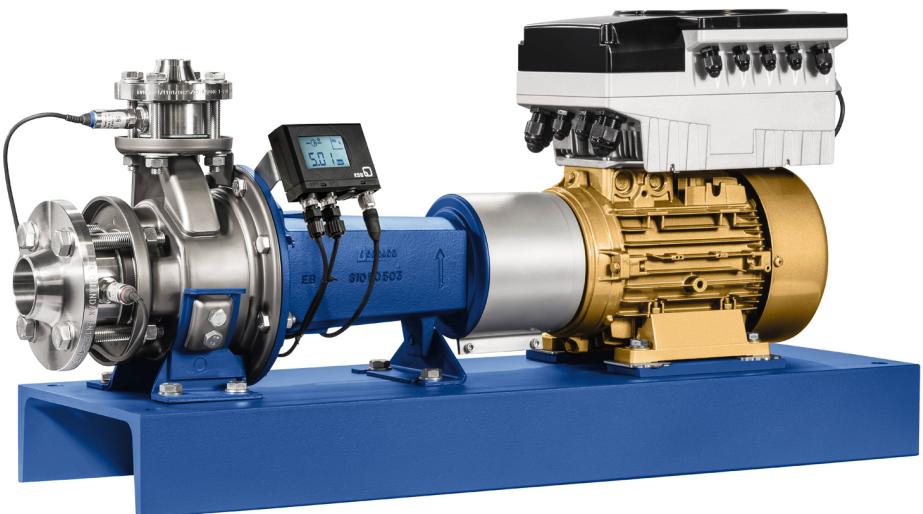


Standardised Pump / Close-coupled Pump

## Etachrom L / Etachrom B

Variable Speed Operation

### Characteristic Curves Booklet



## **Legal information/Copyright**

Characteristic Curves Booklet Etachrom L / Etachrom B

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## Centrifugal Pumps with Shaft Seal

### Standardised Pumps / Close-coupled Pumps

## Etachrom L, Etachrom B with variable speed system



Etachrom L



Etachrom B

#### General

**Test class:** Characteristic curves to ISO 9906 Class 3B

#### NPSH values

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

#### NPSH values in part-load conditions

NPSH values for flow rates below  $Q = 0.3 \times Q_{\text{opt}}$  can only be measured with intense technical efforts. Evidence of NPSH values in the part-load 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  $v$  of up to  $20 \text{ mm}^2/\text{s}$  max. If the density  $\neq 1.0$ , the performance data must be multiplied by  $\rho$ . 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.

#### Speed

Speed curves are documented up to the maximum speed. The motor power required for the operating range must therefore always be checked against the pump/motor combinations table in the relevant type series booklet. The maximum speeds depend on the impeller/shaft material combination and the limit speeds of the PumpDrive variable speed system.

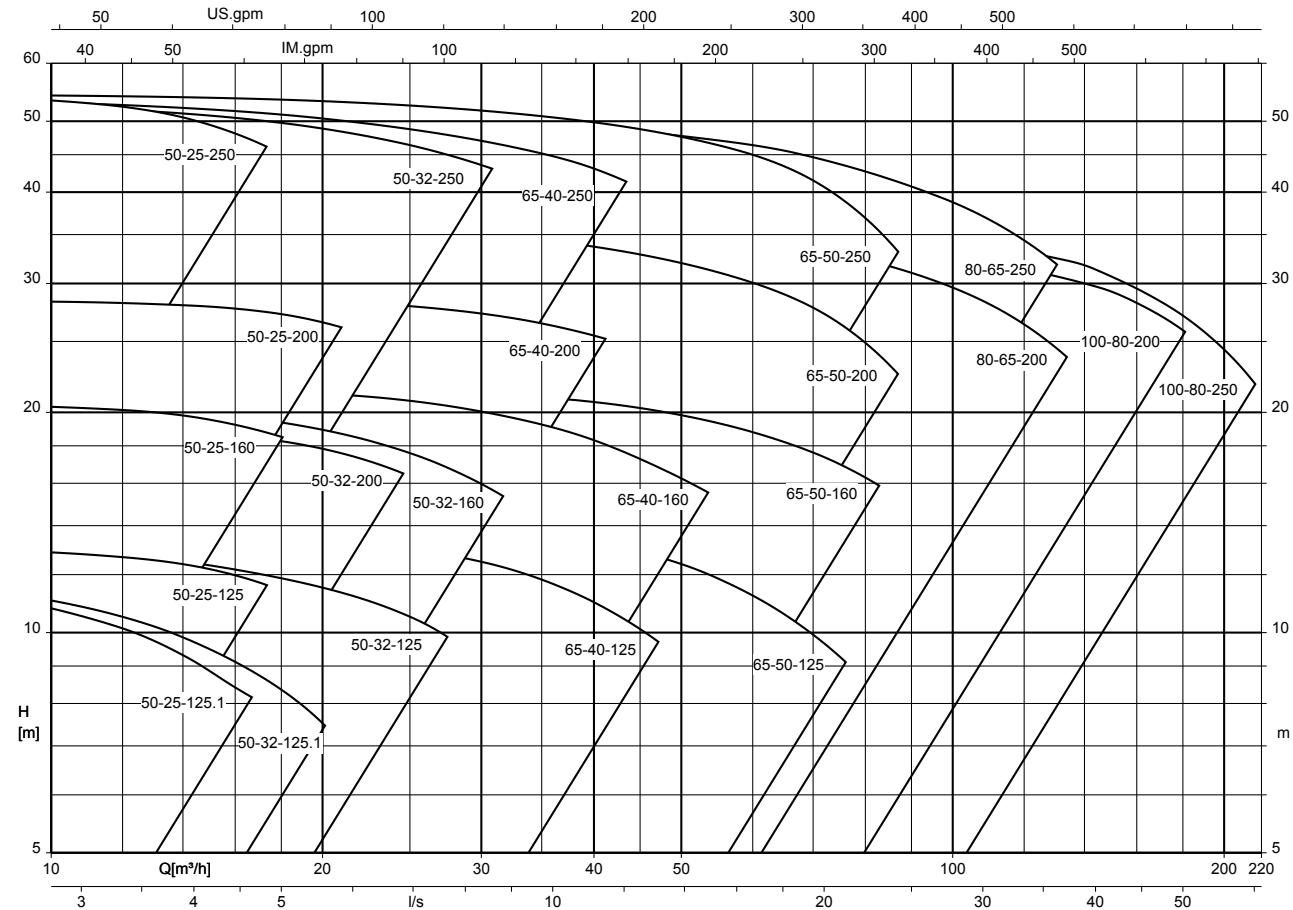
## Overview of sizes

### Overview of sizes

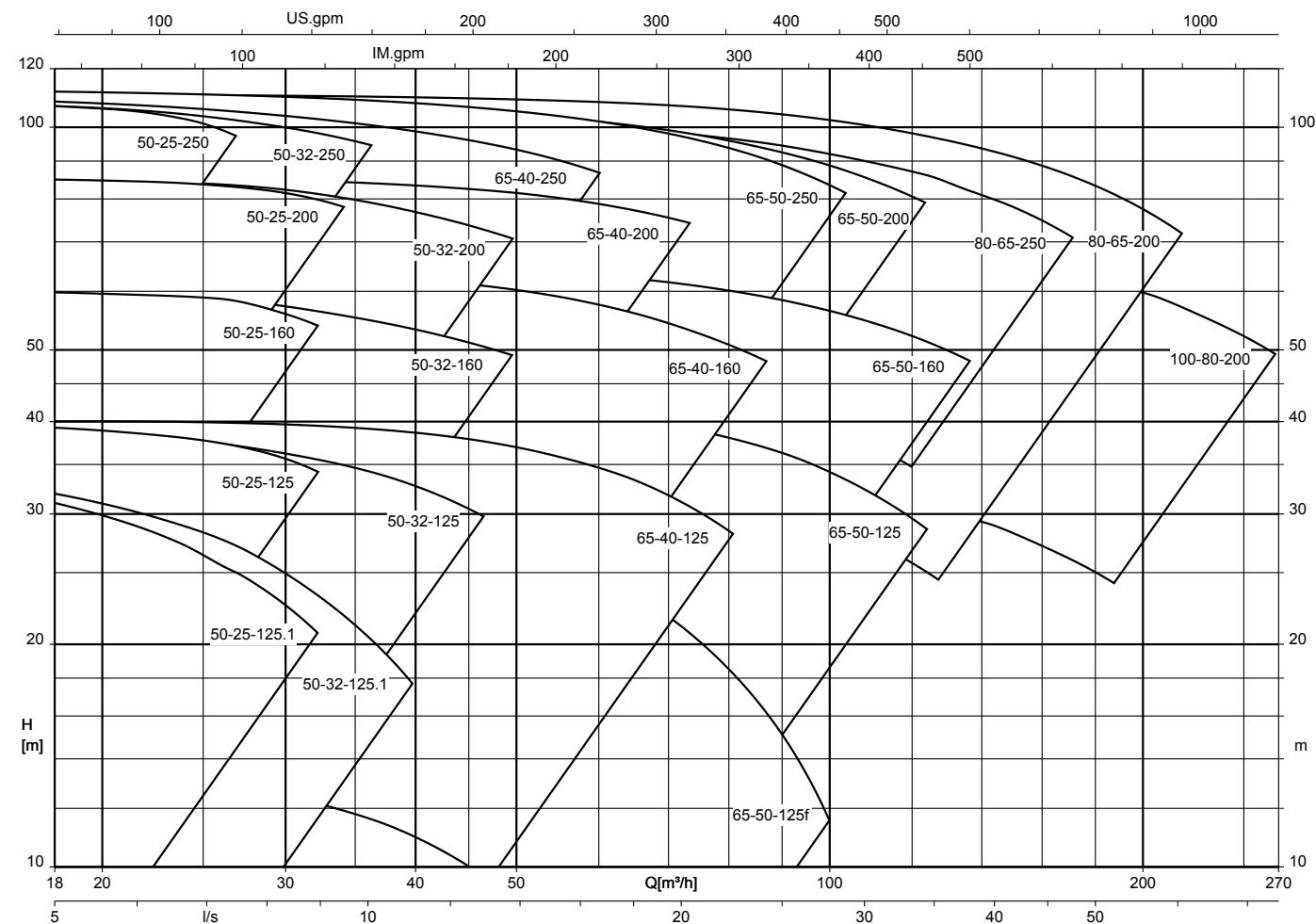
Size	Speed range	
	Up to 2100 rpm <sup>-1</sup>	From 2100 rpm <sup>-1</sup>
Etachrom L / Etachrom B	050-025-125	(⇒ Page 8)
Etachrom L / Etachrom B	050-025-125.1	(⇒ Page 10)
Etachrom L / Etachrom B	050-025-160	(⇒ Page 12)
Etachrom L / Etachrom B	050-025-200	(⇒ Page 14)
Etachrom L / Etachrom B	050-025-250	(⇒ Page 16)
Etachrom L / Etachrom B	050-032-125	(⇒ Page 18)
Etachrom L / Etachrom B	050-032-125.1	(⇒ Page 20)
Etachrom L / Etachrom B	050-032-160	(⇒ Page 22)
Etachrom L / Etachrom B	050-032-200	(⇒ Page 24)
Etachrom L / Etachrom B	050-032-250	(⇒ Page 26)
Etachrom L / Etachrom B	065-040-125	(⇒ Page 28)
Etachrom L / Etachrom B	065-040-160	(⇒ Page 30)
Etachrom L / Etachrom B	065-040-200	(⇒ Page 32)
Etachrom L / Etachrom B	065-040-250	(⇒ Page 34)
Etachrom L / Etachrom B	065-050-125	(⇒ Page 36)
Etachrom B with free-flow impeller	065-050-125f	-
Etachrom L / Etachrom B	065-050-160	(⇒ Page 39)
Etachrom L / Etachrom B	065-050-200	(⇒ Page 41)
Etachrom L / Etachrom B	065-050-250	(⇒ Page 43)
Etachrom L / Etachrom B	080-065-200	(⇒ Page 45)
Etachrom L / Etachrom B	080-065-250	(⇒ Page 47)
Etachrom L / Etachrom B	100-080-200	(⇒ Page 49)
Etachrom L / Etachrom B	100-080-250	(⇒ Page 51) Up to 1800 rpm

## Selection charts

Etaghrom L, Etaghrom B, speed range up to 2100 rpm

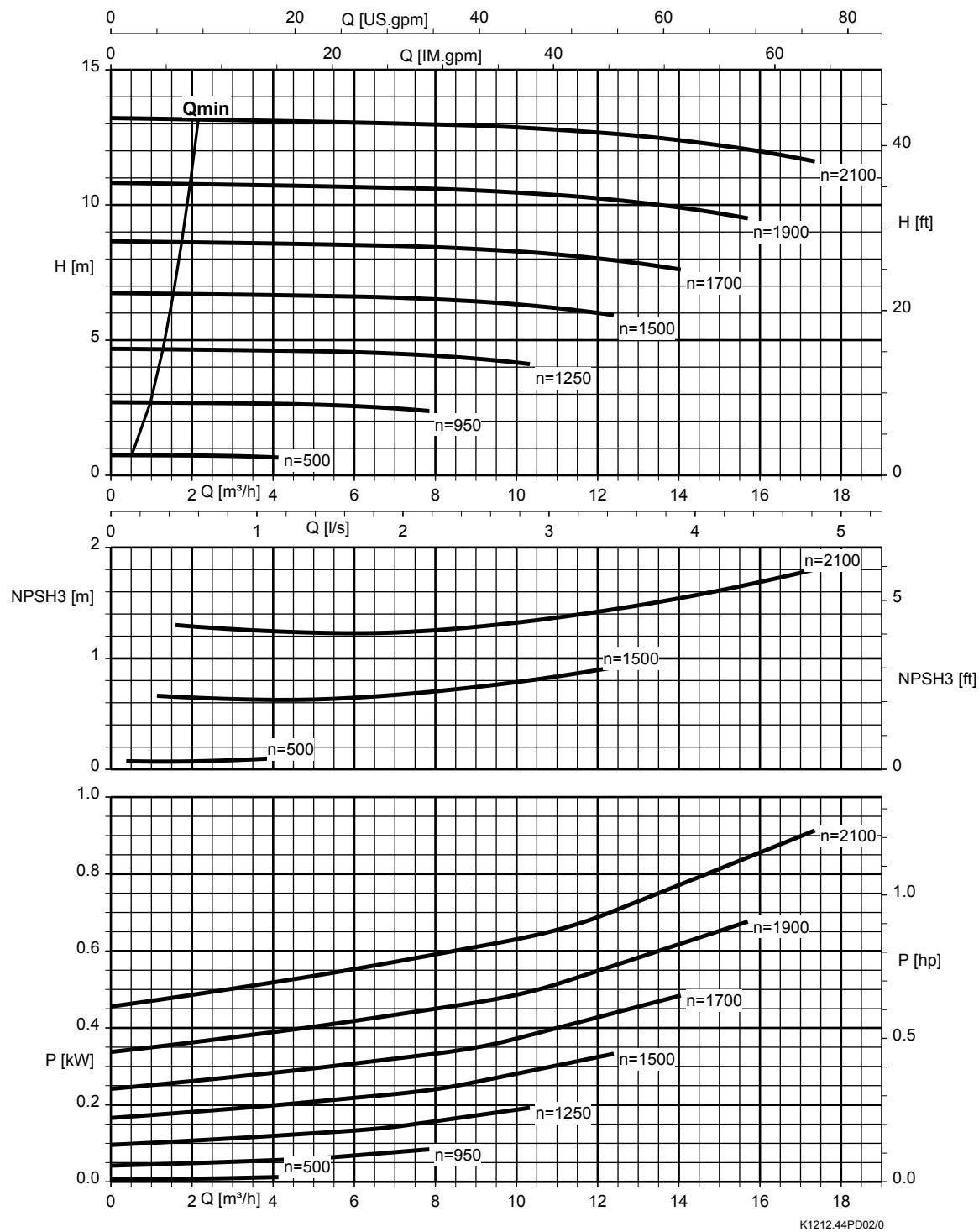


**i** Speed curves are documented up to the maximum speed. The motor power required for the operating range must therefore always be checked against the pump/motor combinations table in the relevant type series booklet.

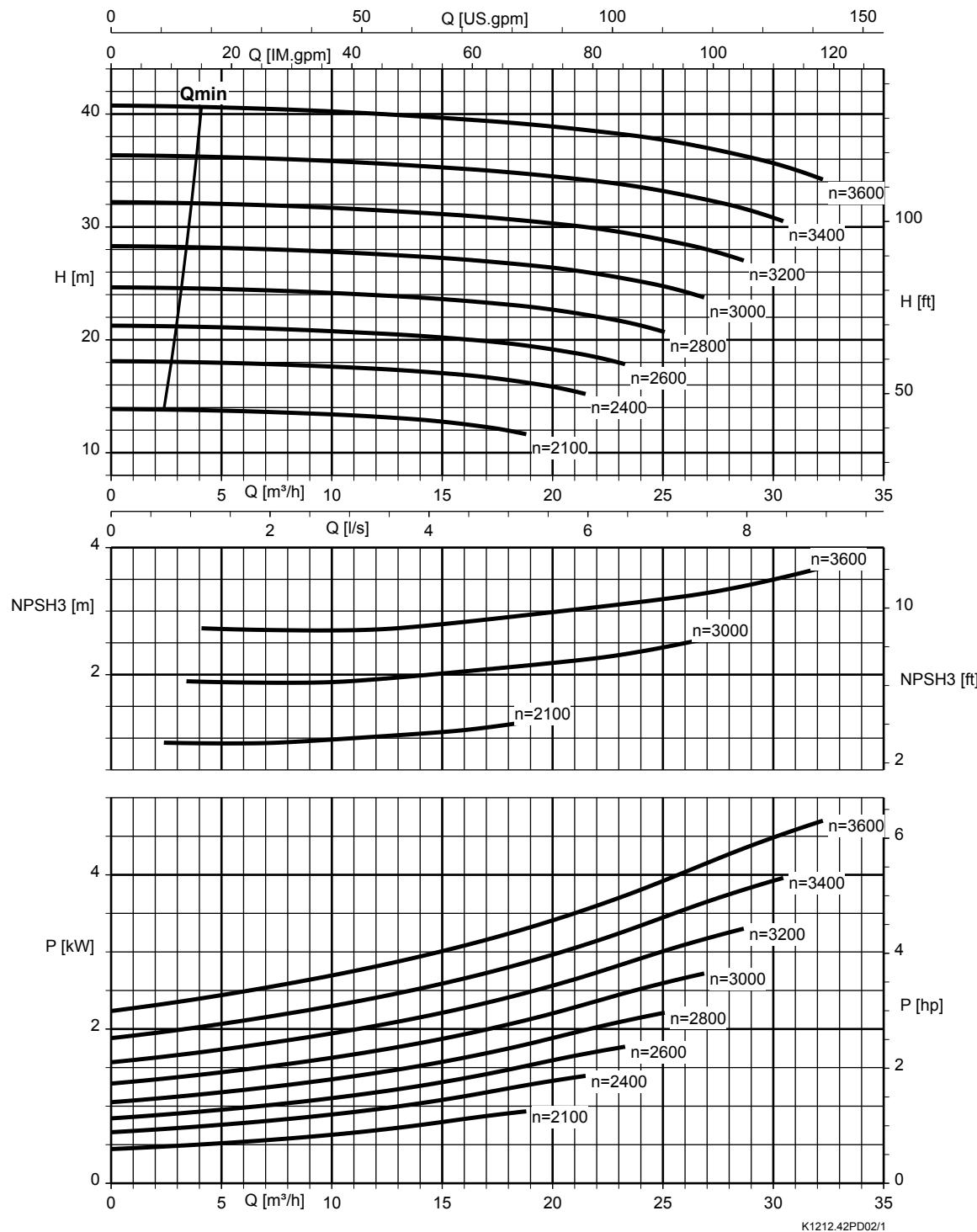
**Etachrom L, Etachrom B, speed range up to 2100 rpm**


Speed curves are documented up to the maximum speed. The motor power required for the operating range must therefore always be checked against the pump/motor combinations table in the relevant type series booklet.

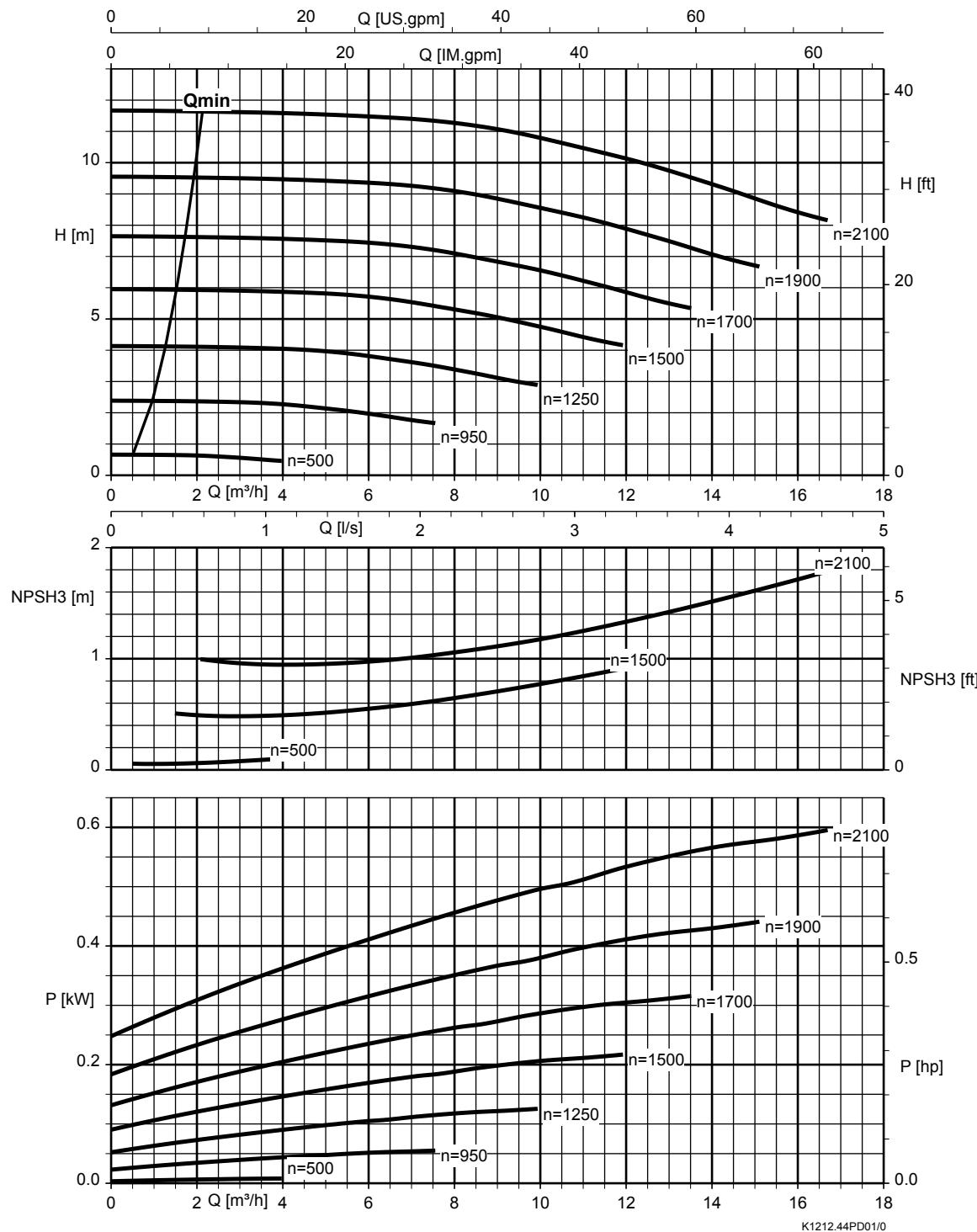
## Characteristic curves

**Etachrom L, Etachrom B, 050-025-125, up to 2100 rpm**


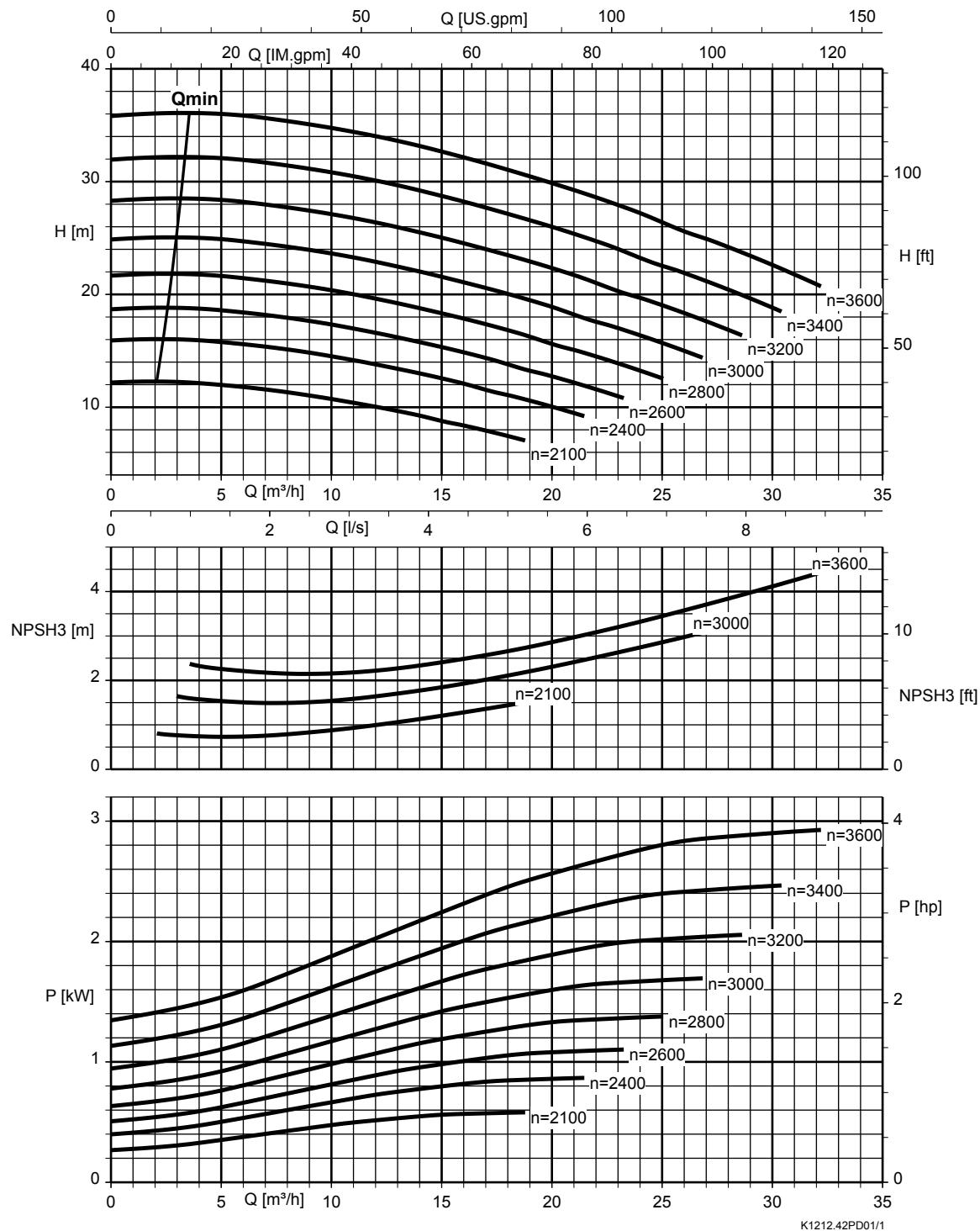
Impeller diameter: 136 mm

**Etachrom L, Etachrom B, 050-025-125, from 2100 rpm**


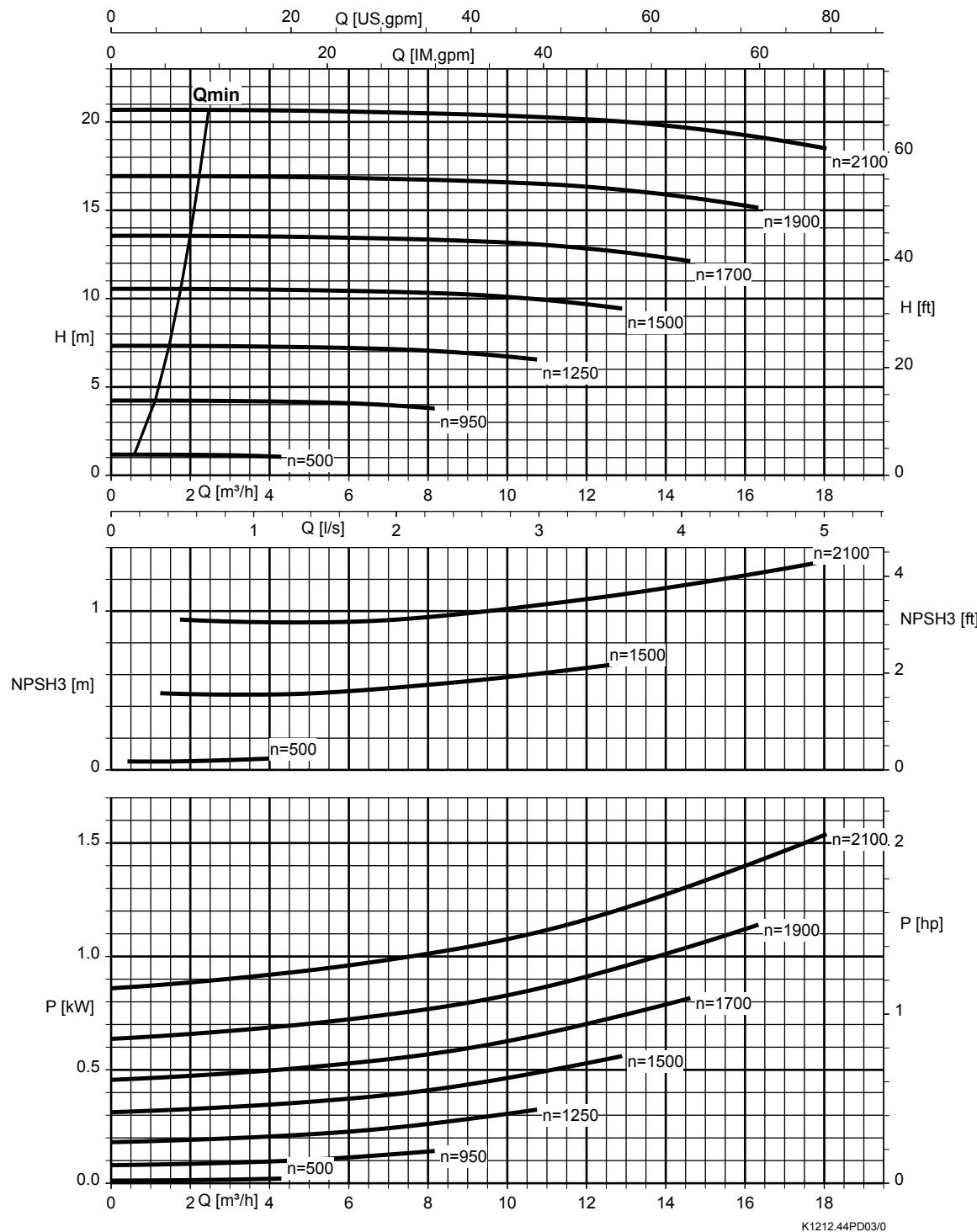
Impeller diameter: 136 mm

**Etachrom L, Etachrom B, 050-025-125.1, up to 2100 rpm**


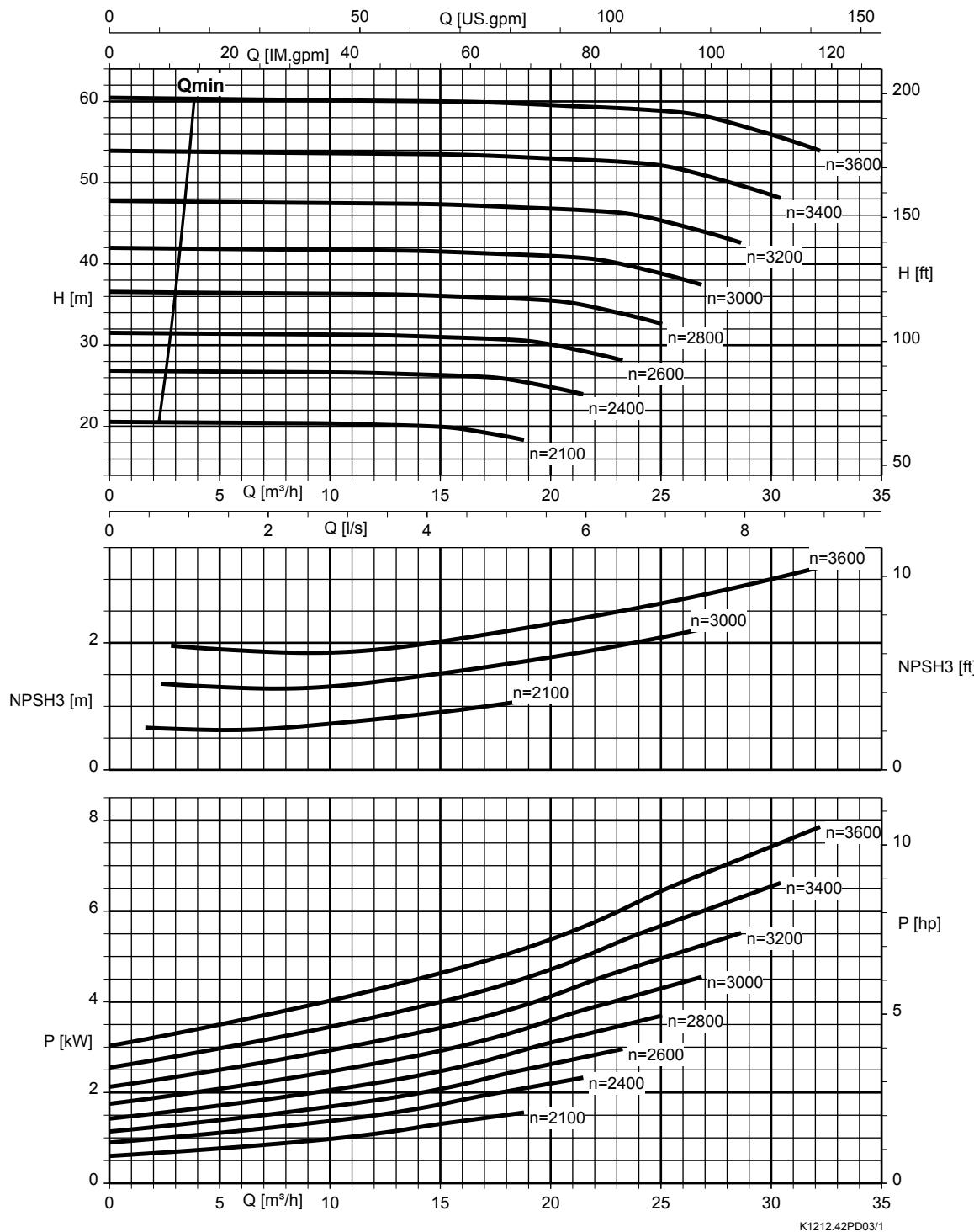
Impeller diameter: 136 mm

**Etachrom L, Etachrom B, 050-025-125.1, from 2100 rpm**


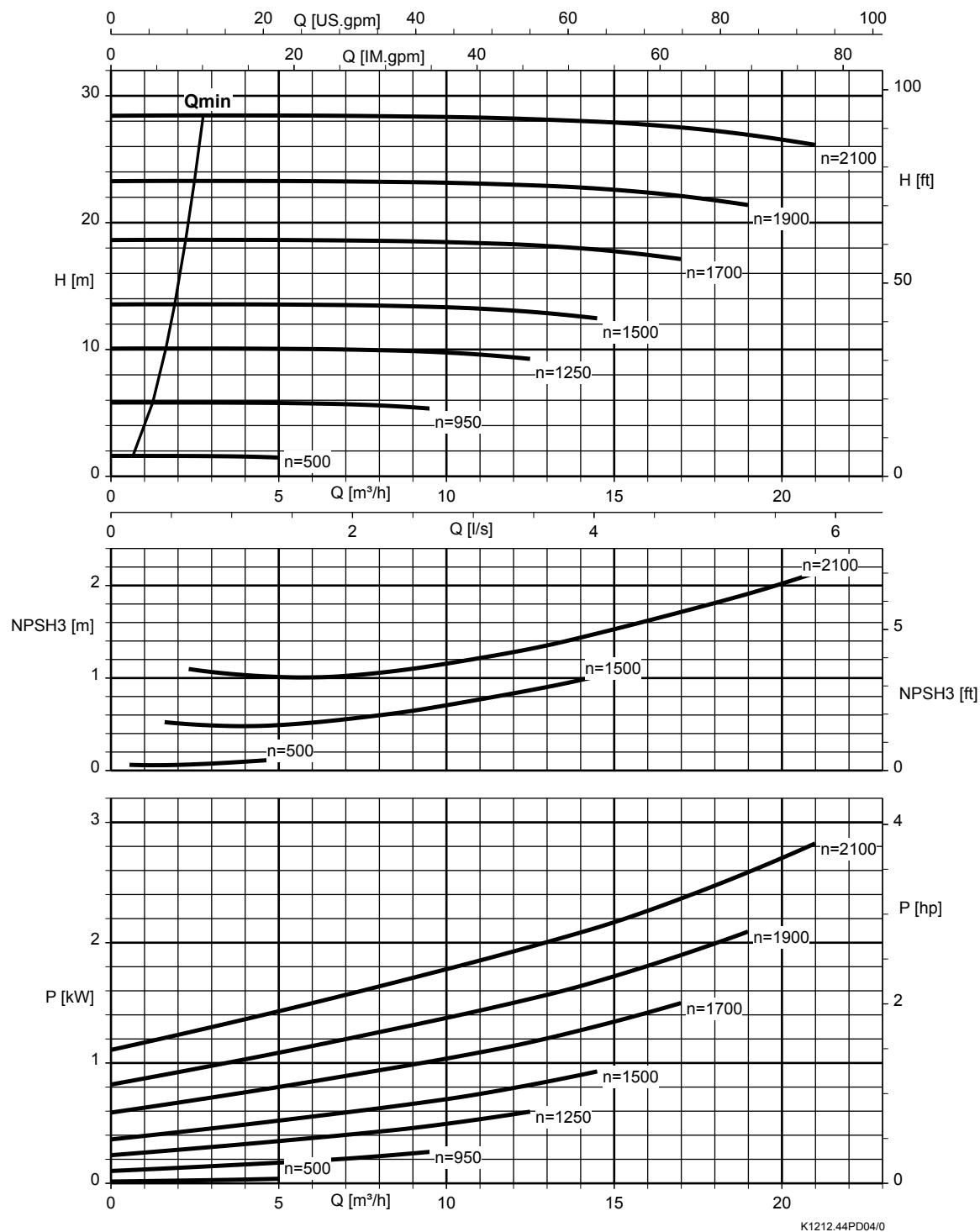
Impeller diameter: 136 mm

**Etachrom L, Etachrom B, 050-025-160, up to 2100 rpm**


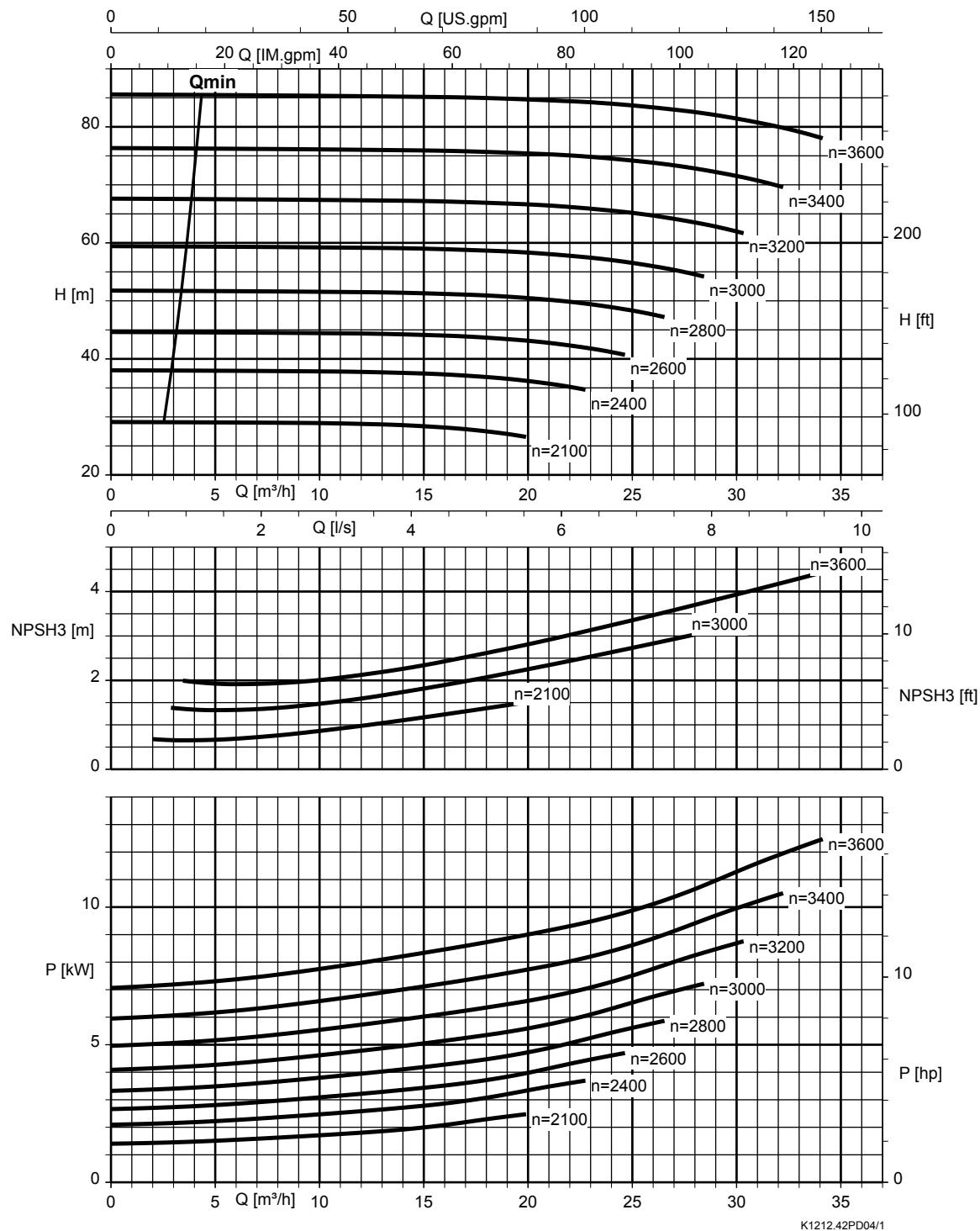
Impeller diameter: 166 mm

**Etachrom L, Etachrom B, 050-025-160, from 2100 rpm**


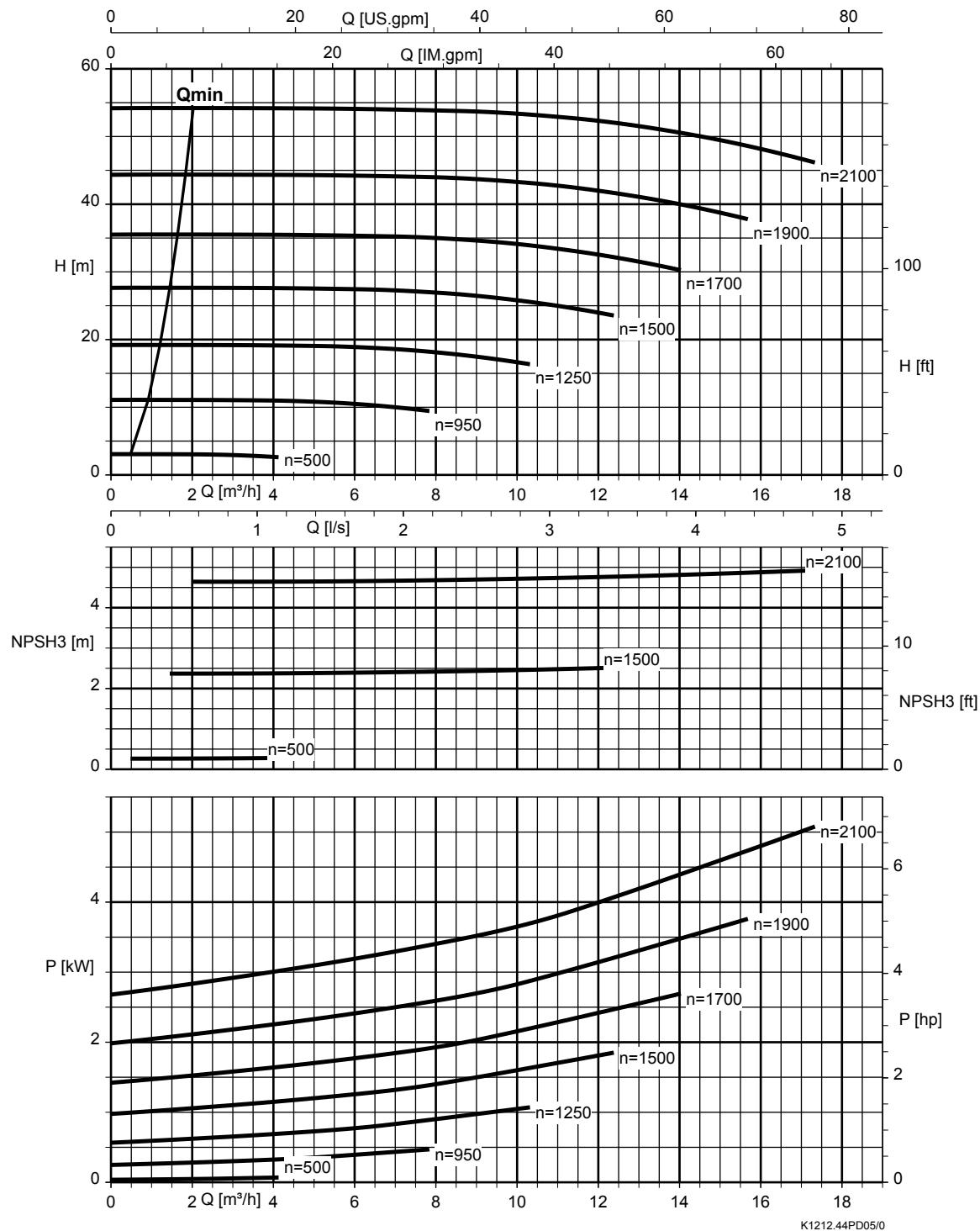
Impeller diameter: 166 mm

**Etachrom L, Etachrom B, 050-025-200, up to 2100 rpm**


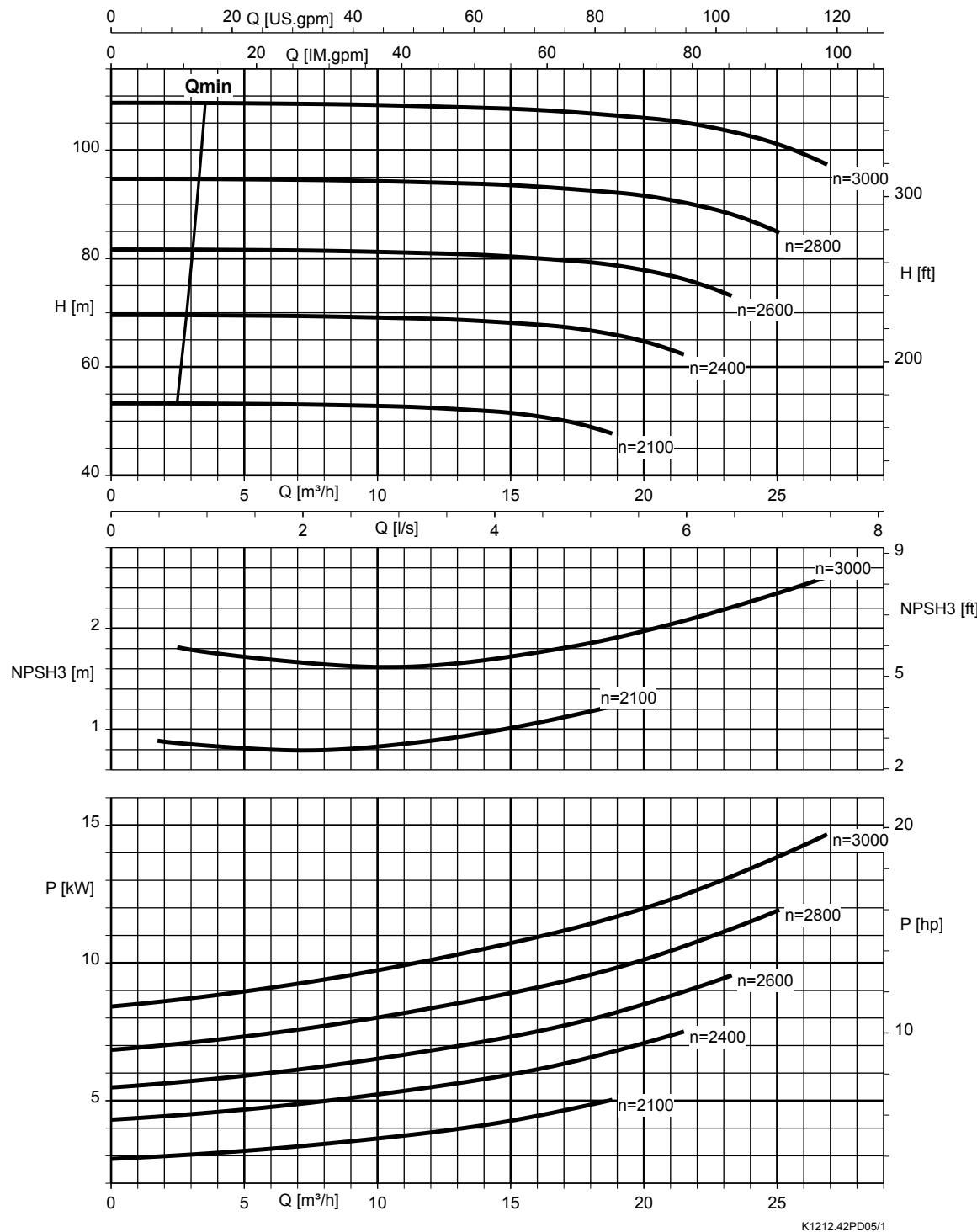
Impeller diameter: 196 mm

**Etachrom L, Etachrom B, 050-025-200, from 2100 rpm**


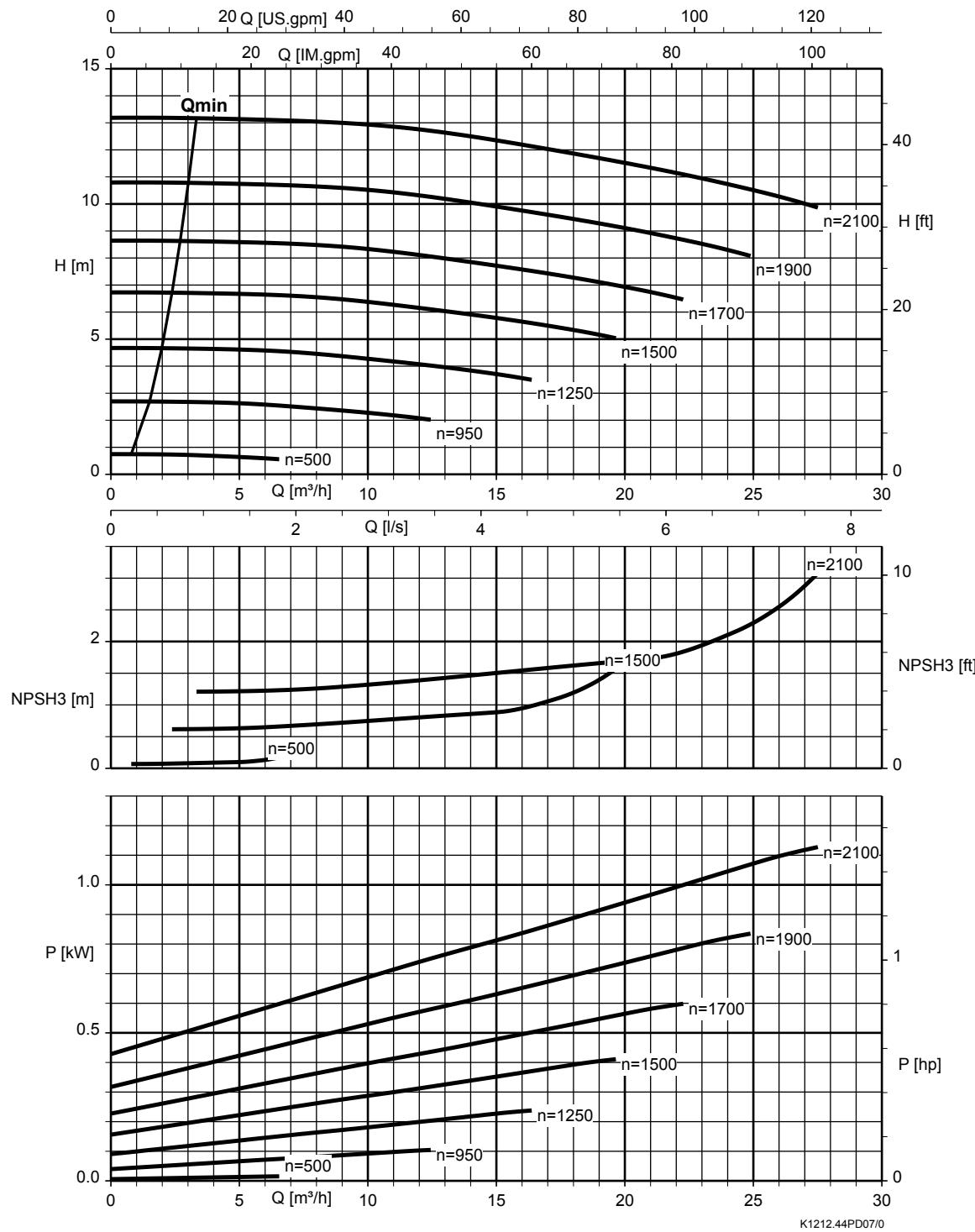
Impeller diameter: 196 mm

**Etachrom L, Etachrom B, 050-025-250, up to 2100 rpm**


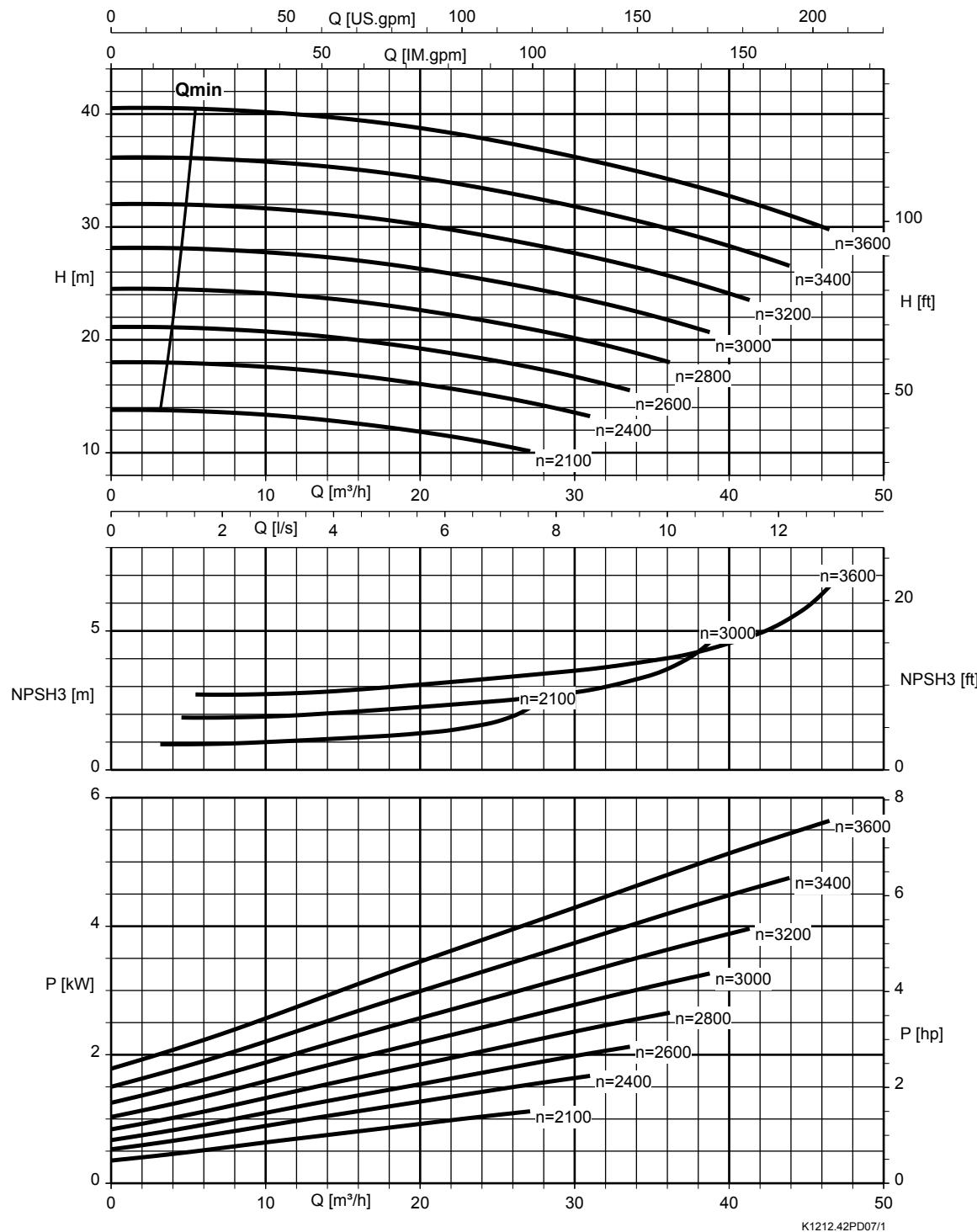
Impeller diameter: 260 mm

**Etachrom L, Etachrom B, 050-025-250, from 2100 rpm**


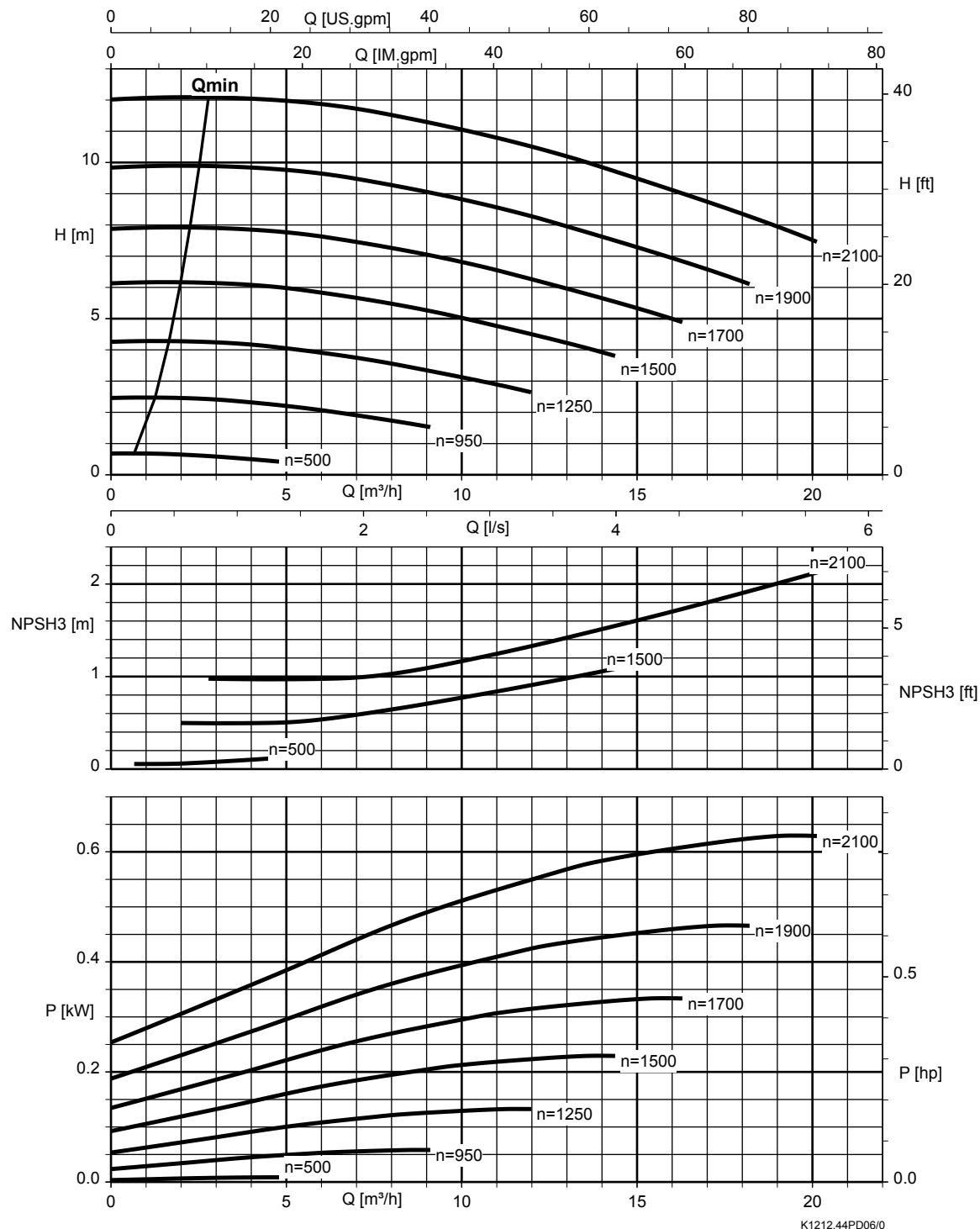
Impeller diameter: 260 mm

**Etachrom L, Etachrom B, 050-032-125, up to 2100 rpm**


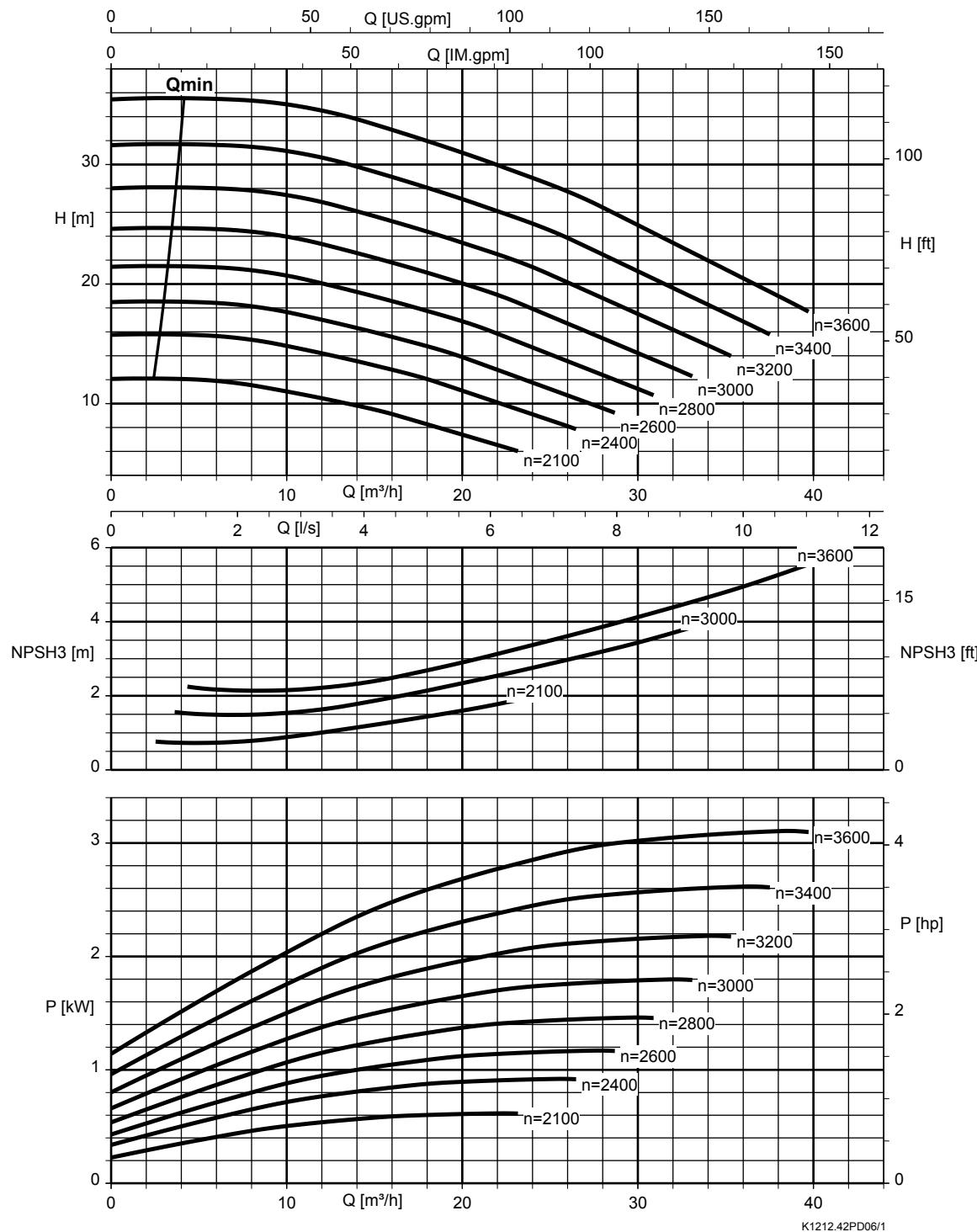
Impeller diameter: 136 mm

**Etachrom L, Etachrom B, 050-032-125, from 2100 rpm**


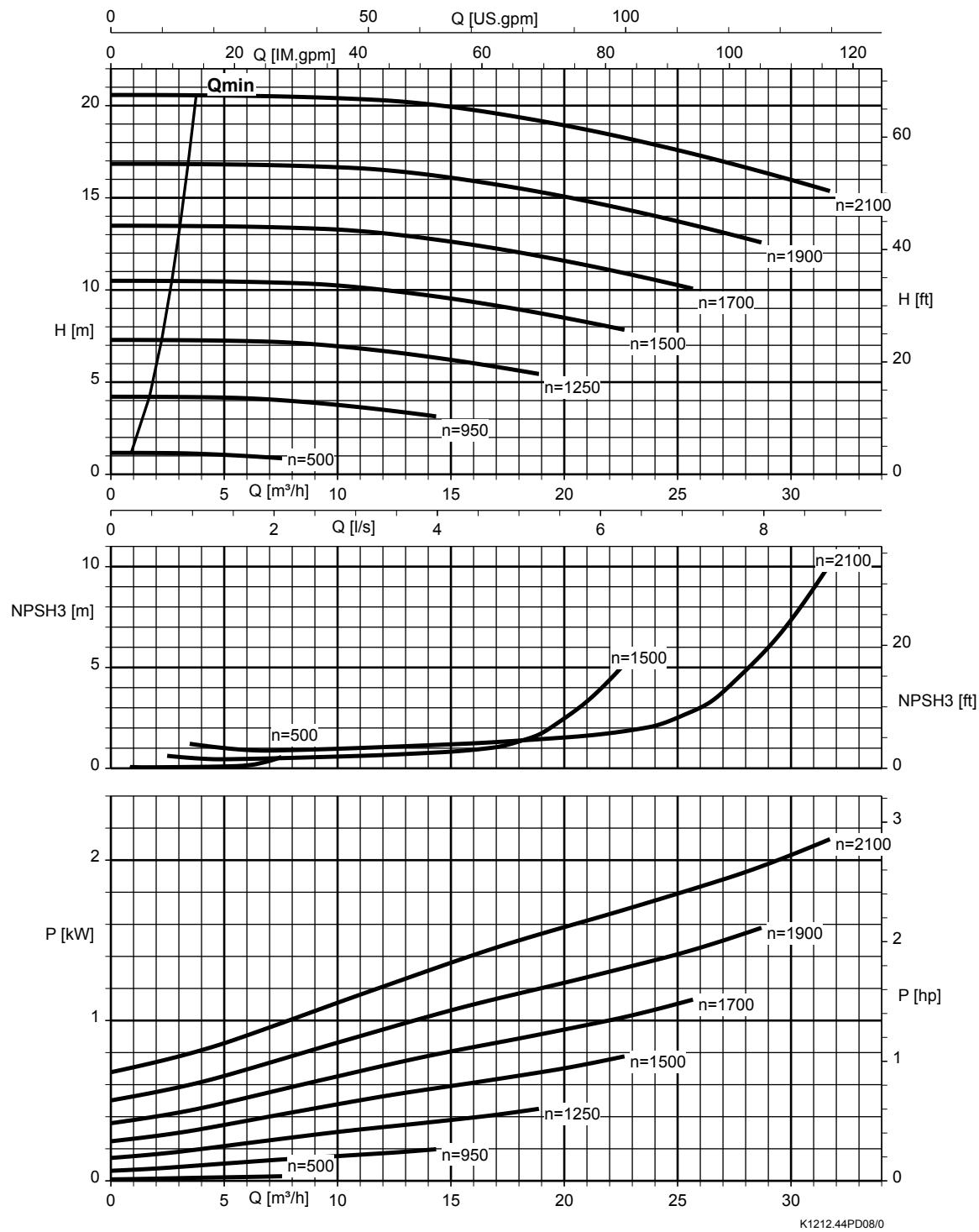
Impeller diameter: 136 mm

**Etachrom L, Etachrom B, 050-032-125.1, up to 2100 rpm**


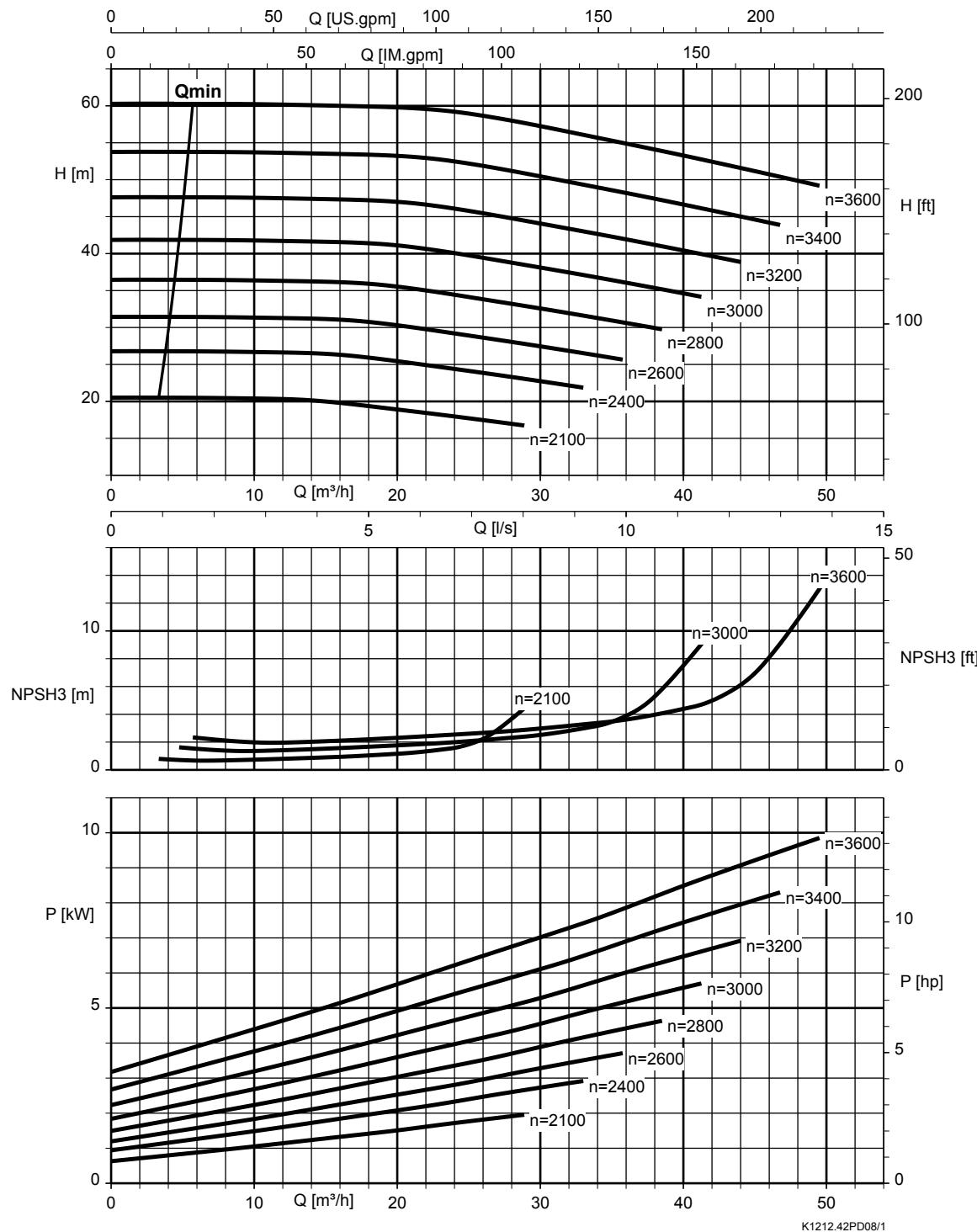
Impeller diameter: 136 mm

**Etachrom L, Etachrom B, 050-032-125.1, from 2100 rpm**


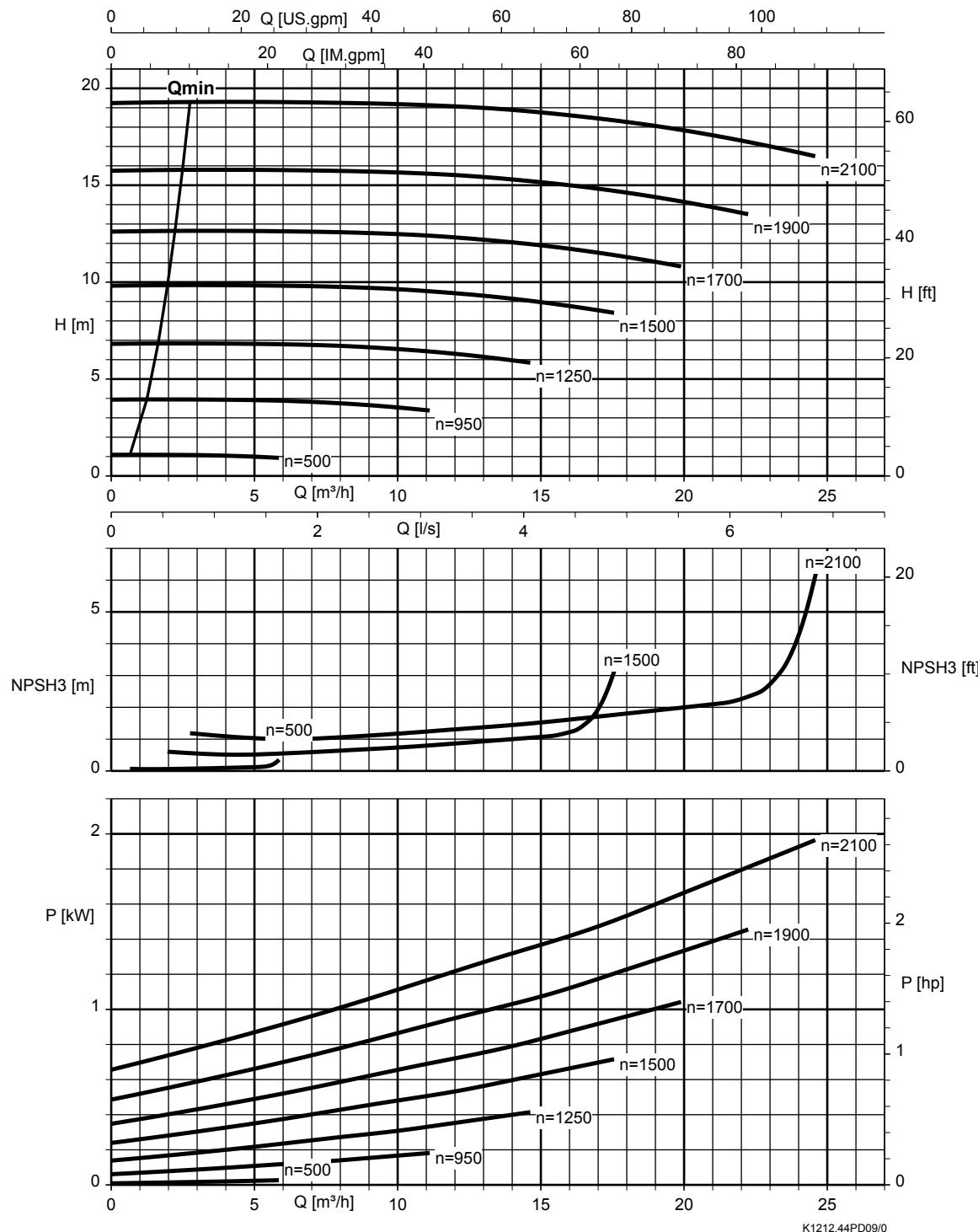
Impeller diameter: 136 mm

**Etachrom L, Etachrom B, 050-032-160, up to 2100 rpm**


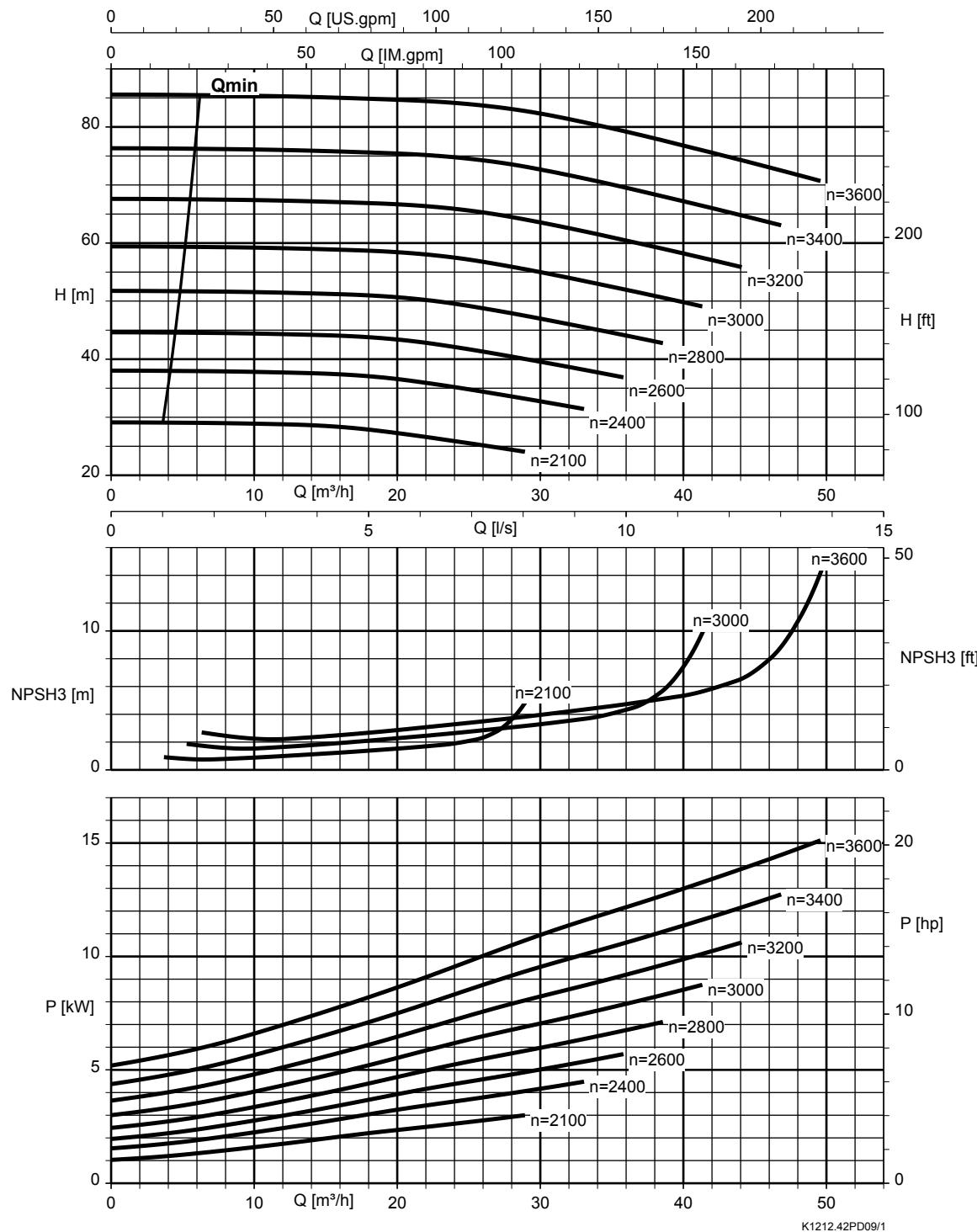
Impeller diameter: 166 mm

**Etachrom L, Etachrom B, 050-032-160, from 2100 rpm**


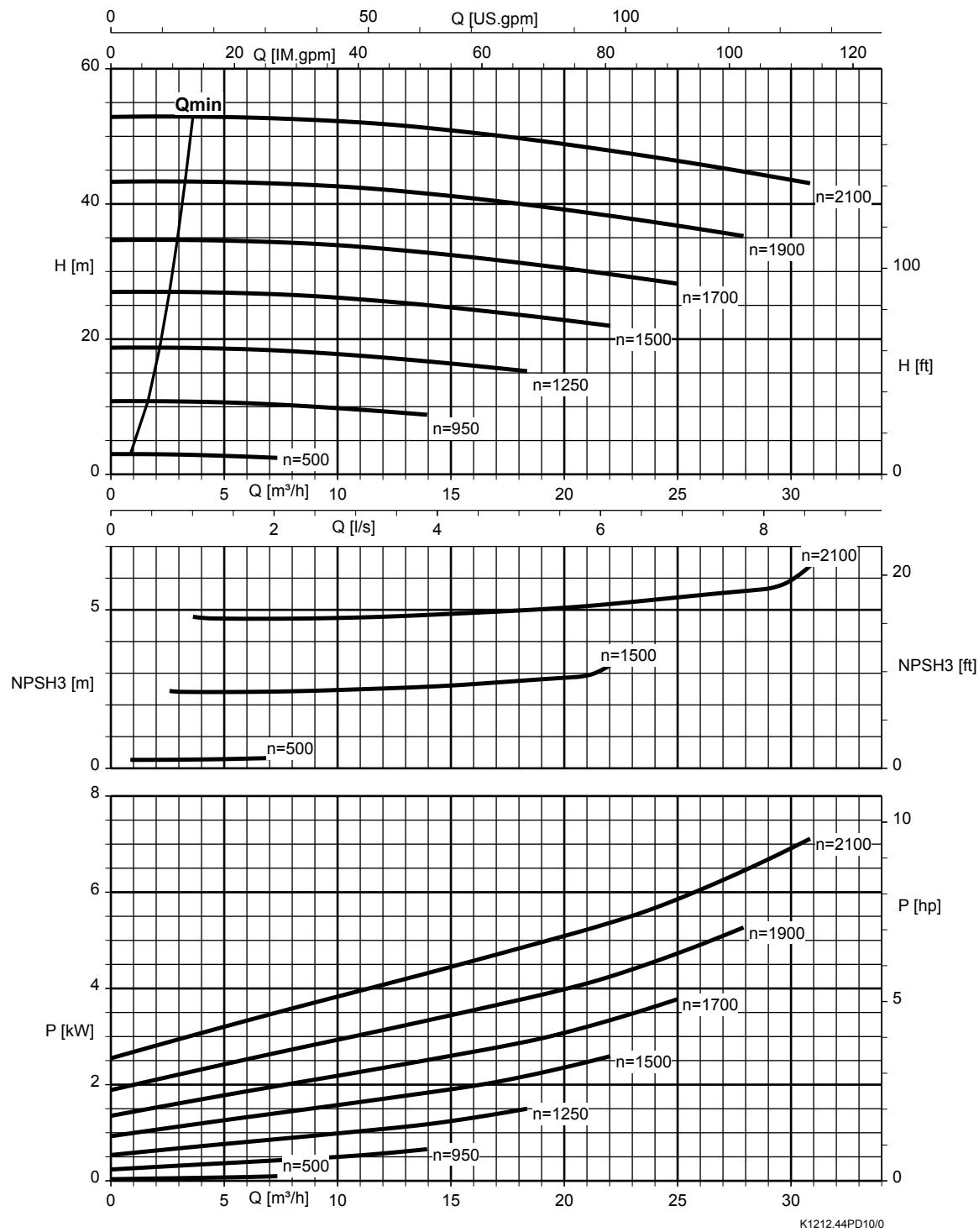
Impeller diameter: 166 mm

**Etachrom L, Etachrom B, 050-032-200, up to 2100 rpm**


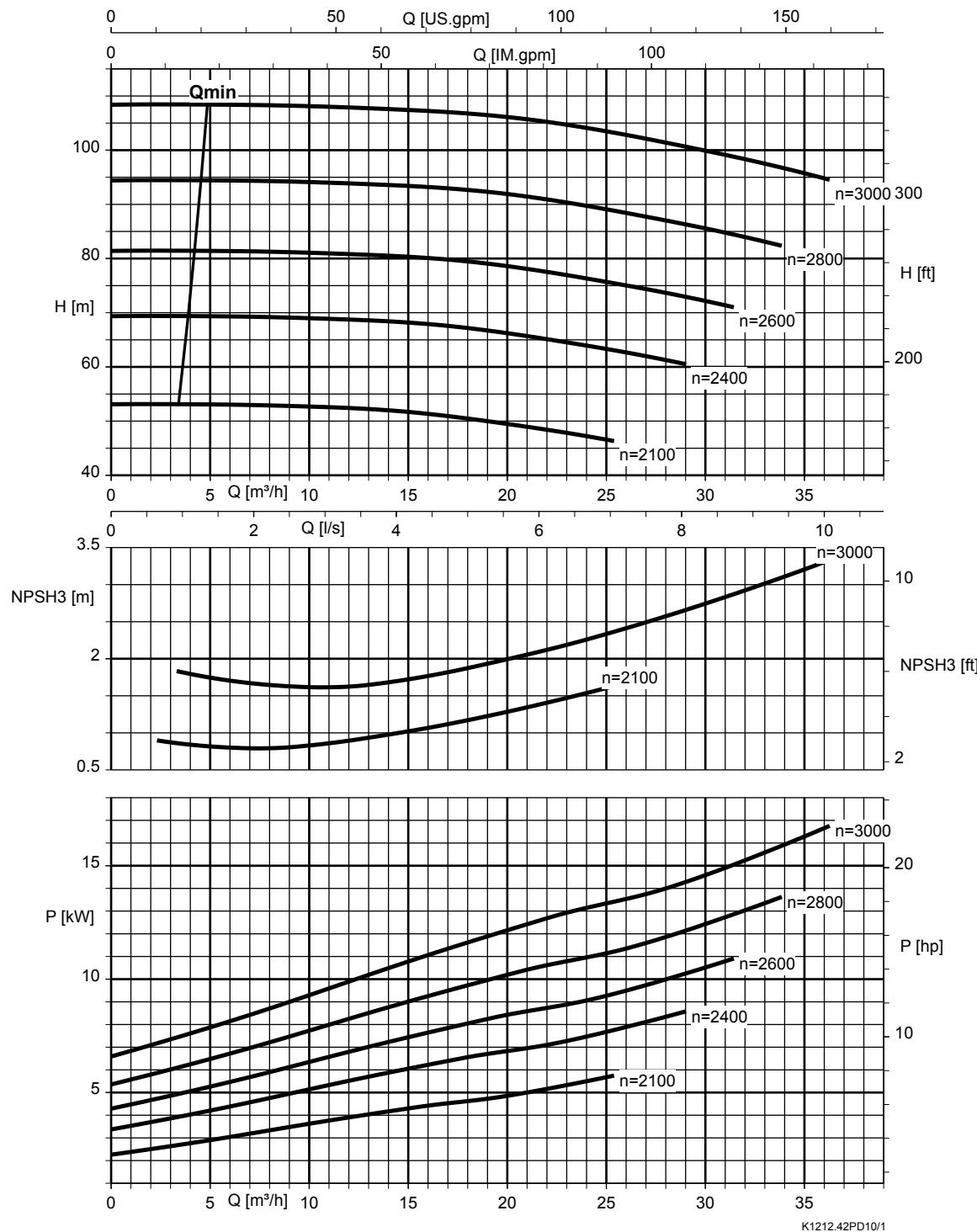
Impeller diameter: 166 mm

**Etachrom L, Etachrom B, 050-032-200, from 2100 rpm**


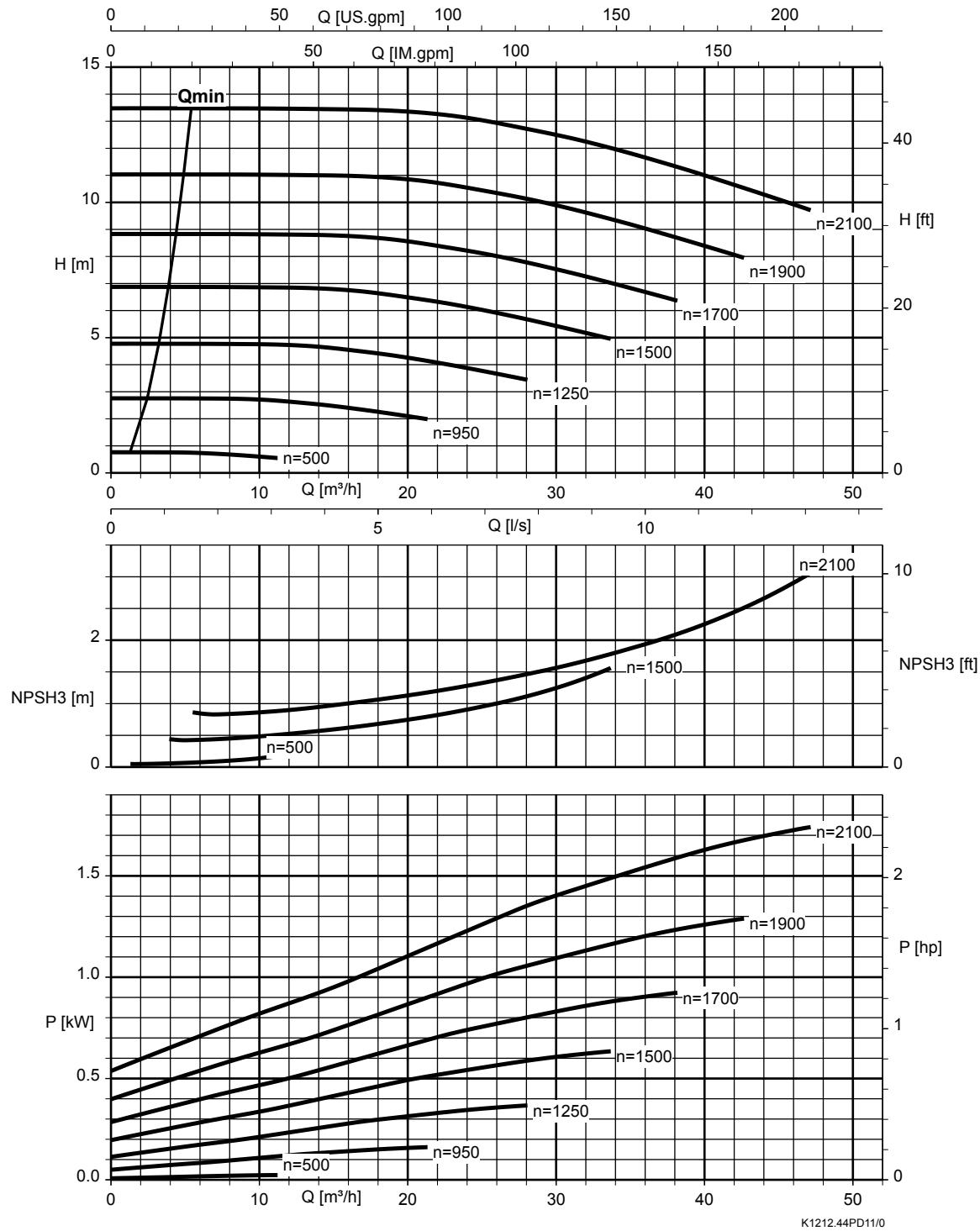
Impeller diameter: 196 mm

**Etachrom L, Etachrom B, 050-032-250, up to 2100 rpm**


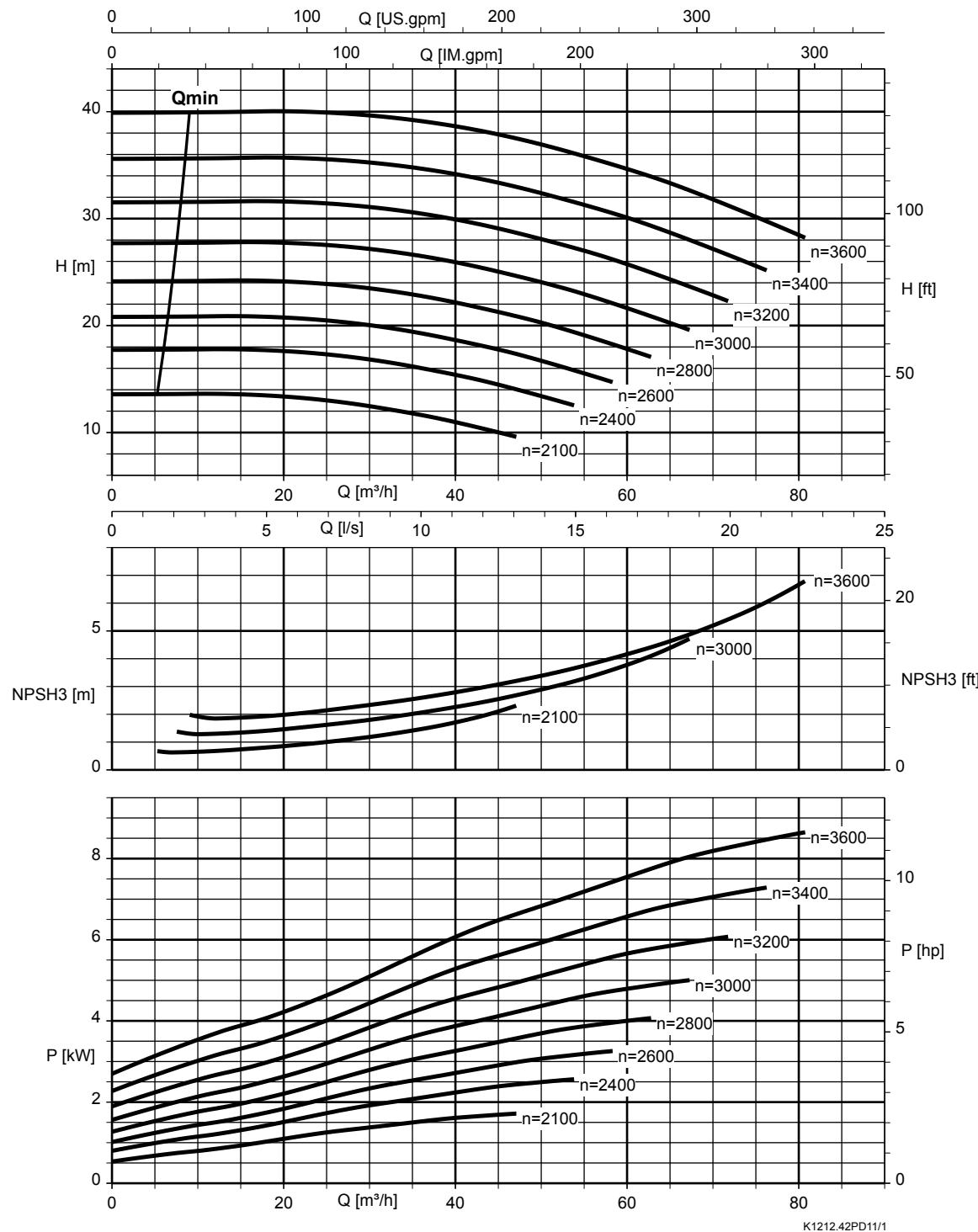
Impeller diameter: 260 mm

**Etachrom L, Etachrom B, 050-032-250, from 2100 rpm**


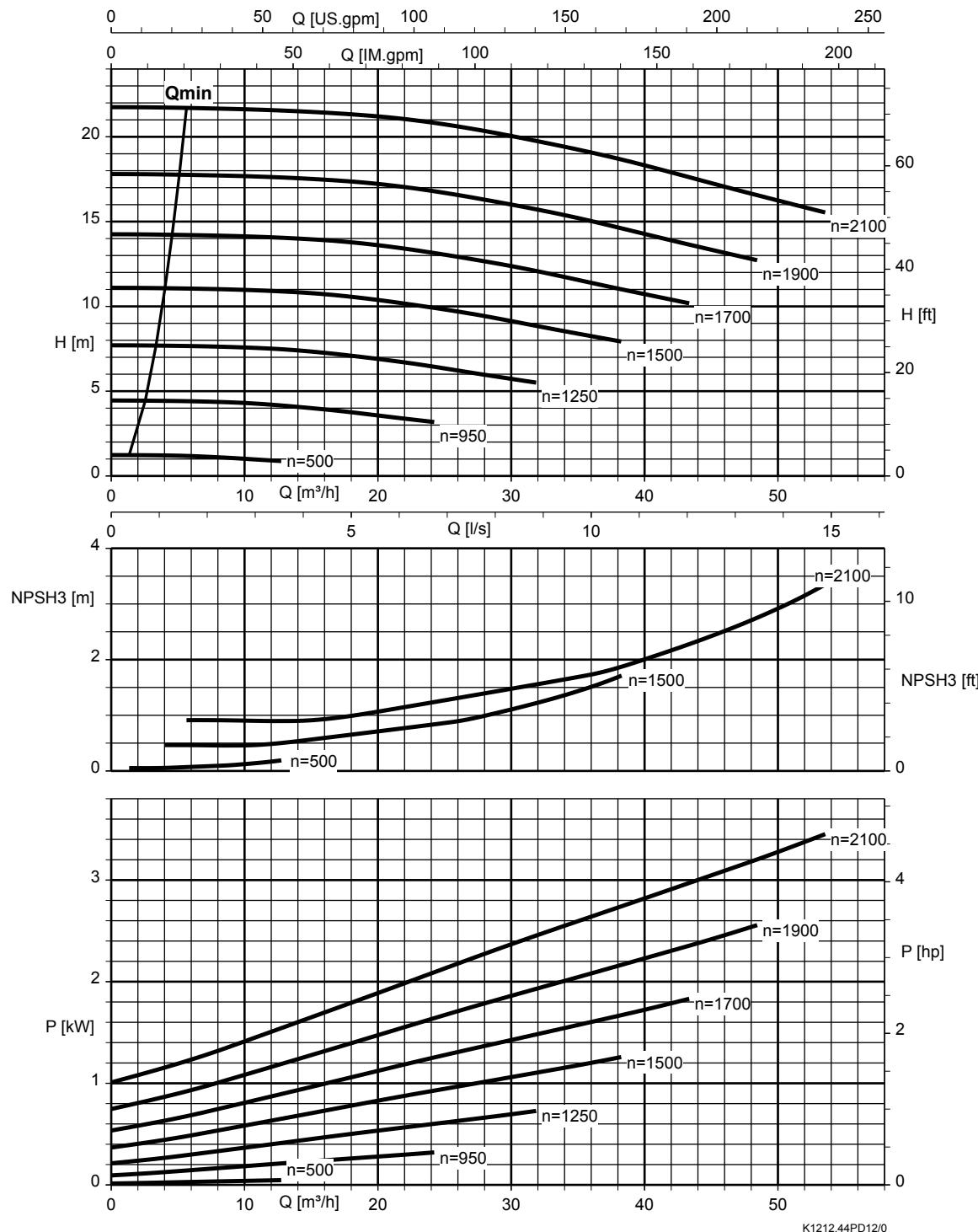
Impeller diameter: 260 mm

**Etachrom L, Etachrom B, 065-040-125, up to 2100 rpm**


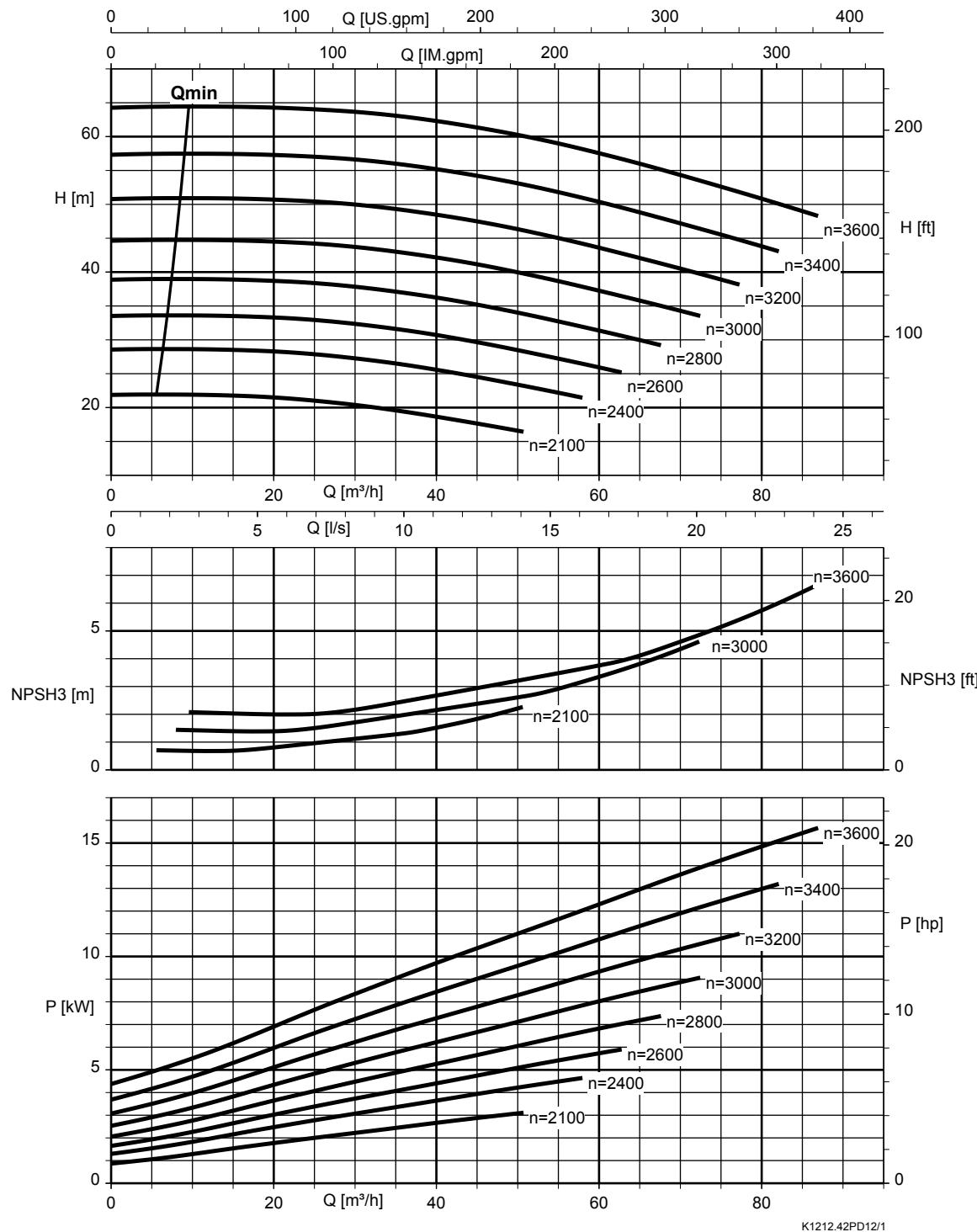
Impeller diameter: 136 mm

**Etachrom L, Etachrom B, 065-040-125, from 2100 rpm**


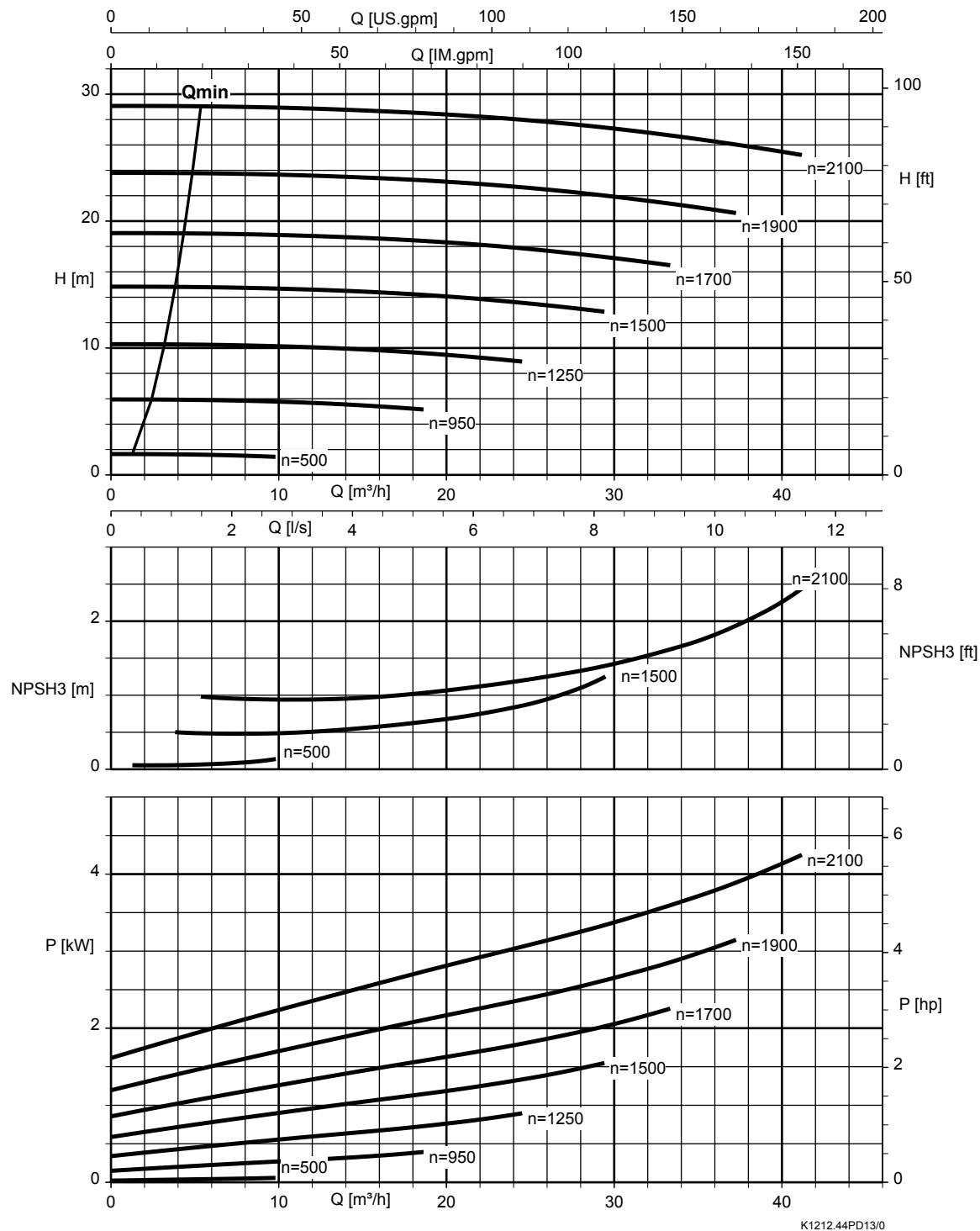
Impeller diameter: 136 mm

**Etachrom L, Etachrom B, 065-040-160, up to 2100 rpm**


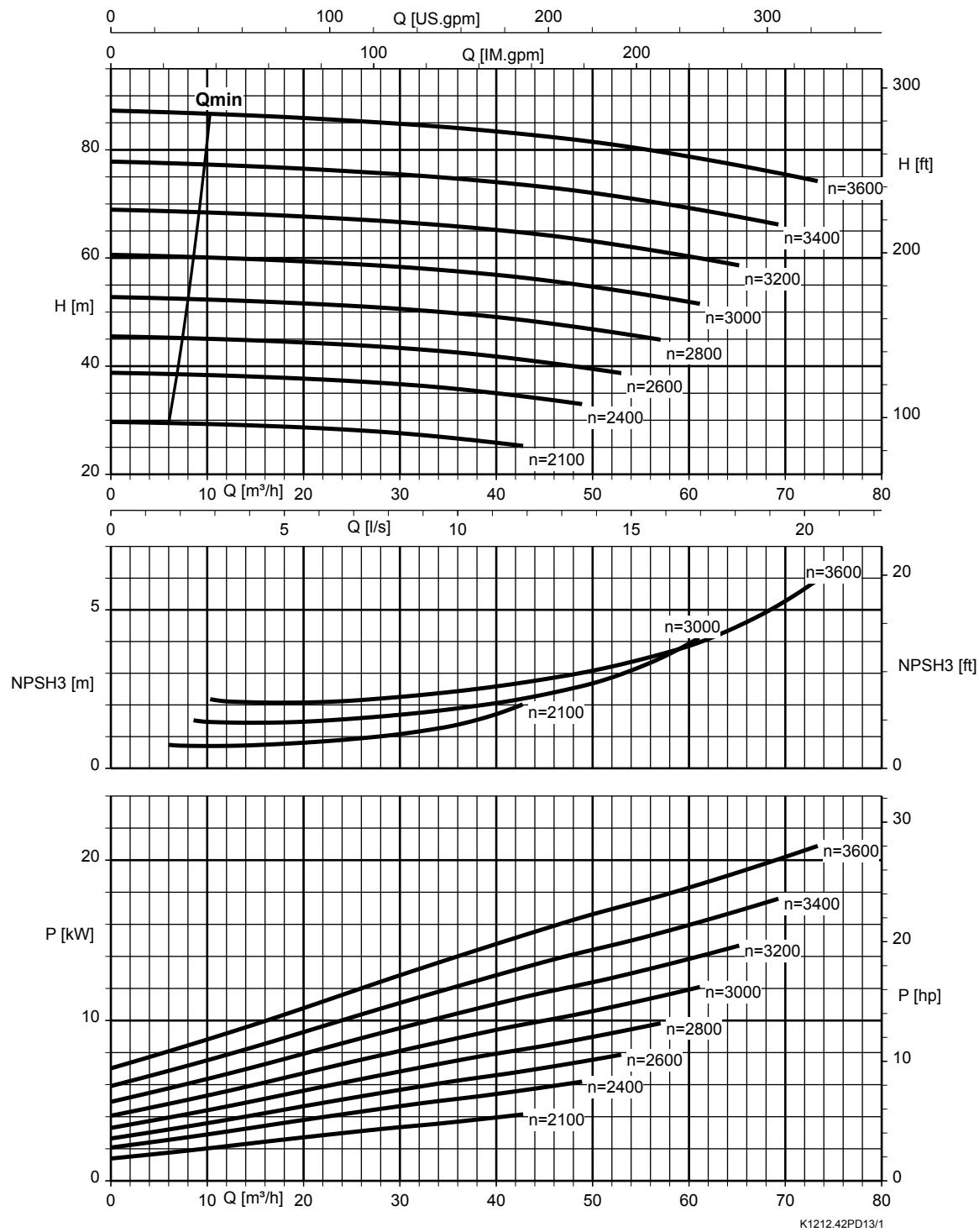
Impeller diameter: 166 mm

**Etachrom L, Etachrom B, 065-040-160, from 2100 rpm**


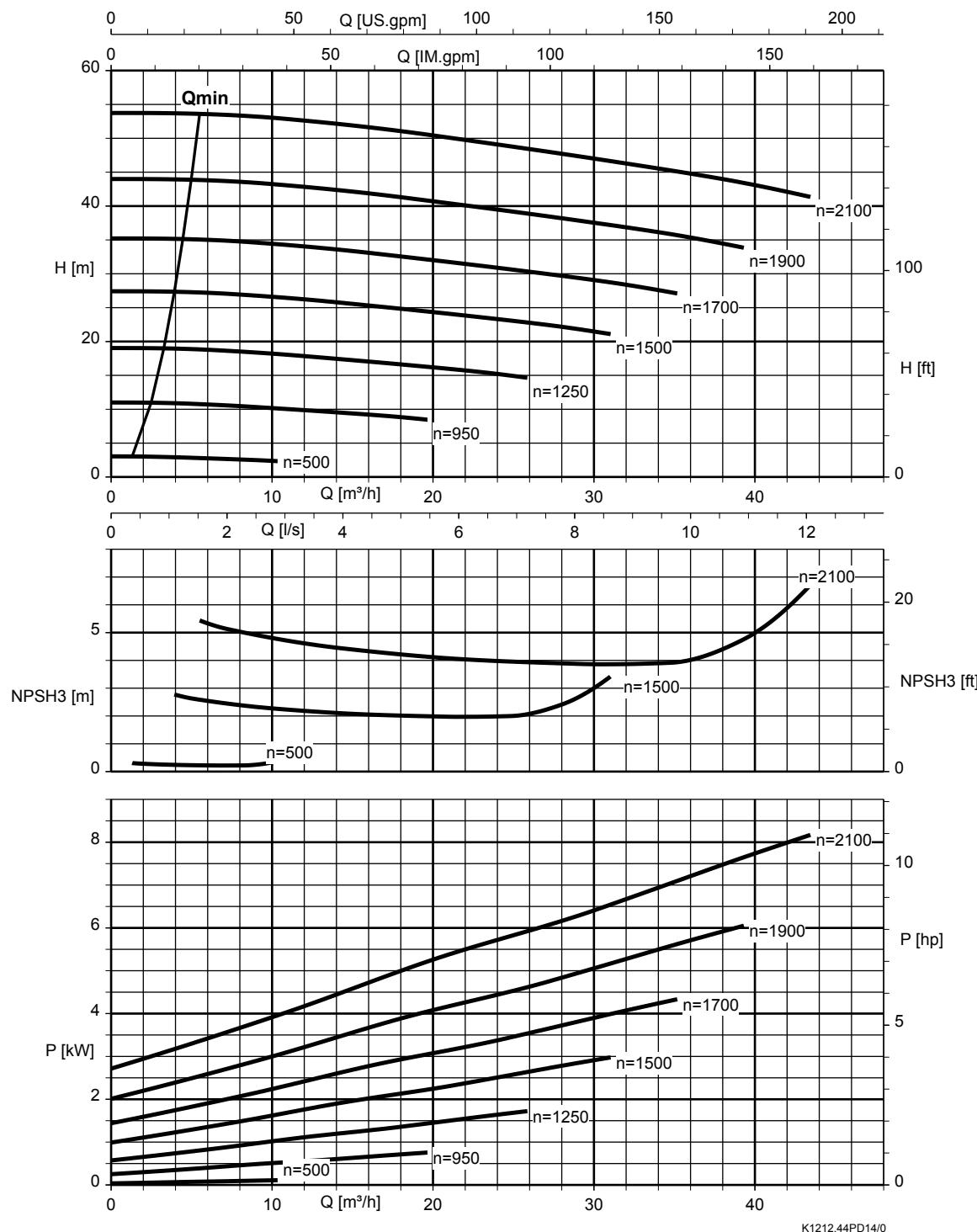
Impeller diameter: 166 mm

**Etachrom L, Etachrom B, 065-040-200, up to 2100 rpm**


Impeller diameter: 196 mm

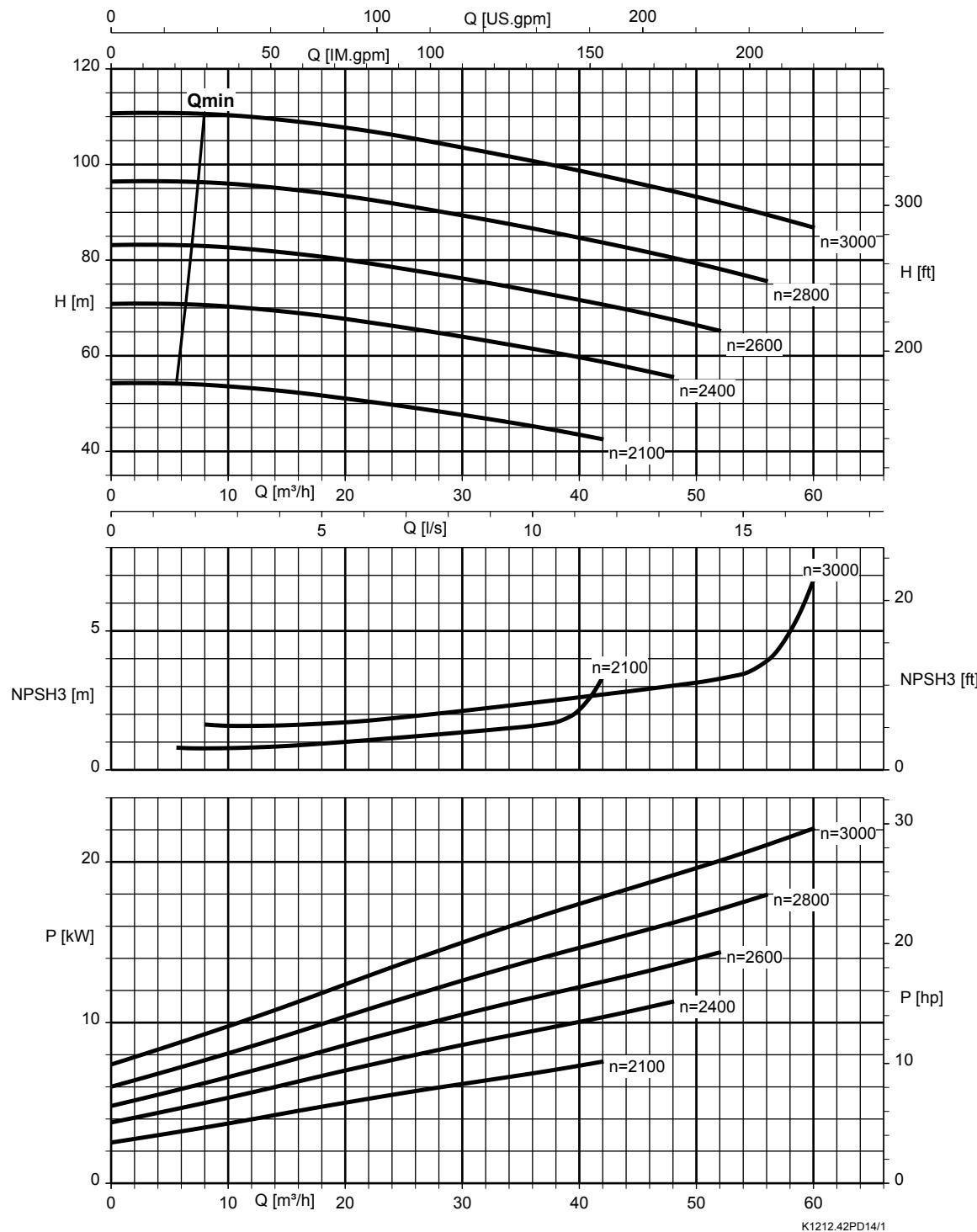
**Etachrom L, Etachrom B, 065-040-200, from 2100 rpm**


Impeller diameter: 196 mm

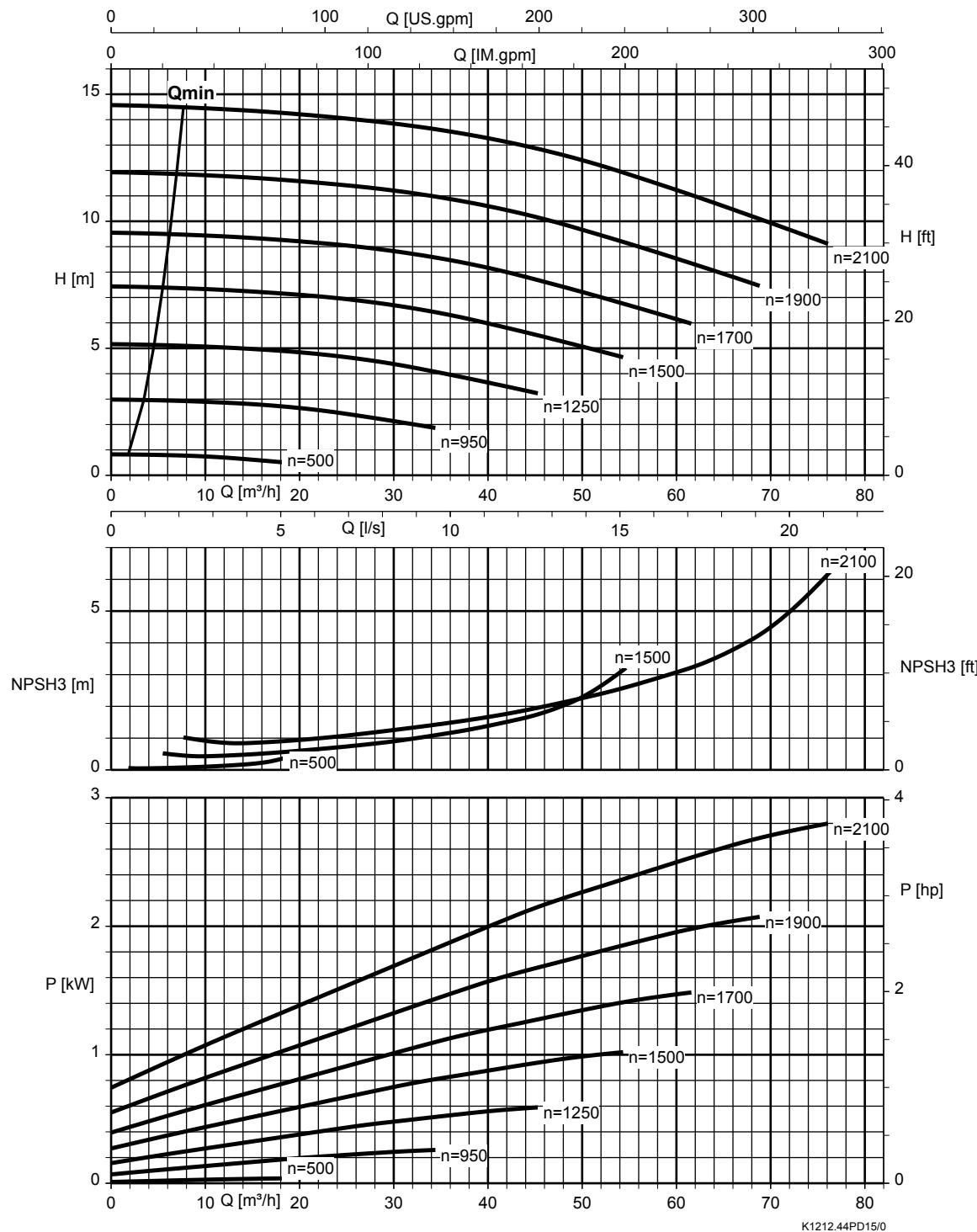
**Etachrom L, Etachrom B, 065-040-250, up to 2100 rpm**


K1212.44PD14/0

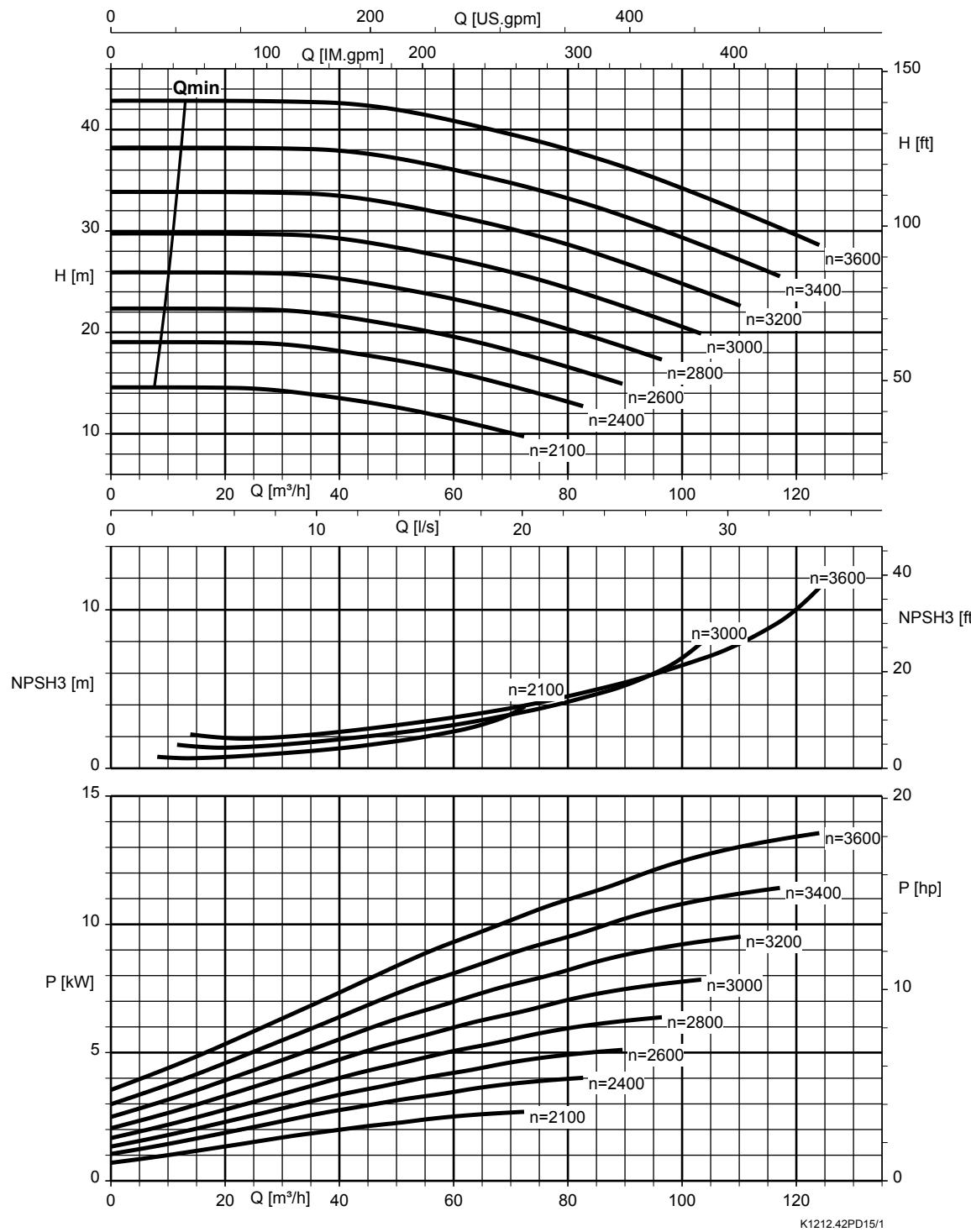
Impeller diameter: 260 mm

**Etachrom L, Etachrom B, 065-040-250, from 2100 rpm**


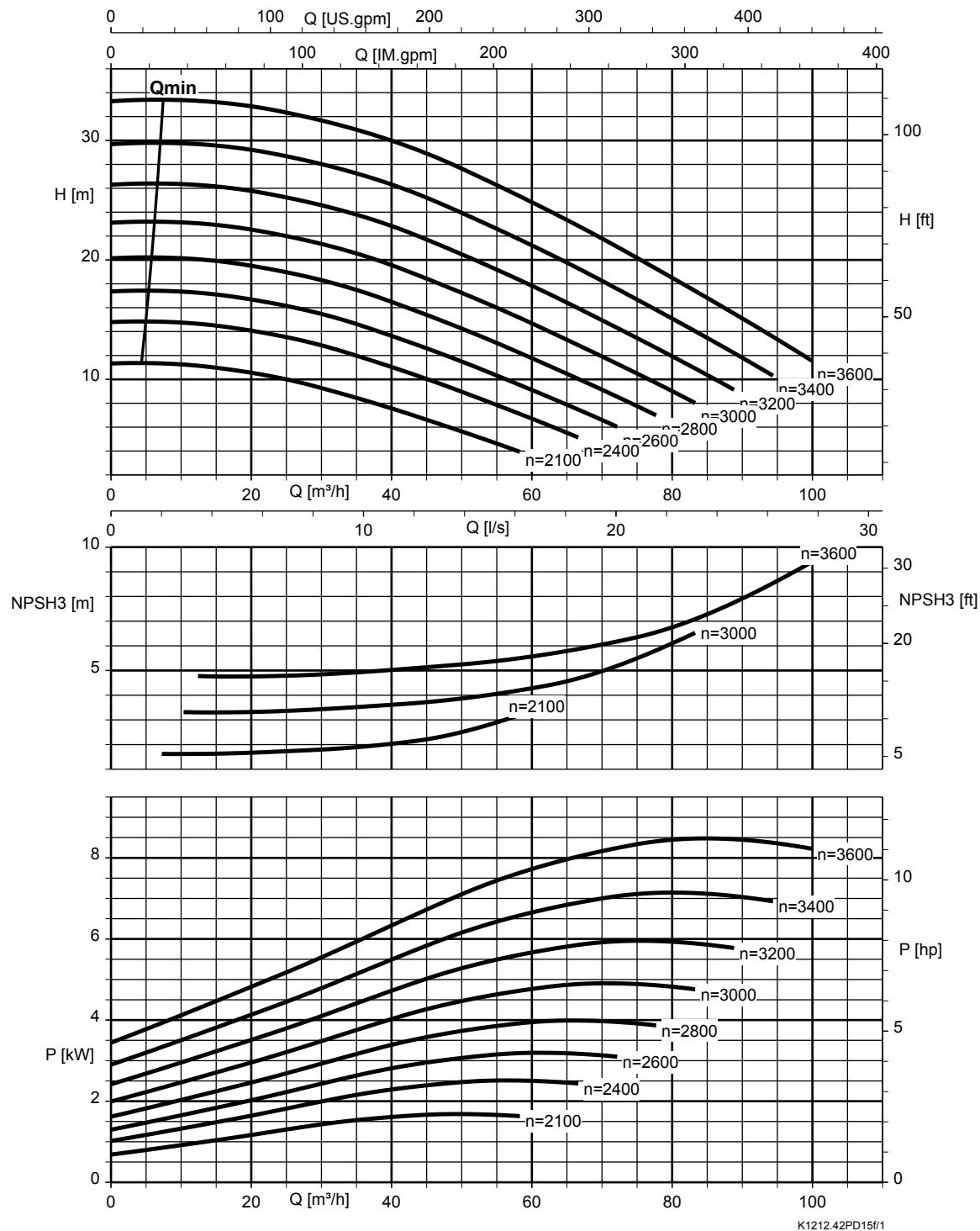
Impeller diameter: 260 mm

**Etachrom L, Etachrom B, 065-050-125, up to 2100 rpm**


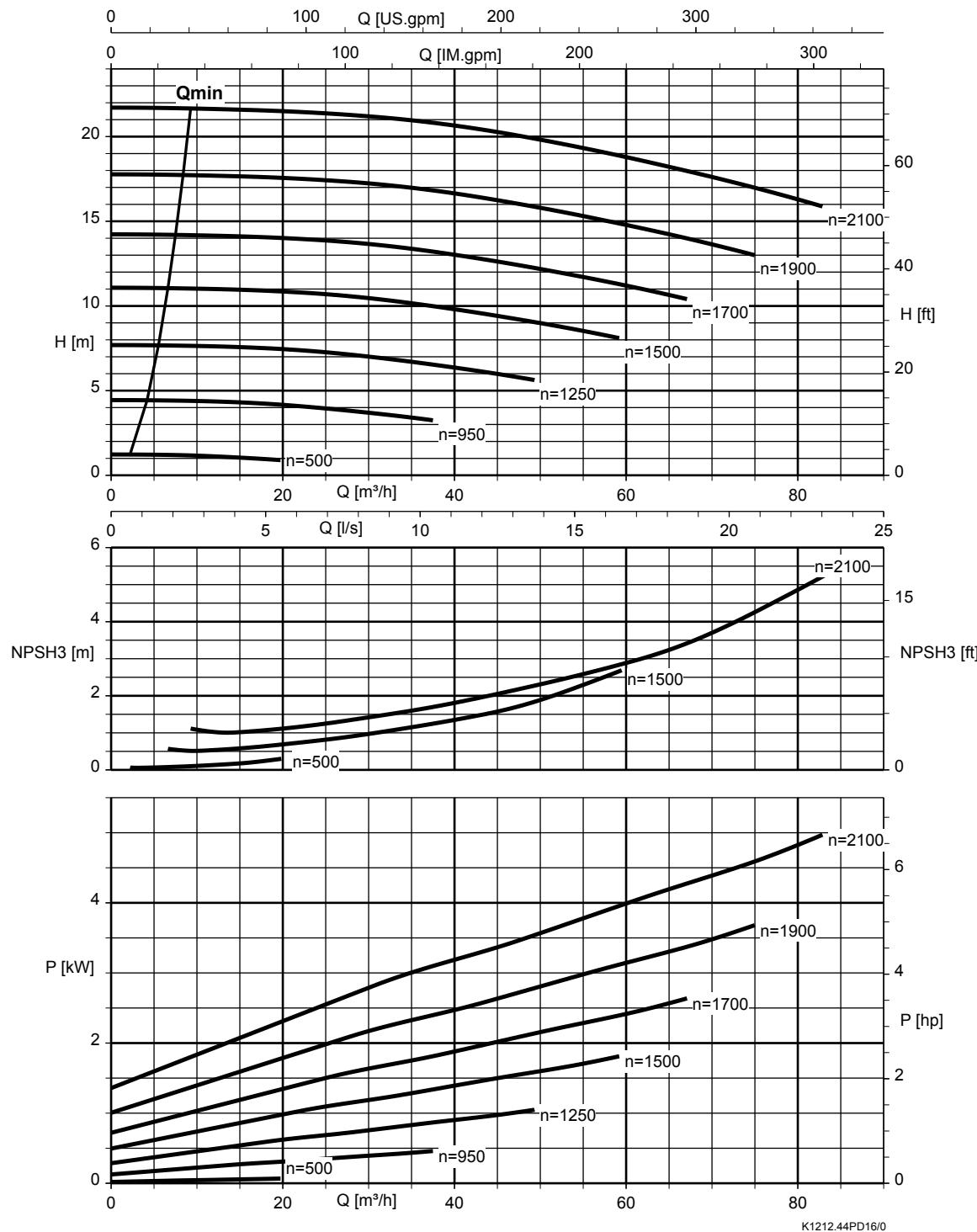
Impeller diameter: 142 mm

**Etachrom L, Etachrom B, 065-050-125, from 2100 rpm**


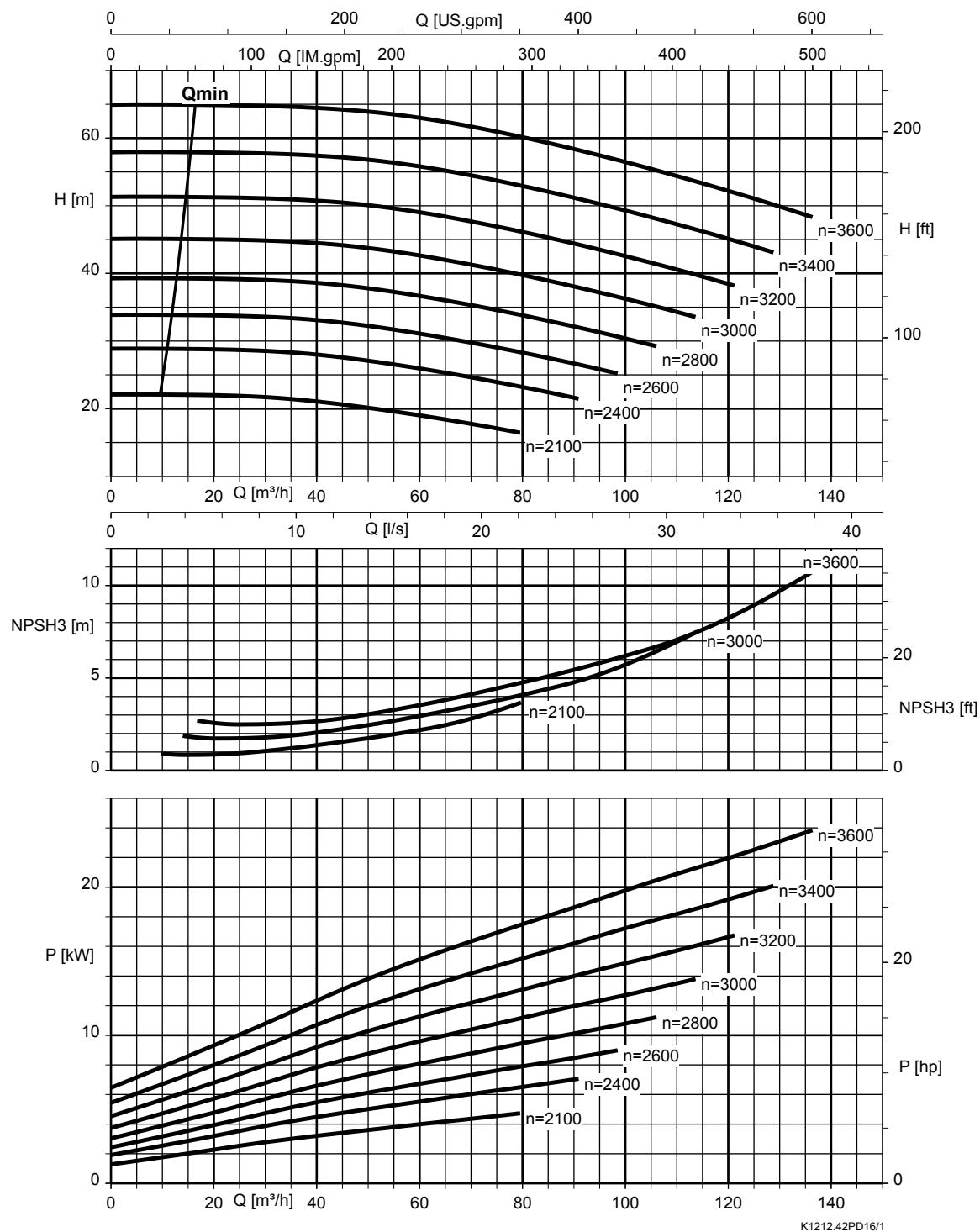
Impeller diameter: 142 mm

**Etachrom B, 065-050-125f, from 2100 rpm**


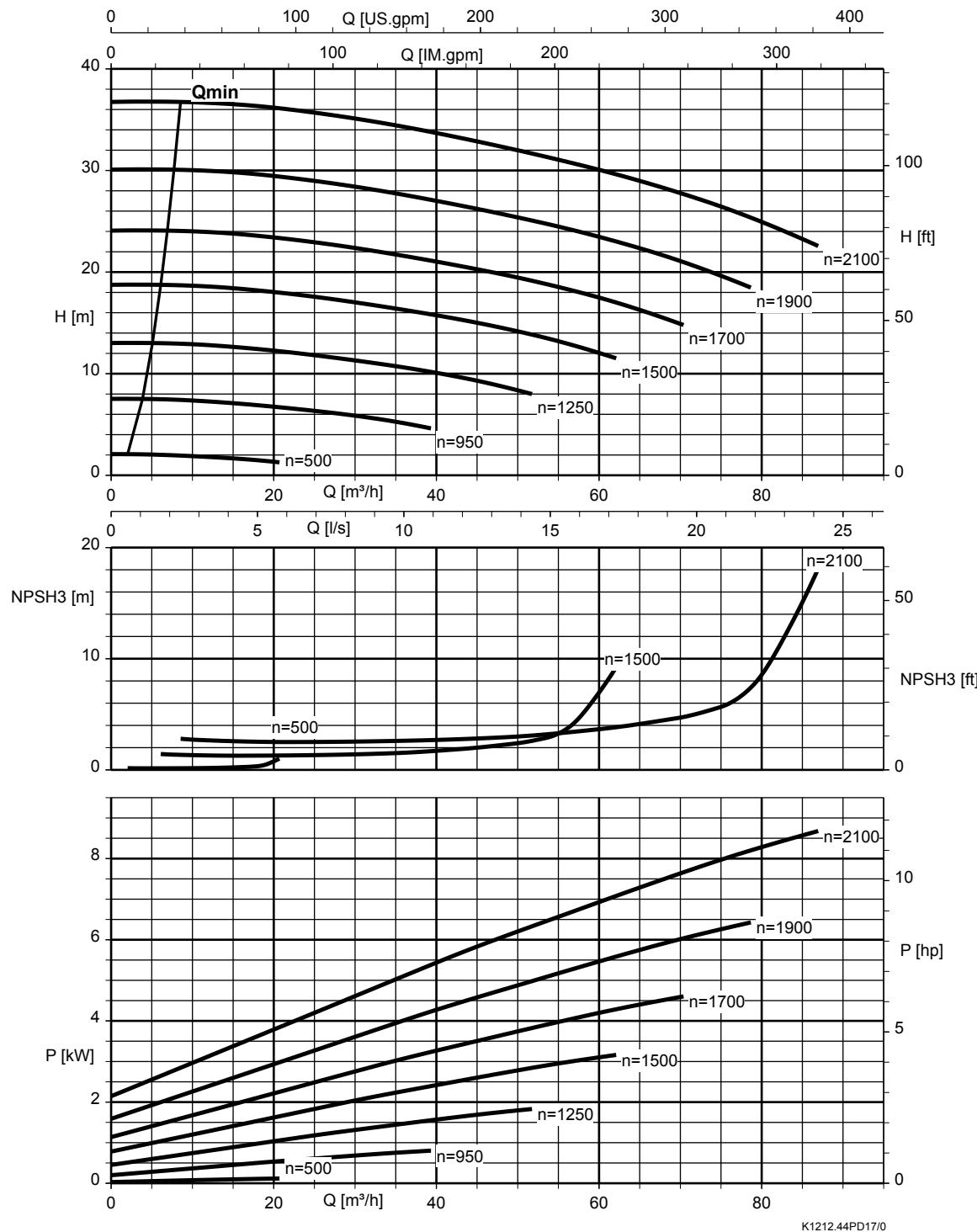
Impeller diameter: 143 mm

**Etachrom L, Etachrom B, 065-050-160, up to 2100 rpm**


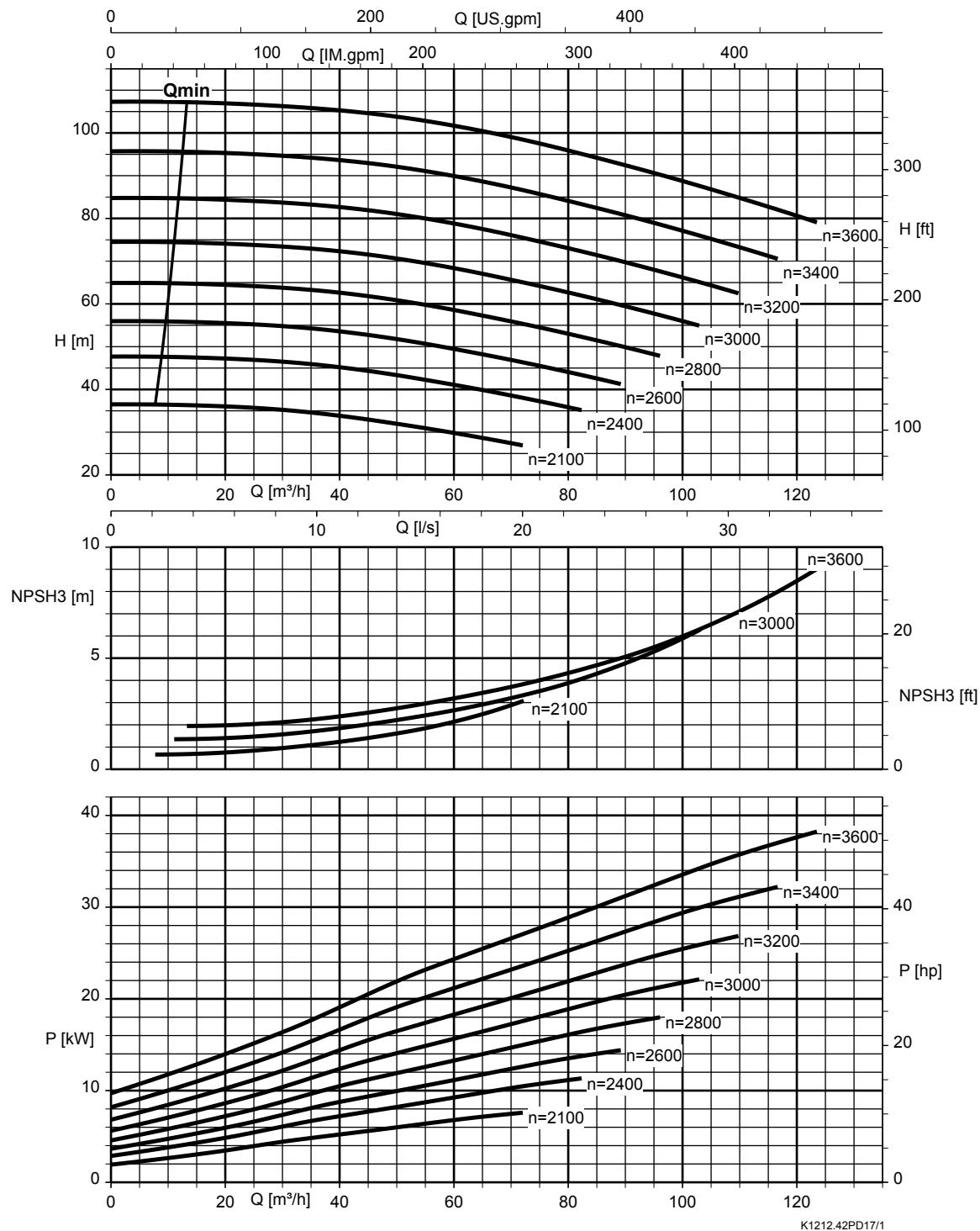
Impeller diameter: 170 mm

**Etachrom L, Etachrom B, 065-050-160, from 2100 rpm**


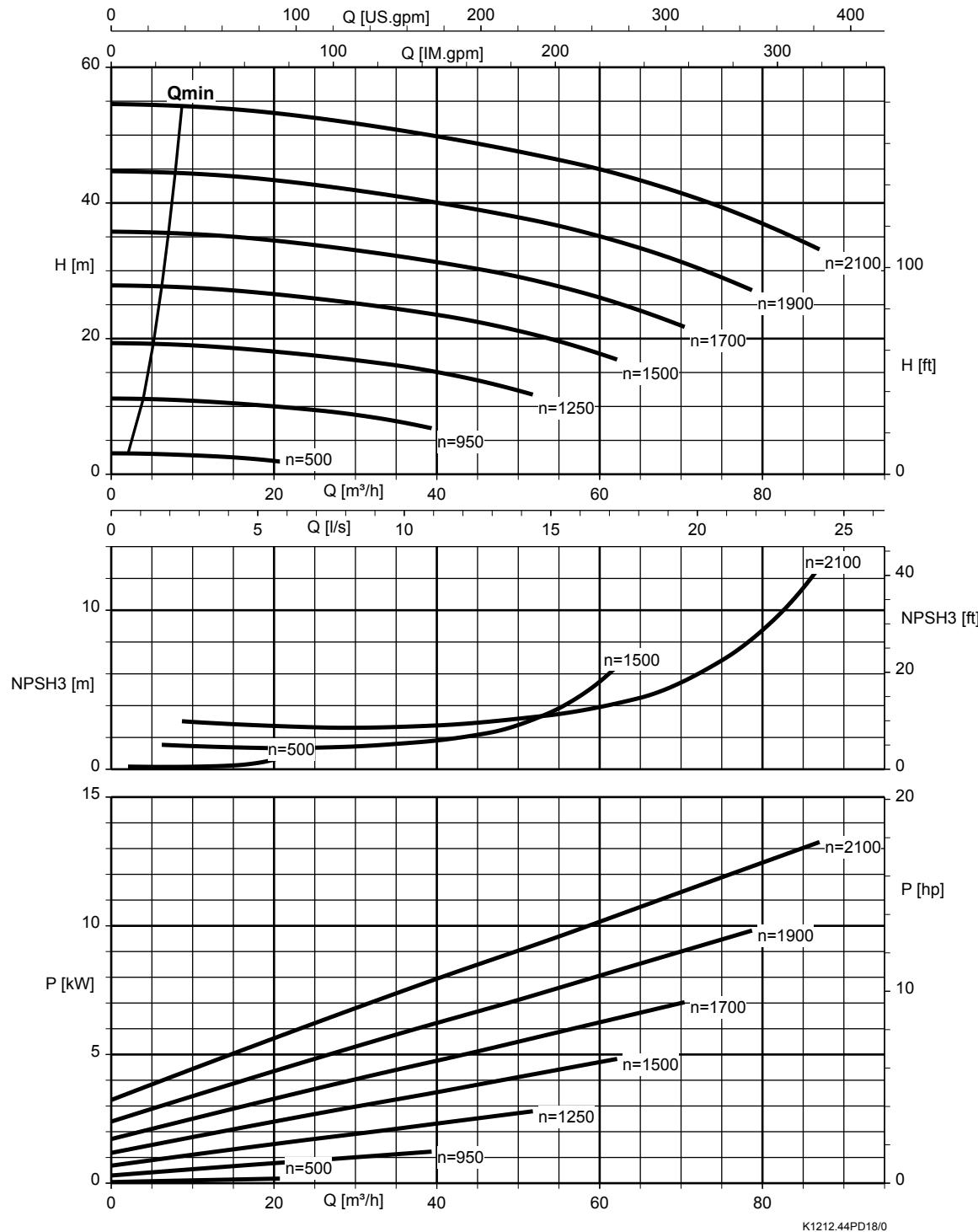
Impeller diameter: 170 mm

**Etachrom L, Etachrom B, 065-050-200, up to 2100 rpm**


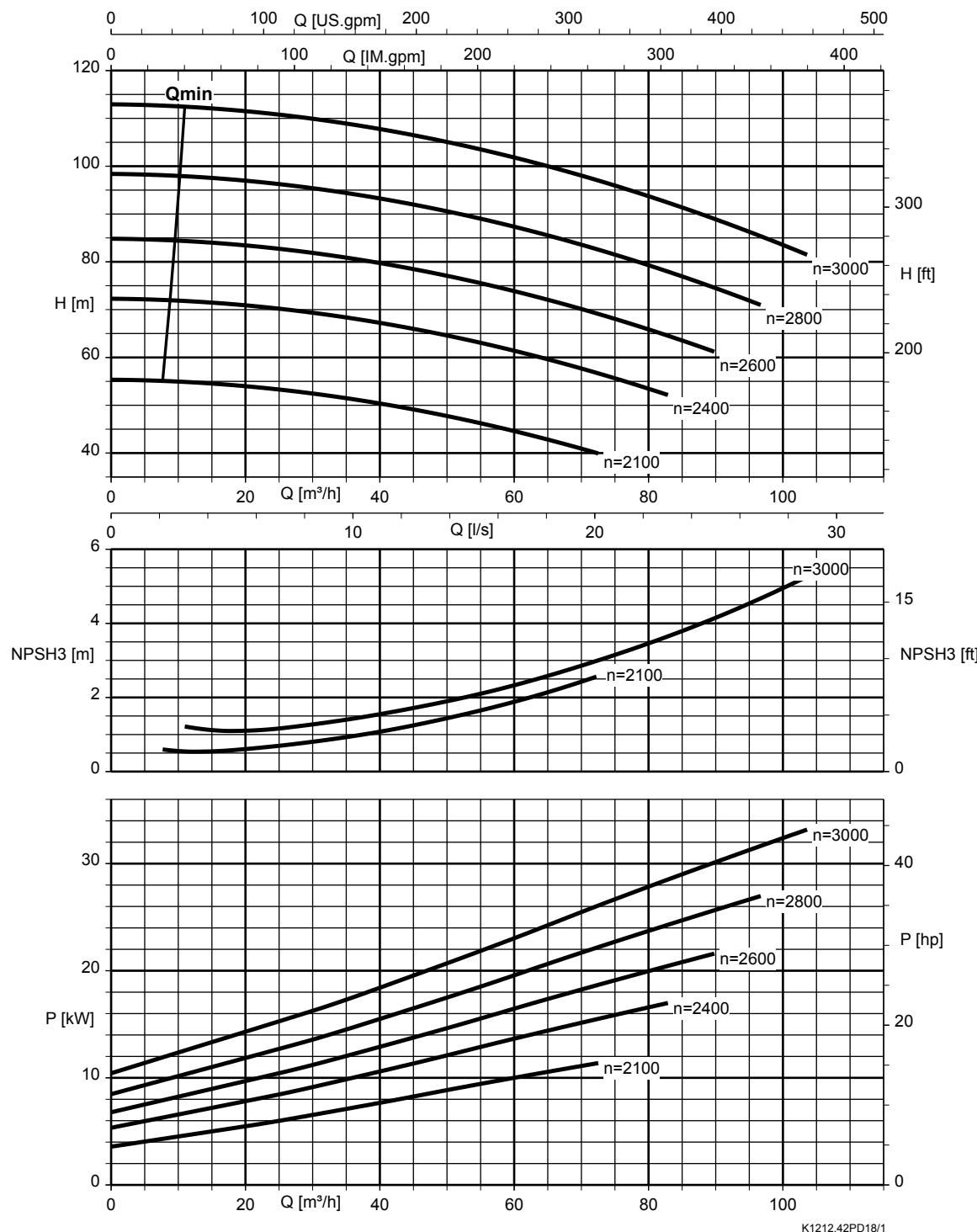
Impeller diameter: 220 mm

**Etachrom L, Etachrom B, 065-050-200, from 2100 rpm**


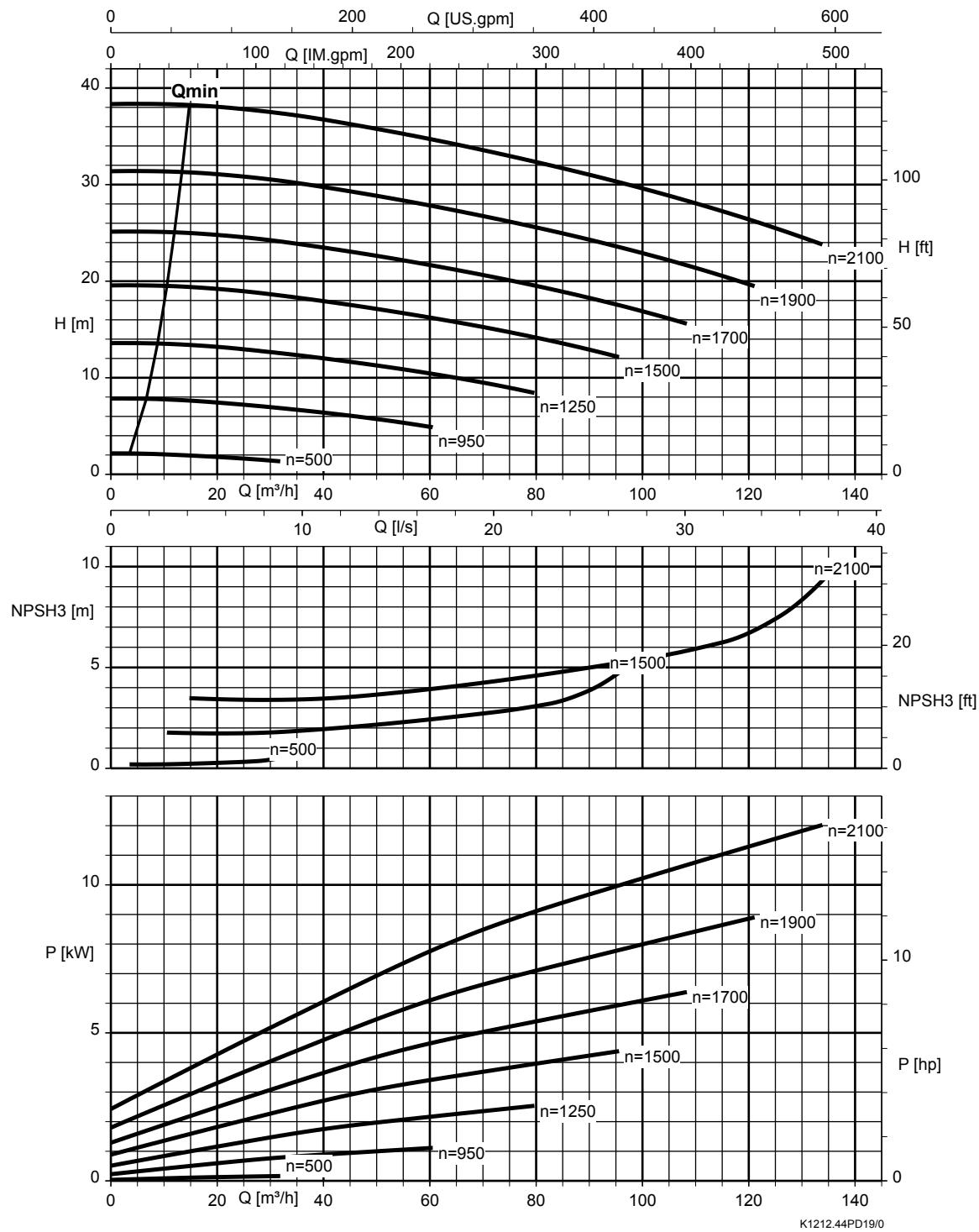
Impeller diameter: 220 mm

**Etachrom L, Etachrom B, 065-050-250, up to 2100 rpm**


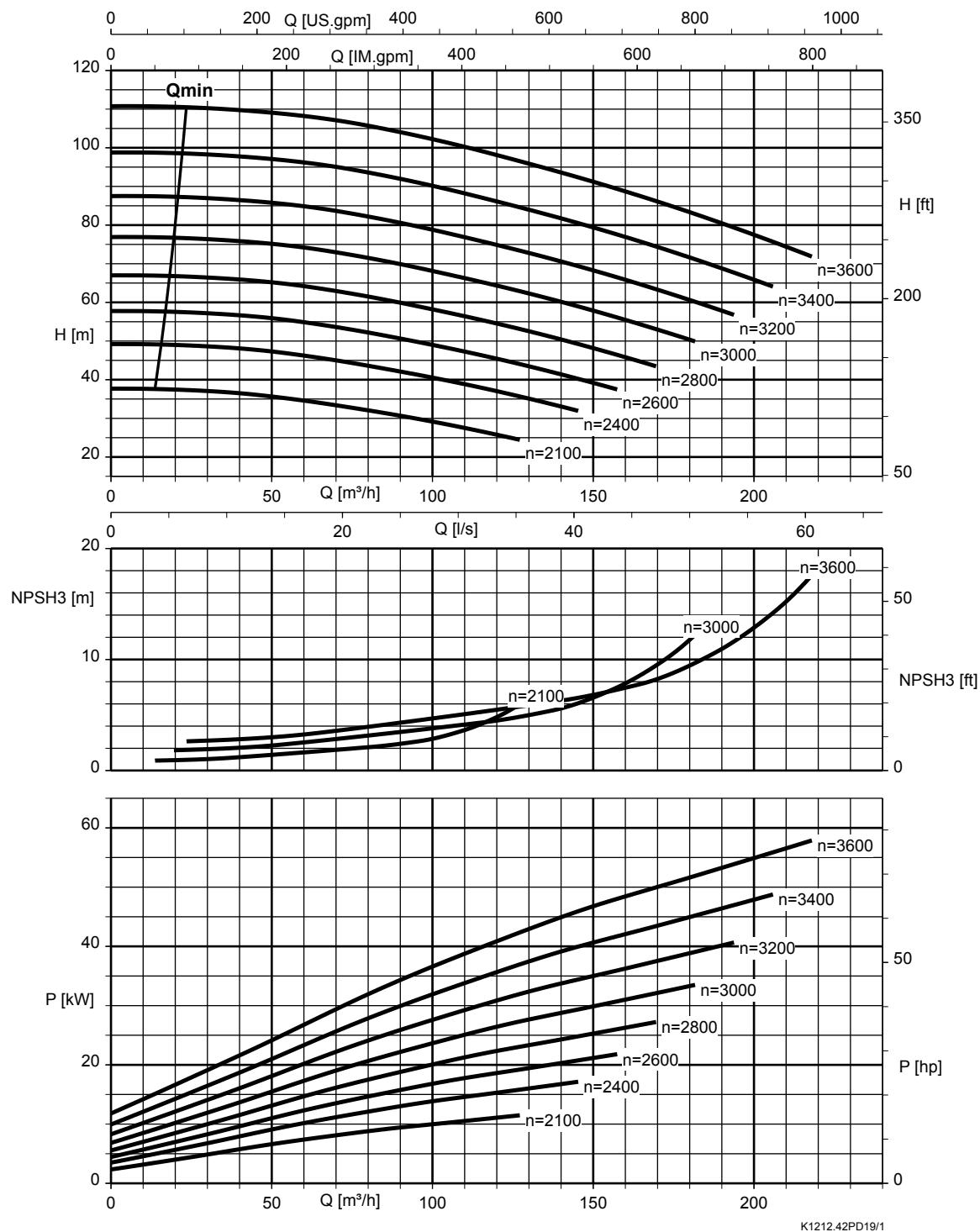
Impeller diameter: 260 mm

**Etachrom L, Etachrom B, 065-050-250, from 2100 rpm**


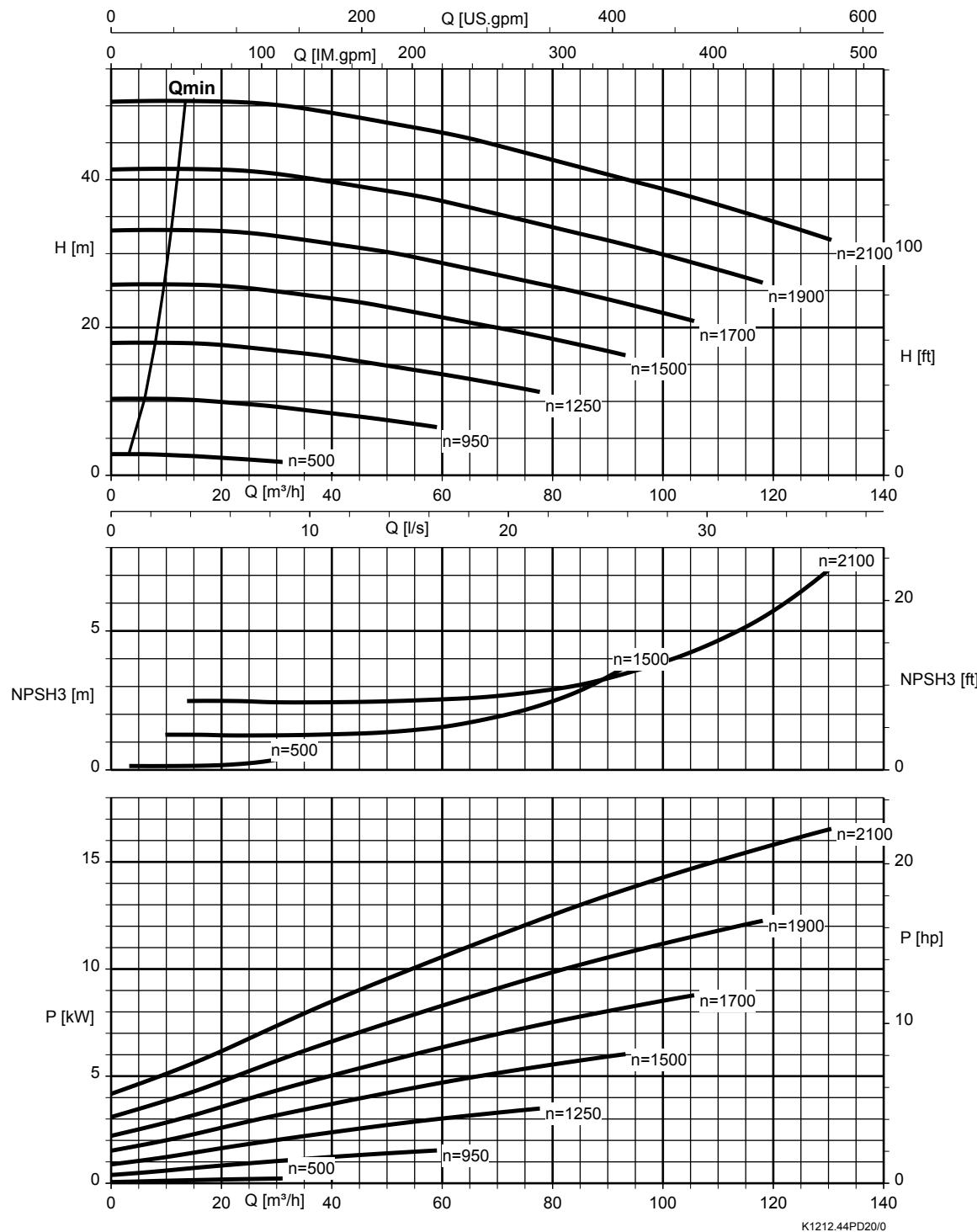
Impeller diameter: 260 mm

**Etachrom L, Etachrom B, 085-065-200, up to 2100 rpm**


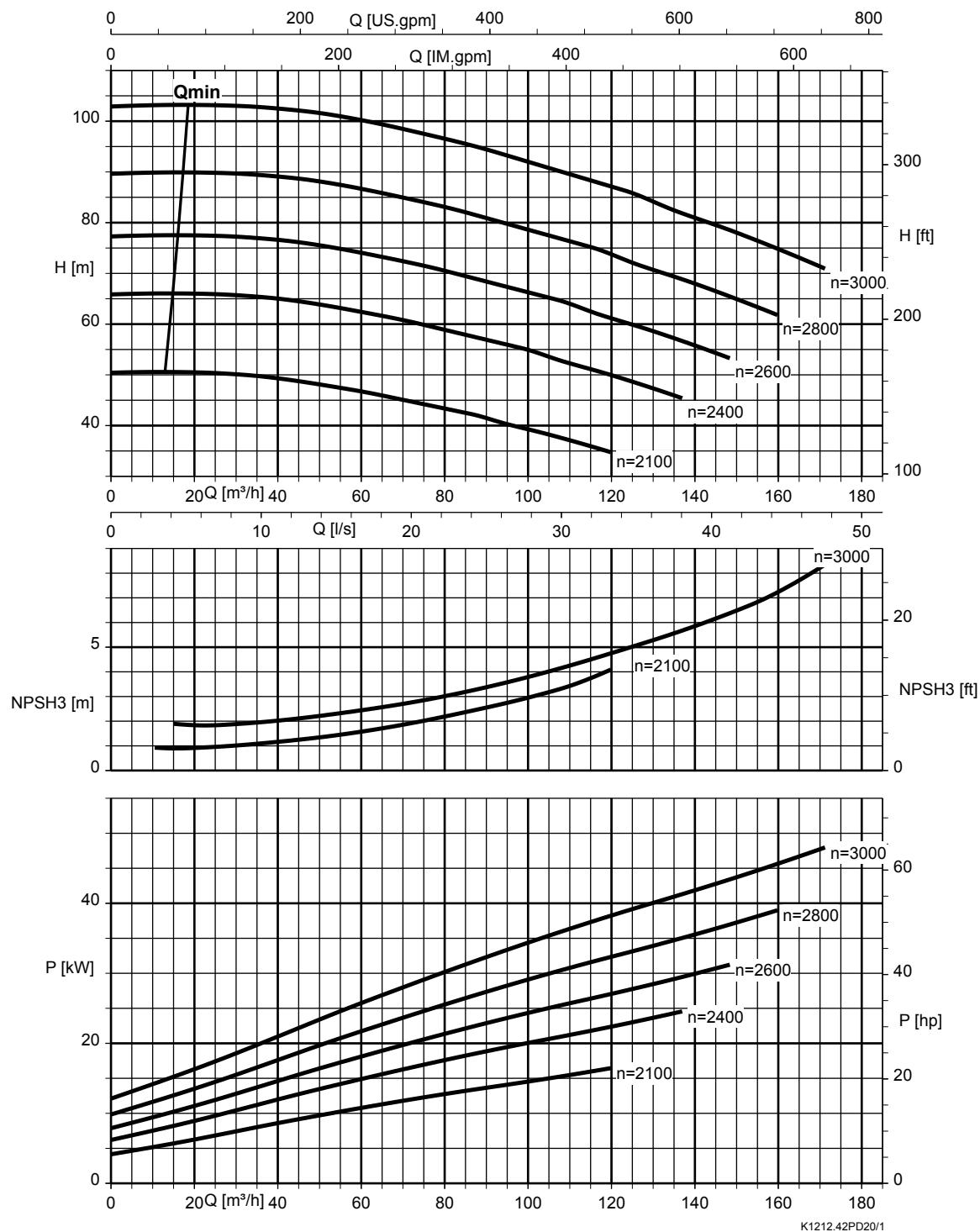
Impeller diameter: 219 mm

**Etachrom L, Etachrom B, 080-065-200, from 2100 rpm**


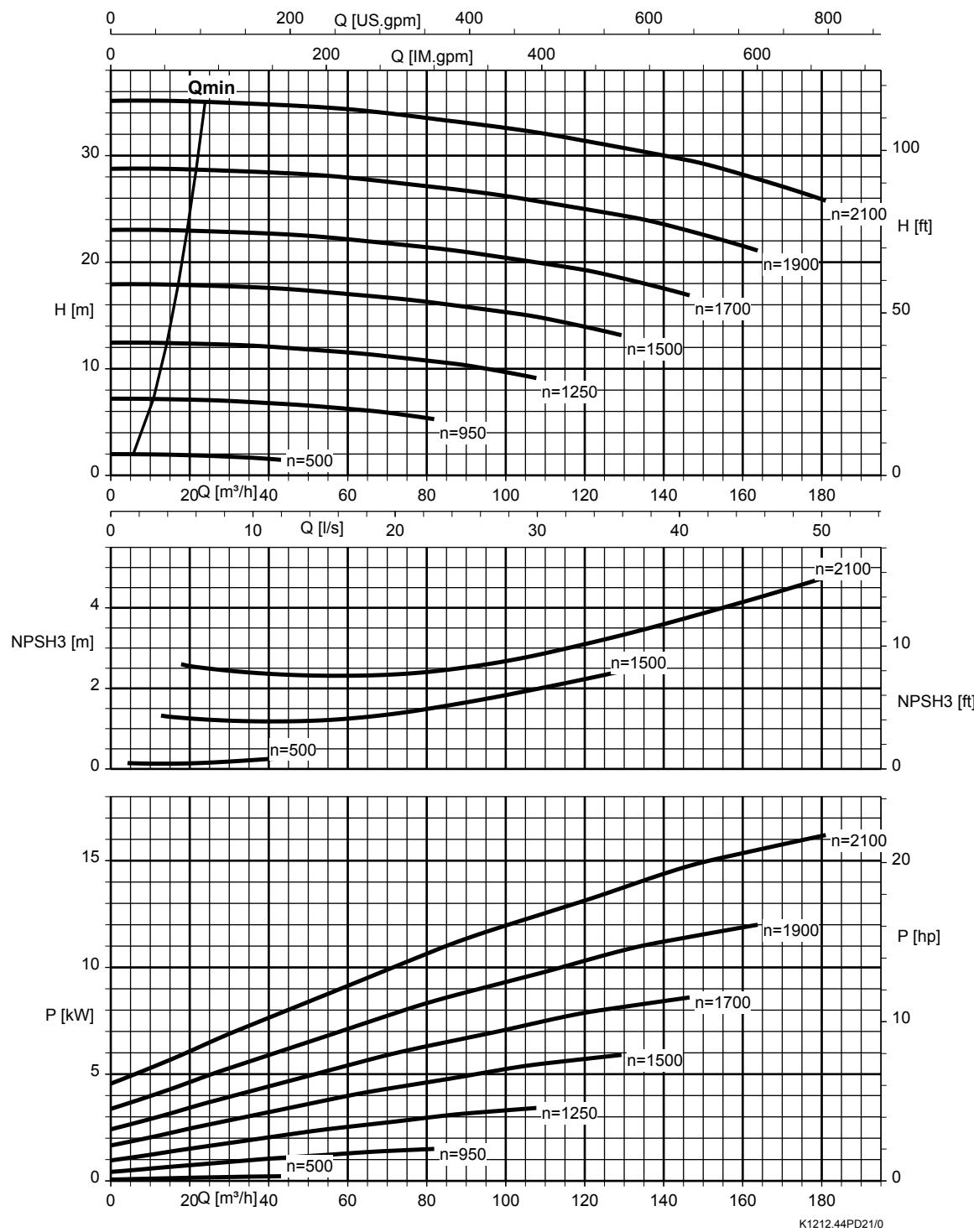
Impeller diameter: 219 mm

**Etachrom L, Etachrom B, 085-065-250, up to 2100 rpm**


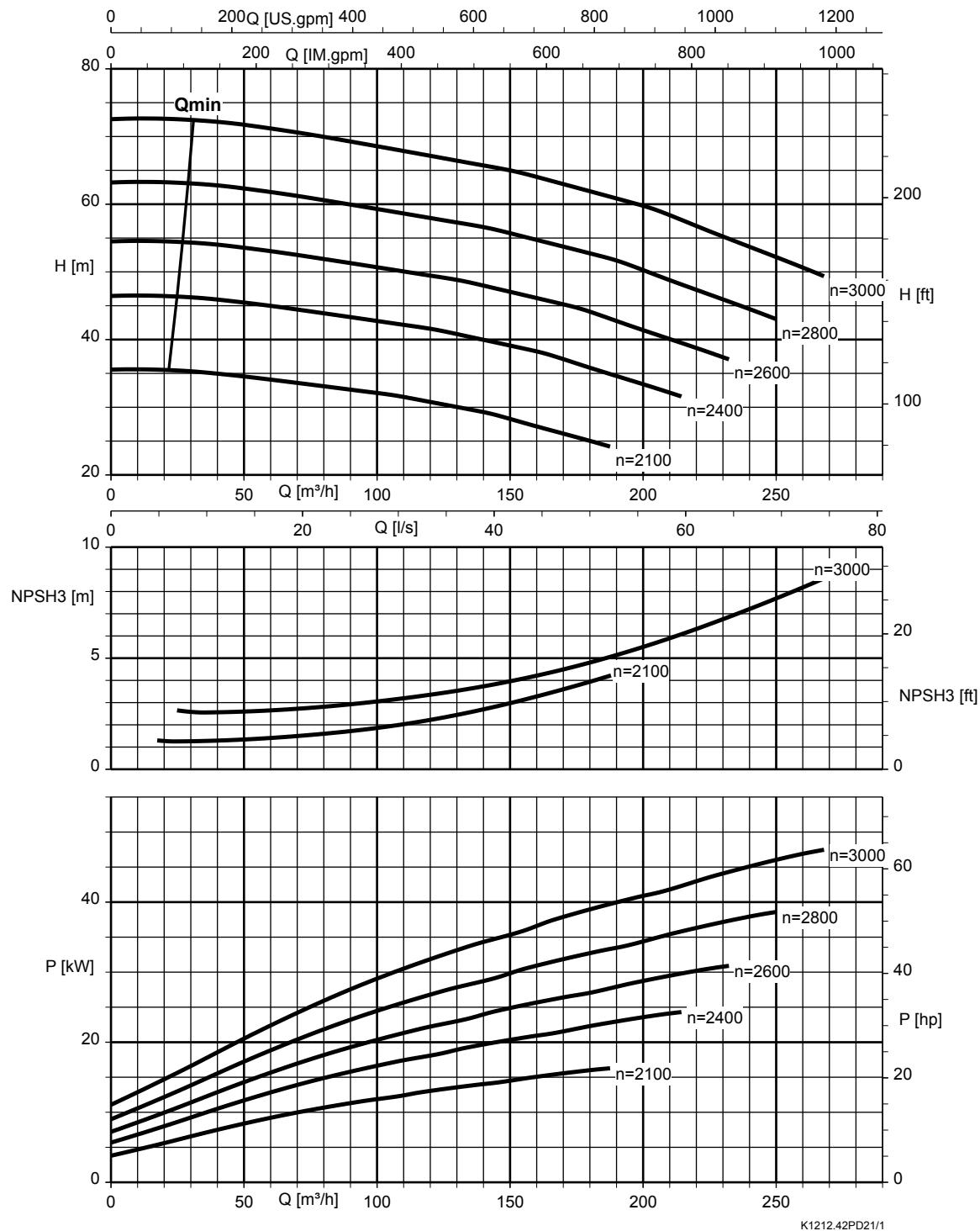
Impeller diameter: 255 mm

**Etachrom L, Etachrom B, 080-065-250, from 2100 rpm**


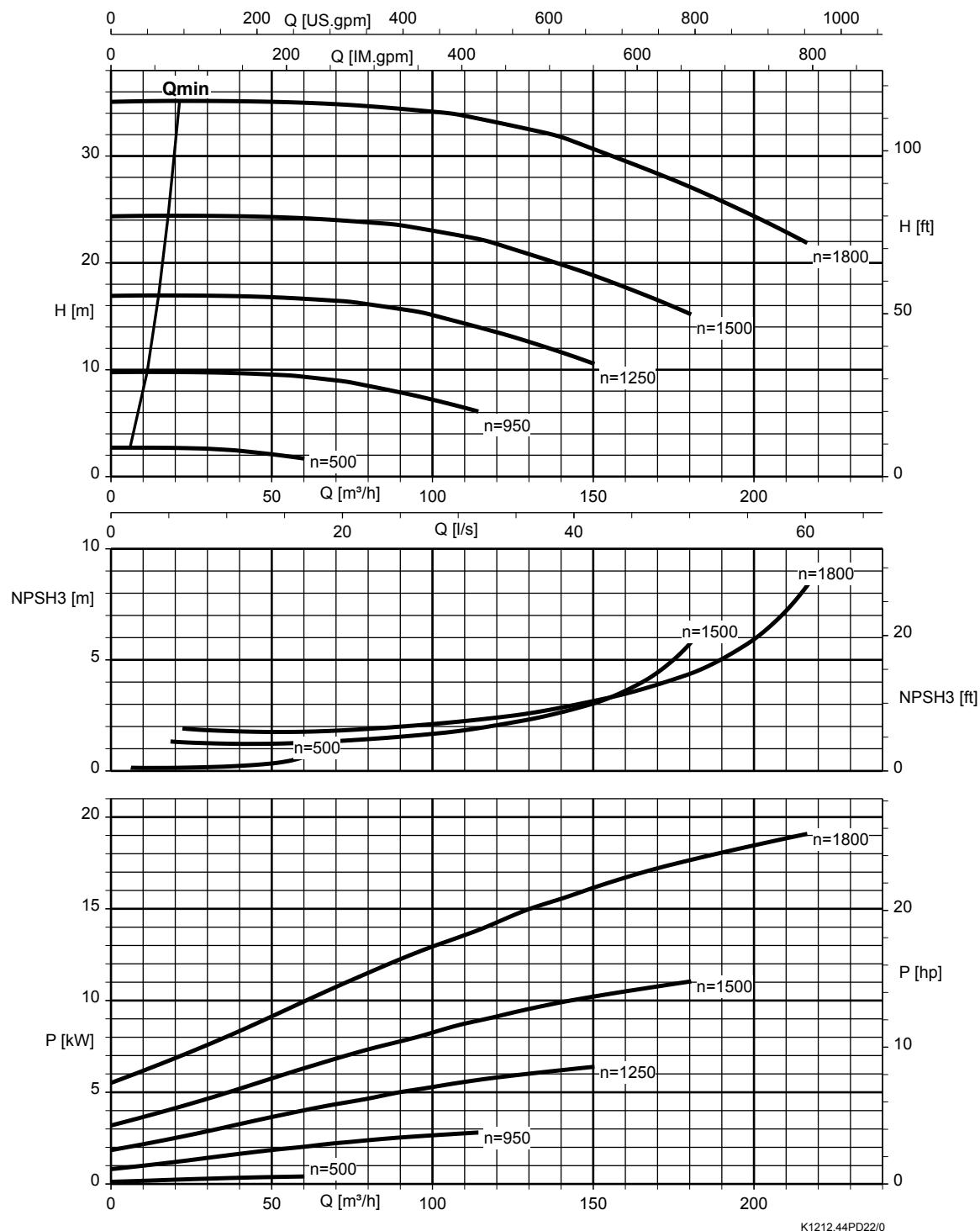
Impeller diameter: 255 mm

**Etachrom L, Etachrom B, 100-080-200, up to 2100 rpm**


Impeller diameter: 219 mm

**Etachrom L, Etachrom B, 100-080-200, from 2100 rpm**


Impeller diameter: 219 mm

**Etachrom L, Etachrom B, 100-080-250, up to 1800 rpm**


Impeller diameter: 269 mm



**KSB SE & Co. KGaA**  
Johann-Klein-Straße 9 • 67227 Frankenthal (Germany)  
Tel. +49 6233 86-0  
[www.ksb.com](http://www.ksb.com)