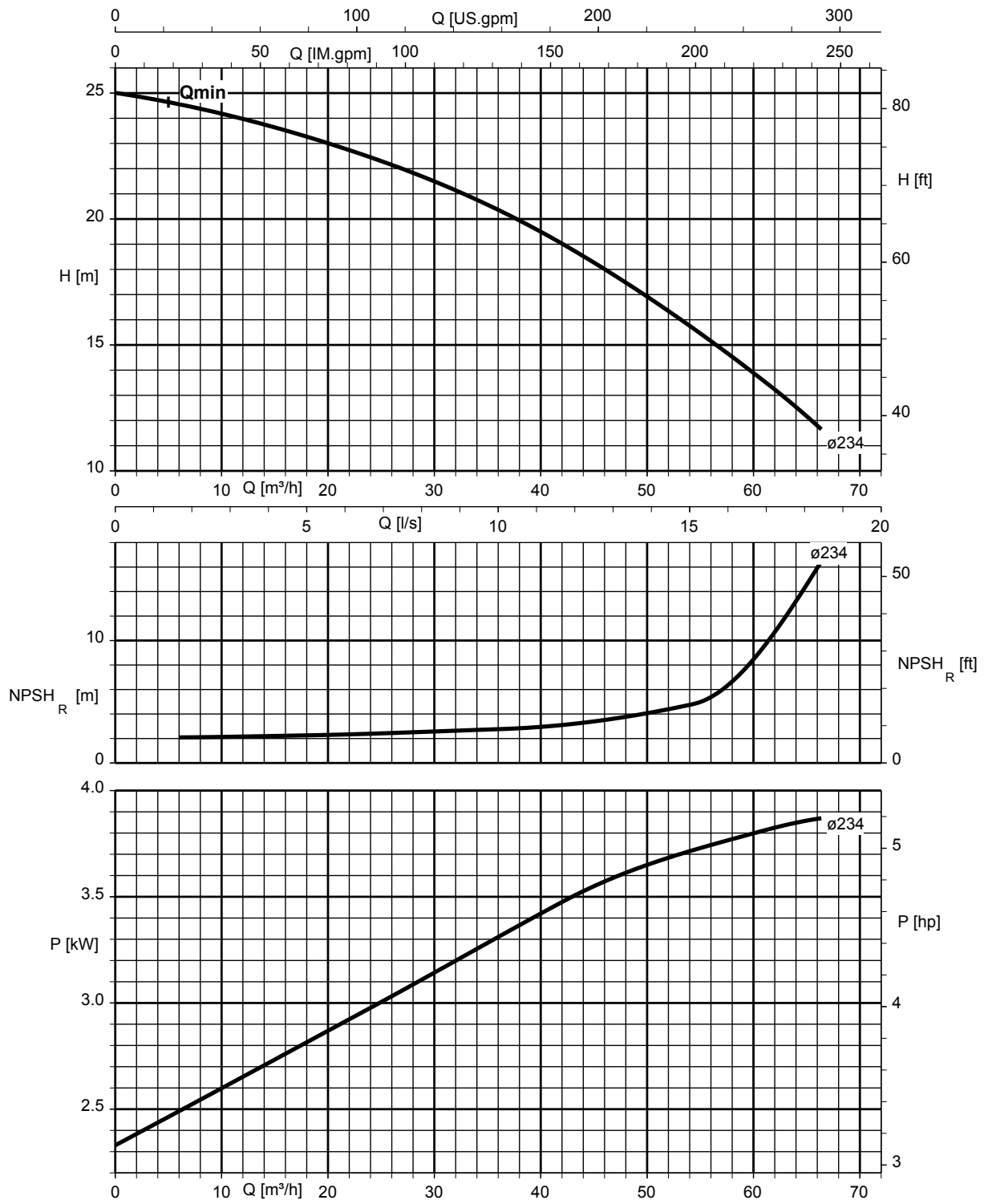


Etaprime L/B 100-100-240.1, $n = 1750$ rpm



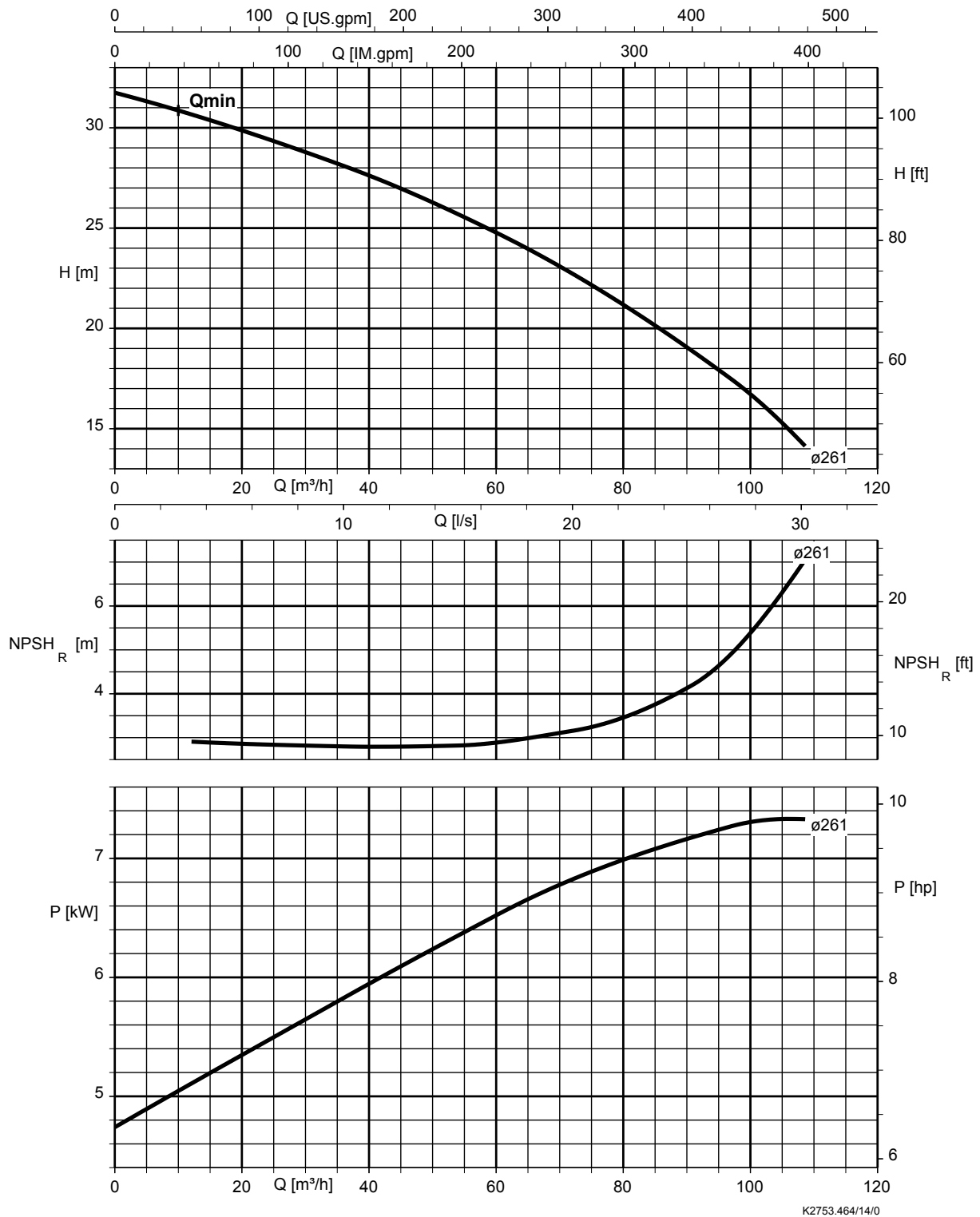
K2753.464/12/0

Etaprime L 100-100-240, $n = 1750$ rpm



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Etaprime L 125-125-260, n = 1750 rpm





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