Thermal Oil / Hot Water Pump

Etaline SYT

50 Hz / 60 Hz

Characteristic Curves Booklet

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Characteristic Curves Booklet Etaline SYT

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Centrifugal Pumps with Shaft Seal

Thermal Oil/Hot Water Pumps

Etaline SYT

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 x Q_{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 ρ = 1.0 kg/dm³ and a kinematic viscosity v of up to 20 mm²/s max. If the density ≠ 1.0, the performance data must be multiplied by ρ. For viscosities >20 mm²/s the corresponding data for cold water has to be calculated and the impact on the pump's performance has to be determined.

Correction factors
The characteristic curves apply to pumps with cast iron impellers. When using an impeller made of cast steel material the efficiency and pump power output of the corresponding pump sizes have to be multiplied by the correction factors indicated in the characteristic curves.

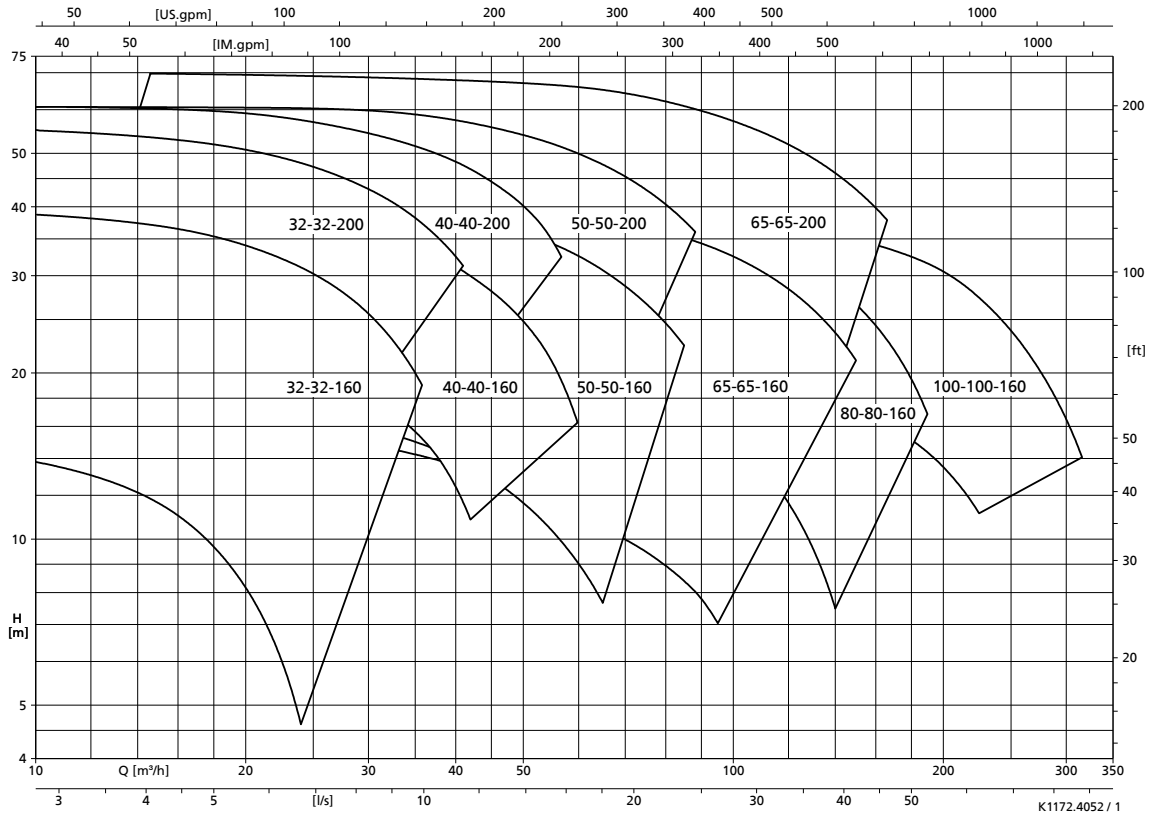
Overview of sizes

Overview of sizes

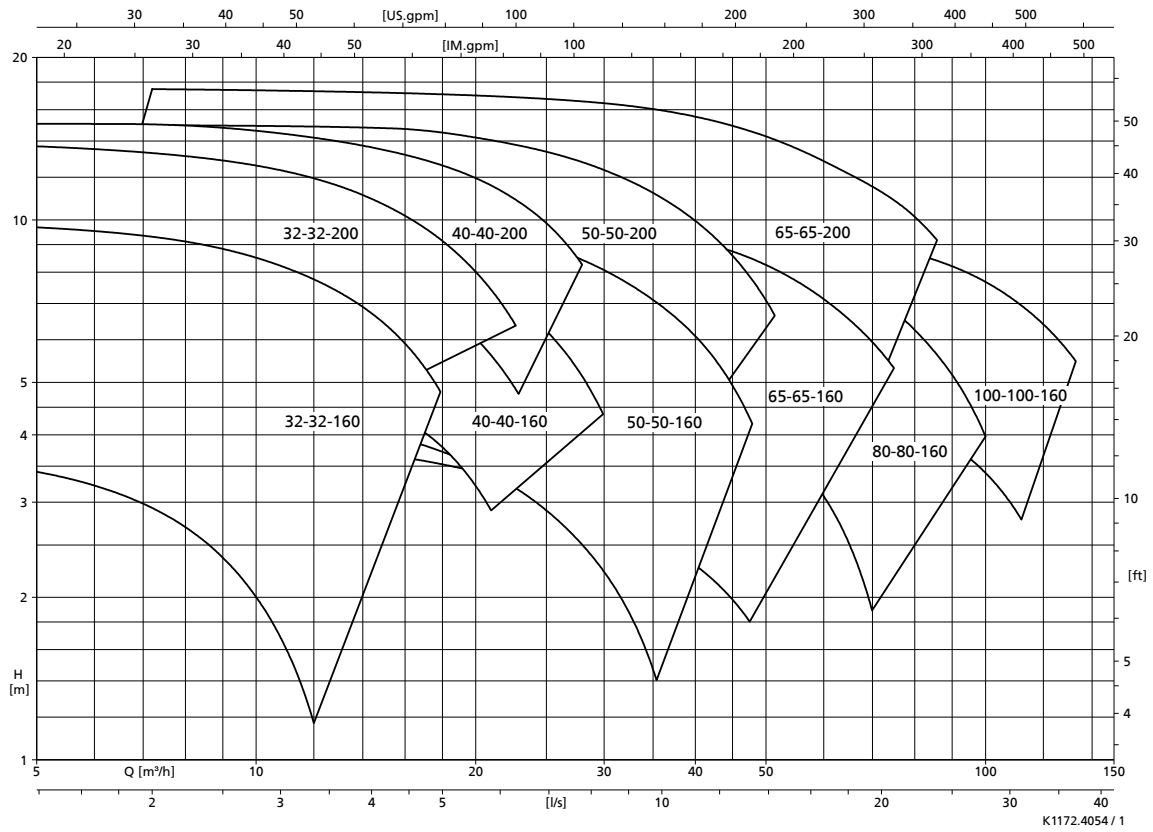
Size	Speed [rpm]			
	2900	1450	3500	1750
032-032-160	(⇨ Page 8)	(⇨ Page 18)	(⇨ Page 28)	(⇨ Page 37)
032-032-200	(⇨ Page 9)	(⇨ Page 19)	(⇨ Page 29)	(⇨ Page 38)
040-040-160	(⇨ Page 10)	(⇨ Page 20)	(⇨ Page 30)	(⇨ Page 39)
040-040-200	(⇨ Page 11)	(⇨ Page 21)	(⇨ Page 31)	(⇨ Page 40)
050-050-160	(⇨ Page 12)	(⇨ Page 22)	(⇨ Page 32)	(⇨ Page 41)
050-050-200	(⇨ Page 13)	(⇨ Page 23)	(⇨ Page 33)	(⇨ Page 42)
065-065-160	(⇨ Page 14)	(⇨ Page 24)	(⇨ Page 34)	(⇨ Page 43)
065-065-200	(⇨ Page 15)	(⇨ Page 25)	(⇨ Page 35)	(⇨ Page 44)
080-080-160	(⇨ Page 16)	(⇨ Page 26)	(⇨ Page 36)	(⇨ Page 45)
100-100-160	(⇨ Page 17)	(⇨ Page 27)	-	(⇨ Page 46)

Selection charts

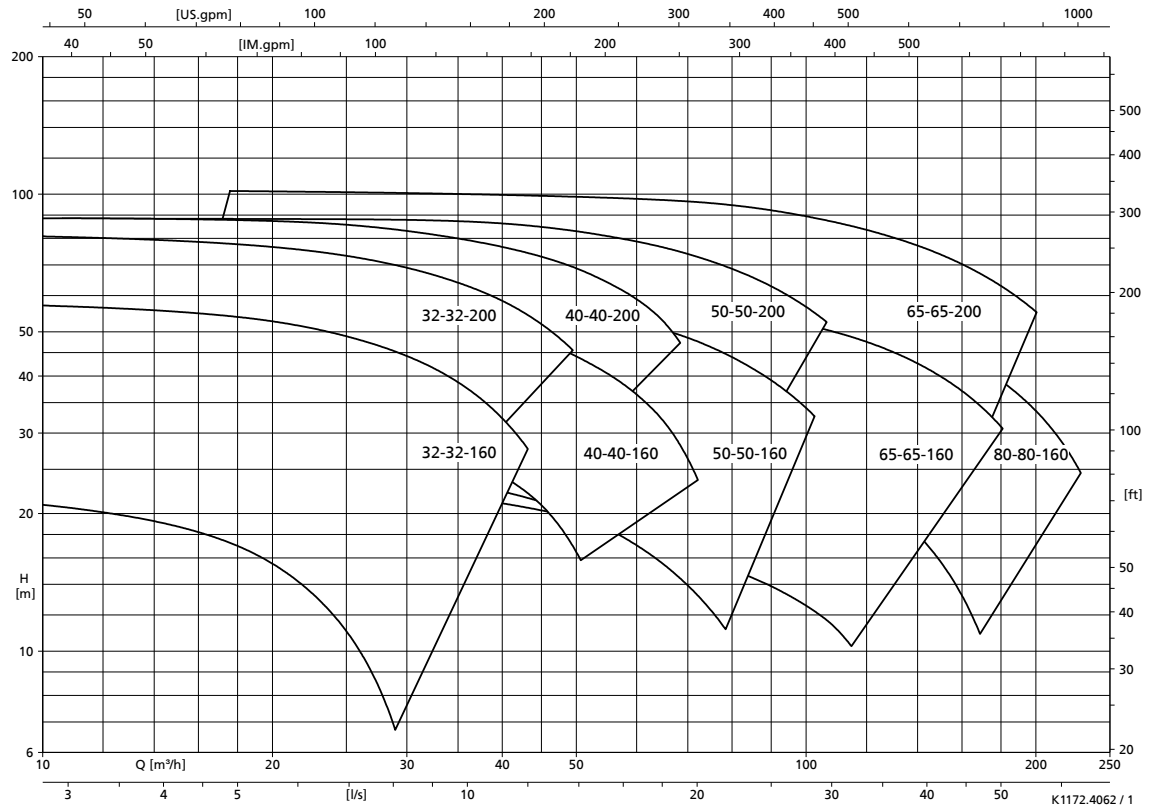
Etaline SYT, n = 2900 rpm



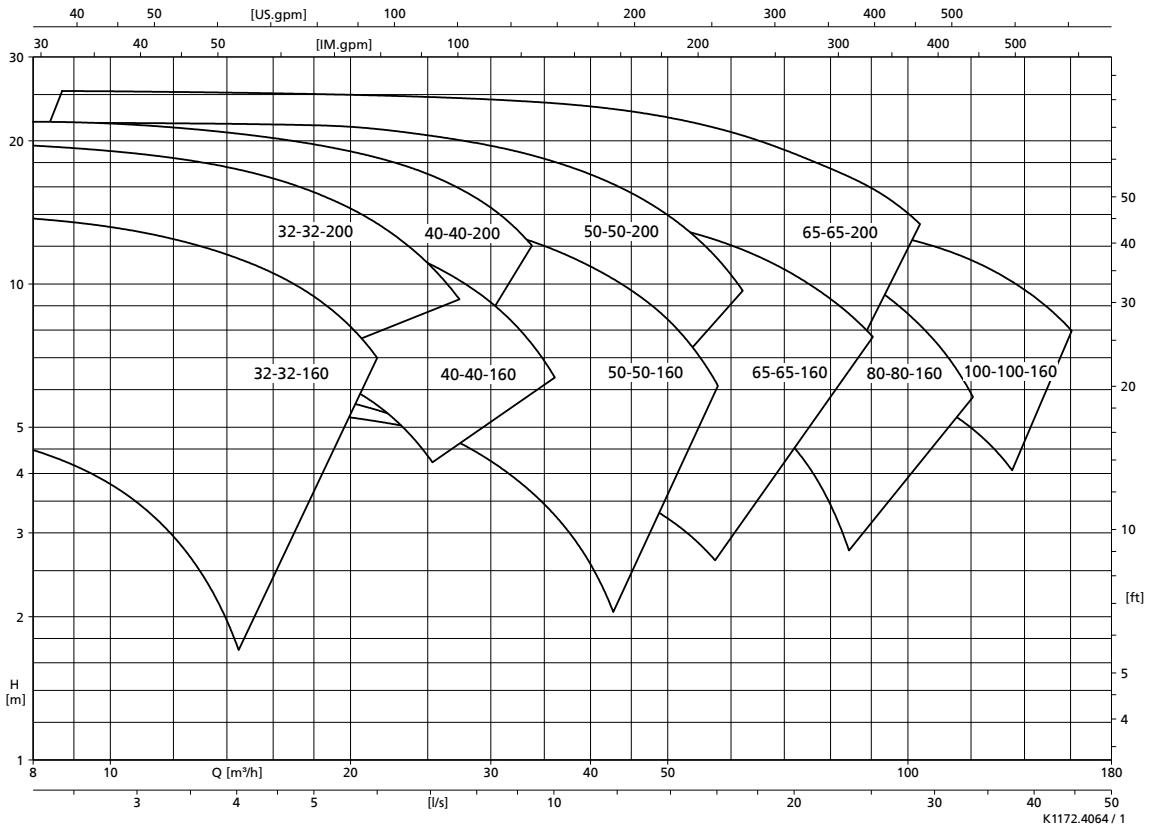
Etaline SYT, n = 1450 rpm



Etaline SYT, n = 3500 rpm



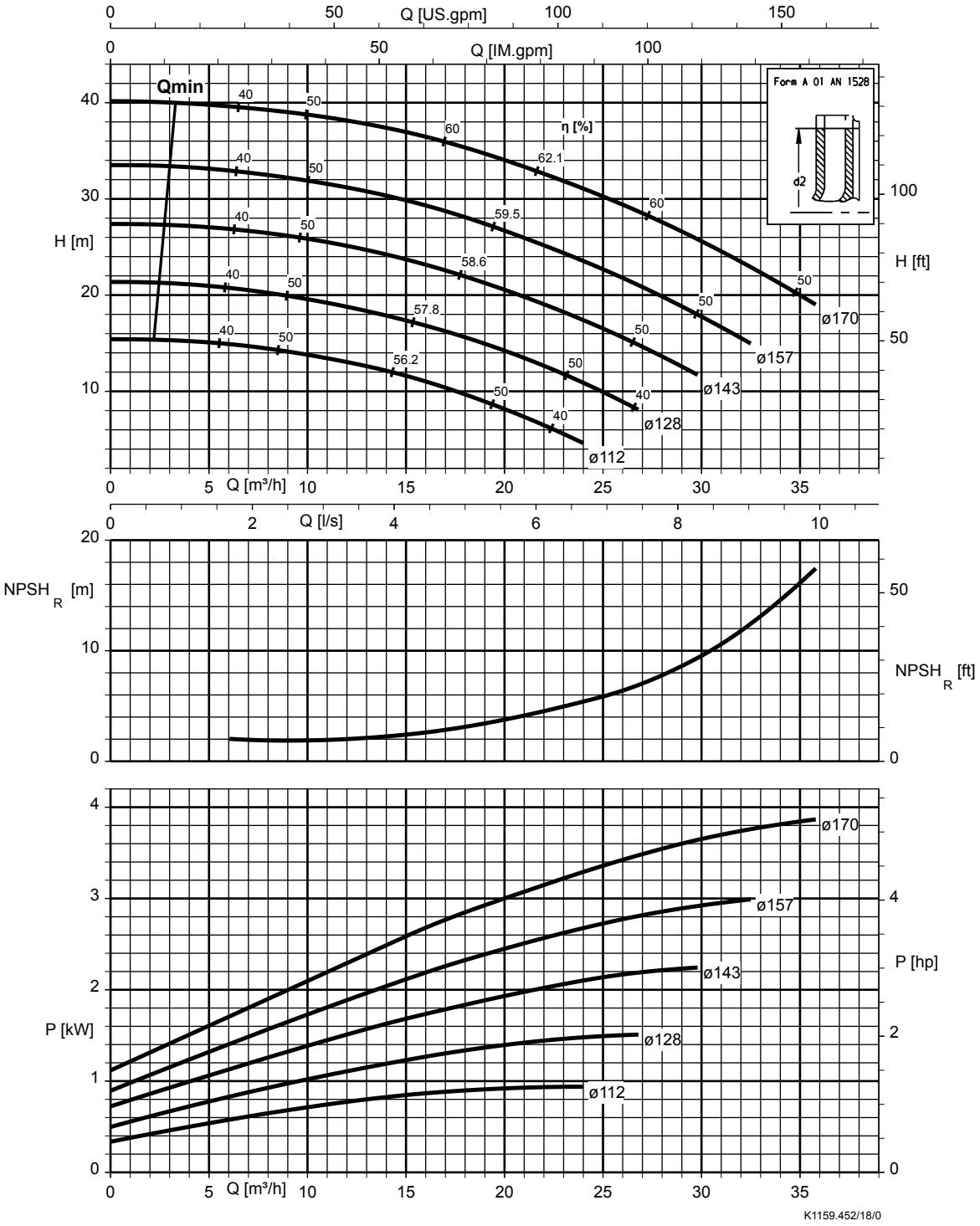
Etaline SYT, n = 1750 rpm



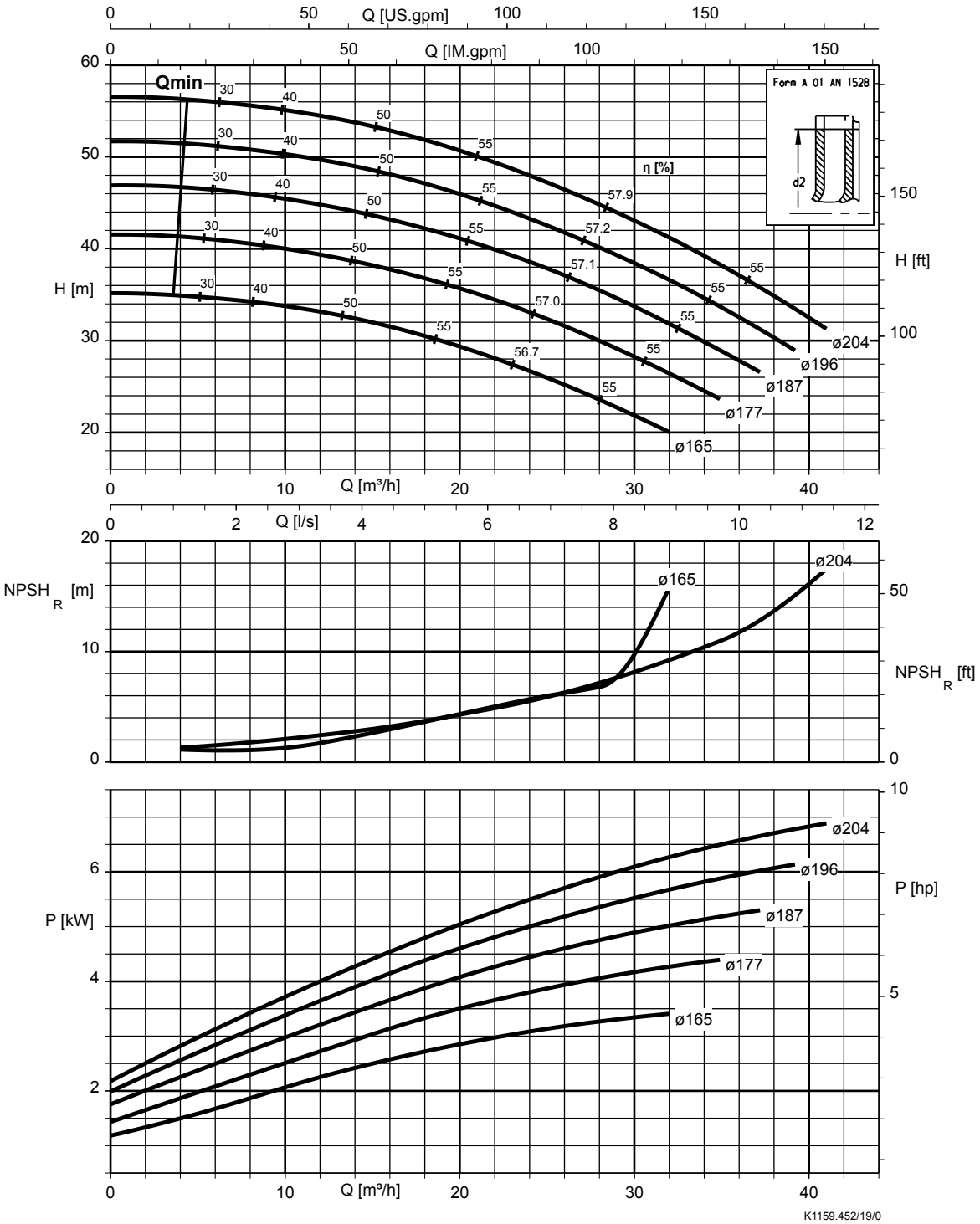
Characteristic curves

n = 2900 rpm

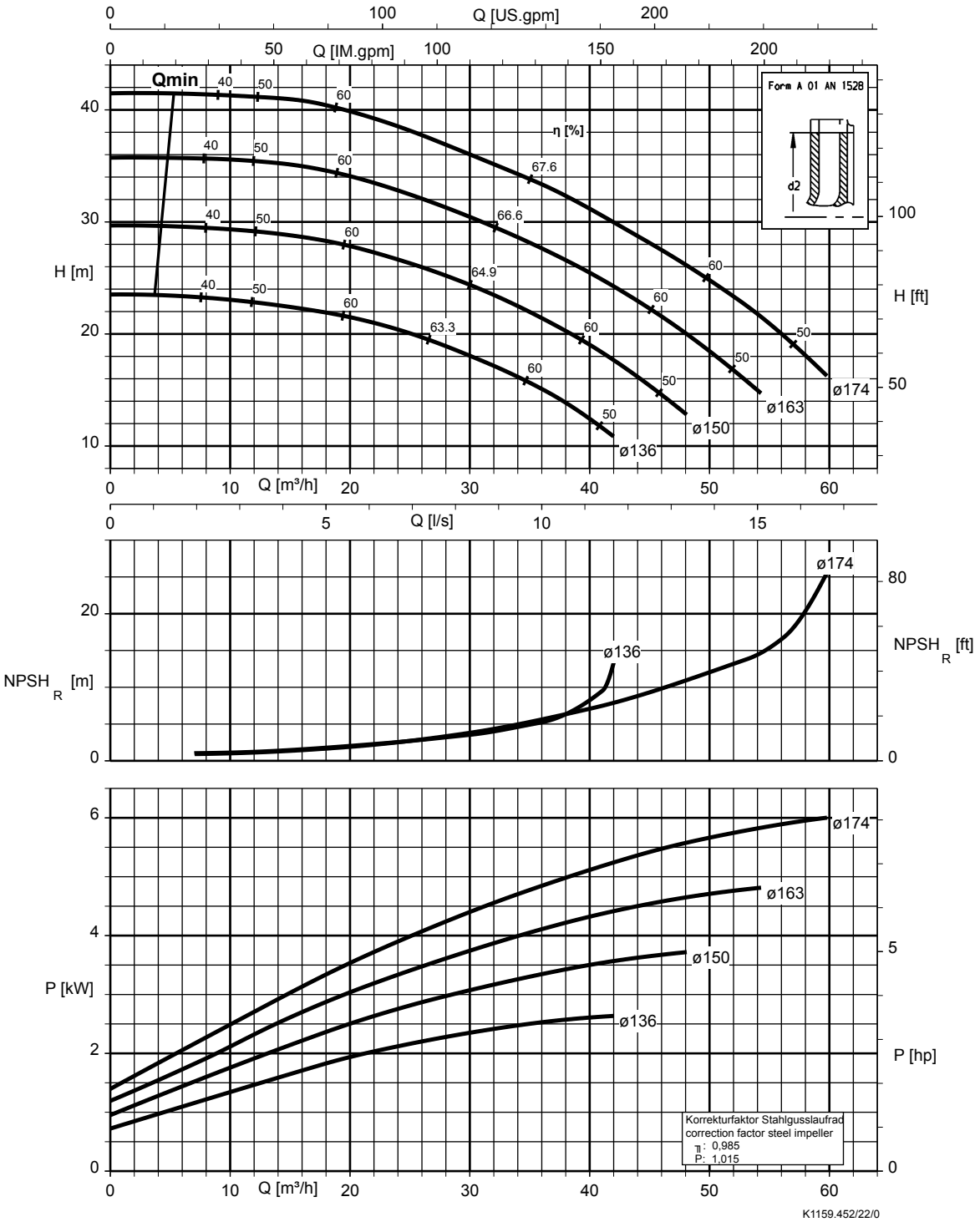
Etaline SYT 032-032-160, n = 2900 rpm



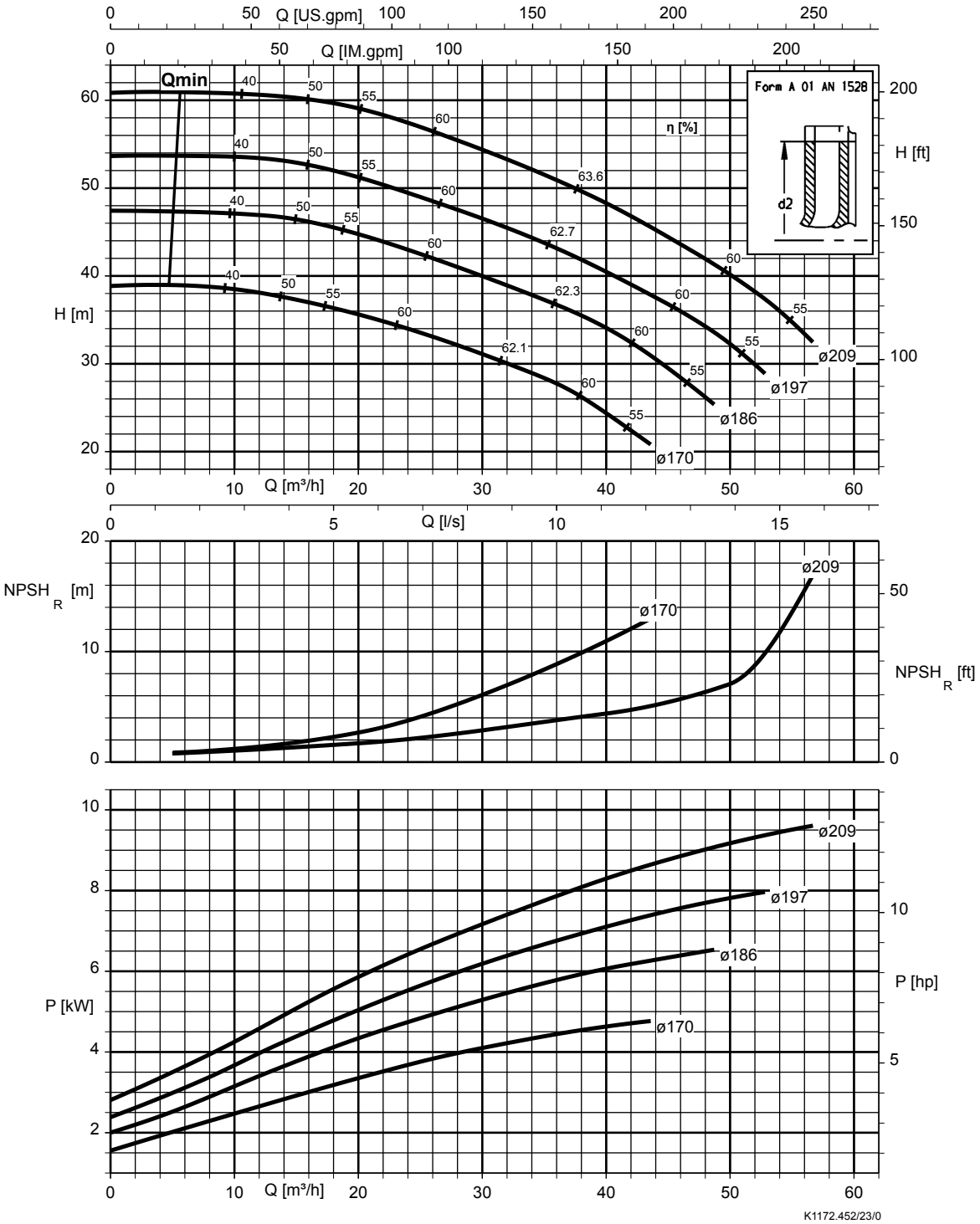
Etaline SYT 032-032-200, n = 2900 rpm



Etaline SYT 040-040-160, n = 2900 rpm



Etaline SYT 040-040-200, n = 2900 rpm



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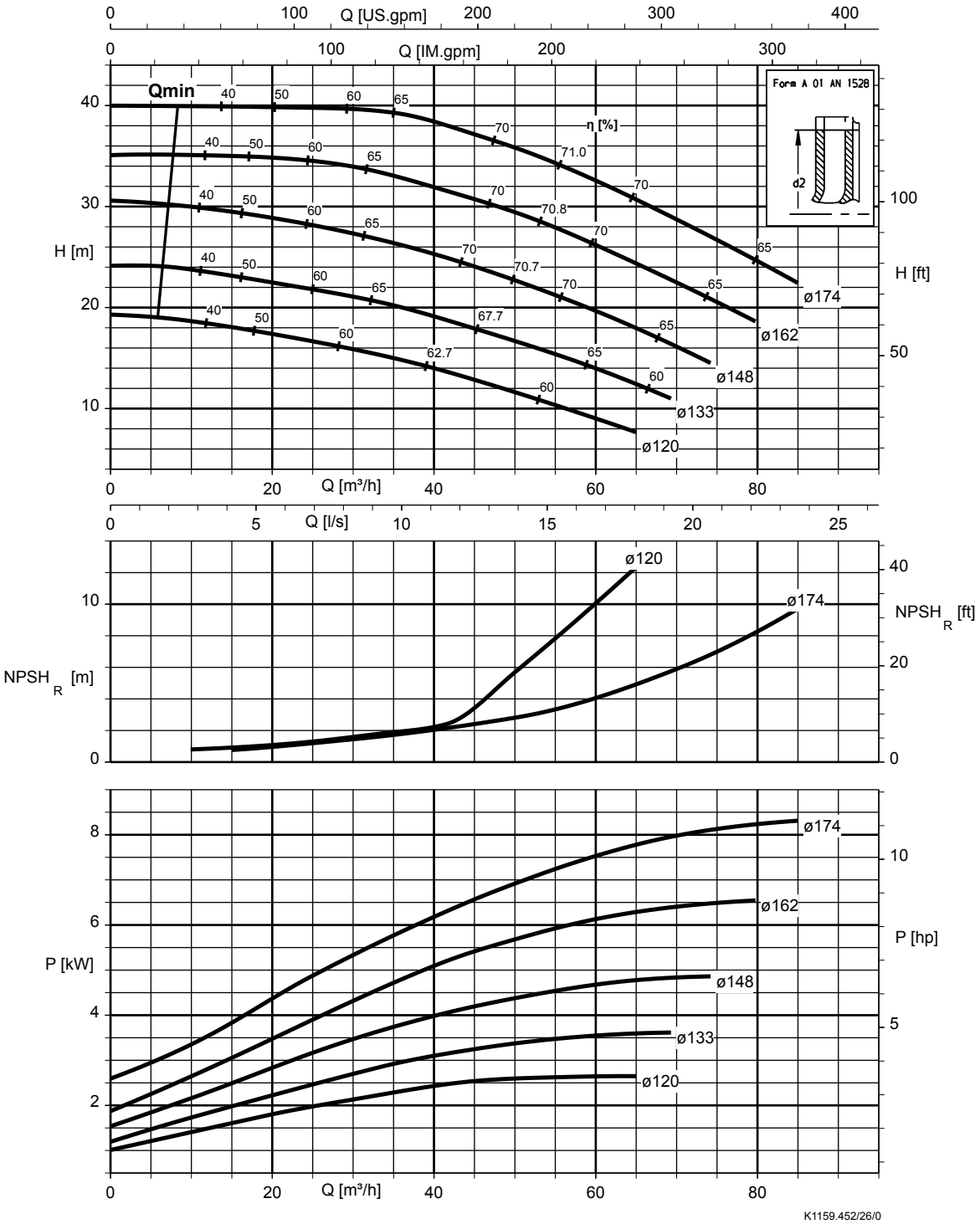
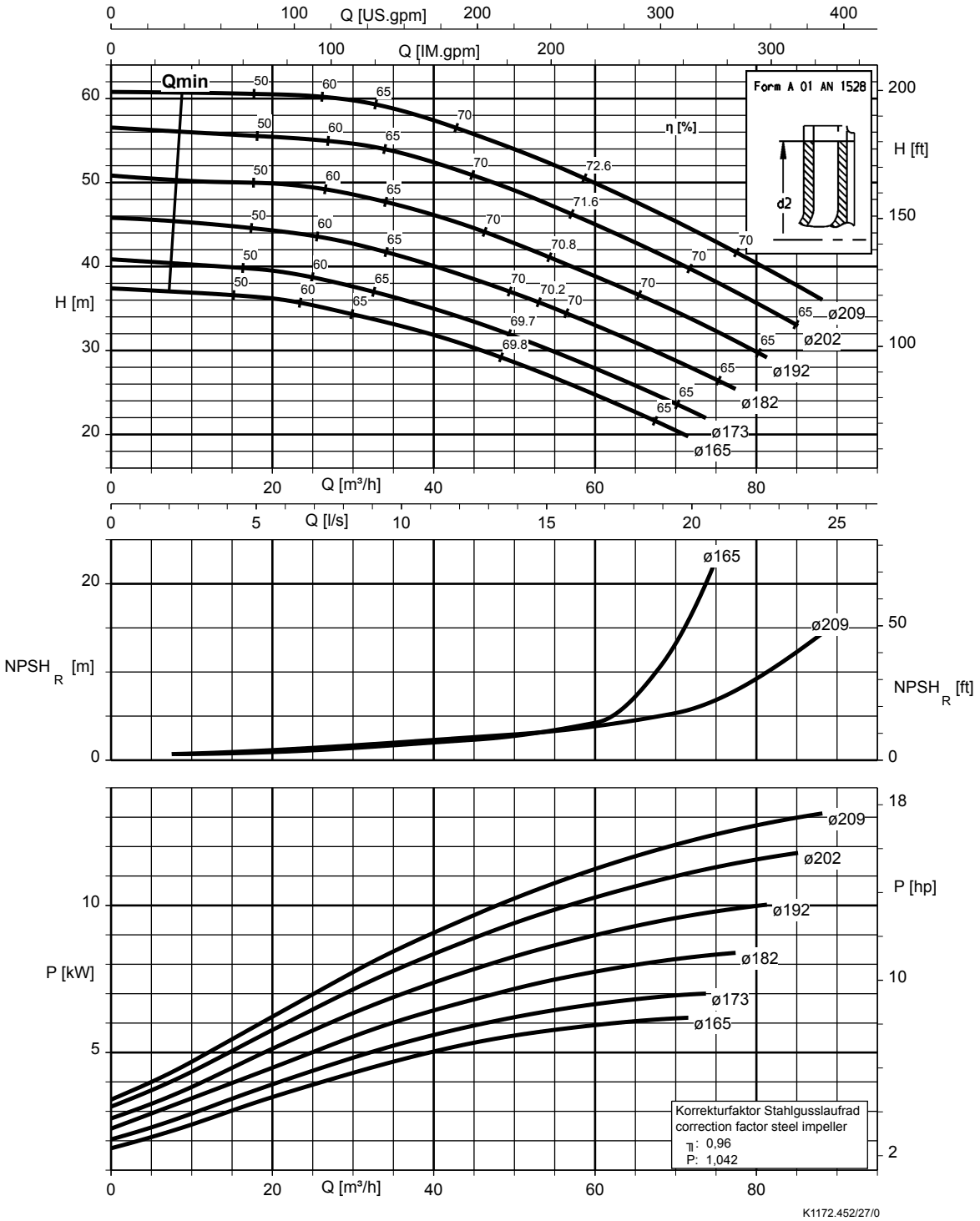
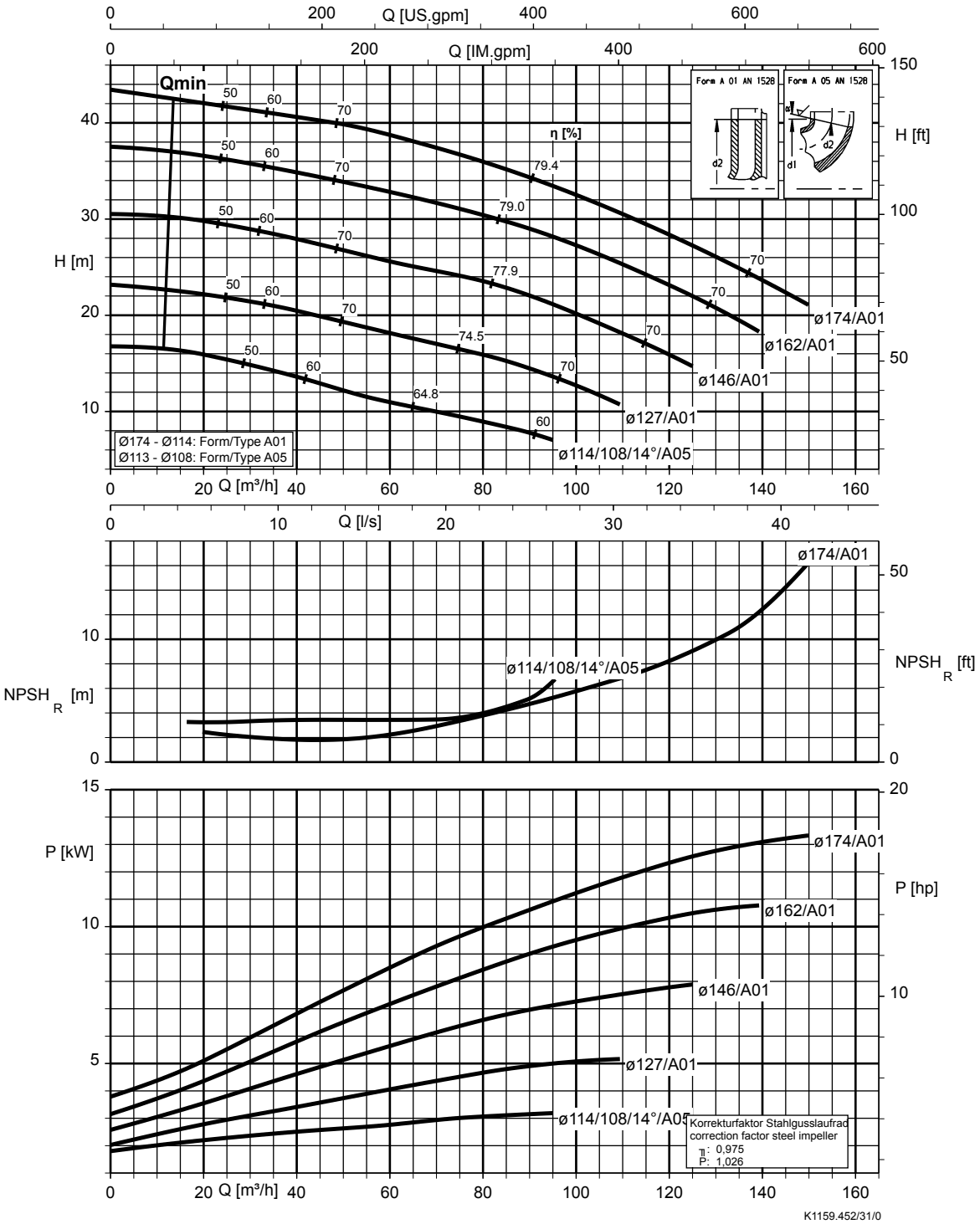


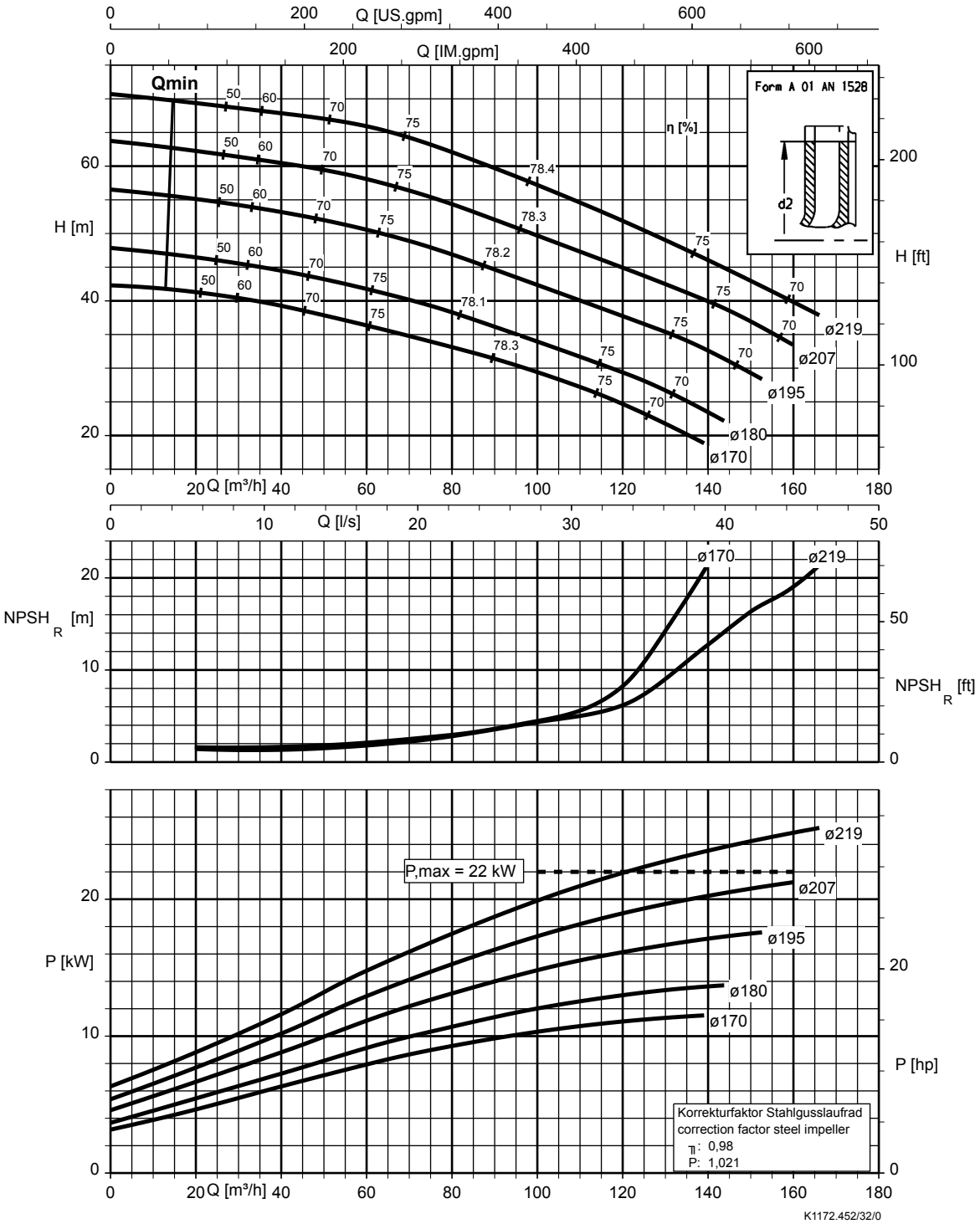
Etaline SYT 050-050-200, n = 2900 rpm



Etaline SYT 065-065-160, n = 2900 rpm



Etaline SYT 065-065-200, n = 2900 rpm



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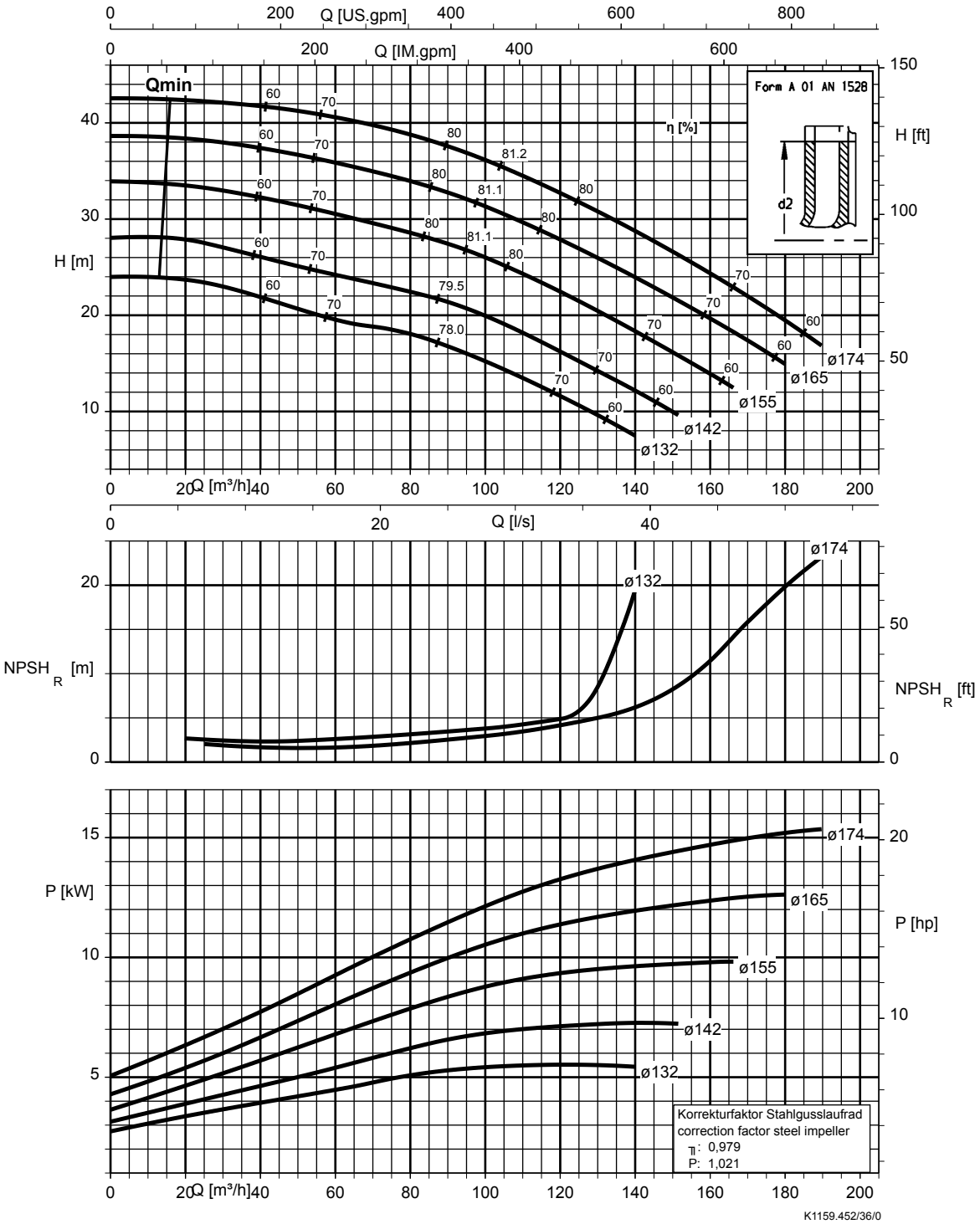
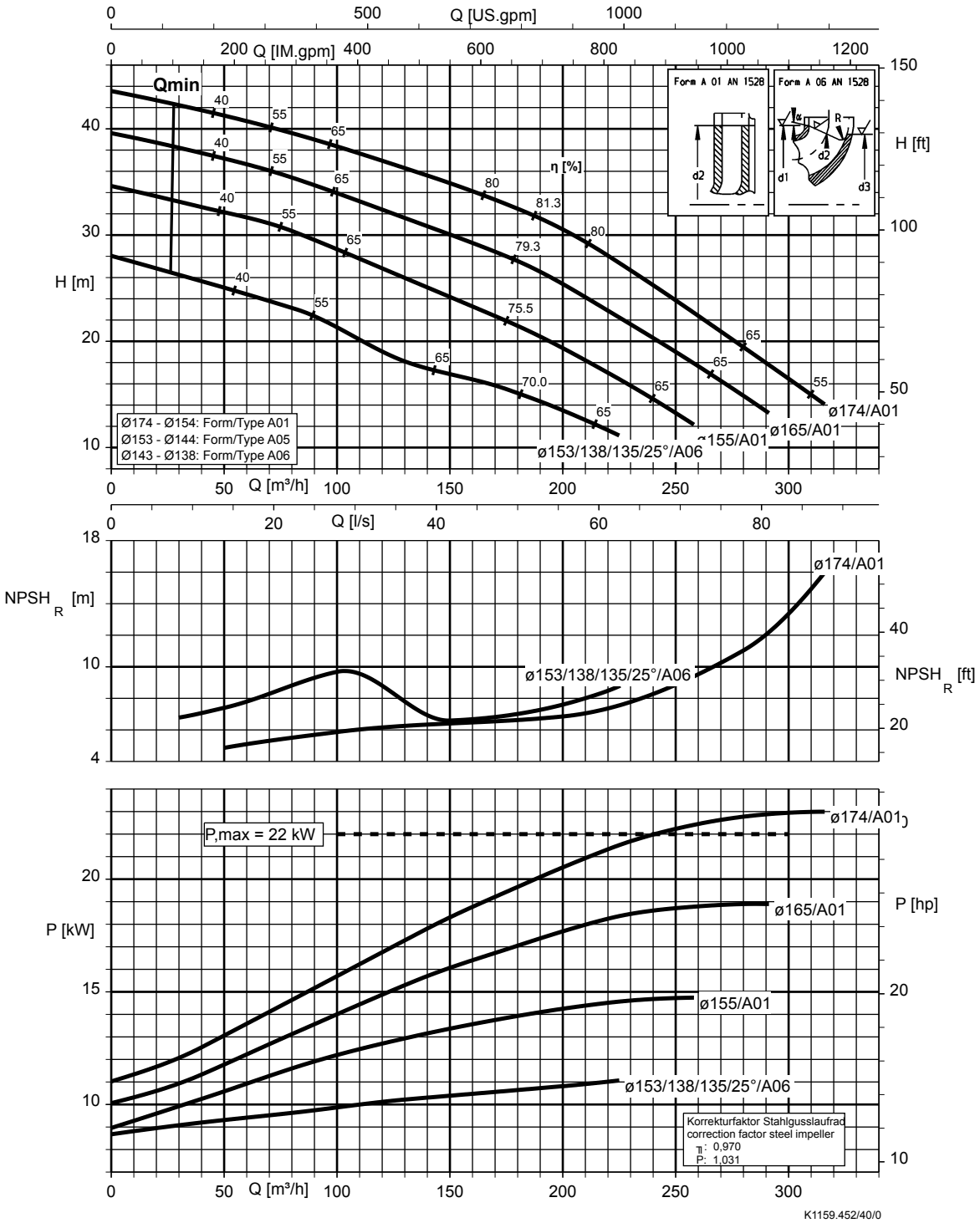
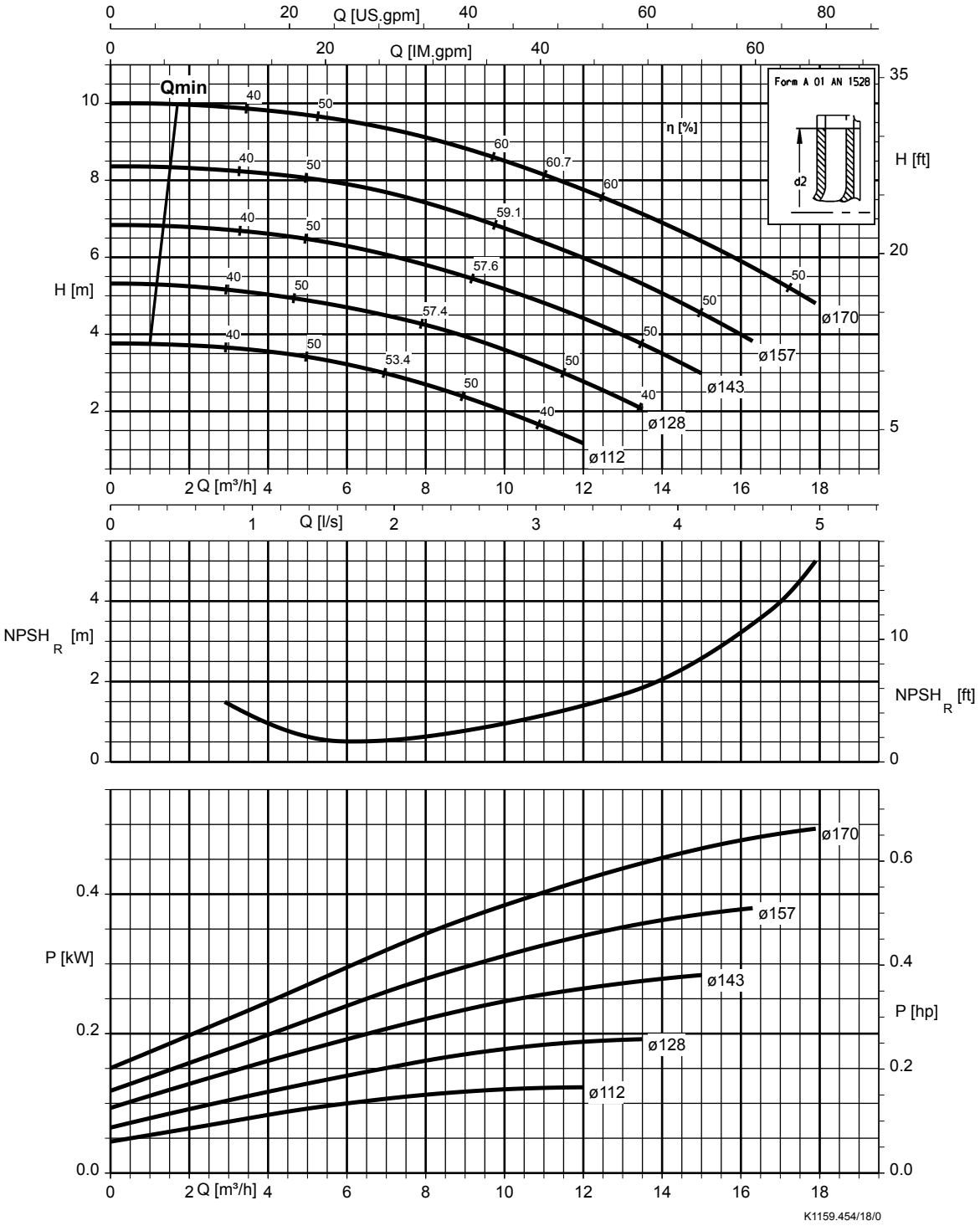


Etaline SYT 100-100-160, n = 2900 rpm



n = 1450 rpm

Etaline SYT 032-032-160, n = 1450 rpm



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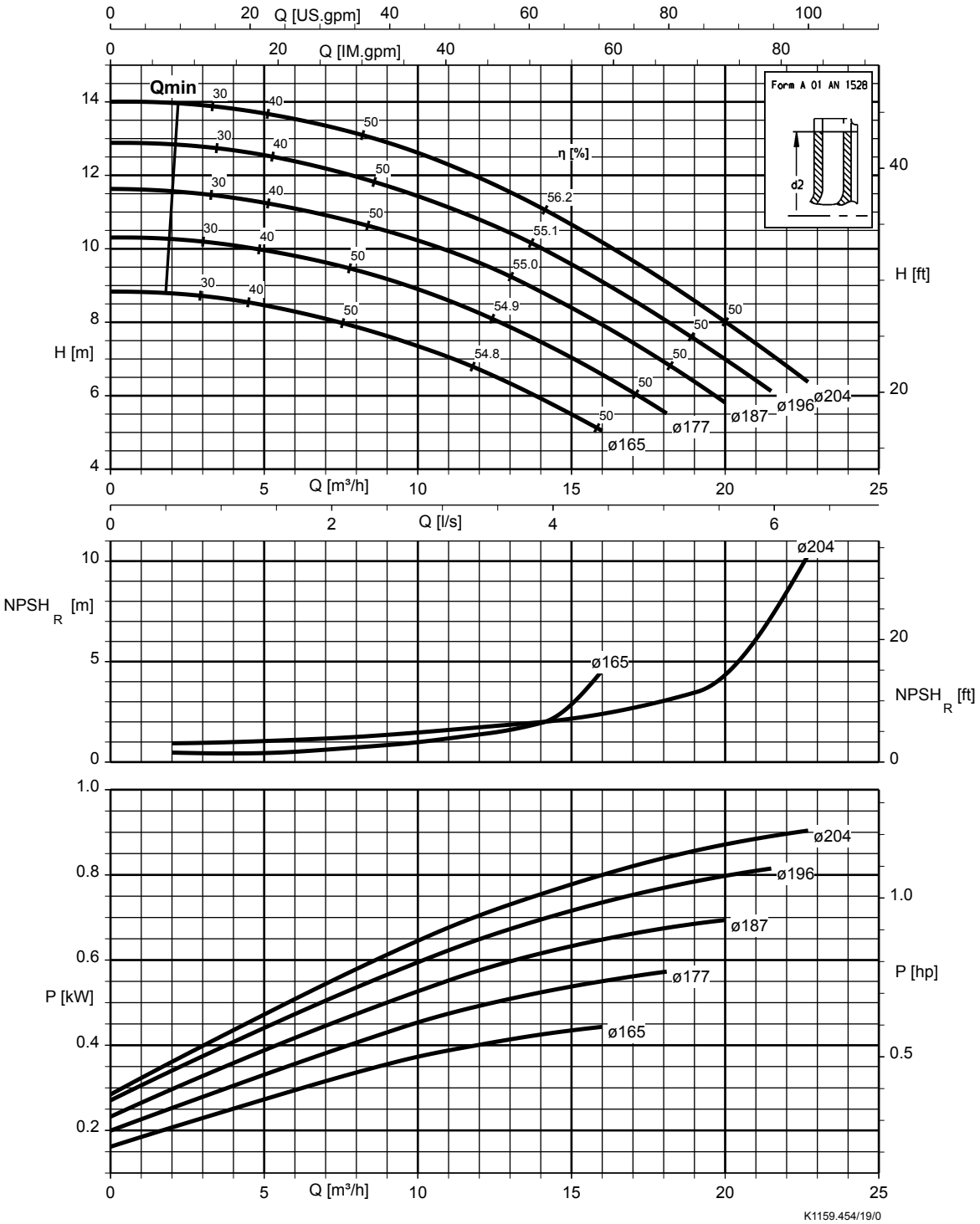

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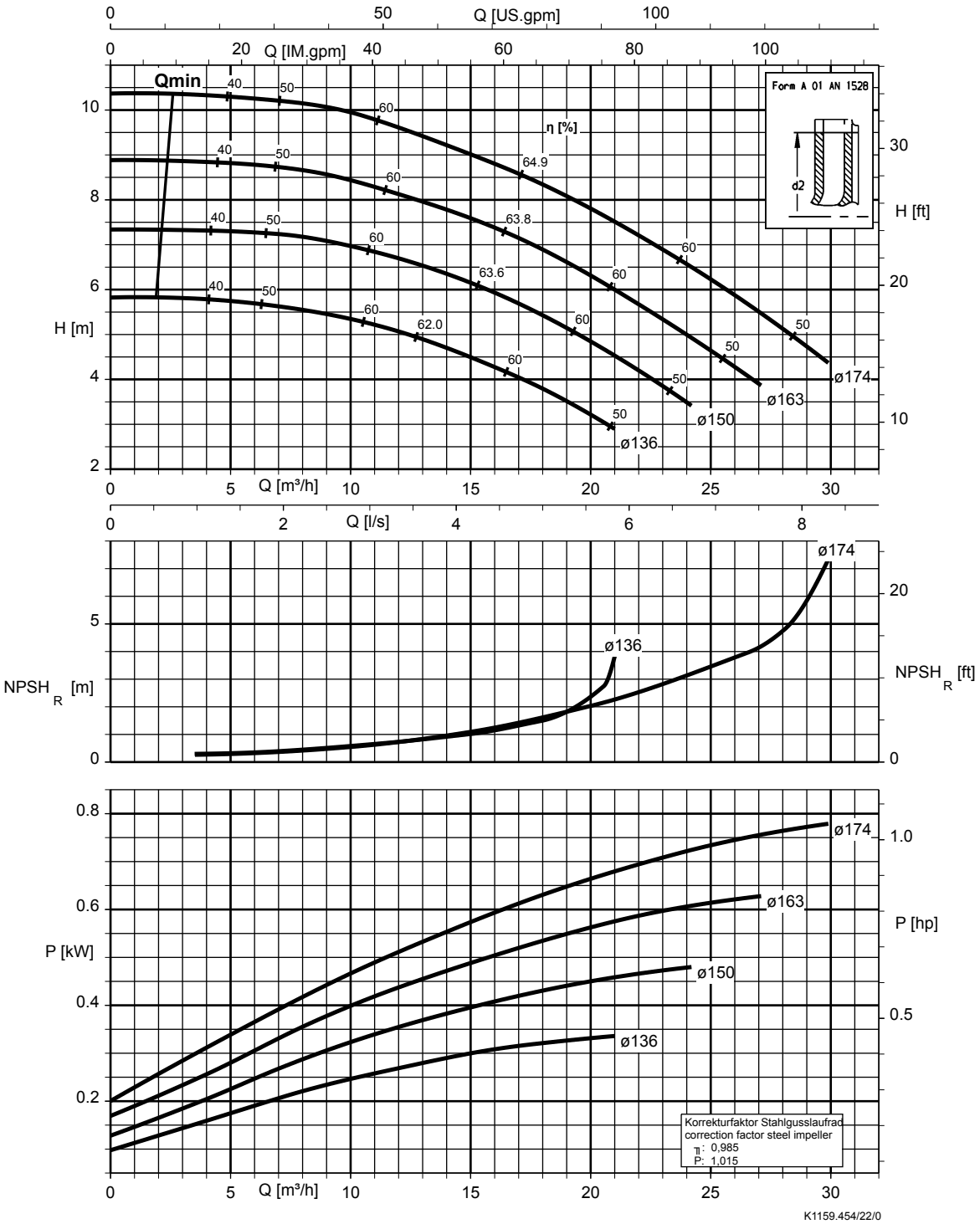

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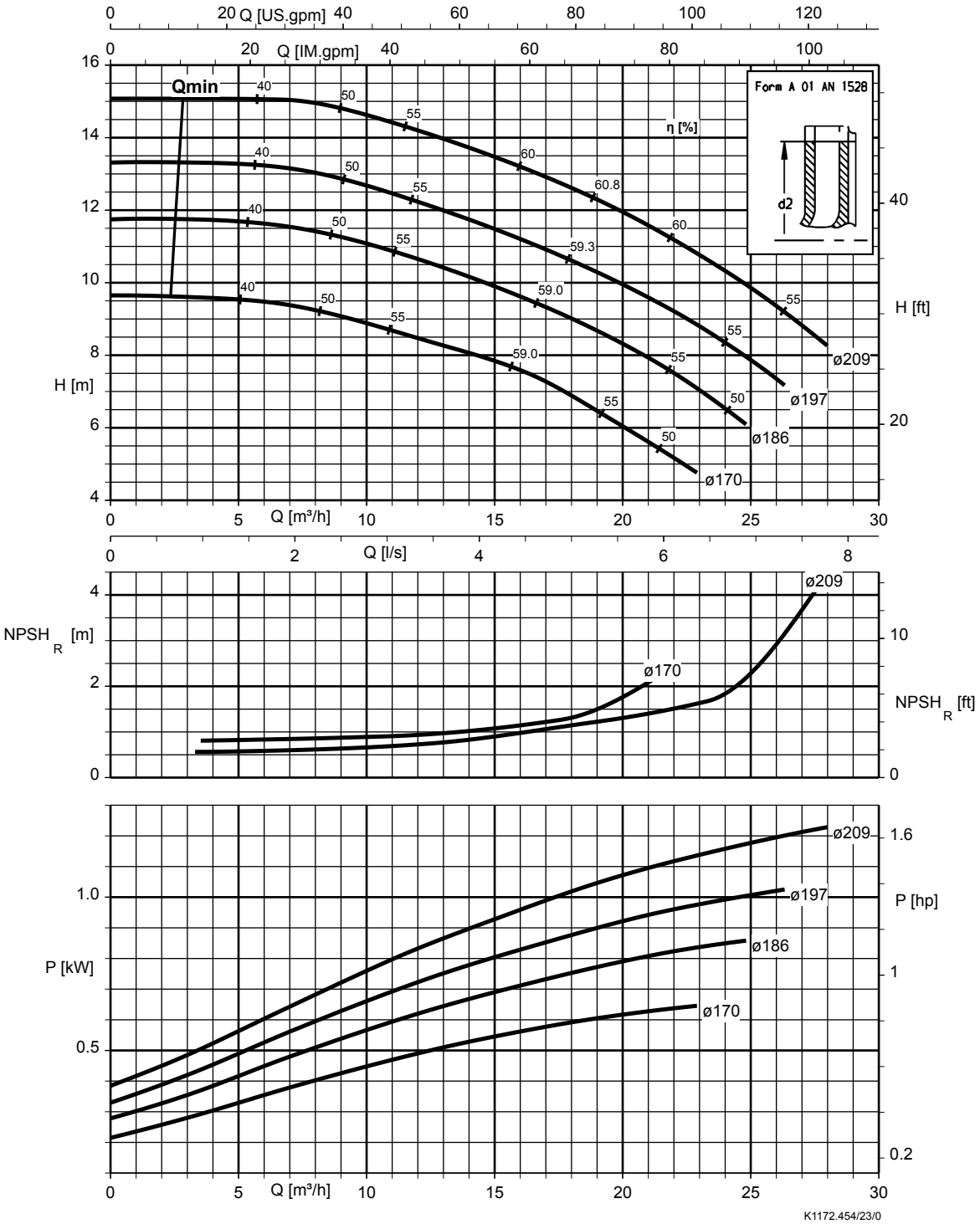

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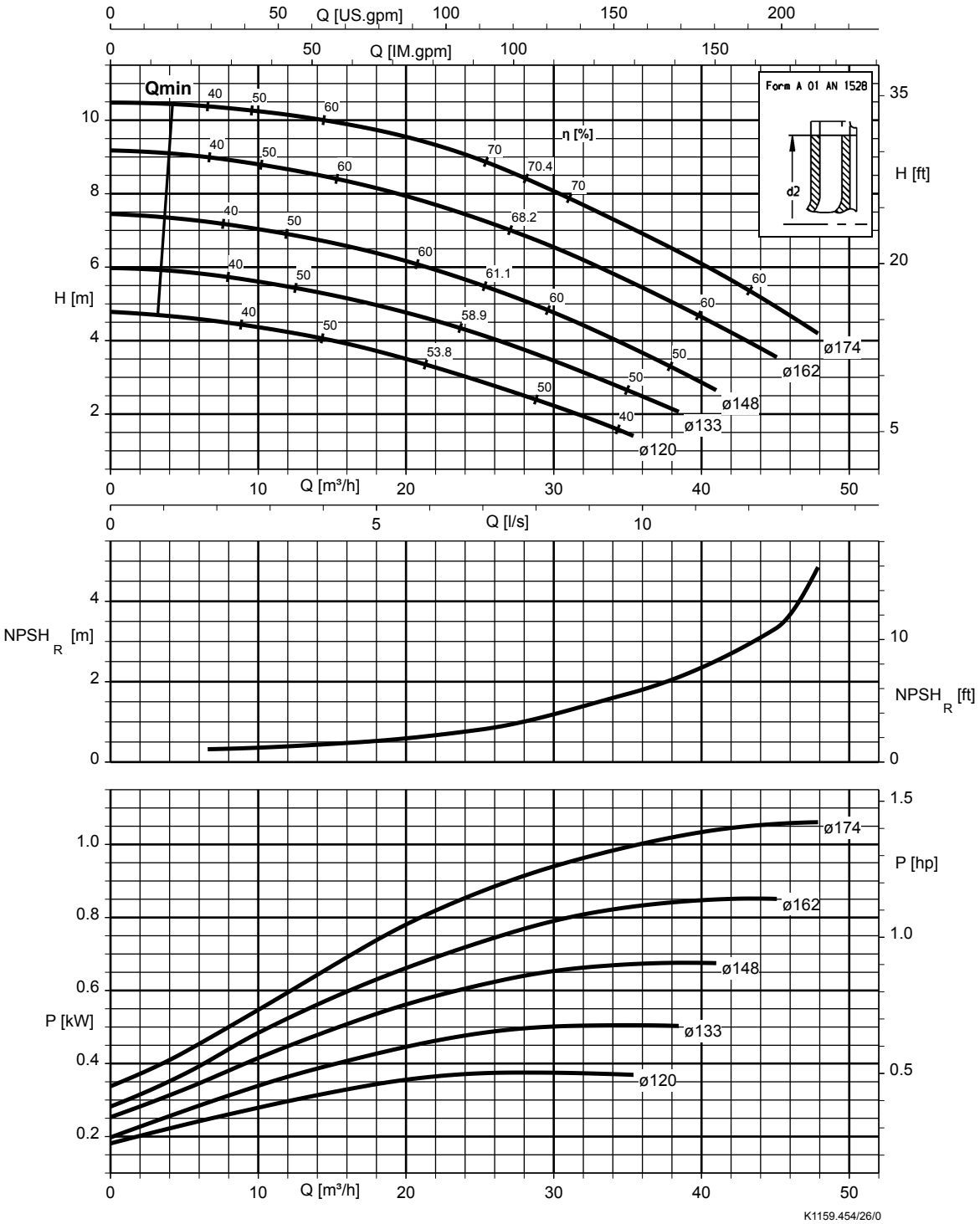

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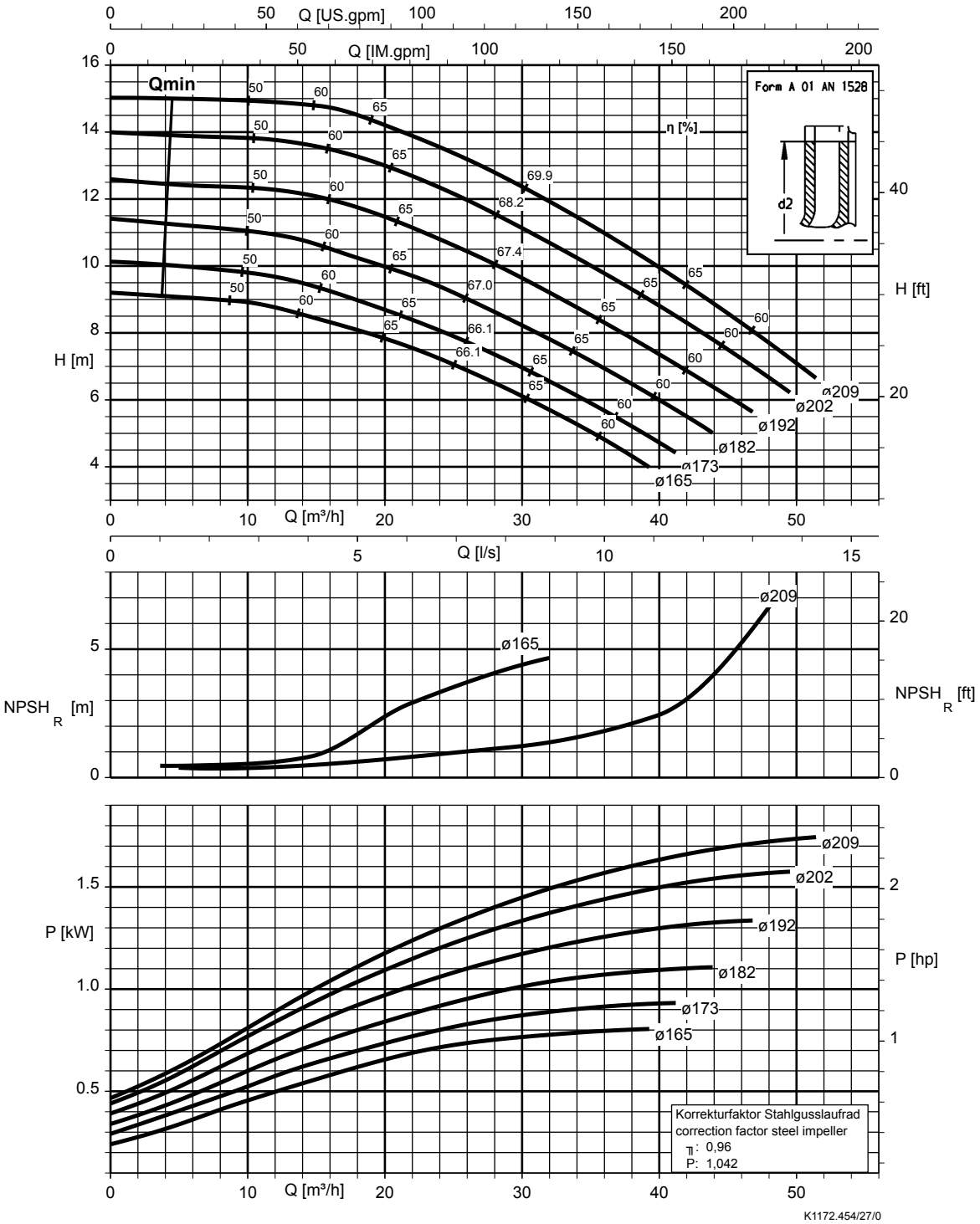

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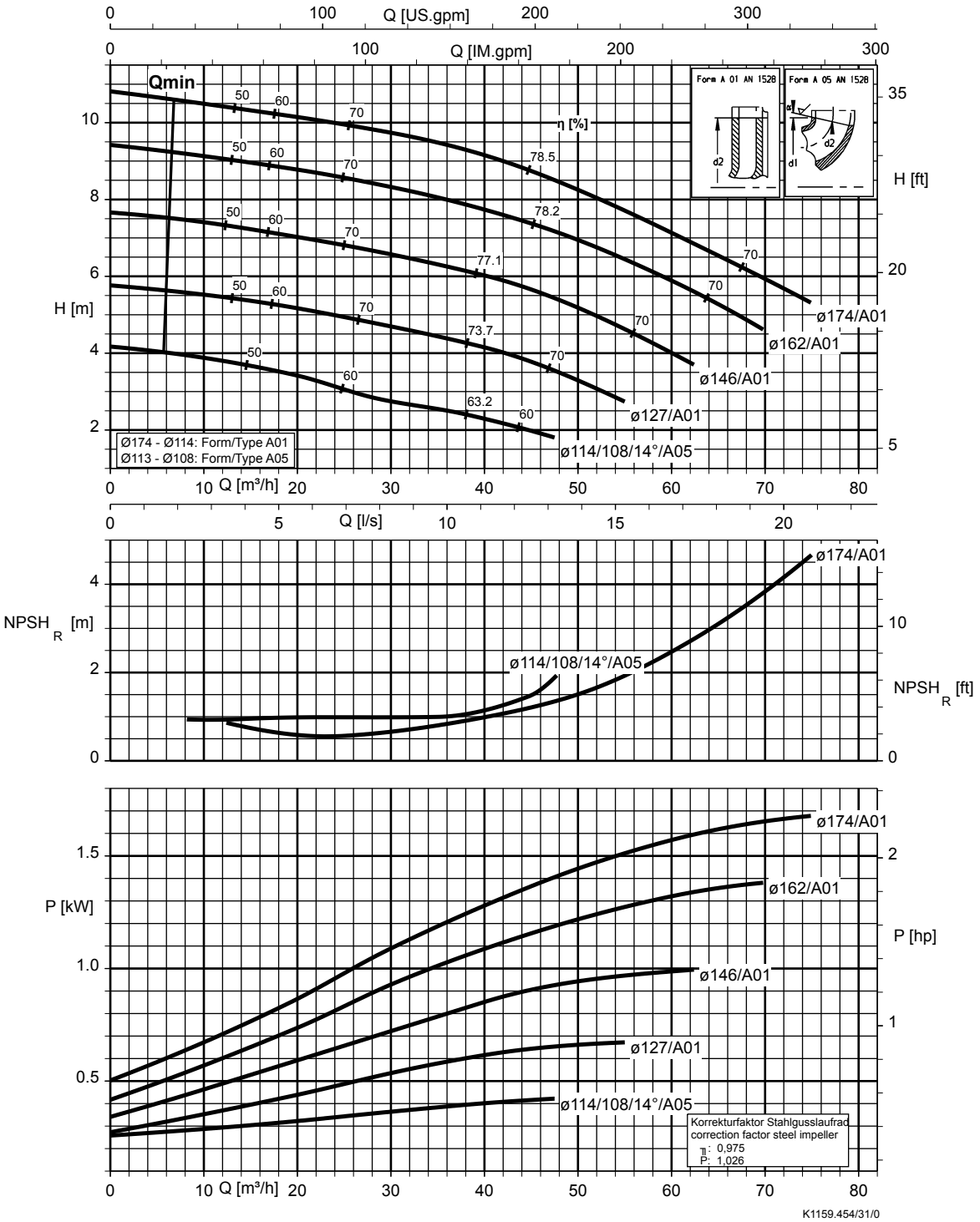
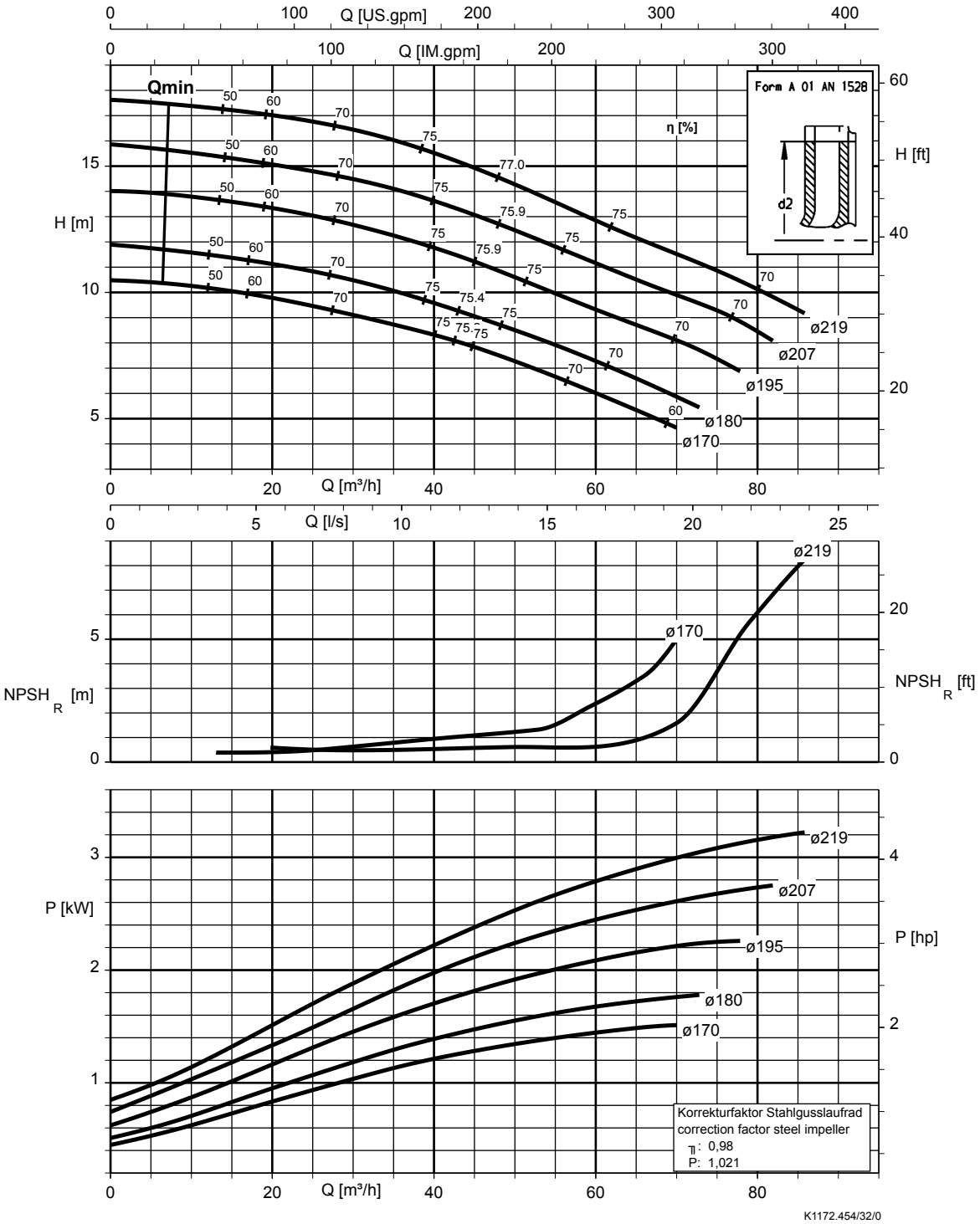


Etaline SYT 065-065-200, n = 1450 rpm



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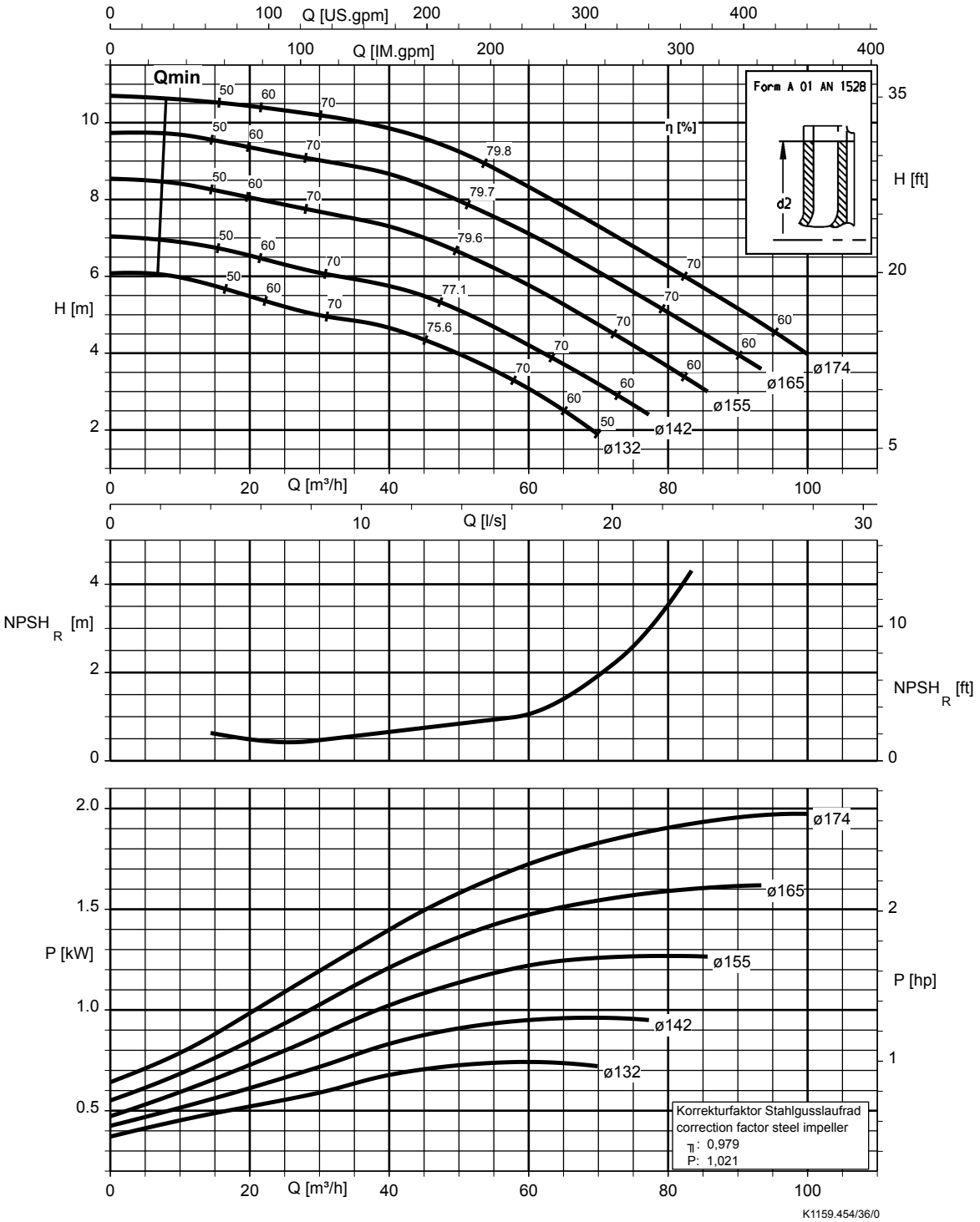
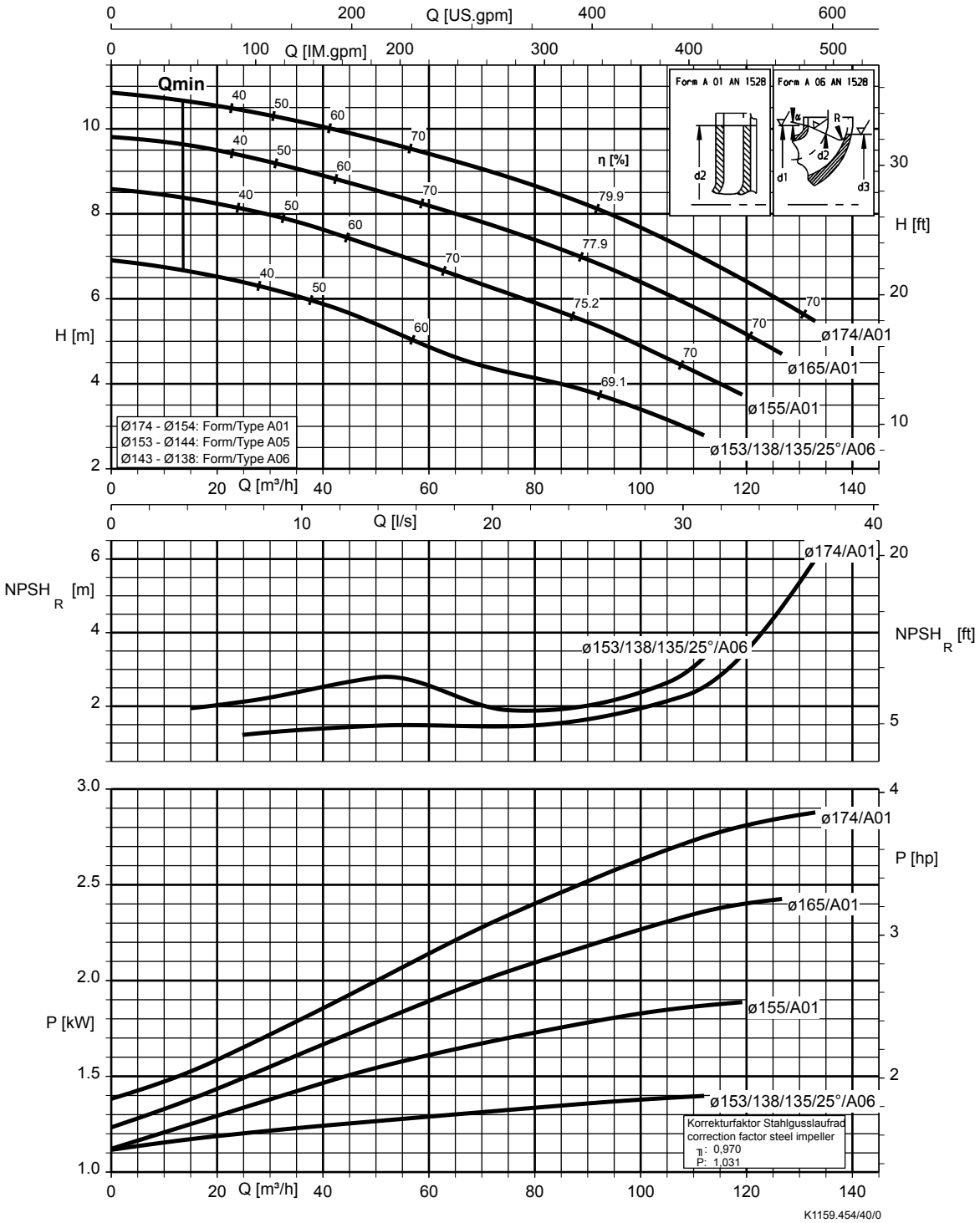
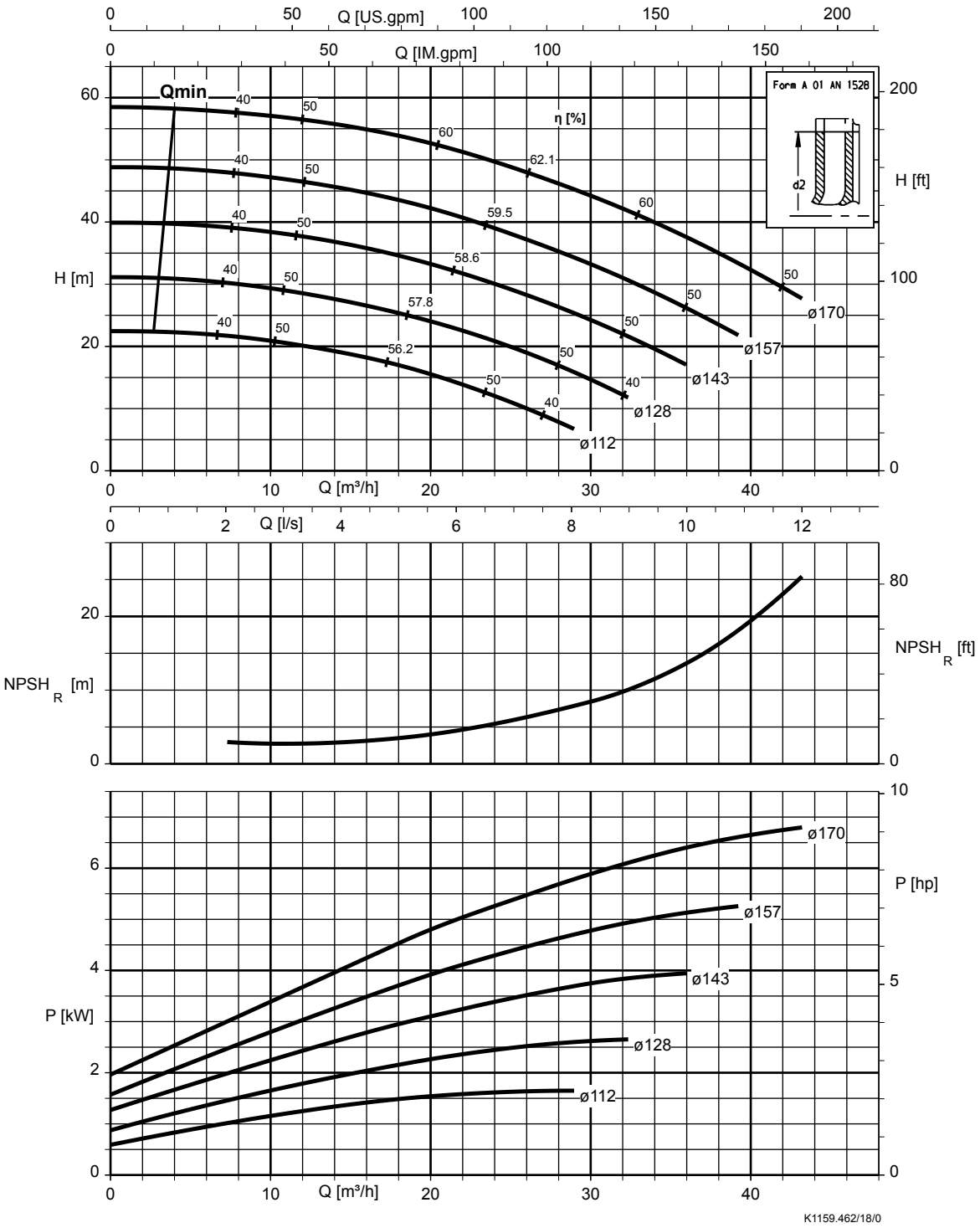


Etaline SYT 100-100-160, n = 1450 rpm

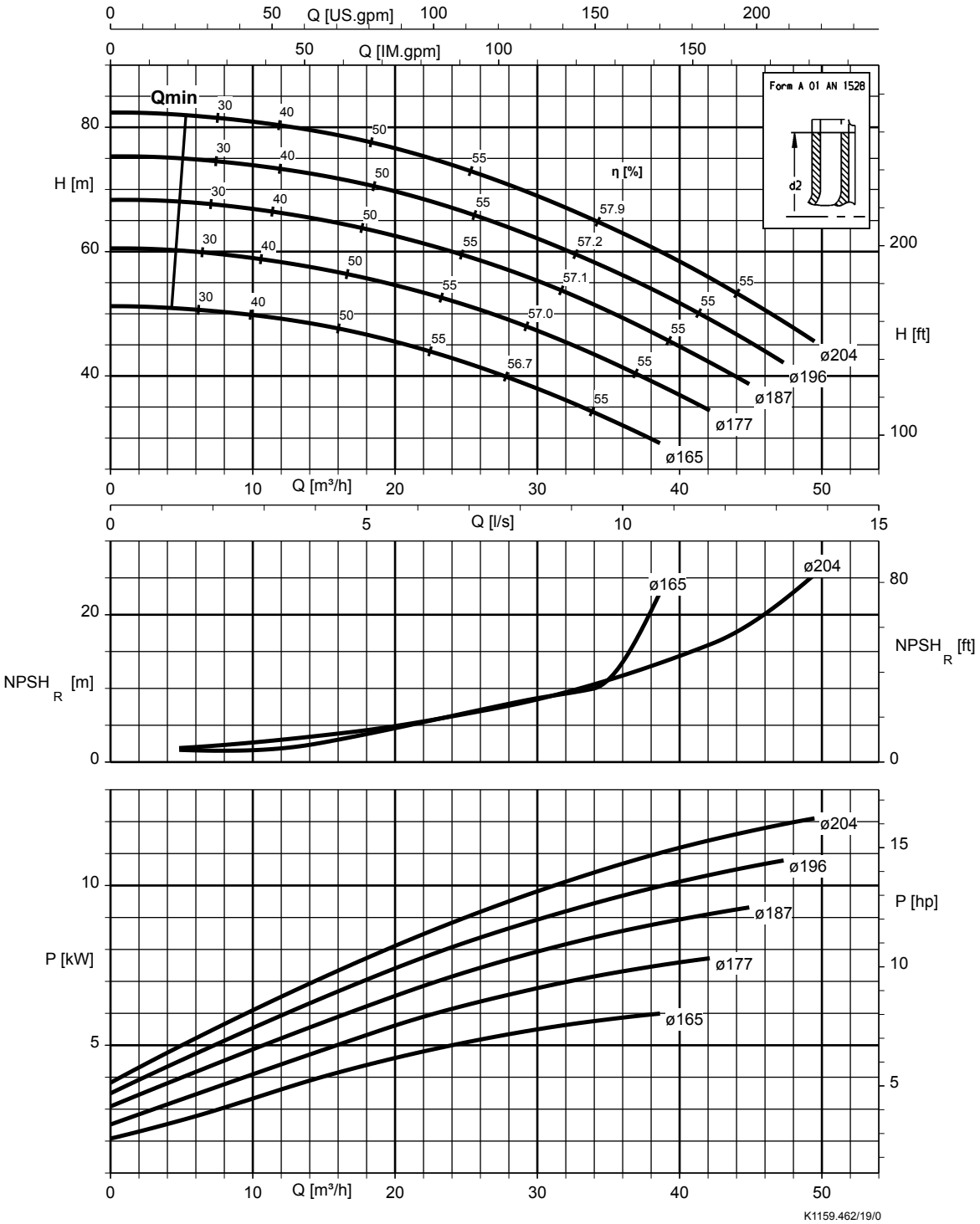


n = 3500 rpm

Etaline SYT 032-032-160, n = 3500 rpm



Etaline SYT 032-032-200, n = 3500 rpm



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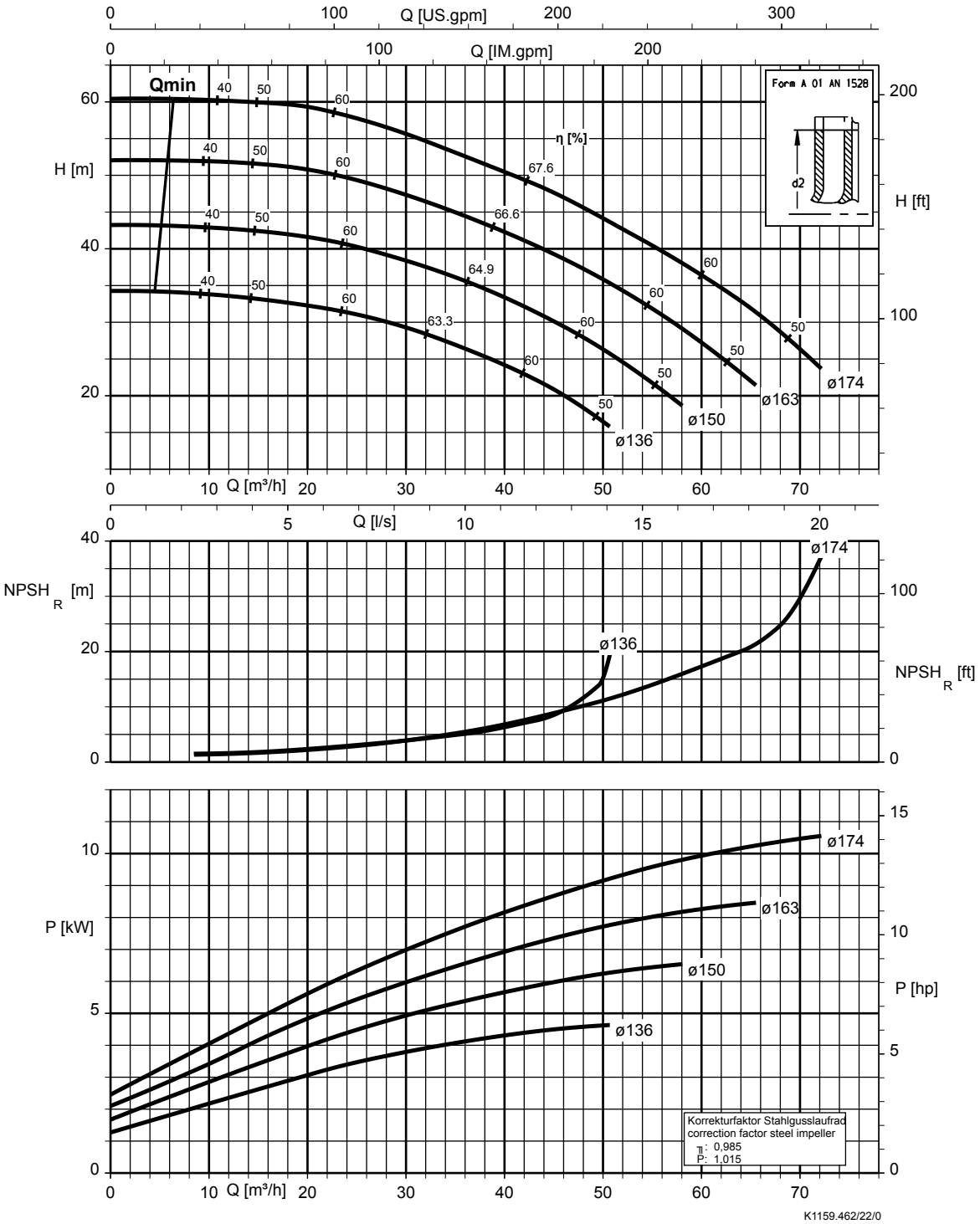

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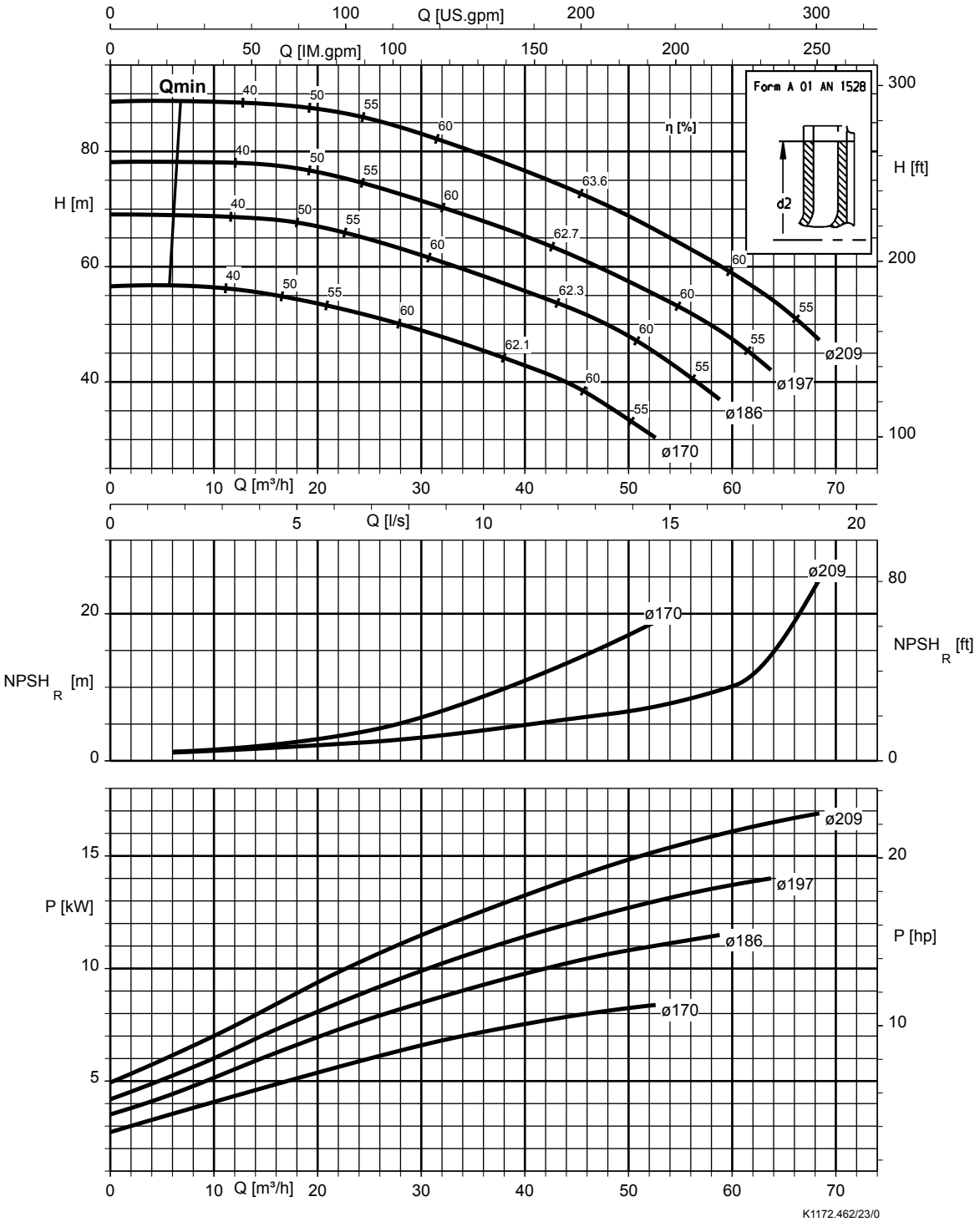

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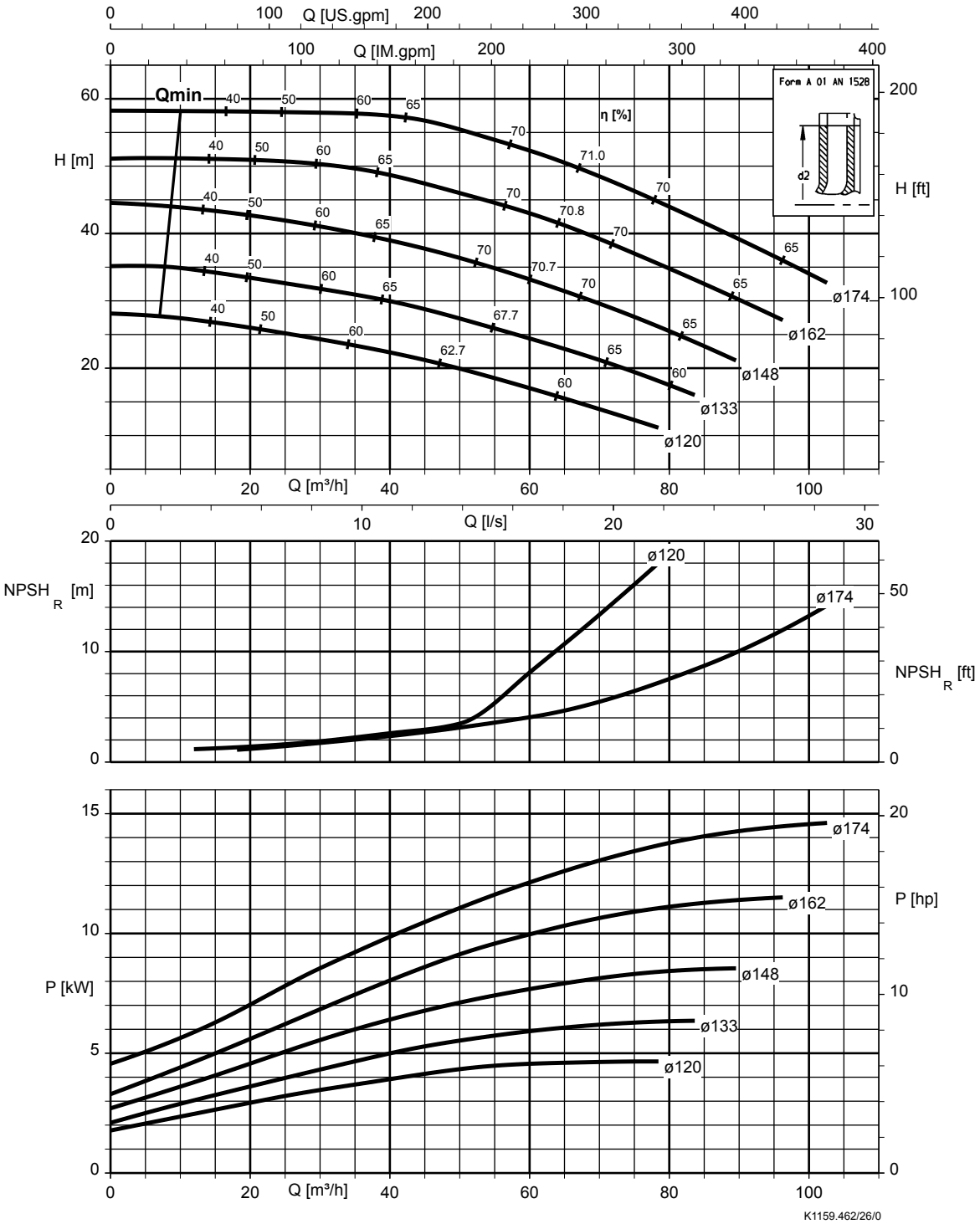

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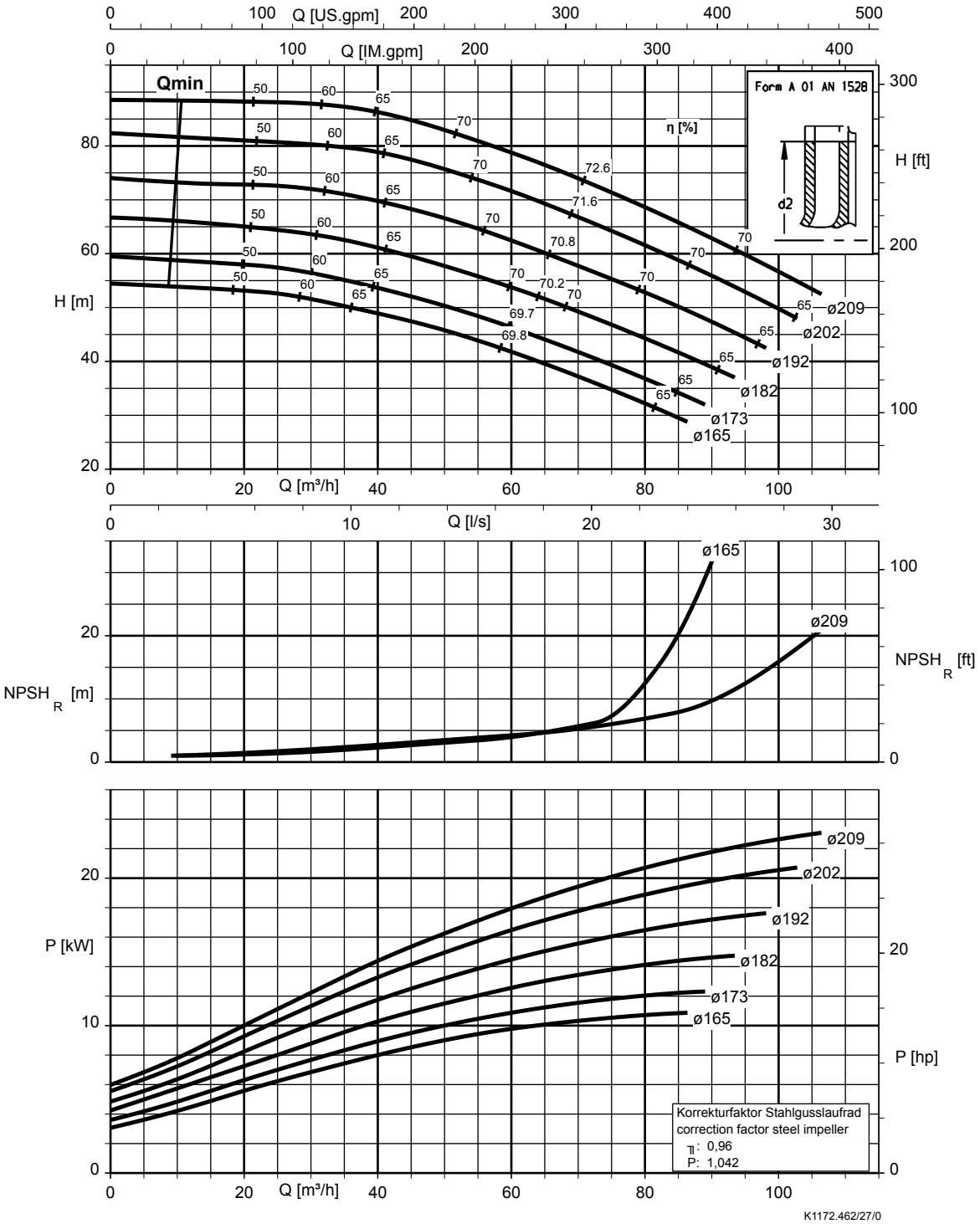
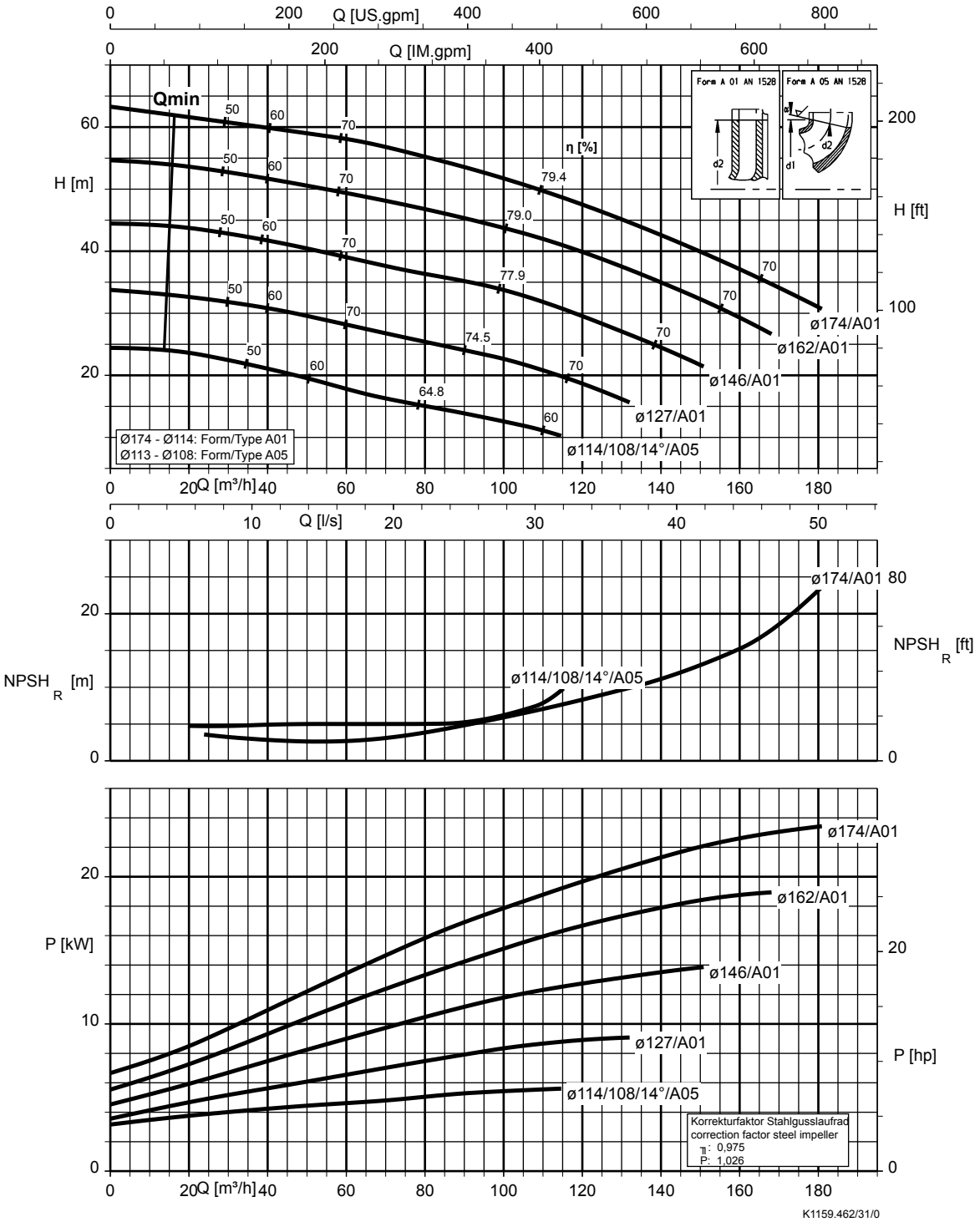
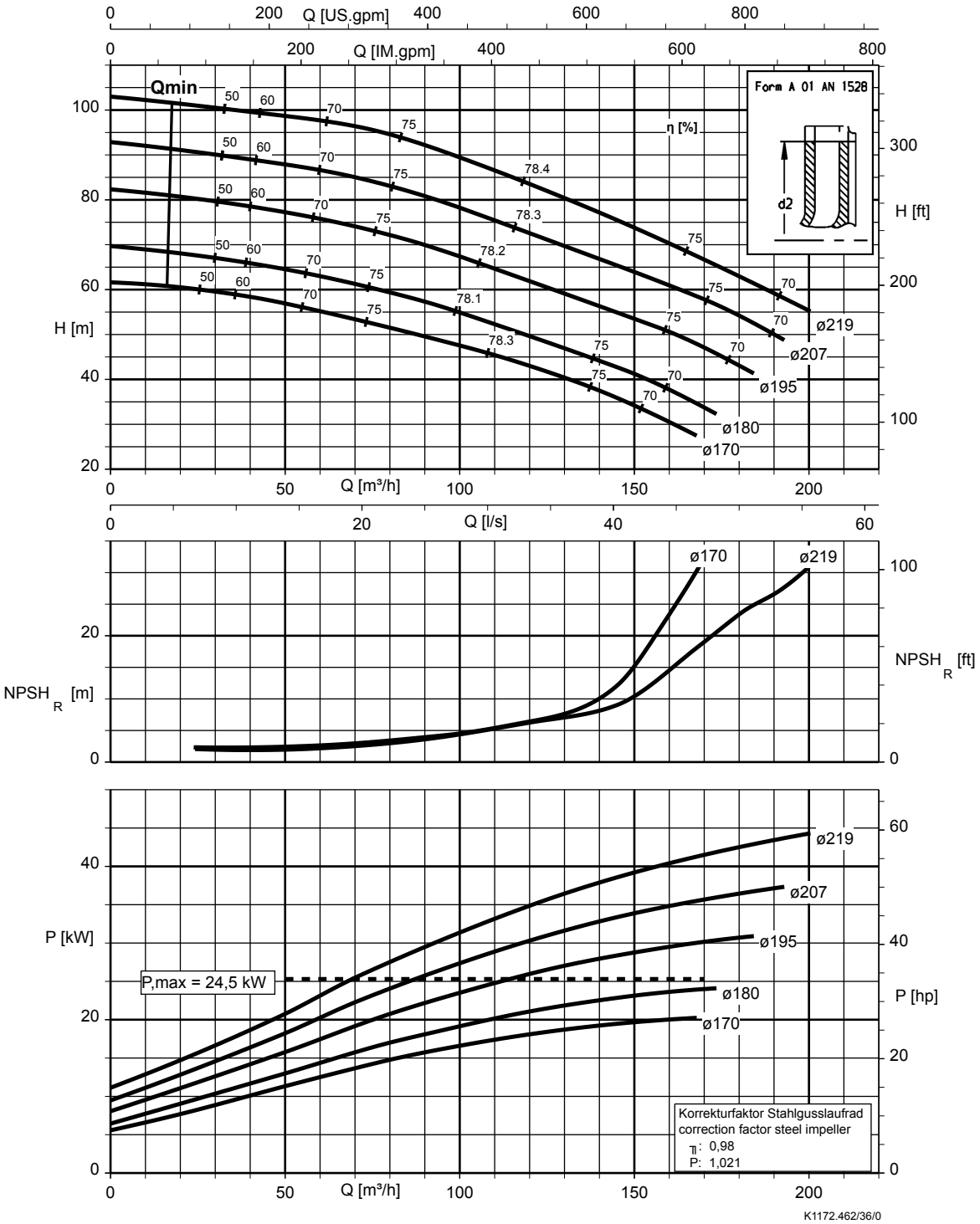


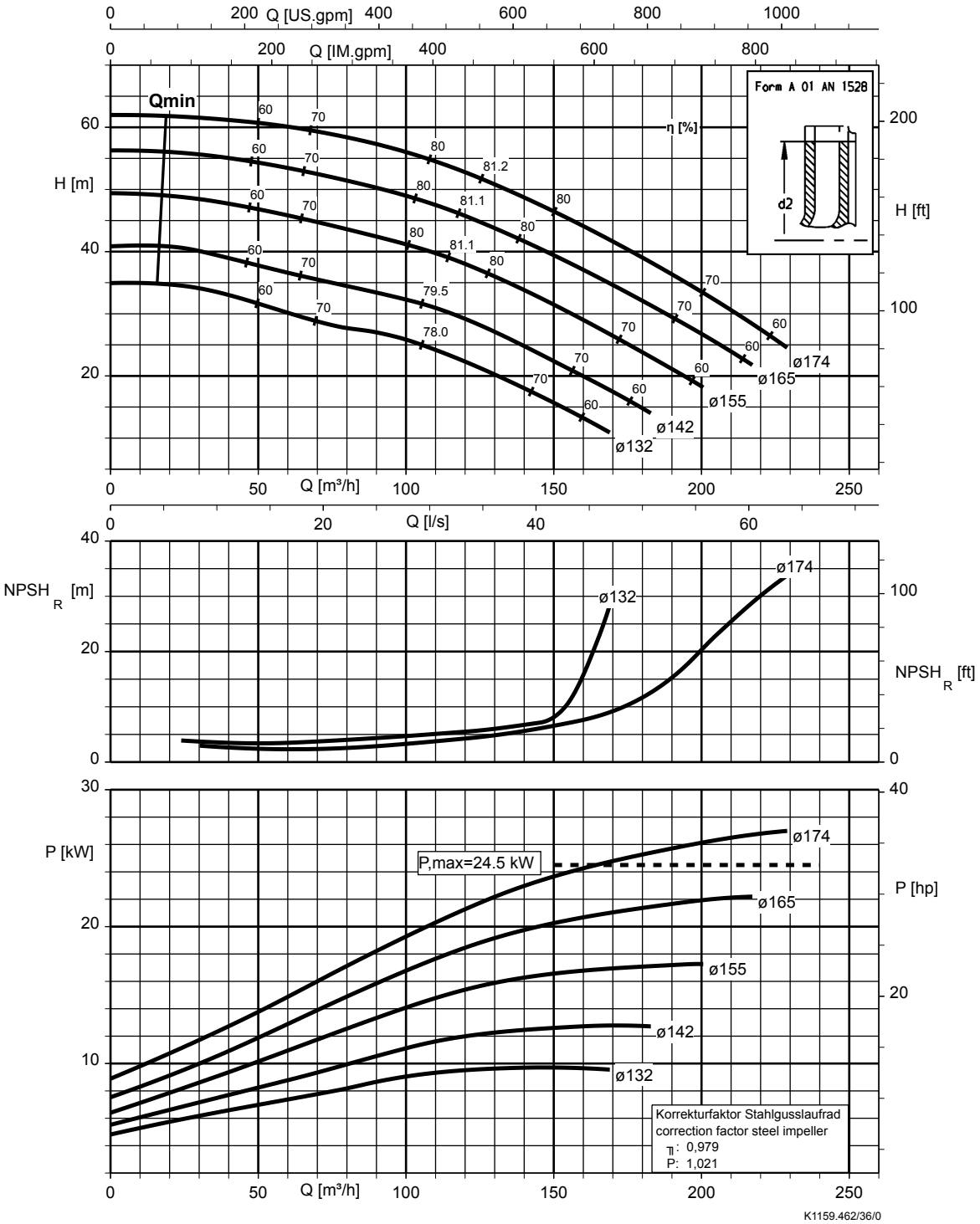
Etaline SYT 065-065-160, n = 3500 rpm



Etaline SYT 065-065-200, n = 3500 rpm

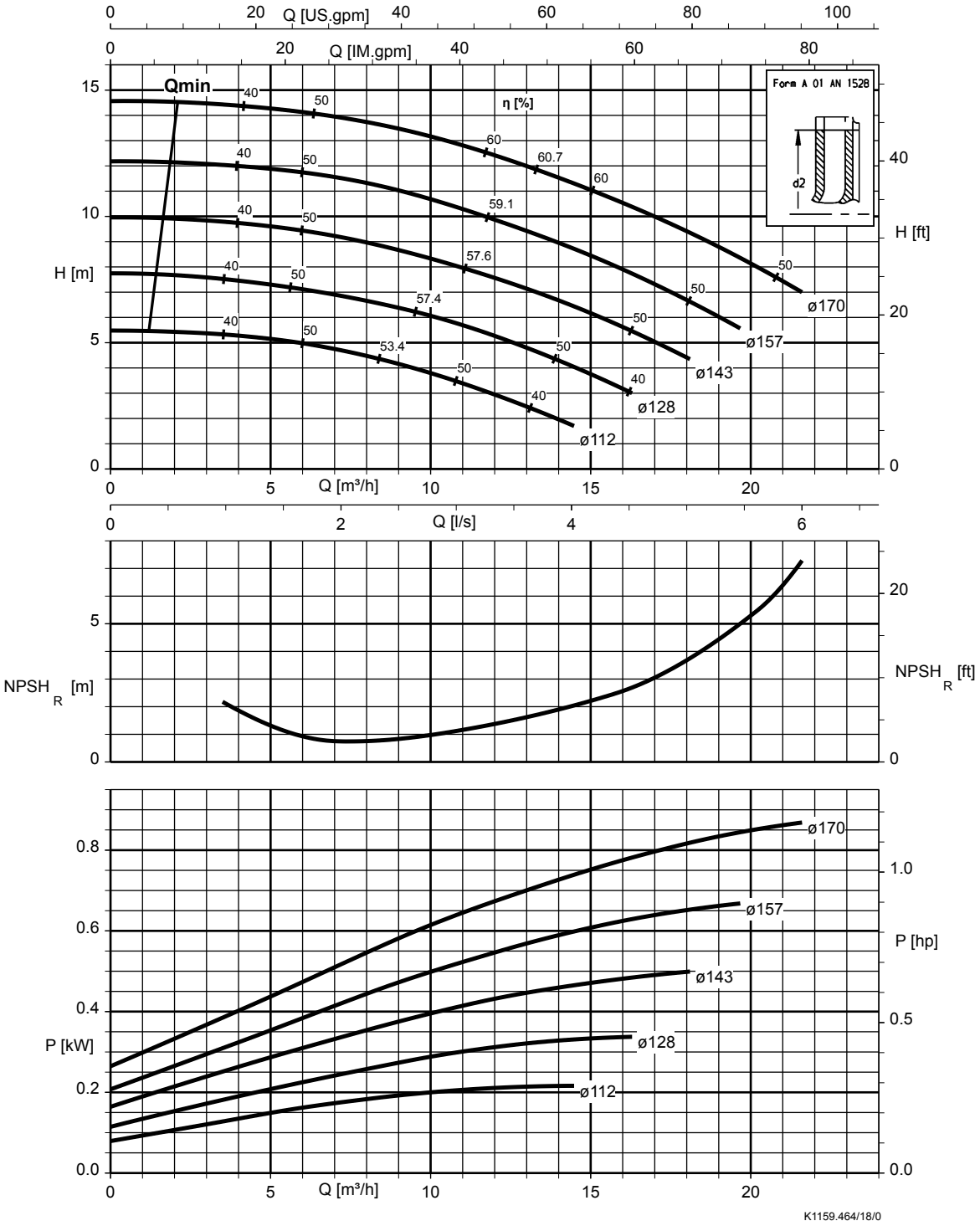


Etaline SYT 080-080-160, n = 3500 rpm

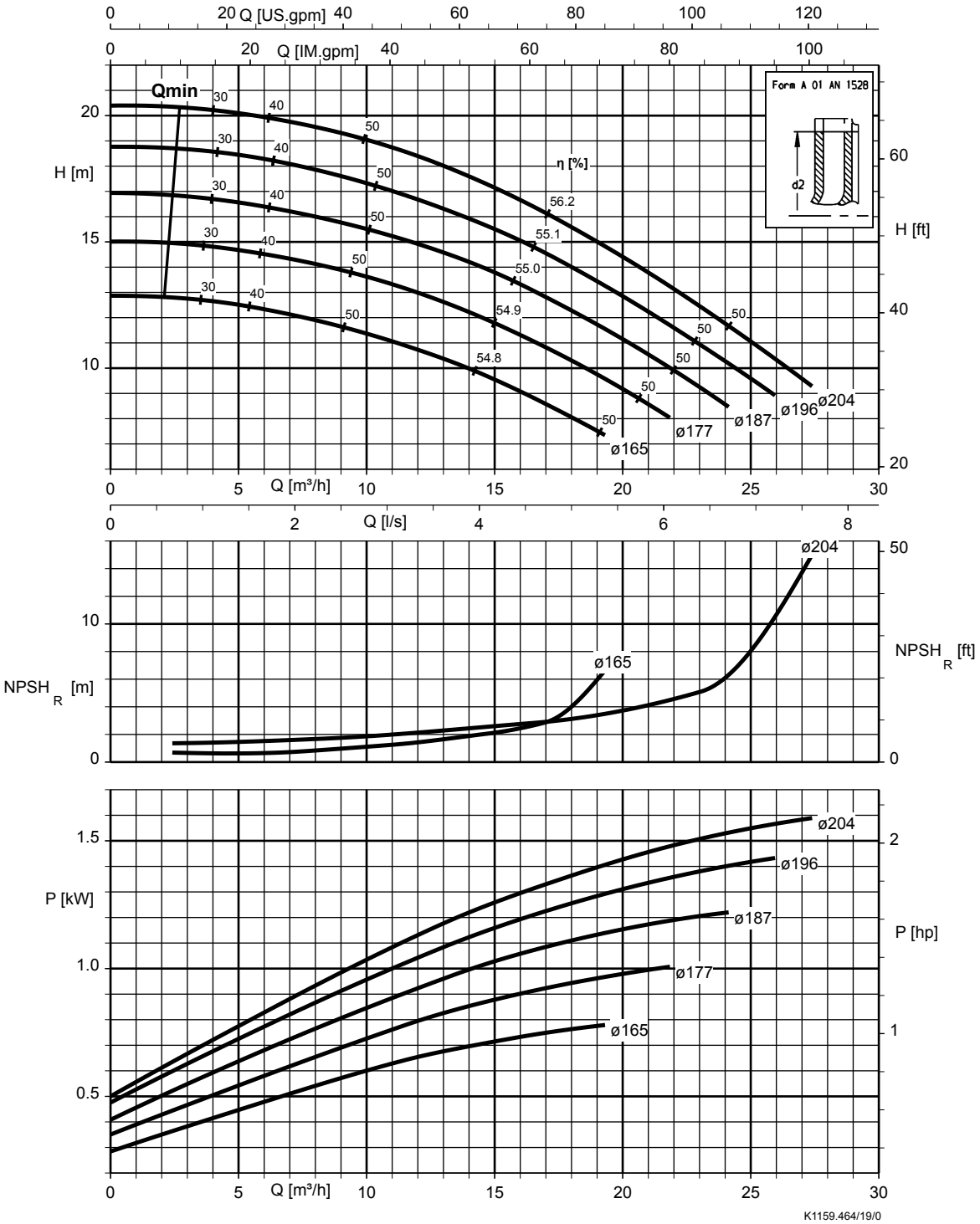


n = 1750 rpm

Etaline SYT 032-032-160, n = 1750 rpm



Etaline SYT 032-032-200, n = 1750 rpm



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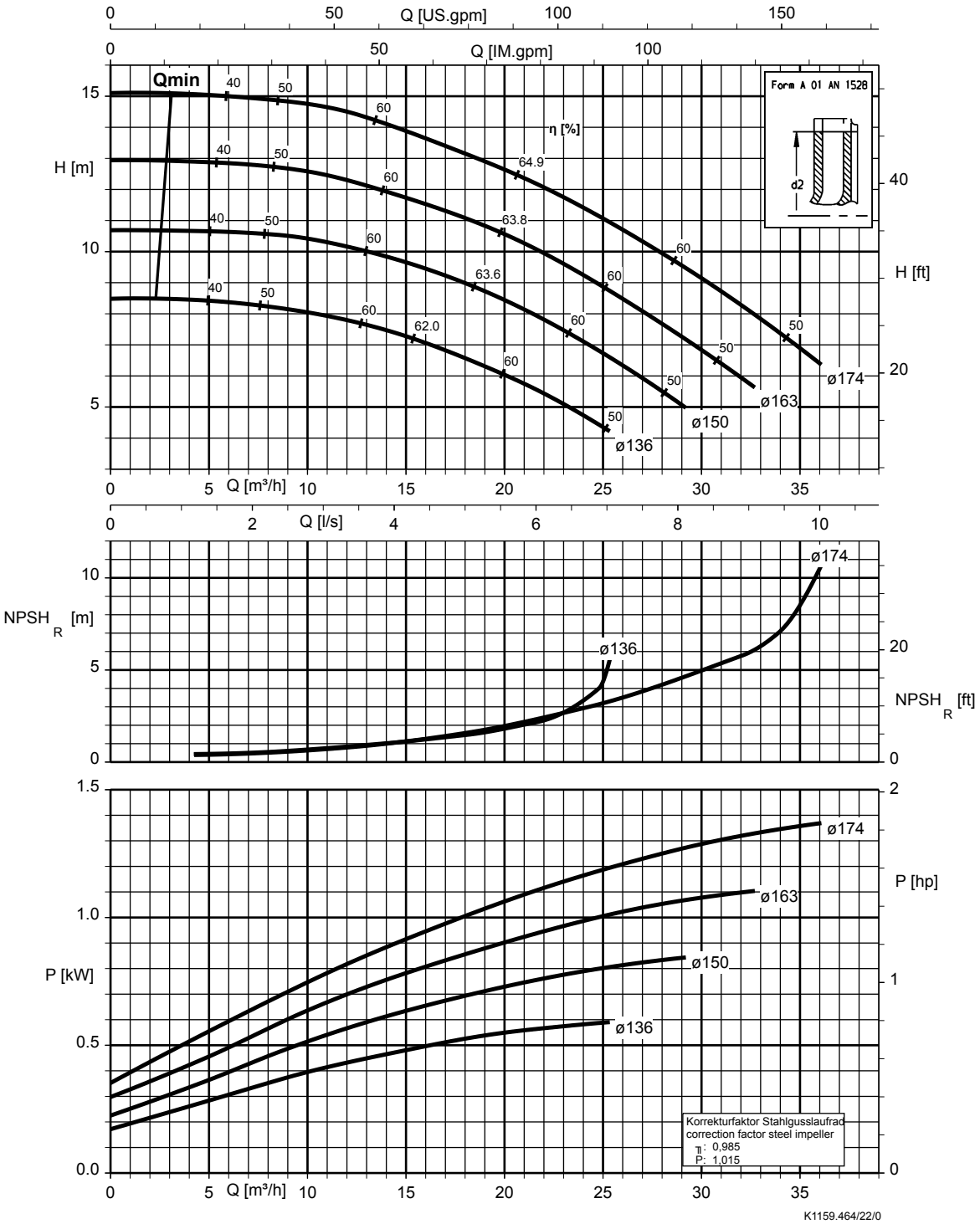
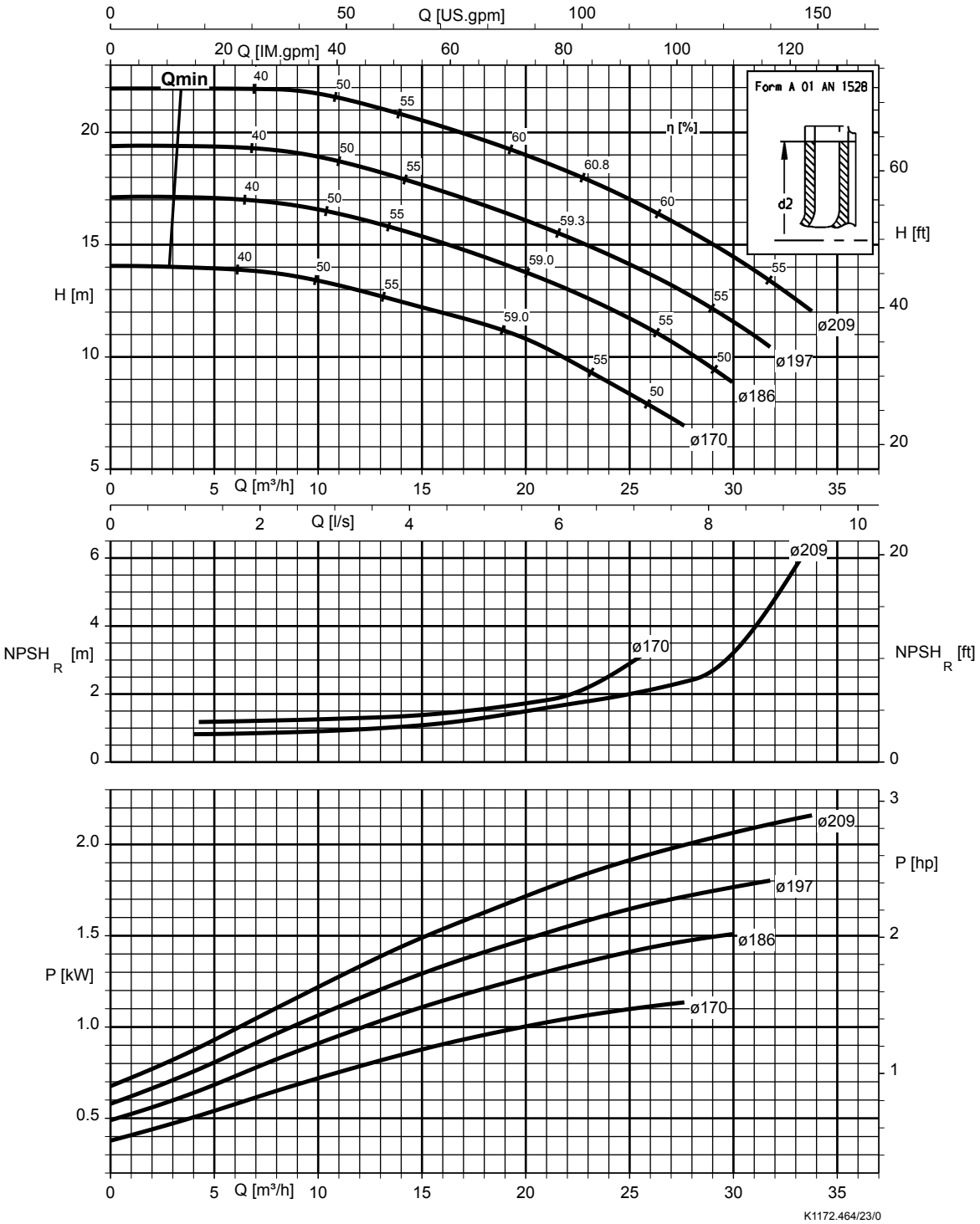
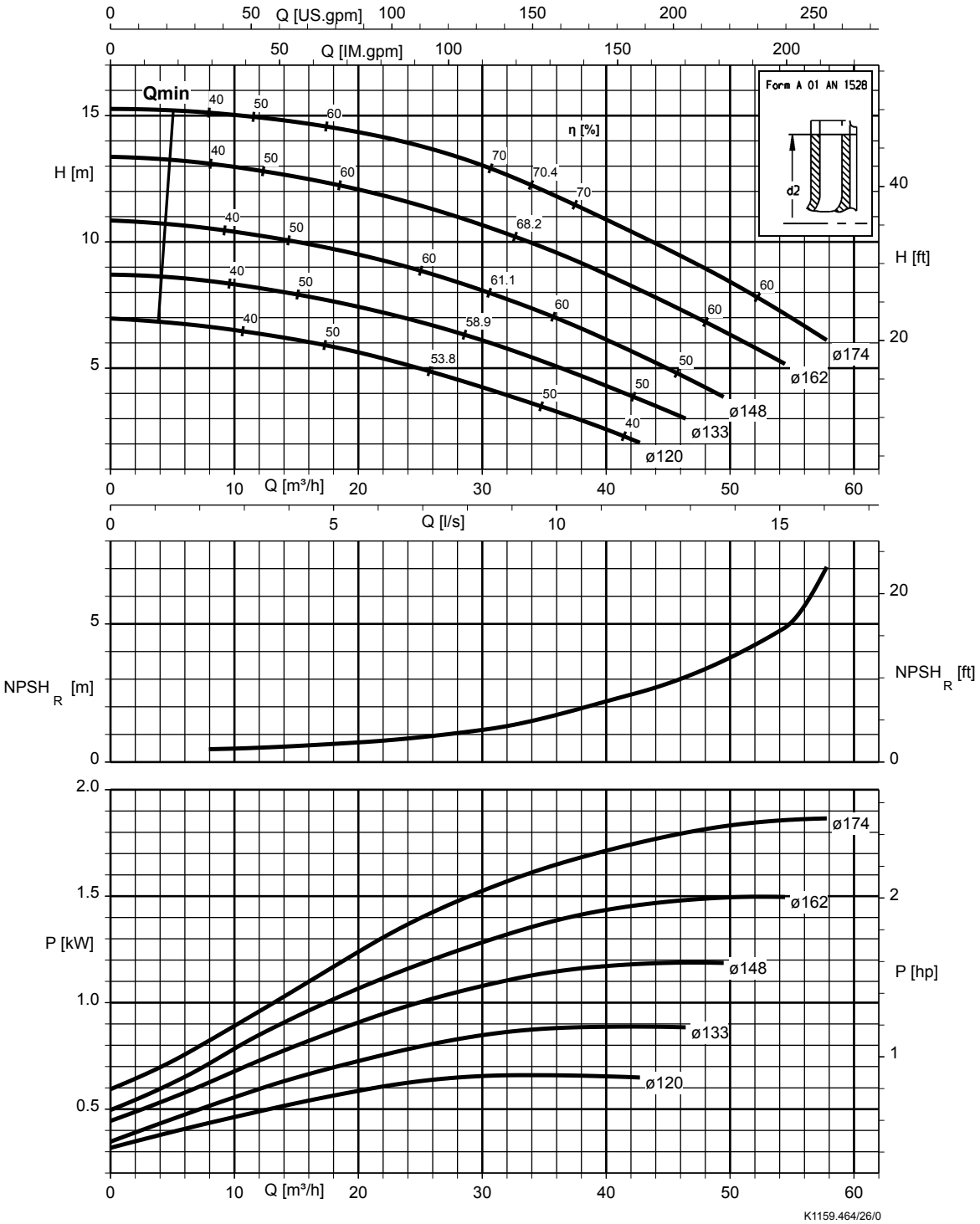


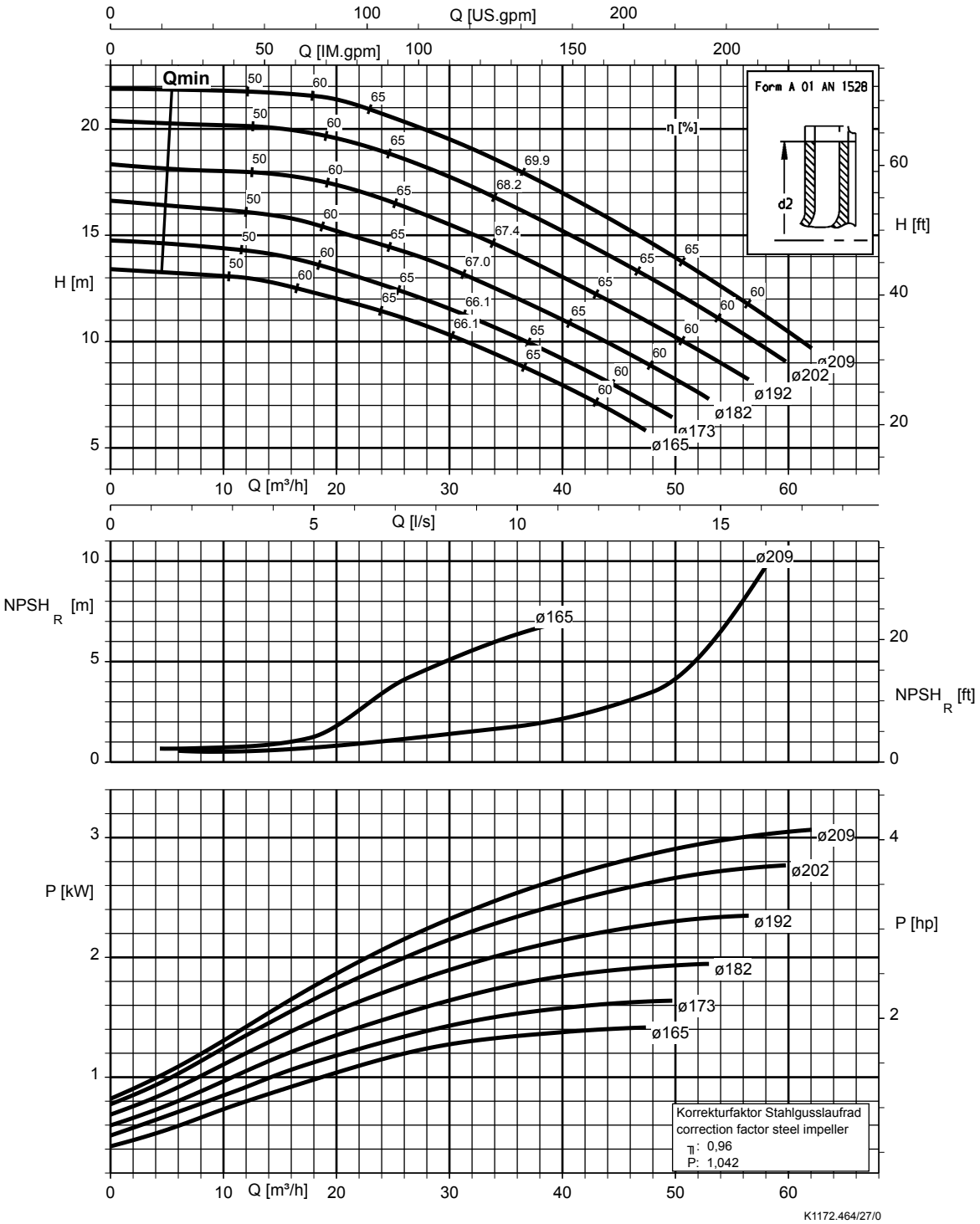
Etaline SYT 040-040-200, n = 1750 rpm



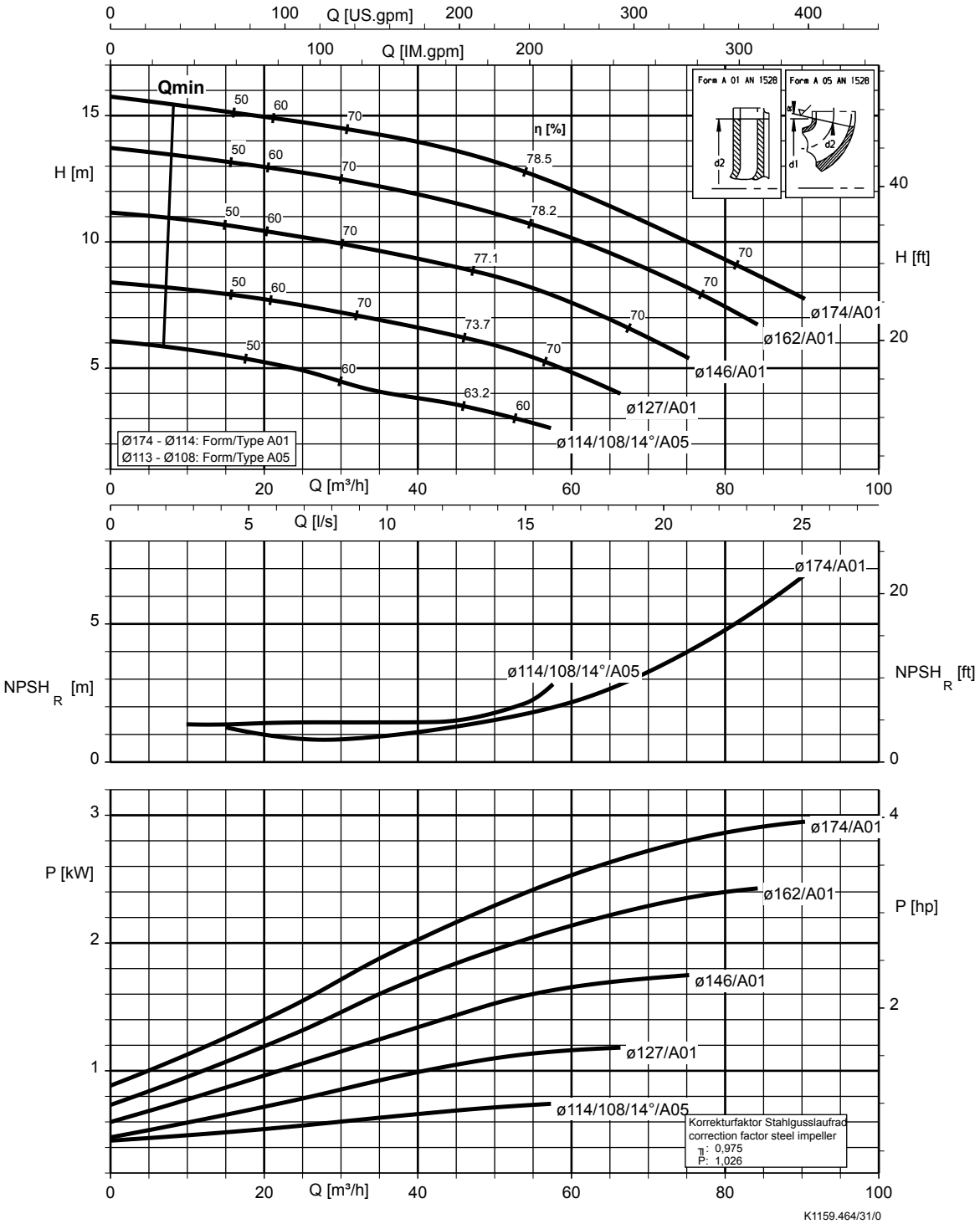
Etaline SYT 050-050-160, n = 1750 rpm



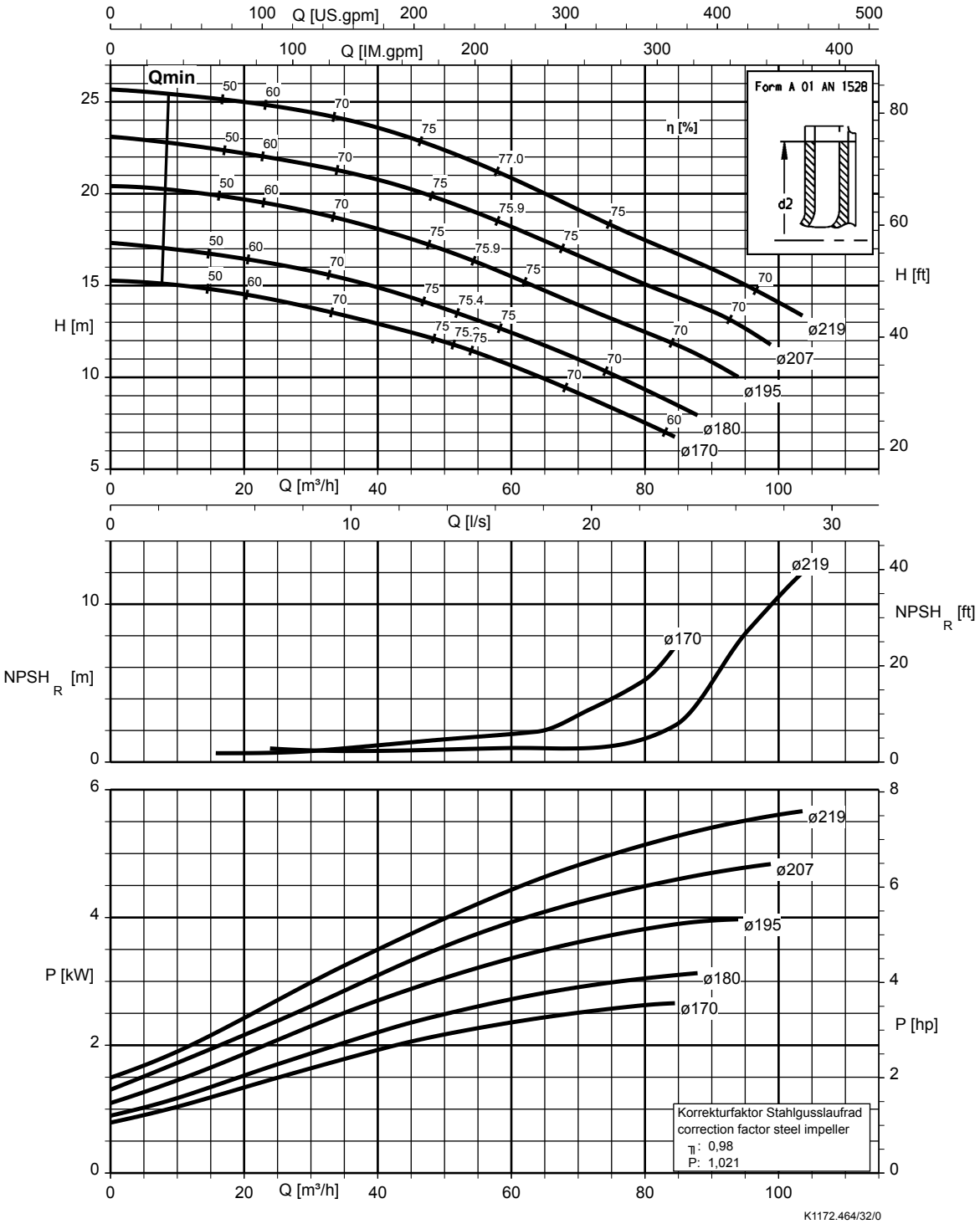
Etaline SYT 050-050-200, n = 1750 rpm



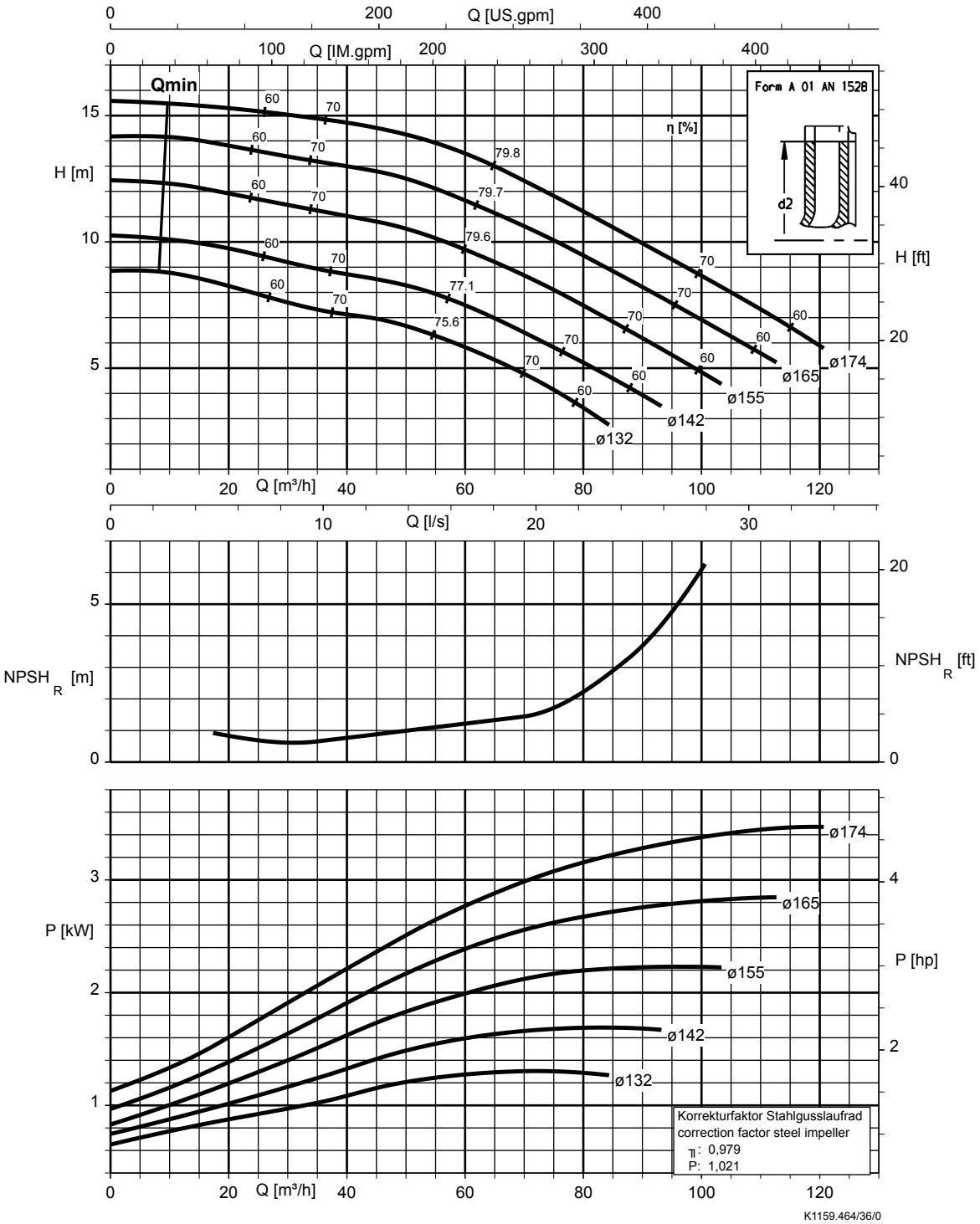
Etaline SYT 065-065-160, n = 1750 rpm



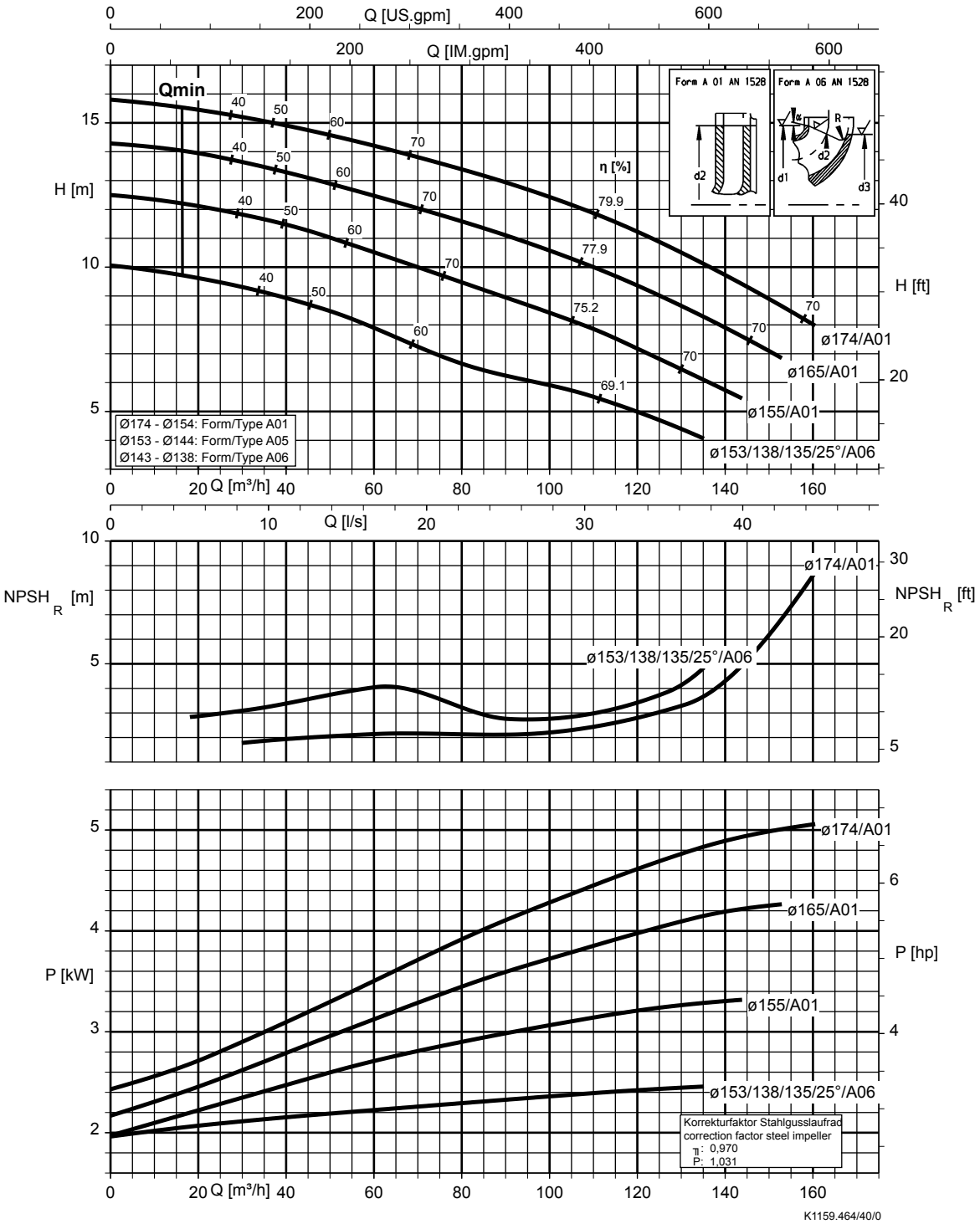
Etaline SYT 065-065-200, n = 1750 rpm



Etaline SYT 080-080-160, n = 1750 rpm



Etaline SYT 100-100-160, n = 1750 rpm



06/02/2018

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