

Submersible Motor Pump

Amarex KRT

50 Hz

Characteristic Curves Booklet



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Characteristic Curves Booklet Amarex KRT

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Amarex KRT K 400-632, n = 725 rpm	334
Amarex KRT K 401-710, n = 725 rpm	336
Amarex KRT K 500-634, n = 725 rpm	338
Amarex KRT K 501-900, n = 725 rpm	340
Amarex KRT K 600-520, n = 725 rpm	342
Amarex KRT K 600-710, n = 725 rpm	344
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Amarex KRT K 400-500, n = 580 rpm	352

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Waste Water

Submersible Motor Pump

Amarex KRT



- For installation types D and K (with cooling jacket) with motors UN/XN/YN an additional power reserve of 1.5 kW must always be added for the cooling circuit.

i In the case of waste water, too low a flow velocity in the discharge line will lead to clogging and increased wear. The minimum flow velocity required in vertical risers was determined experimentally as a function of the pipe diameter used and shown to be between 1.2 m/s for nominal size 100 and 2.4 m/s for nominal size 1000. For more information on flow velocities required in horizontal and vertical discharge lines refer to "KSB Know-how: Planning Information for Amarex KRT Submersible Motor Pumps".

i In the case of waste water, too low a circumferential speed of the impeller will lead to clogging of the hydraulic system (operation on a frequency inverter). A minimum circumferential speed (measured at the impeller diameter) of 12 m/s must be observed.²⁾

Related documents

Document	Reference number
Type series booklet	2553.5

Selection information

- The indicated heads and performance data apply to material variant G, for fluids with a density $\rho = 1 \text{ kg/dm}^3$ and a kinematic viscosity $\nu \leq 20 \text{ mm}^2/\text{s}$.

Impeller type

- S, F, E, and D impellers can only be supplied with the documented impeller diameters. Indicate the pump set designation and the impeller diameter in the purchase order.
- Impellers K and D-max are trimmed to the duty point. Indicate the H/Q data or the impeller diameter in the purchase order. In the hydraulic selection program, the impeller diameter is automatically computed based on the H/Q data and added to the designation of the pump set.

Pump input power

- Adjust the power input to the density of the fluid handled:
 $P_2 (\text{required}) = \rho [\text{kg/dm}^3] (\text{fluid handled}) \times P_2 (\text{documented})$
- Select the operating point with the largest power input within an operating range. Select a motor size providing a power reserve to compensate the tolerances in the system characteristic / pump characteristic.

Recommended motor power reserve¹⁾

P ₂ [kW]	Reserve	
	Mains operation	With frequency inverter
≤ 30	10 %	15 %
> 30	5 %	10 %

¹ If larger power reserves are stipulated by local regulations, these larger reserves must be provided.

² For F impellers, a circumferential speed below 12 m/s is permissible.

Designation

Example: Amarex KRT K 150-503/155 4 UN G-D IE3

Designation key

Code	Description
Amarex KRT	Type series
K	Impeller type
	S/S-max Impeller with cutter
	F/F-max Vortex impeller
	E/E-max Closed single-channel impeller
	D/D-max Open, diagonal single-vane impeller / open, radial multi-vane impeller
	K/K-max Closed multi-channel impeller
150	Nominal discharge nozzle diameter [mm]
503	Maximum nominal impeller diameter [mm]
155	Motor size
4	Number of motor poles
UN	Motor version
	UN/UE Non-explosion-proof, for fluid temperatures of up to 40 °C ³⁾
	UF Non-explosion-proof, for fluid temperatures of up to 40 °C, ambient temperatures of up to 55 °C
	WN/WE Non-explosion-proof, for fluid temperatures of up to 60 °C ³⁾
	XN/XE Explosion protection Ⓢ II2G Ex db h IIB T3 Gb, for fluid temperatures of up to 40 °C ³⁾
	XF Explosion protection Ⓢ II2G Ex db h IIB T3 Gb, for fluid temperatures of up to 40 °C, ambient temperatures of up to 55 °C
	YN/YE Explosion protection Ⓢ II2G Ex db h IIB T4 Gb, for fluid temperatures of up to 40 °C ³⁾
	ZN/ZE Explosion protection Ⓢ II2G Ex db h IIB T3 Gb, for fluid temperatures of up to 60 °C ³⁾
G	Material variant
	G Standard variant, grey cast iron
	G1 Like G, impeller made of duplex stainless steel
	G2 Like G, impeller made of white cast iron
	GH Like G, impeller and discharge cover made of white cast iron
	H Wetted components made of white cast iron
	C1 Wetted parts made of duplex stainless steel, mechanical seal with elastomer bellows, bolts/screws made of A4
	C2 Wetted parts made of duplex stainless steel, mechanical seal with covered spring, bolts/screws made of 1.4462
D	Installation type
	D Stationary dry installation, vertical (S1 duty)
	H Stationary dry installation, horizontal (S1 duty)
	K Stationary wet installation (S1 duty with motor outside of the fluid possible) with guide wire arrangement or guide rail arrangement
	S Stationary wet installation (S1 duty with submerged motor) with guide wire arrangement or guide rail arrangement
	P Wet installation of transportable model (S1 duty with submerged motor)
IE3	Motor efficiency classification ⁴⁾
	⁵⁾ No efficiency classification
	IE3 Premium Efficiency

³⁾ Maximum fluid temperature and ambient temperature

⁴⁾ The IEC 60034-30 standard is not binding for submersible motor pumps. Efficiencies are calculated / determined by analogy with the measurement method specified in IEC 60034-2. The marking is used for submersible motors that achieve efficiency levels similar to those of standardised motors acc. to the IEC 60034-30 standard.3759

⁵⁾ Blank

Overview of sizes

Overview of sizes for Amarex KRT 50 Hz - speeds 2900, 1450, 960

Size	Speed [rpm]														
	2900					1450					960				
	Impeller type					Impeller type					Impeller type				
	S / S-max	F / F-max	E / E-max	D / D-max	K / K-max	S / S-max	F / F-max	E / E-max	D / D-max	K / K-max	S / S-max	F / F-max	E / E-max	D / D-max	K / K-max
40-252	⇒ 24	⇒ 30	-	-	⇒ 202	-	⇒ 48	-	-	⇒ 208	-	-	-	-	-
50-215	-	⇒ 32	-	-	-	-	⇒ 50	-	-	-	-	-	-	-	-
50-216	⇒ 26	⇒ 34	-	-	-	-	⇒ 52	-	-	-	-	-	-	-	-
65-215	-	⇒ 36	-	-	-	-	⇒ 54	-	-	-	-	-	-	-	-
65-216	-	-	⇒ 80	-	-	-	-	⇒ 84	-	-	-	-	-	-	-
65-217	-	⇒ 38	-	-	-	-	⇒ 56	-	-	-	-	-	-	-	-
65-253	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
80-215	-	⇒ 40	-	-	-	-	⇒ 58	-	-	-	-	-	-	-	-
80-216	-	⇒ 42	⇒ 82	-	-	-	⇒ 60	⇒ 86	-	-	-	-	-	-	-
80-252	-	-	-	-	-	-	⇒ 62	-	-	-	-	-	-	-	-
80-253	-	⇒ 44	-	-	⇒ 204	-	-	⇒ 88	-	-	-	-	-	-	-
80-315	-	-	-	⇒ 114	⇒ 206	-	-	-	⇒ 120	⇒ 210	-	-	-	-	-
80-317	-	⇒ 46	-	⇒ 116	-	-	-	-	⇒ 122	-	-	-	-	-	-
100-215	-	-	-	-	-	-	⇒ 64	-	-	-	-	-	-	-	-
100-253	-	-	-	-	-	-	-	⇒ 90	⇒ 124	⇒ 212	-	-	⇒ 104	-	-
100-254	-	-	-	-	-	-	⇒ 66	-	-	⇒ 214	-	-	-	-	-
100-315	-	-	-	⇒ 118	-	-	-	⇒ 92	-	-	-	-	-	-	-
100-316	-	-	-	-	-	-	⇒ 68	-	⇒ 126	-	-	-	-	-	-
100-317	-	-	-	-	-	-	-	⇒ 94	-	-	-	-	-	-	-
100-400	-	-	-	-	-	-	-	-	-	⇒ 218	-	-	-	-	⇒ 254
100-401	-	-	-	-	-	-	⇒ 70	⇒ 96	-	⇒ 220	-	-	-	-	-
100-403	-	-	-	-	-	-	-	-	⇒ 154	-	-	-	-	⇒ 170	-
150-253	-	-	-	-	-	-	-	-	⇒ 128	-	-	-	-	-	-
150-315	-	-	-	-	-	-	-	-	⇒ 130	-	-	⇒ 74	-	⇒ 144	-
150-317	-	-	-	-	-	-	-	⇒ 98	⇒ 156	-	-	-	⇒ 106	⇒ 172	⇒ 256
150-400	-	-	-	-	-	-	-	-	⇒ 132	⇒ 224	-	-	-	-	⇒ 258
150-401	-	-	-	-	-	-	⇒ 72	⇒ 100	⇒ 134	-	-	⇒ 76	⇒ 108	⇒ 174	-
150-403	-	-	-	-	-	-	-	-	⇒ 158	⇒ 226	-	-	-	-	⇒ 260
150-503	-	-	-	-	-	-	-	-	⇒ 160	⇒ 228	-	-	-	-	-
151-403	-	-	-	-	-	-	-	-	-	⇒ 230	-	-	-	-	⇒ 262
200-315	-	-	-	-	-	-	-	-	⇒ 136	-	-	-	-	⇒ 146	⇒ 264
200-316	-	-	-	-	-	-	-	-	-	-	-	-	-	-	⇒ 266
200-317	-	-	-	-	-	-	-	-	-	⇒ 232	-	-	-	-	⇒ 268
200-318	-	-	-	-	-	-	-	-	-	⇒ 234	-	-	-	-	⇒ 270
200-400	-	-	-	-	-	-	-	-	⇒ 138	-	-	-	-	-	-
200-401	-	-	-	-	-	-	-	⇒ 102	-	-	-	-	⇒ 110	-	-
200-402	-	-	-	-	-	-	-	-	⇒ 162	⇒ 236	-	-	-	⇒ 176	⇒ 272
200-403	-	-	-	-	-	-	-	-	-	⇒ 238	-	-	-	-	⇒ 274
200-405	-	-	-	-	-	-	-	-	⇒ 164	-	-	-	-	⇒ 178	-
200-502	-	-	-	-	-	-	-	-	-	⇒ 240	-	-	-	-	-
200-503	-	-	-	-	-	-	-	-	⇒ 166	⇒ 242	-	-	-	-	⇒ 276
250-400	-	-	-	-	-	-	-	-	⇒ 140	-	-	-	-	⇒ 148	-
250-401	-	-	-	-	-	-	-	-	-	⇒ 244	-	-	-	-	⇒ 278

Size	Speed [rpm]														
	2900					1450					960				
	Impeller type					Impeller type					Impeller type				
	S / S-max	F / F-max	E / E-max	D / D-max	K / K-max	S / S-max	F / F-max	E / E-max	D / D-max	K / K-max	S / S-max	F / F-max	E / E-max	D / D-max	K / K-max
250-402	-	-	-	-	-	-	-	-	⇨ 168	-	-	-	-	⇨ 180	-
250-403	-	-	-	-	-	-	-	-	-	⇨ 246	-	-	-	-	⇨ 280
250-632	-	-	-	-	-	-	-	-	-	-	-	-	-	-	⇨ 282
250-900	-	-	-	-	-	-	-	-	-	-	-	-	-	-	⇨ 284
300-400	-	-	-	-	-	-	-	-	-	-	-	-	-	⇨ 150	⇨ 286
300-401	-	-	-	-	-	-	-	-	-	-	-	-	-	-	⇨ 288
300-402	-	-	-	-	-	-	-	-	-	-	-	-	-	⇨ 182	-
300-403	-	-	-	-	-	-	-	-	-	⇨ 248	-	-	-	-	⇨ 290
300-420	-	-	-	-	-	-	-	-	-	⇨ 250	-	-	-	-	-
300-500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	⇨ 292
300-502	-	-	-	-	-	-	-	-	-	-	-	-	-	⇨ 184	-
300-505	-	-	-	-	-	-	-	-	-	⇨ 252	-	-	-	⇨ 186	⇨ 294
350-500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	⇨ 296
350-502	-	-	-	-	-	-	-	-	-	-	-	-	-	⇨ 188	-
350-503	-	-	-	-	-	-	-	-	-	-	-	-	-	⇨ 190	⇨ 298
350-632	-	-	-	-	-	-	-	-	-	-	-	-	-	-	⇨ 300
350-633	-	-	-	-	-	-	-	-	-	-	-	-	-	-	⇨ 302
350-710	-	-	-	-	-	-	-	-	-	-	-	-	-	-	⇨ 304
350-713	-	-	-	-	-	-	-	-	-	-	-	-	-	-	⇨ 306
400-500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	⇨ 308
400-630	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
400-632	-	-	-	-	-	-	-	-	-	-	-	-	-	-	⇨ 310
401-710	-	-	-	-	-	-	-	-	-	-	-	-	-	-	⇨ 314
401-713	-	-	-	-	-	-	-	-	-	-	-	-	-	-	⇨ 316
400-900	-	-	-	-	-	-	-	-	-	-	-	-	-	-	⇨ 312
500-634	-	-	-	-	-	-	-	-	-	-	-	-	-	-	⇨ 318
501-710	-	-	-	-	-	-	-	-	-	-	-	-	-	-	⇨ 320
501-900	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
600-520	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
600-710	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
700-901	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
700-902	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

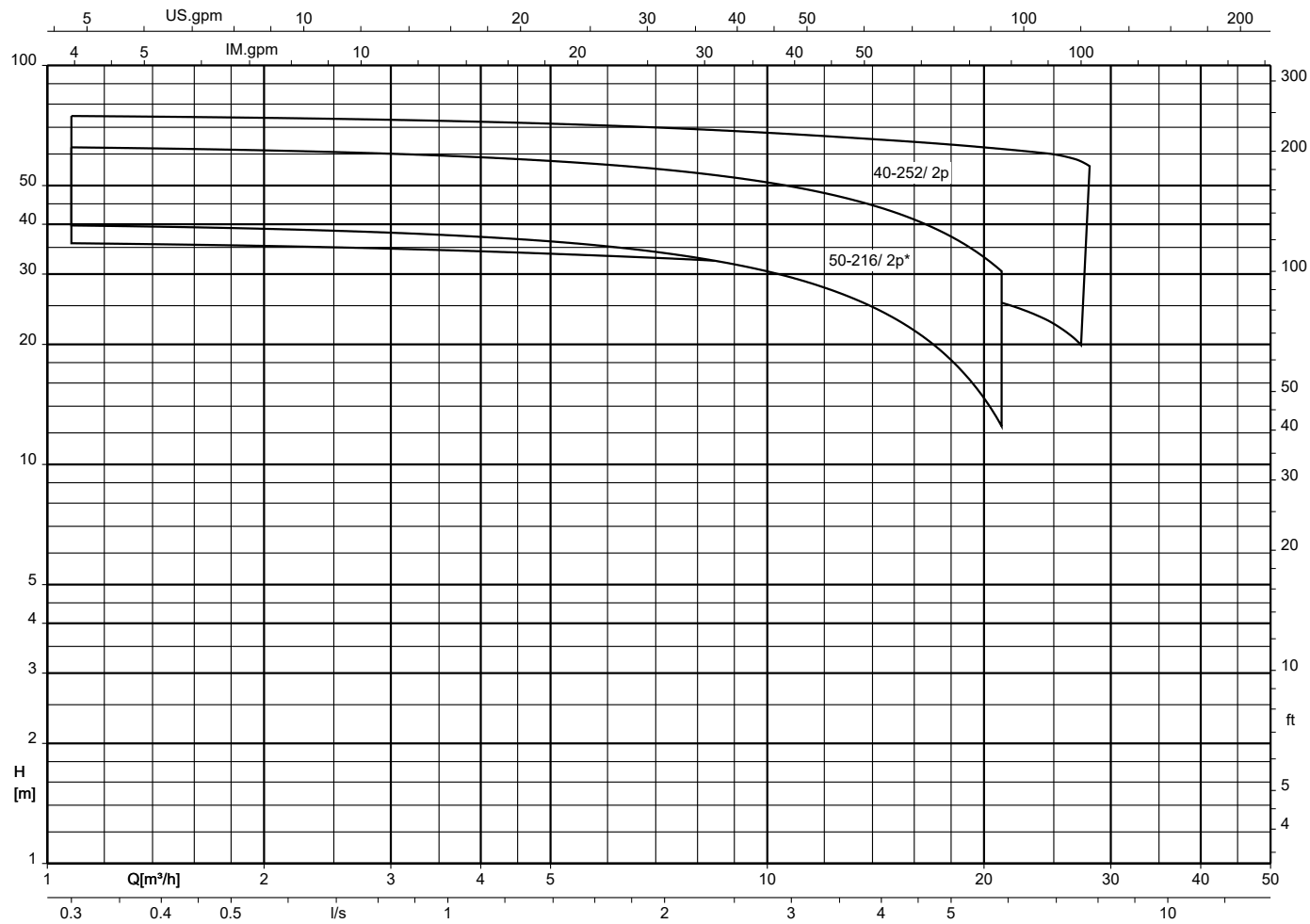
Overview of sizes for Amarex KRT 50 Hz - speeds 725, 580, 480

Size	Speed [rpm]														
	725					580					480				
	Impeller type					Impeller type					Impeller type				
	S / S-max	F / F-max	E / E-max	D / D-max	K / K-max	S / S-max	F / F-max	E / E-max	D / D-max	K / K-max	S / S-max	F / F-max	E / E-max	D / D-max	K / K-max
40-252	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50-215	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50-216	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
65-215	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
65-216	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
65-217	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
65-253	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
80-215	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
80-216	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
80-252	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
80-253	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
80-315	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
80-317	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100-215	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100-253	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100-254	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100-315	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100-316	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100-317	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100-400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100-401	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
150-253	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
150-315	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
150-317	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
150-400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
150-401	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
150-403	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
150-503	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
151-403	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
200-315	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
200-400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
200-401	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
200-315	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
200-316	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
200-317	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
200-318	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
200-402	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
200-403	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
200-502	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
200-503	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250-400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250-401	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250-402	-	-	-	⇒ 192	-	-	-	-	-	-	-	-	-	-	-
250-403	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250-632	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

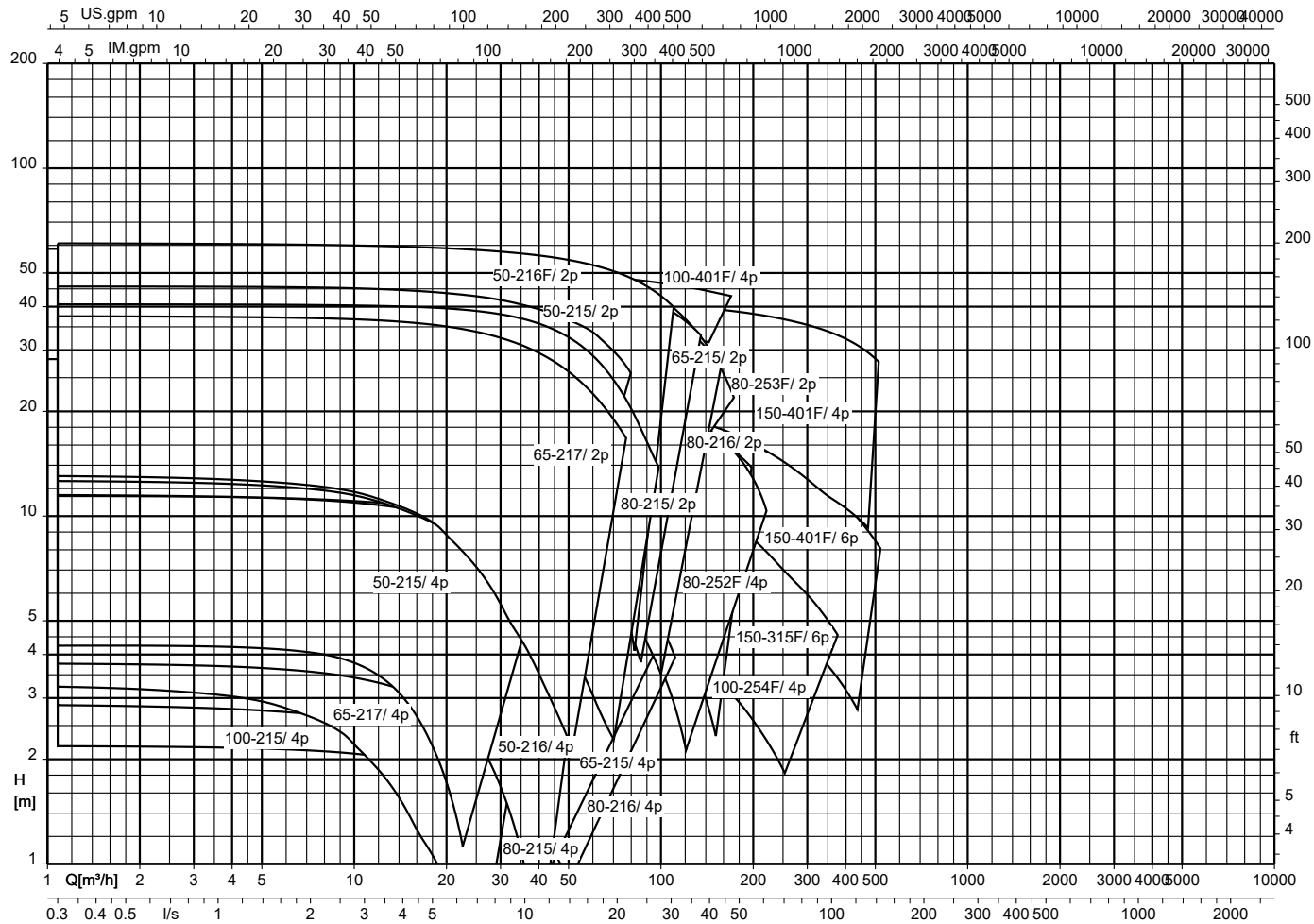
Size	Speed [rpm]														
	725					580					480				
	Impeller type					Impeller type					Impeller type				
	S / S-max	F / F-max	E / E-max	D / D-max	K / K-max	S / S-max	F / F-max	E / E-max	D / D-max	K / K-max	S / S-max	F / F-max	E / E-max	D / D-max	K / K-max
250-900	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300-400	-	-	-	-	⇒ 322	-	-	-	-	-	-	-	-	-	-
300-401	-	-	-	-	⇒ 324	-	-	-	-	-	-	-	-	-	-
300-402	-	-	-	⇒ 194	-	-	-	-	-	-	-	-	-	-	-
300-403	-	-	-	-	⇒ 326	-	-	-	-	-	-	-	-	-	-
300-420	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300-500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300-505	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
350-500	-	-	-	-	⇒ 328	-	-	-	-	-	-	-	-	-	-
350-502	-	-	-	⇒ 196	-	-	-	-	-	-	-	-	-	-	-
350-503	-	-	-	⇒ 198	⇒ 330	-	-	-	-	⇒ 350	-	-	-	-	-
350-632	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
350-633	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
350-710	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
350-713	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
400-500	-	-	-	-	⇒ 332	-	-	-	-	⇒ 352	-	-	-	-	-
400-630	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
400-632	-	-	-	-	⇒ 334	-	-	-	-	-	-	-	-	-	-
401-710	-	-	-	-	⇒ 336	-	-	-	-	-	-	-	-	-	-
401-713	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
400-900	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
500-634	-	-	-	-	⇒ 338	-	-	-	-	⇒ 354	-	-	-	-	-
501-710	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
501-900	-	-	-	-	⇒ 340	-	-	-	-	⇒ 356	-	-	-	-	-
600-520	-	-	-	-	⇒ 342	-	-	-	-	-	-	-	-	-	-
600-710	-	-	-	-	⇒ 344	-	-	-	-	⇒ 358	-	-	-	-	-
700-901	-	-	-	-	⇒ 346	-	-	-	-	⇒ 360	-	-	-	-	-
700-902	-	-	-	-	-	-	-	-	-	⇒ 362	-	-	-	-	⇒ 364

Selection charts

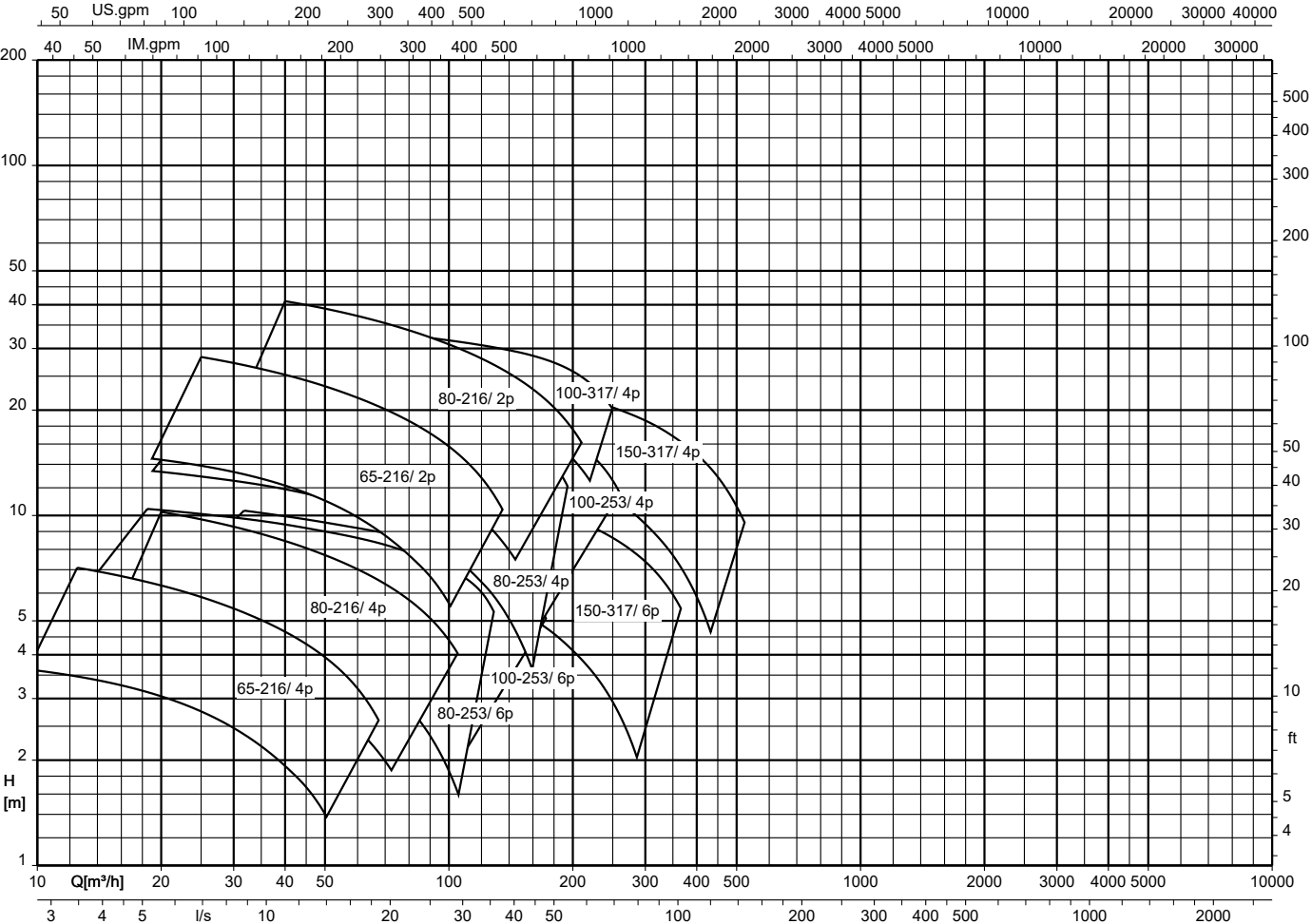
Amarex KRT S + *S-max, n = 2900 rpm



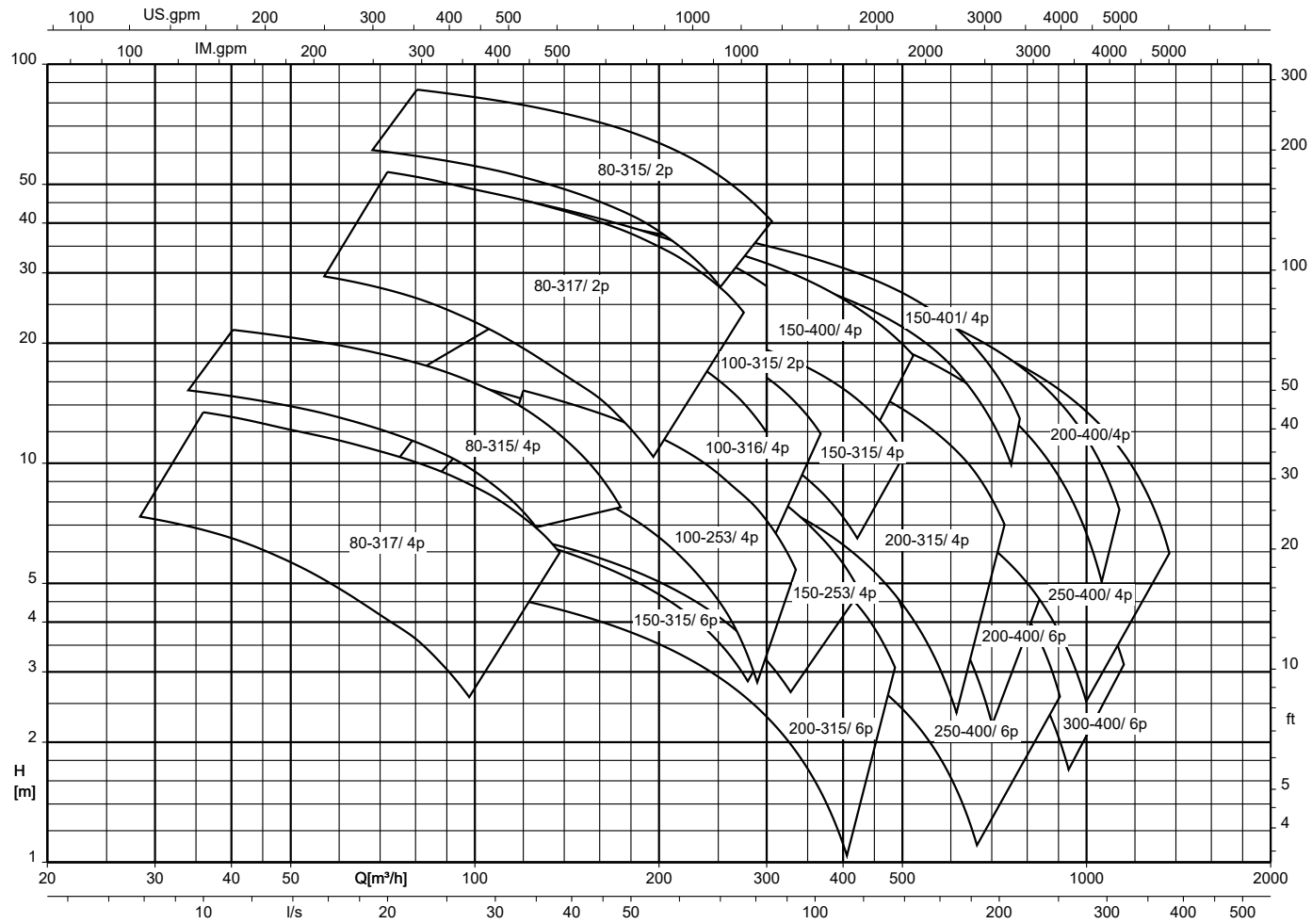
Amarex KRT F + *F-max, n = 2900/1450/960 rpm



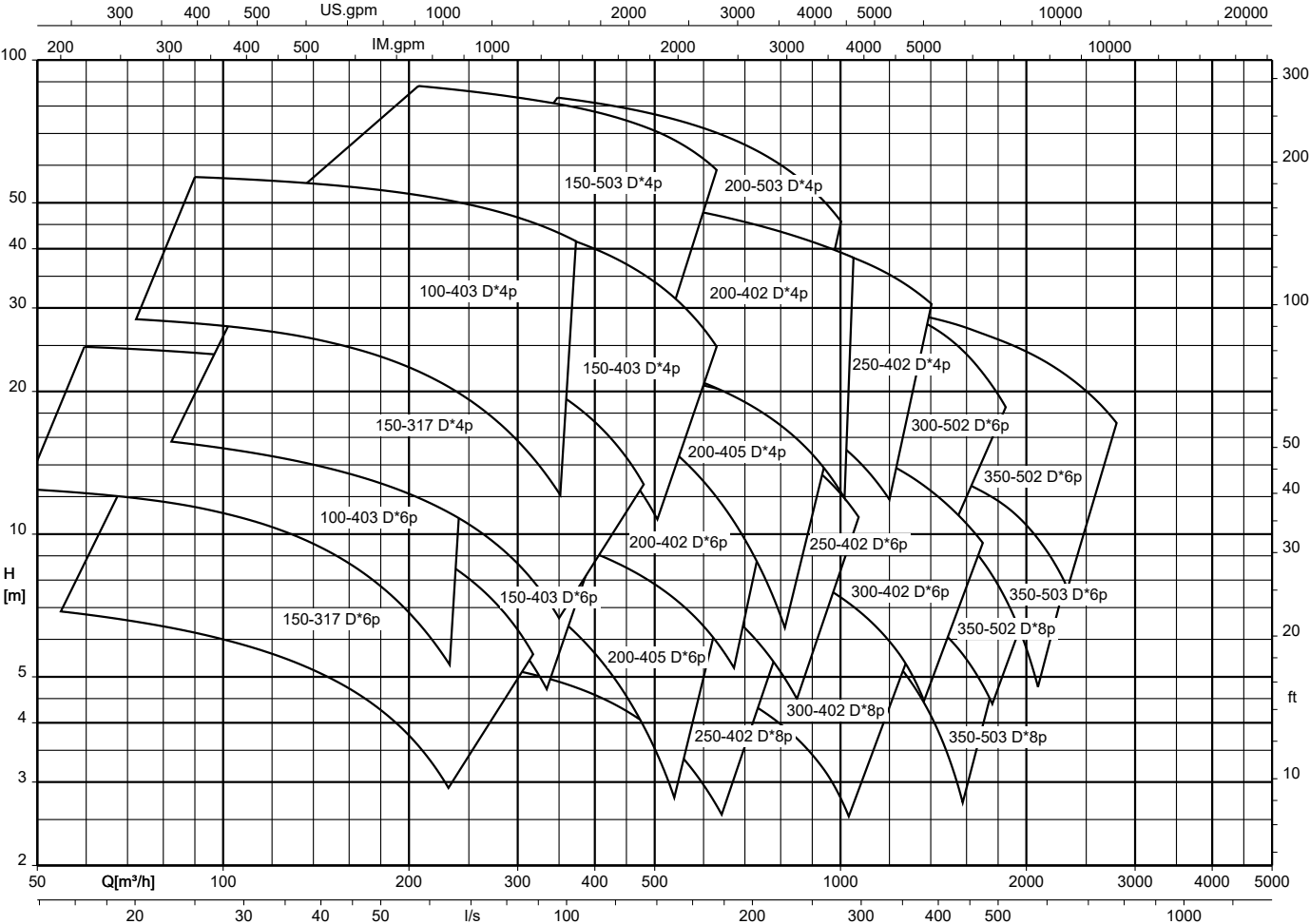
Amarex KRT E + *E-max, n = 2900/1450/960 rpm



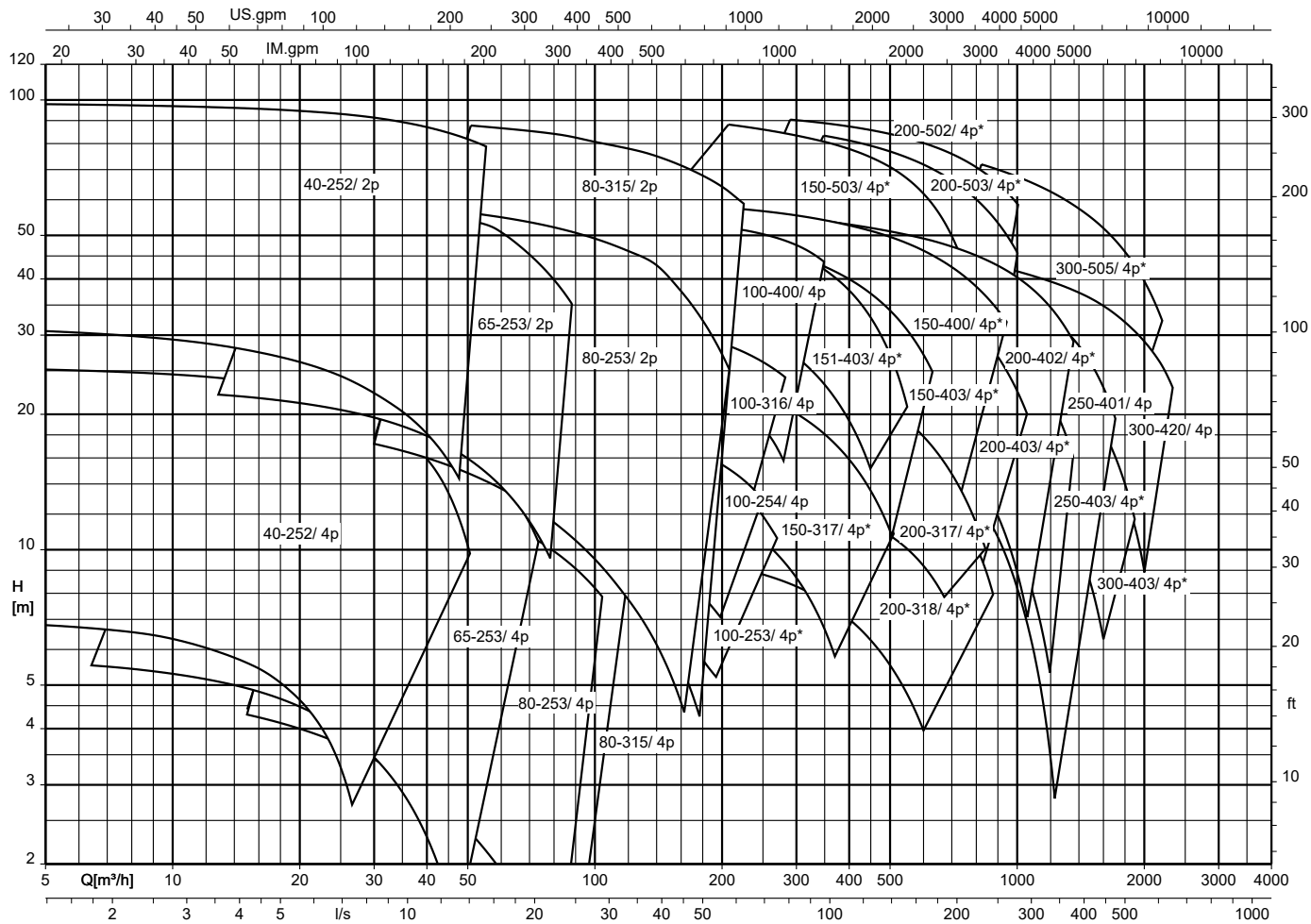
Amarex KRT D, n = 2900/1450/960 rpm



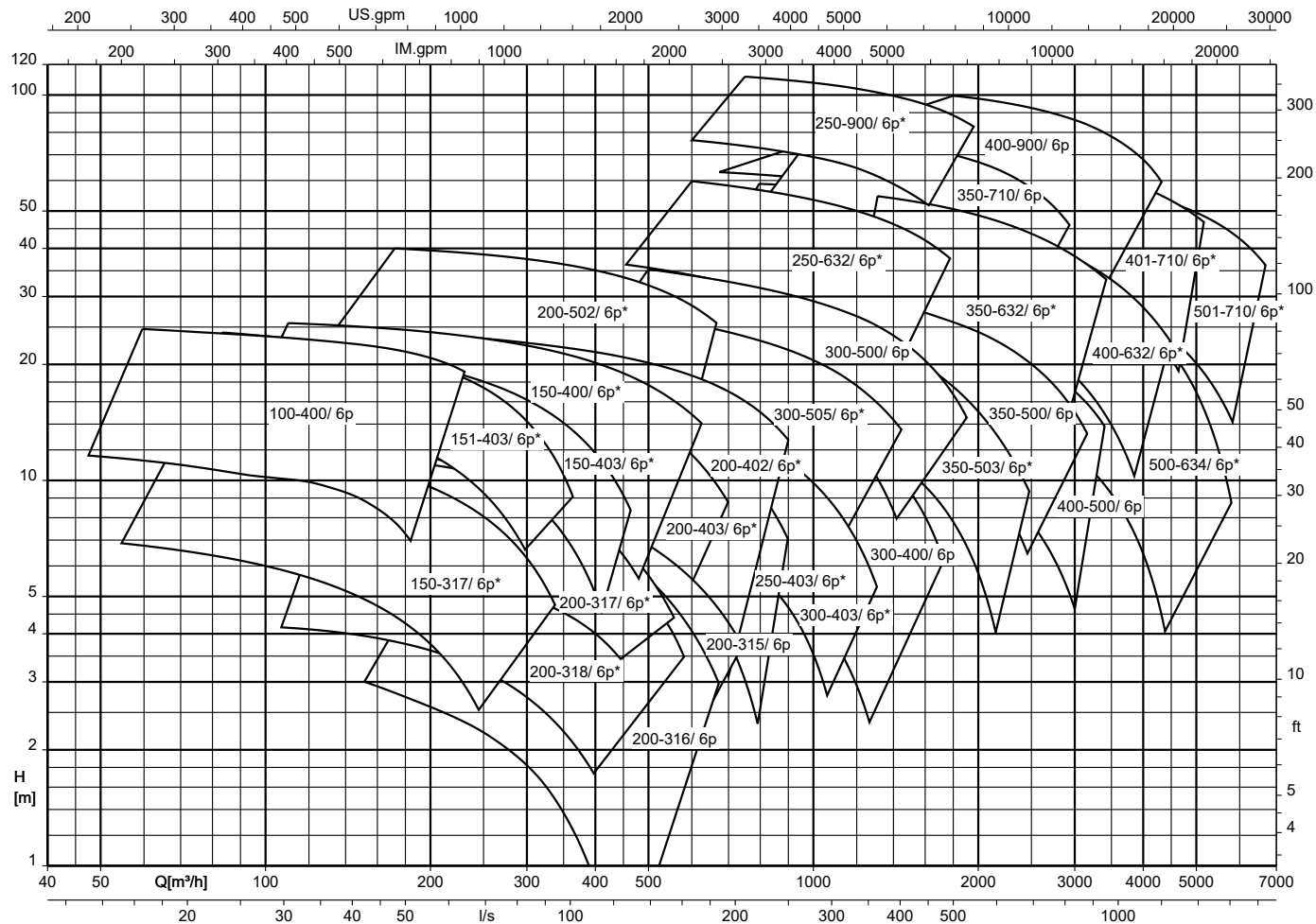
Amarex KRT D-max, n = 1450/960/725 rpm



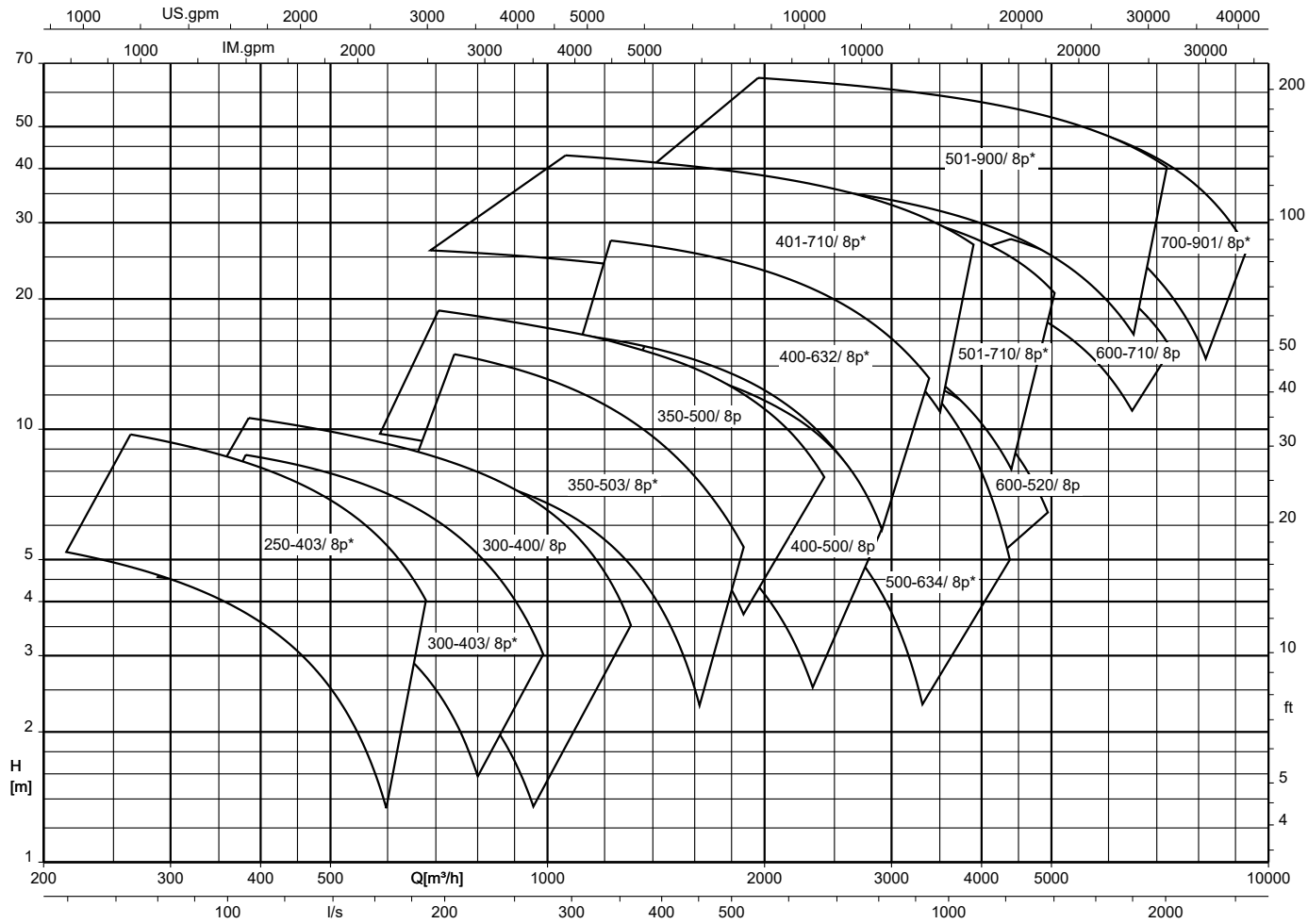
Amarex KRT K + *K-max, n = 2900/1450 rpm



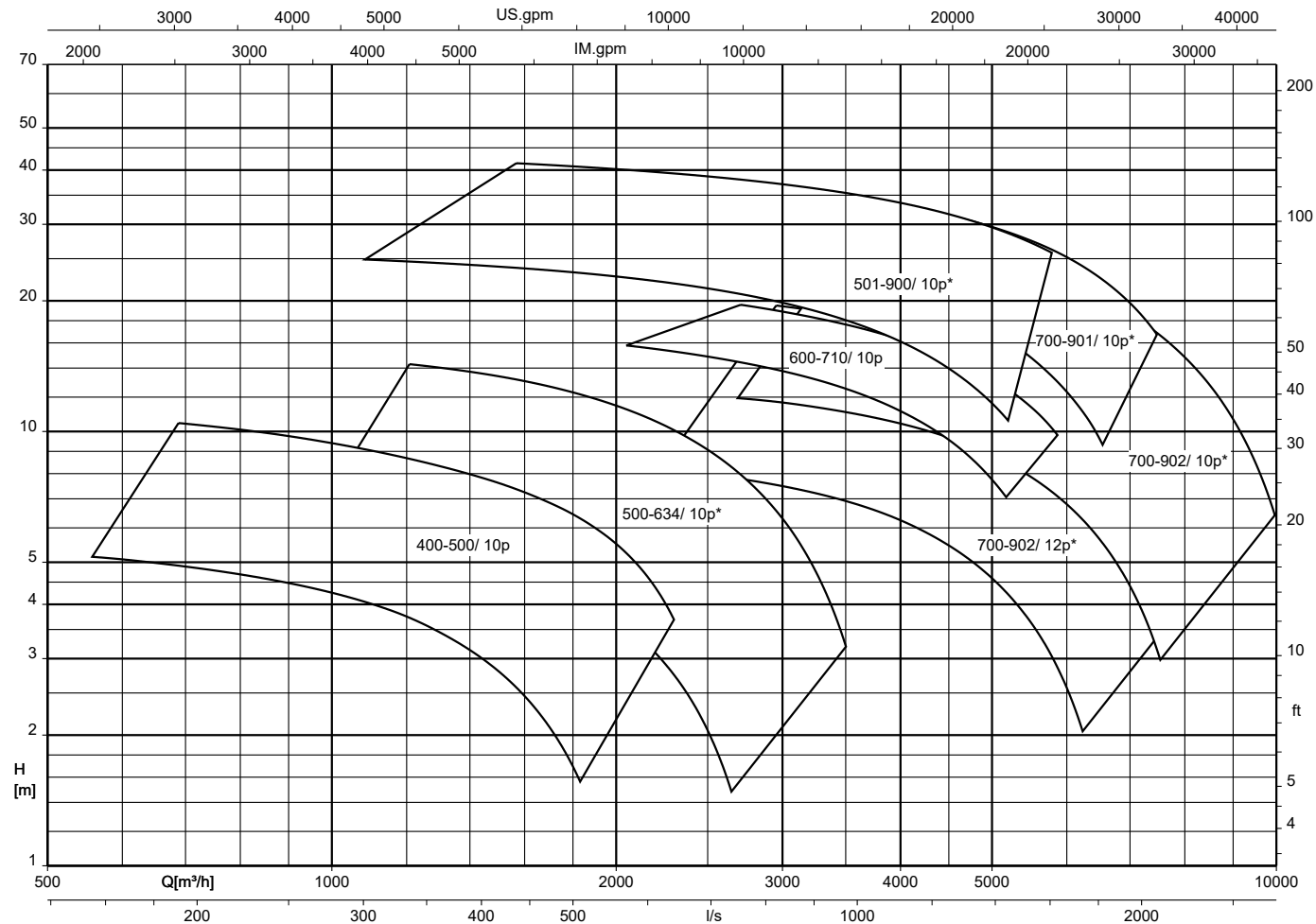
Amarex KRT K + *K-max, n = 960 rpm



Amarex KRT K + *K-max, n = 725 rpm



Amarex KRT K + *K-max, n = 580/480 rpm



Characteristic curves

S impeller

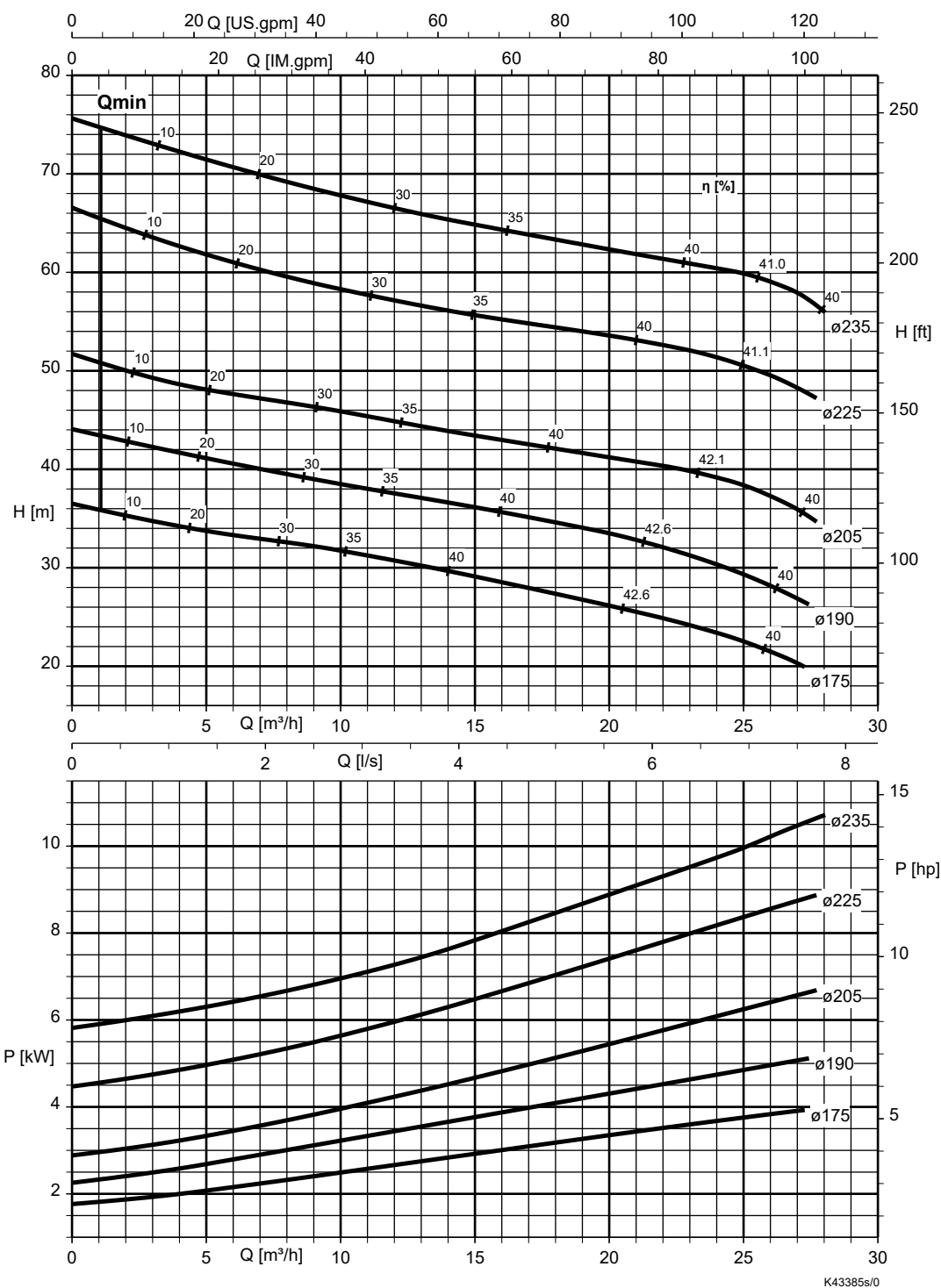
Characteristic curves for S impeller



Fig. 1: S impeller

Amarex KRT S 40-252, n = 2900 rpm

Characteristic curves to ISO 9906 Class 3B, below 10 kW to § 4.4.2. n = nominal speed



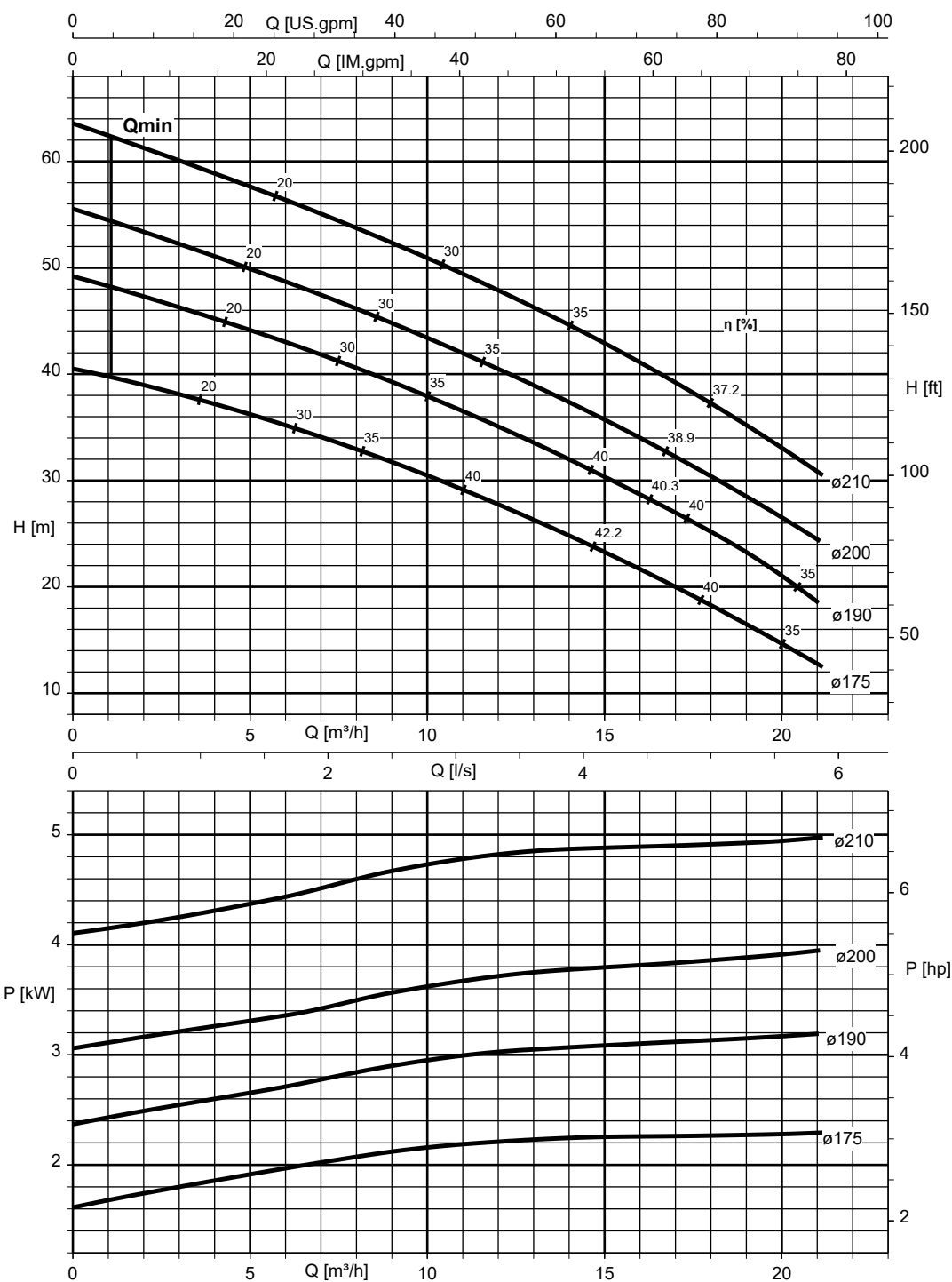
Free passage = 7 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH				
	Installation type				
	D	K	H	P	S
42_E_	-	-	-	X	X
52_E_	-	-	-	X	X
72_E_	-	-	-	X	X
112_E_	-	-	-	X	X
152_E_	-	-	-	X	X
182_E_	-	-	-	X	X
222_E_	-	-	-	X	X
262_E_	-	-	-	X	X

Amarex KRT S 50-216, n = 2900 rpm

Characteristic curves to ISO 9906 Class 3B, below 10 kW to § 4.4.2. n = nominal speed



K43351/2

Free passage = 6 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH				
	Installation type				
	D	K	H	P	S
32_E_	-	-	-	X	X
42_E_	-	-	-	X	X
52_E_	-	-	-	X	X
72_E_	-	-	-	X	X
112_E_	-	-	-	X	X
152_E_	-	-	-	X	X
182_E_	-	-	-	X	X
222_E_	-	-	-	X	X
262_E_	-	-	-	X	X

F impeller

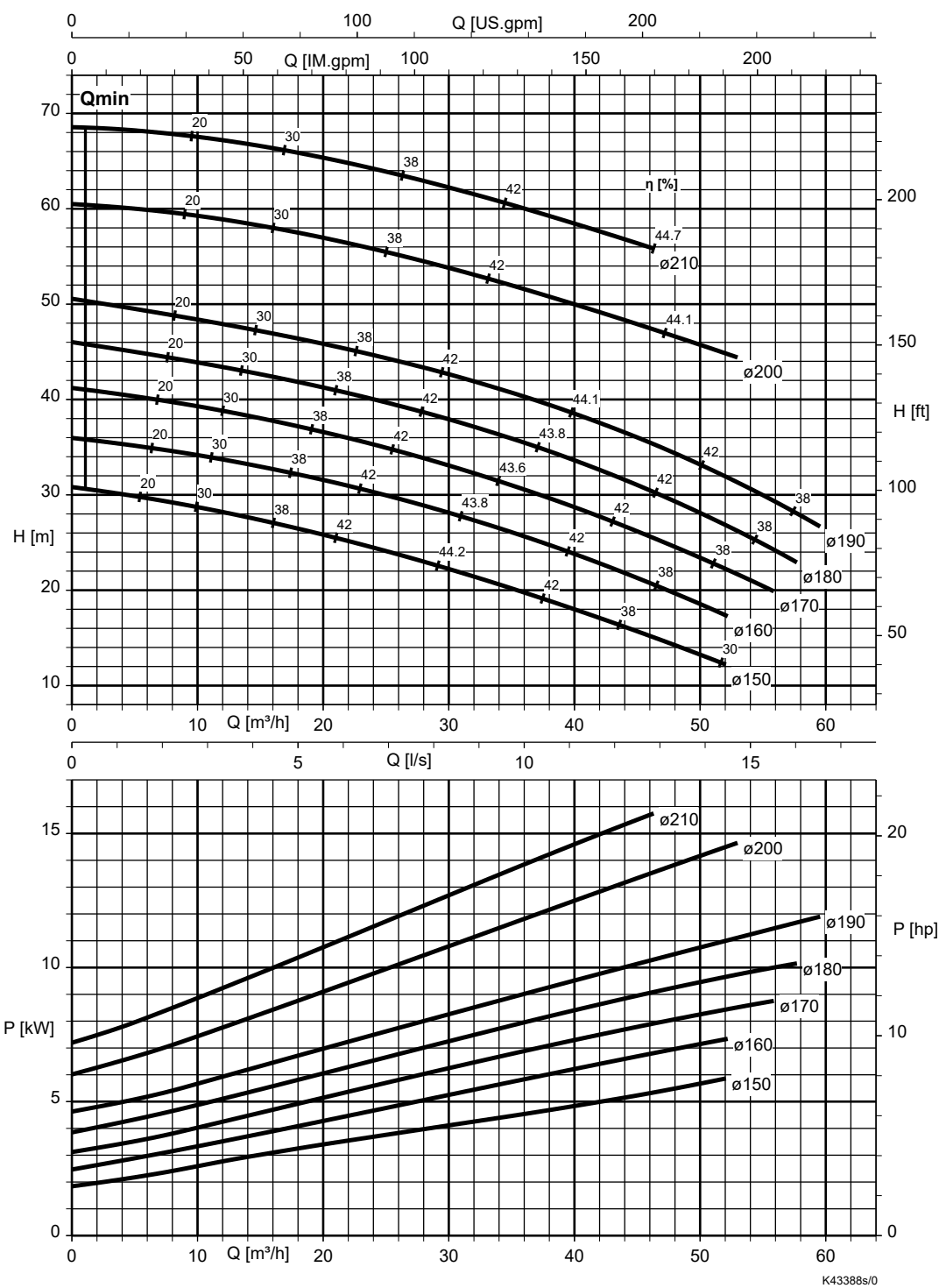
Characteristic curves for F impeller



Fig. 2: F impeller

Amarex KRT F 40-252, n = 2900 rpm

Characteristic curves to ISO 9906 Class 3B, below 10 kW to § 4.4.2. n = nominal speed



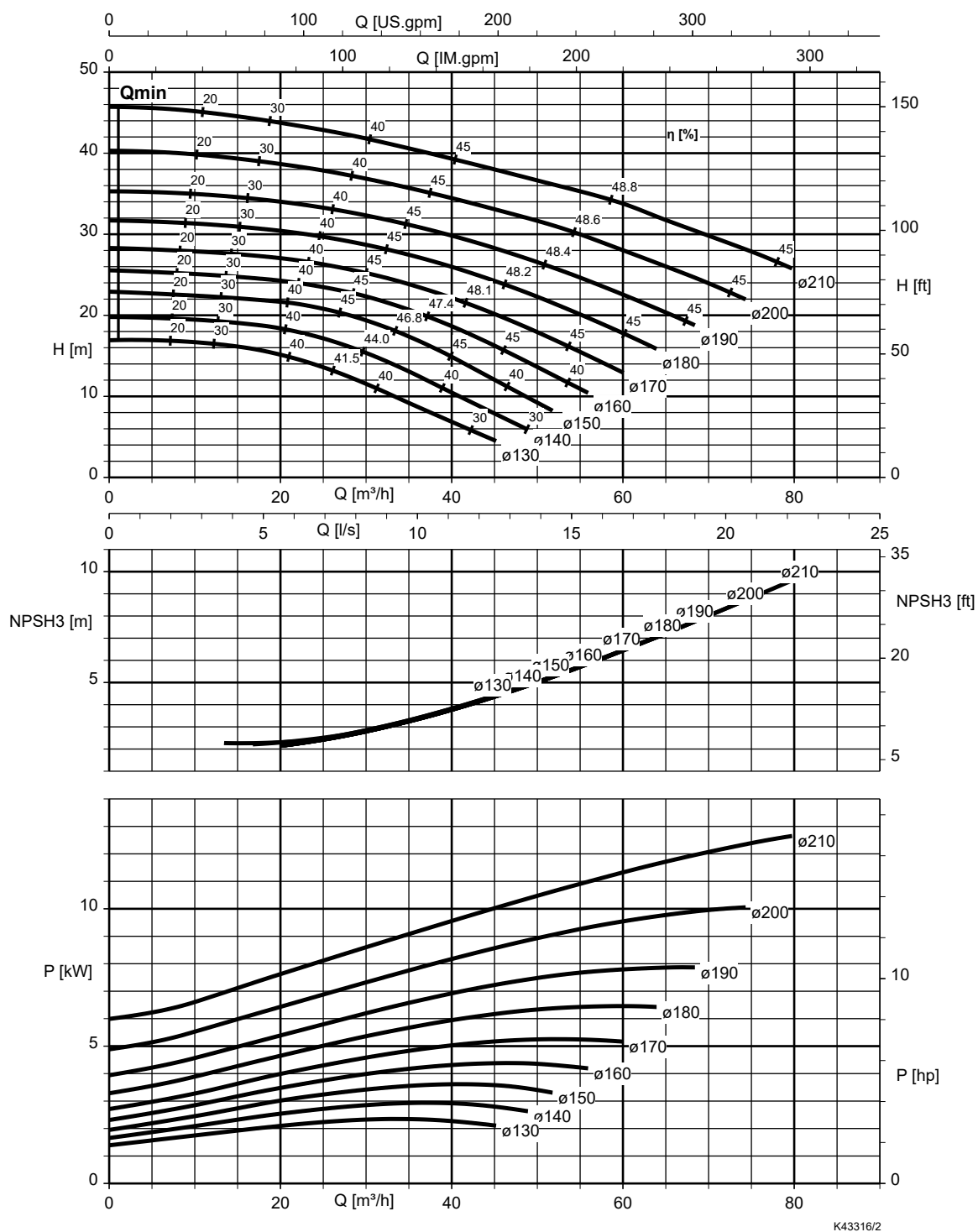
Free passage = 25 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH					C1, C2	
	Installation type					Installation type	
	D	K	H	P	S	P	S
52_E_	-	-	-	X	X	X	X
72_E_	-	-	-	X	X	X	X
112_E_	X	X	X	X	X	X	X
152_E_	X	X	X	X	X	X	X
182_E_	X	X	X	X	X	X	X
182_F_	X	X	X	-	-	-	-
222_E_	X	X	X	X	X	X	X
222_F_	X	X	X	-	-	-	-
262_E_	X	X	X	X	X	X	X
262_F_	X	X	X	-	-	-	-

Amarex KRT F 50-215, n = 2900 rpm

Characteristic curves to ISO 9906 Class 3B, below 10 kW to § 4.4.2. n = nominal speed



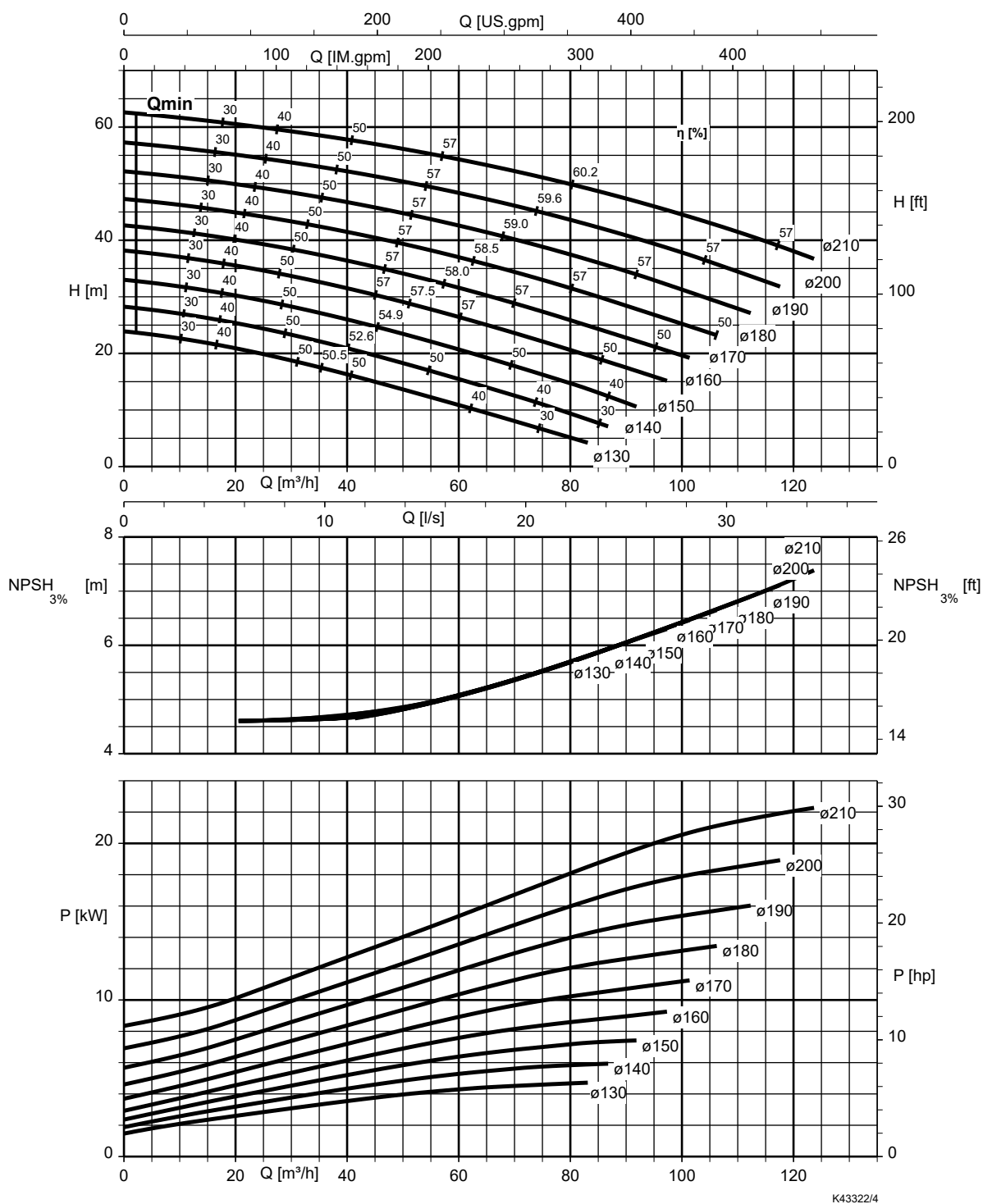
Free passage = 42 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH					C1, C2	
	Installation type					Installation type	
	D	K	H	P	S	P	S
32_E_	-	-	-	X	X	X	X
42_E_	-	-	-	X	X	X	X
52_E_	-	-	-	X	X	X	X
72_E_	-	-	-	X	X	X	X
112_E_	X	X	X	X	X	X	X
152_E_	X	X	X	X	X	X	X
182_E_	X	X	X	X	X	X	X
222_E_	X	X	X	X	X	X	X
262_E_	X	X	X	X	X	-	-

Amarex KRT F 50-216, n = 2900 rpm

Characteristic curves to ISO 9906 Class 3B, below 10 kW to § 4.4.2. n = nominal speed



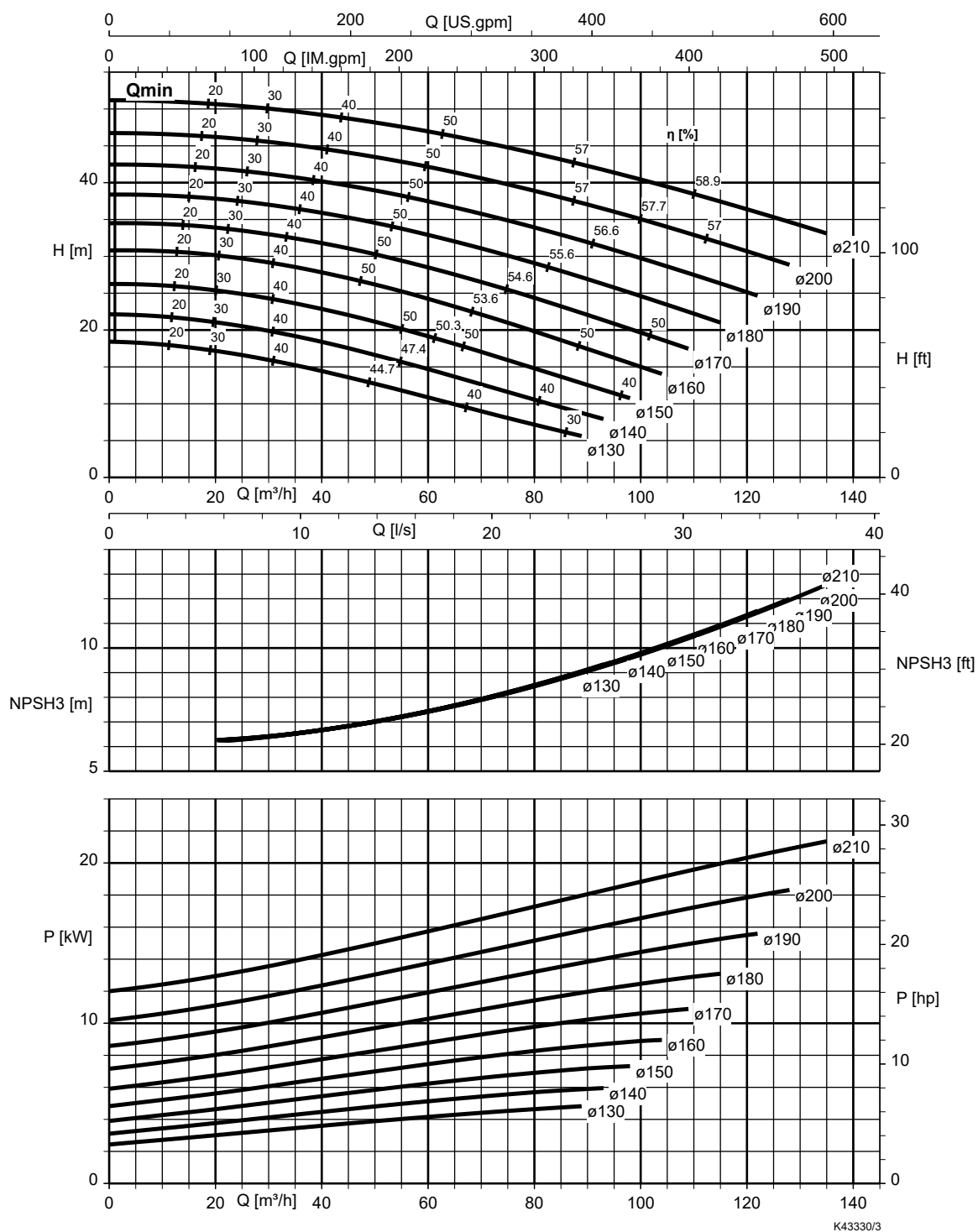
Free passage = 25 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH					C1, C2	
	Installation type					Installation type	
	D	K	H	P	S	P	S
42_E_	-	-	-	X	X	X	X
52_E_	-	-	-	X	X	X	X
72_E_	-	-	-	X	X	X	X
112_E_	X	X	X	X	X	X	X
152_E_	X	X	X	X	X	X	X
182_E_	X	X	X	X	X	X	X
222_E_	X	X	X	X	X	X	X
262_E_	X	X	X	X	X	X	X

Amarex KRT F 65-215, n = 2900 rpm

Characteristic curves to ISO 9906 Class 3B, below 10 kW to § 4.4.2. n = nominal speed



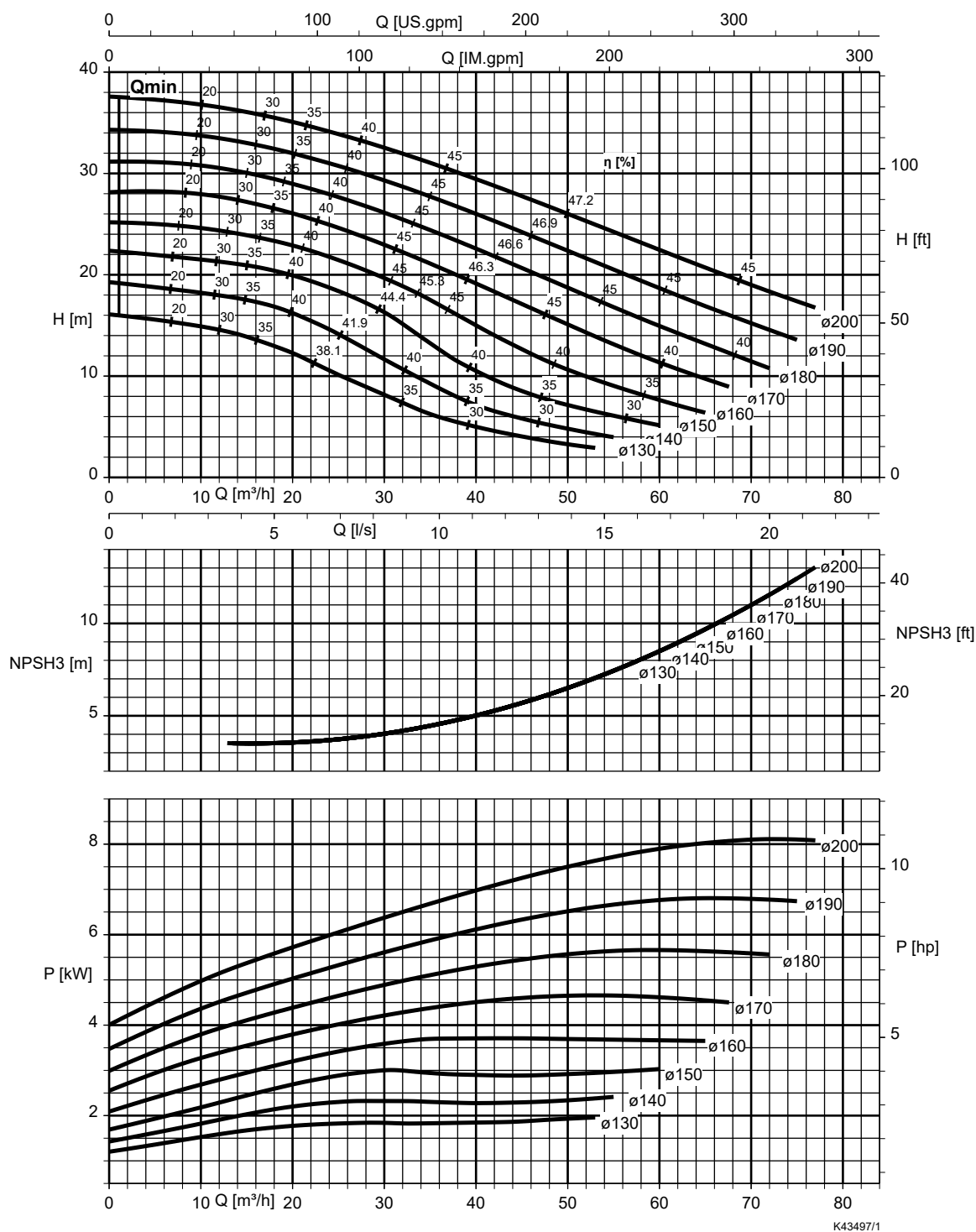
Free passage = 65 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH					C1, C2	
	Installation type					Installation type	
	D	K	H	P	S	P	S
42_E_	-	-	-	X	X	X	X
52_E_	-	-	-	X	X	X	X
72_E_	-	-	-	X	X	X	X
112_E_	X	X	X	X	X	X	X
152_E_	X	X	X	X	X	X	X
182_E_	X	X	X	X	X	X	X
222_E_	X	X	X	X	X	X	X
262_E_	X	X	X	X	X	X	X

Amarex KRT F 65-217, n = 2900 rpm

Characteristic curves to ISO 9906 Class 3B, below 10 kW to § 4.4.2. n = nominal speed



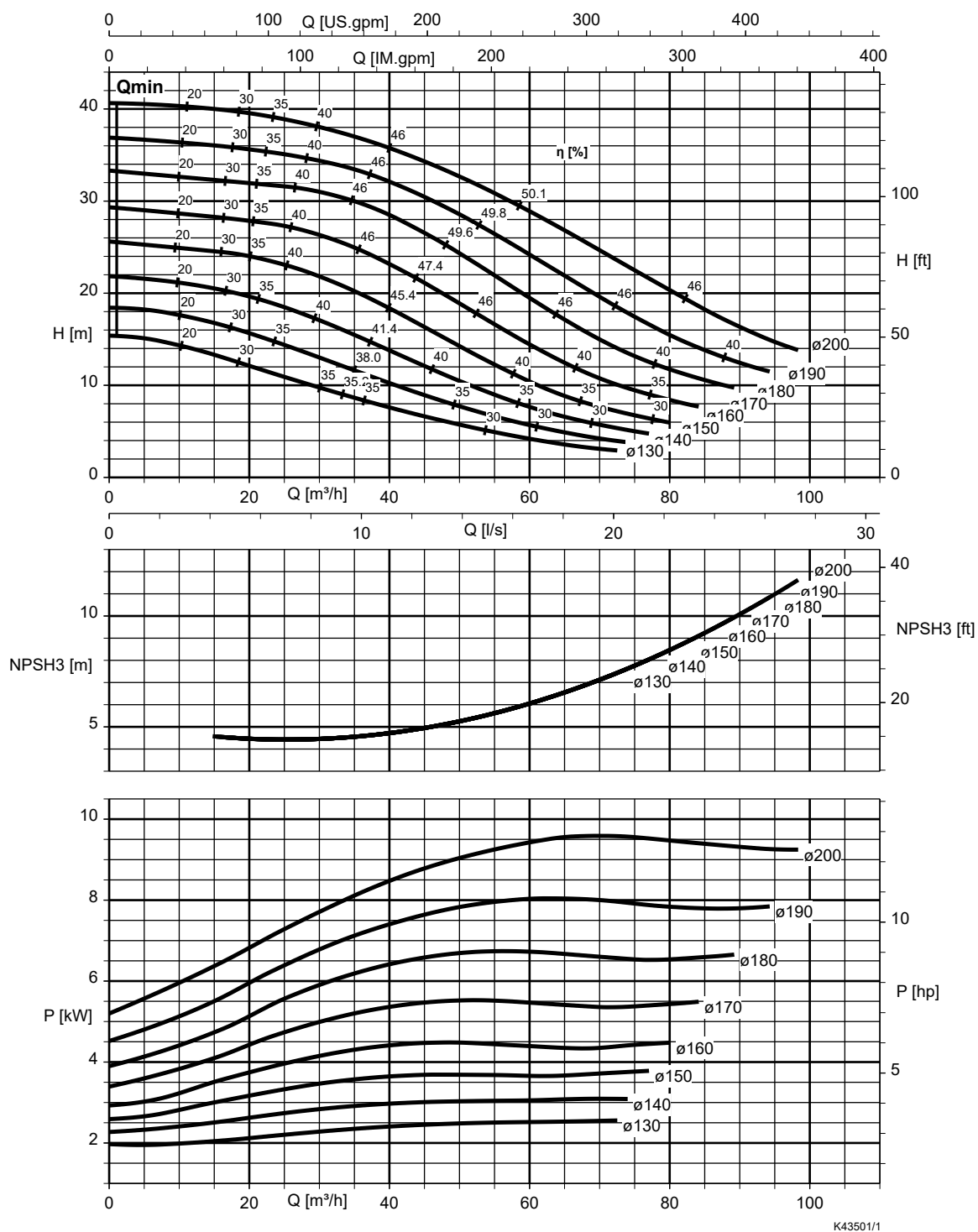
Free passage = 65 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH				
	Installation type				
	D	K	H	P	S
32_E_	-	-	-	X	X
42_E_	-	-	-	X	X
52_E_	-	-	-	X	X
72_E_	-	-	-	X	X
112_E_	X	X	X	X	X
152_E_	X	X	X	X	X
182_E_	X	X	X	X	X
222_E_	X	X	X	X	X
262_E_	X	X	X	X	X

Amarex KRT F 80-215, n = 2900 rpm

Characteristic curves to ISO 9906 Class 3B, below 10 kW to § 4.4.2. n = nominal speed



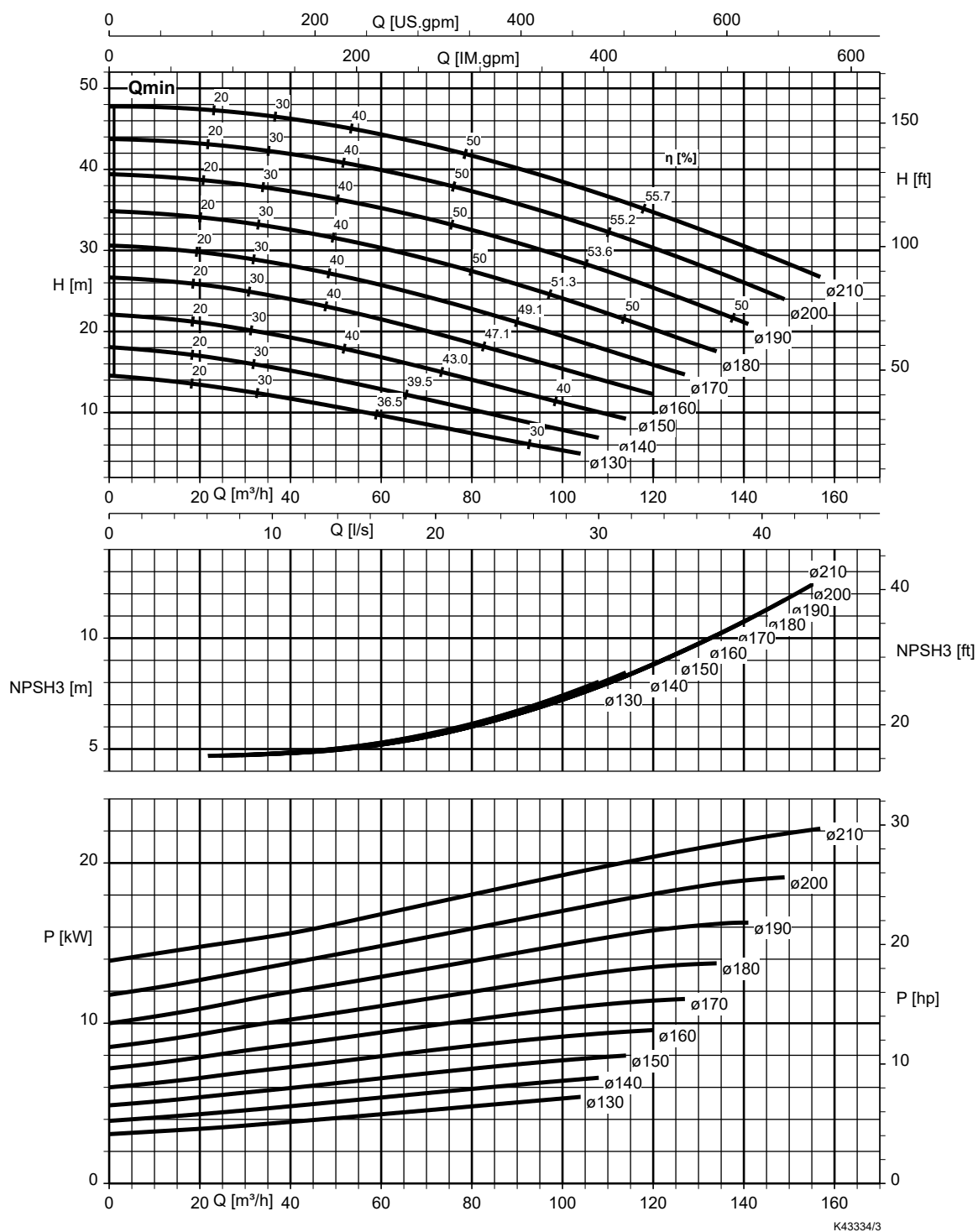
Free passage = 76 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH				
	Installation type				
	D	K	H	P	S
32_E_	-	-	-	X	X
42_E_	-	-	-	X	X
52_E_	-	-	-	X	X
72_E_	-	-	-	X	X
112_E_	X	X	X	X	X
152_E_	X	X	X	X	X
182_E_	X	X	X	X	X
222_E_	X	X	X	X	X
262_E_	X	X	X	X	X

Amarex KRT F 80-216, n = 2900 rpm

Characteristic curves to ISO 9906 Class 3B, below 10 kW to § 4.4.2. n = nominal speed



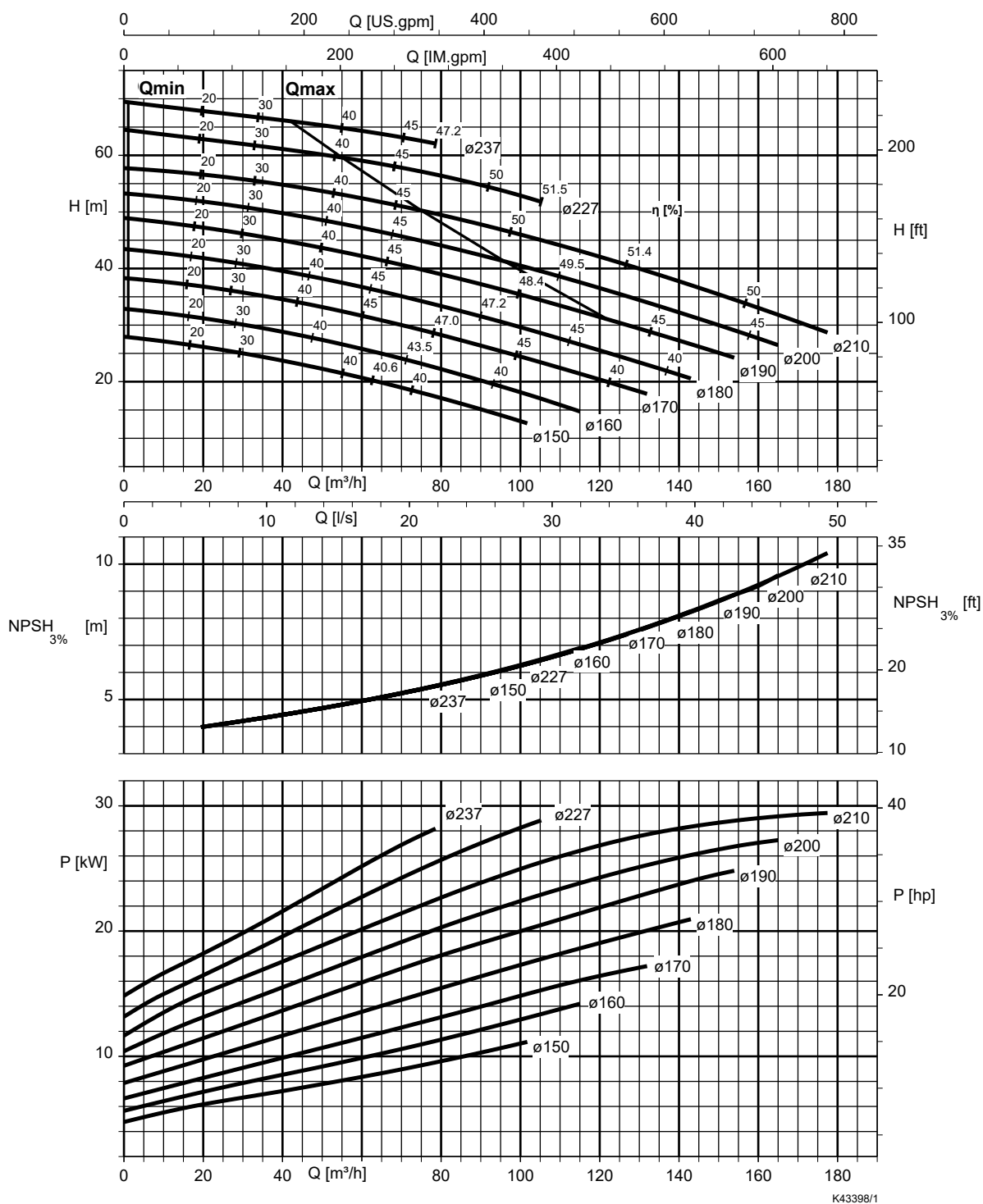
Free passage = 76 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH					C1, C2	
	Installation type					Installation type	
	D	K	H	P	S	P	S
32_E_	-	-	-	X	X	-	-
42_E_	-	-	-	X	X	X	X
52_E_	-	-	-	X	X	X	X
72_E_	-	-	-	X	X	X	X
112_E_	X	X	X	X	X	X	X
152_E_	X	X	X	X	X	X	X
182_E_	X	X	X	X	X	X	X
222_E_	X	X	X	X	X	X	X
262_E_	X	X	X	X	X	X	X

Amarex KRT F 80-253, n = 2900 rpm

Characteristic curves to ISO 9906 Class 3B, below 10 kW to § 4.4.2. n = nominal speed



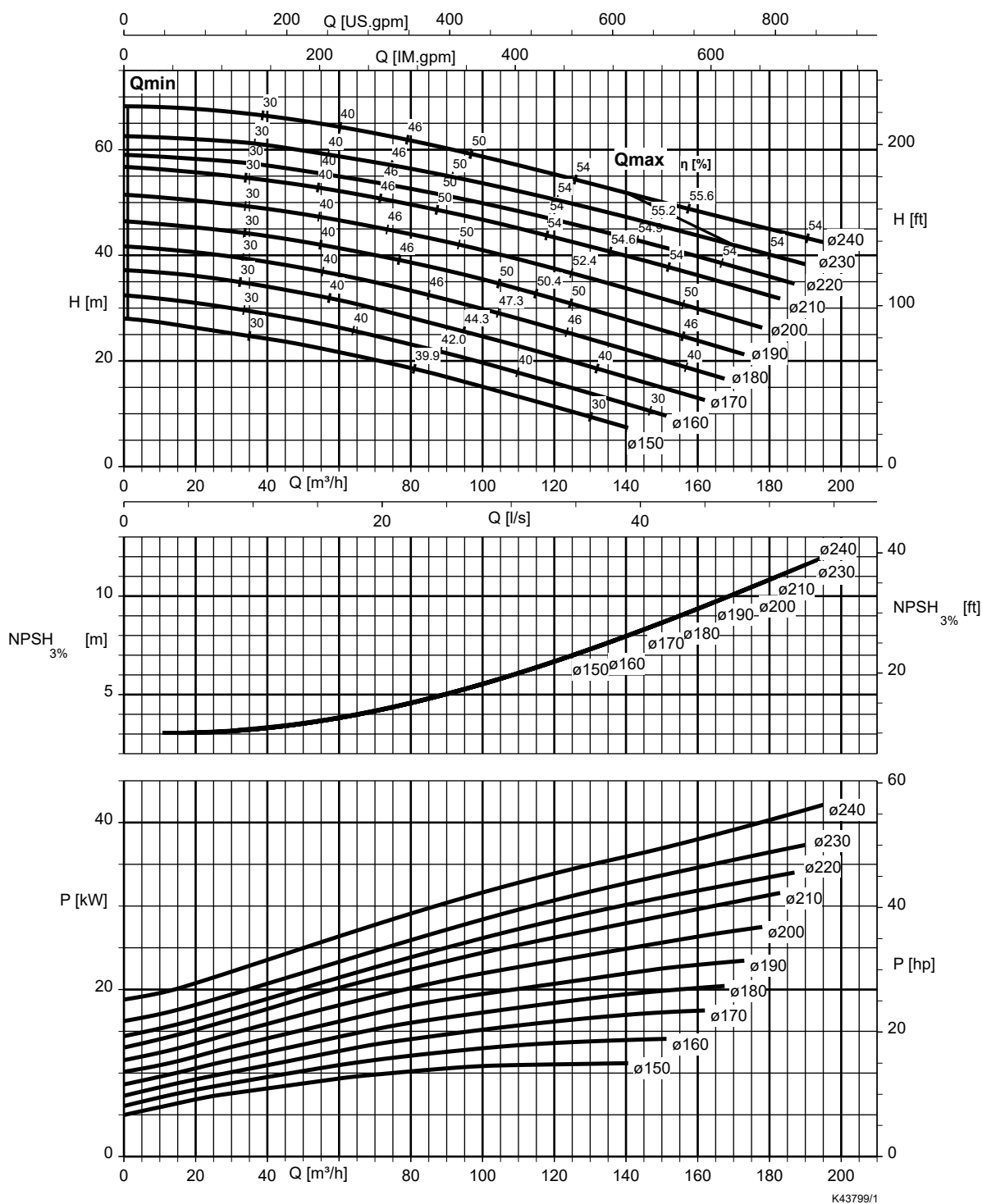
Free passage = 76 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH					C1, C2	
	Installation type					Installation type	
	D	K	H	P	S	P	S
72_E_	-	-	-	-	-	X	X
112_E_	-	-	-	X	X	X	X
152_E_	-	-	-	X	X	X	X
182_E_	-	-	-	X	X	X	X
182_F_	X	X	X	-	-	-	-
222_E_	-	-	-	X	X	X	X
222_F_	X	X	X	-	-	-	-
262_E_	-	-	-	X	X	X	X
262_F_	X	X	X	-	-	-	-

Amarex KRT F 80-317, n = 2900 rpm

Characteristic curves to ISO 9906 Class 3B, below 10 kW to § 4.4.2. n = nominal speed



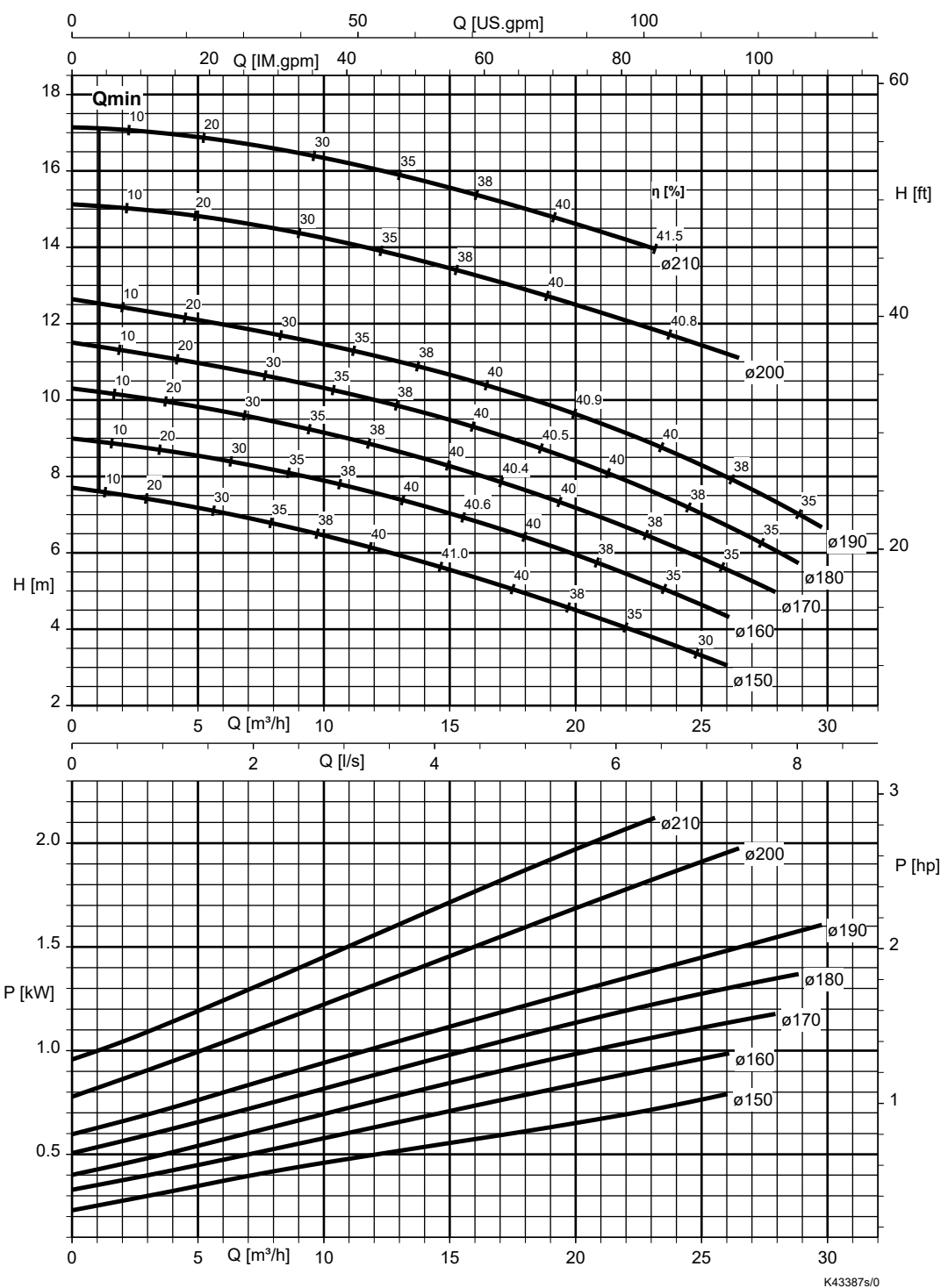
Free passage = 76 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH				
	Installation type				
	D	K	H	P	S
182_E_	-	-	-	X	X
182_F_	X	X	X	-	-
222_E_	-	-	-	X	X
222_F_	X	X	X	-	-
262_E_	-	-	-	X	X
262_F_	X	X	X	-	-
302_E_	-	-	-	X	X
302_F_	X	X	X	-	-
372_E_	-	-	-	X	X
372_F_	X	X	X	-	-
552_E_	-	-	-	X	X
552_F_	X	X	X	-	-
652_F_	X	X	X	-	-

Amarex KRT F 40-252, n = 1450 rpm

Characteristic curves to ISO 9906 Class 3B, below 10 kW to § 4.4.2. n = nominal speed



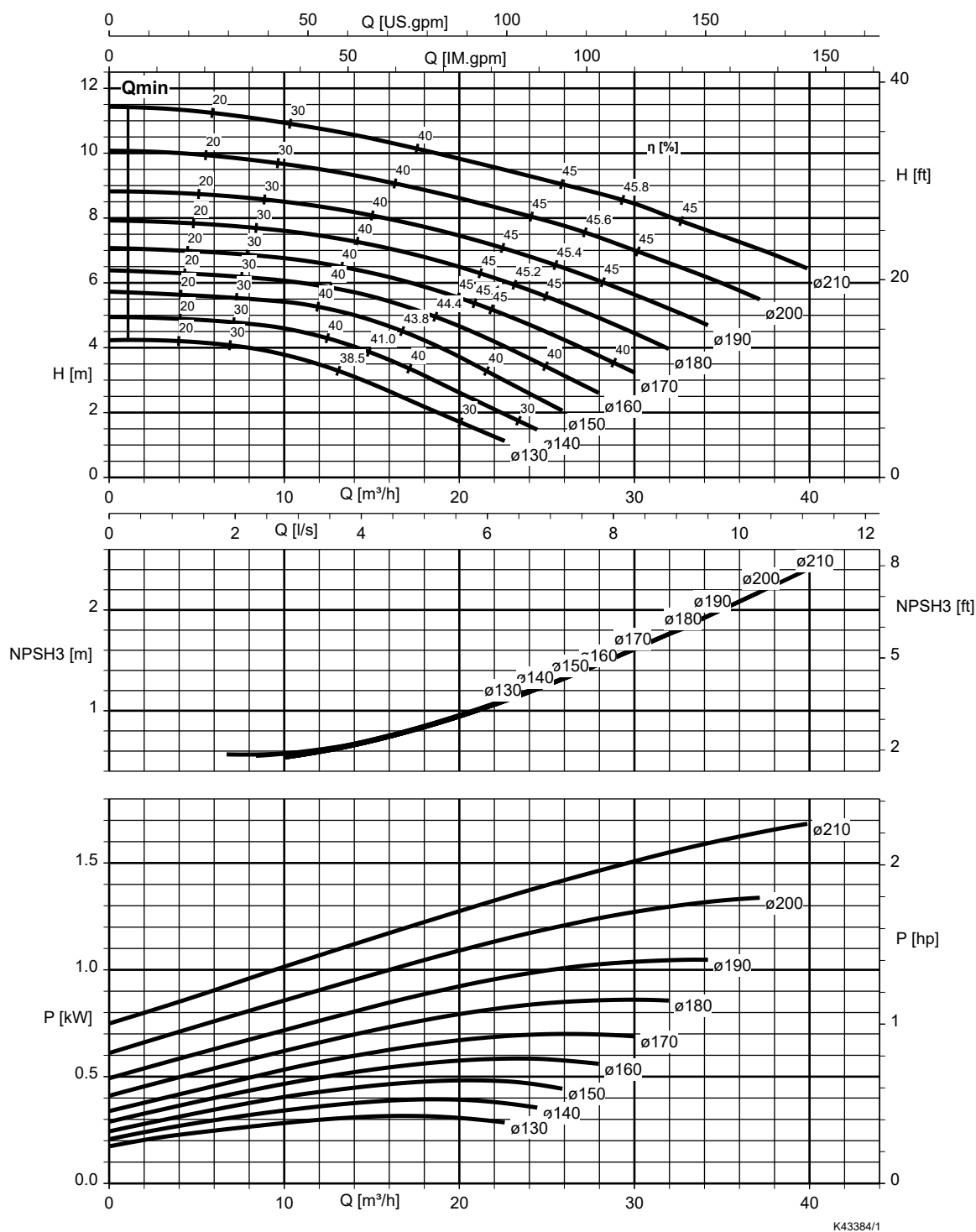
Free passage = 25 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH					C1, C2	
	Installation type					Installation type	
	D	K	H	P	S	P	S
44_E_	-	-	-	X	X	X	X
54_E_	-	-	-	X	X	X	X
74_E_	X	X	X	X	X	X	X
114_E_	X	X	X	X	X	X	X
154_E_	-	-	-	X	X	X	X
154_F_	X	X	X	-	-	-	-

Amarex KRT F 50-215, n = 1450 rpm

Characteristic curves to ISO 9906 Class 3B, below 10 kW to § 4.4.2. n = nominal speed



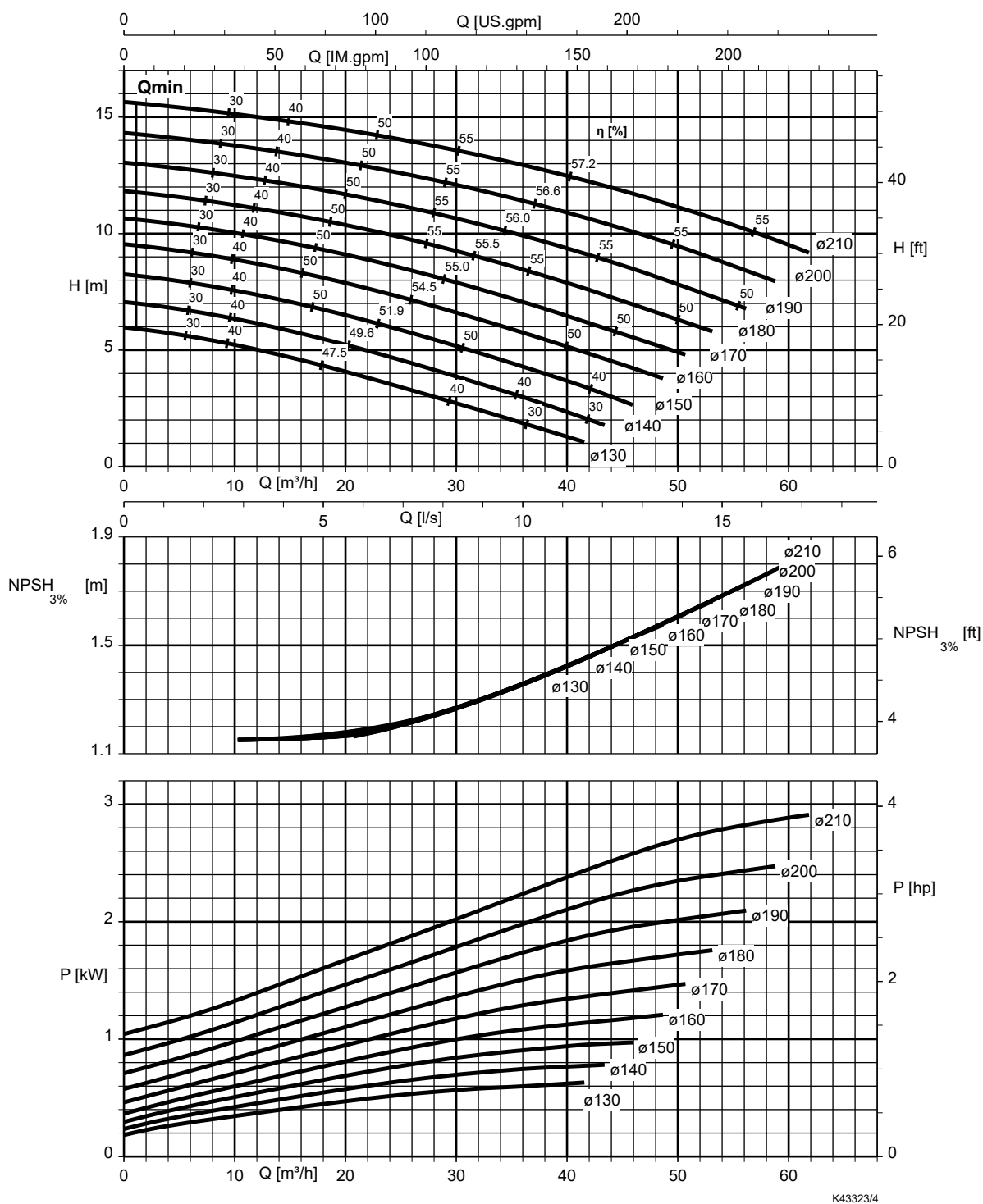
Free passage = 42 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH					C1, C2	
	Installation type					Installation type	
	D	K	H	P	S	P	S
24_E_	-	-	-	X	X	X	X
34_E_	-	-	-	X	X	X	X
44_E_	-	-	-	X	X	X	X
54_E_	-	-	-	X	X	X	X
74_E_	X	X	X	X	X	-	-
114_E_	X	X	X	X	X	-	-

Amarex KRT F 50-216, n = 1450 rpm

Characteristic curves to ISO 9906 Class 3B, below 10 kW to § 4.4.2. n = nominal speed



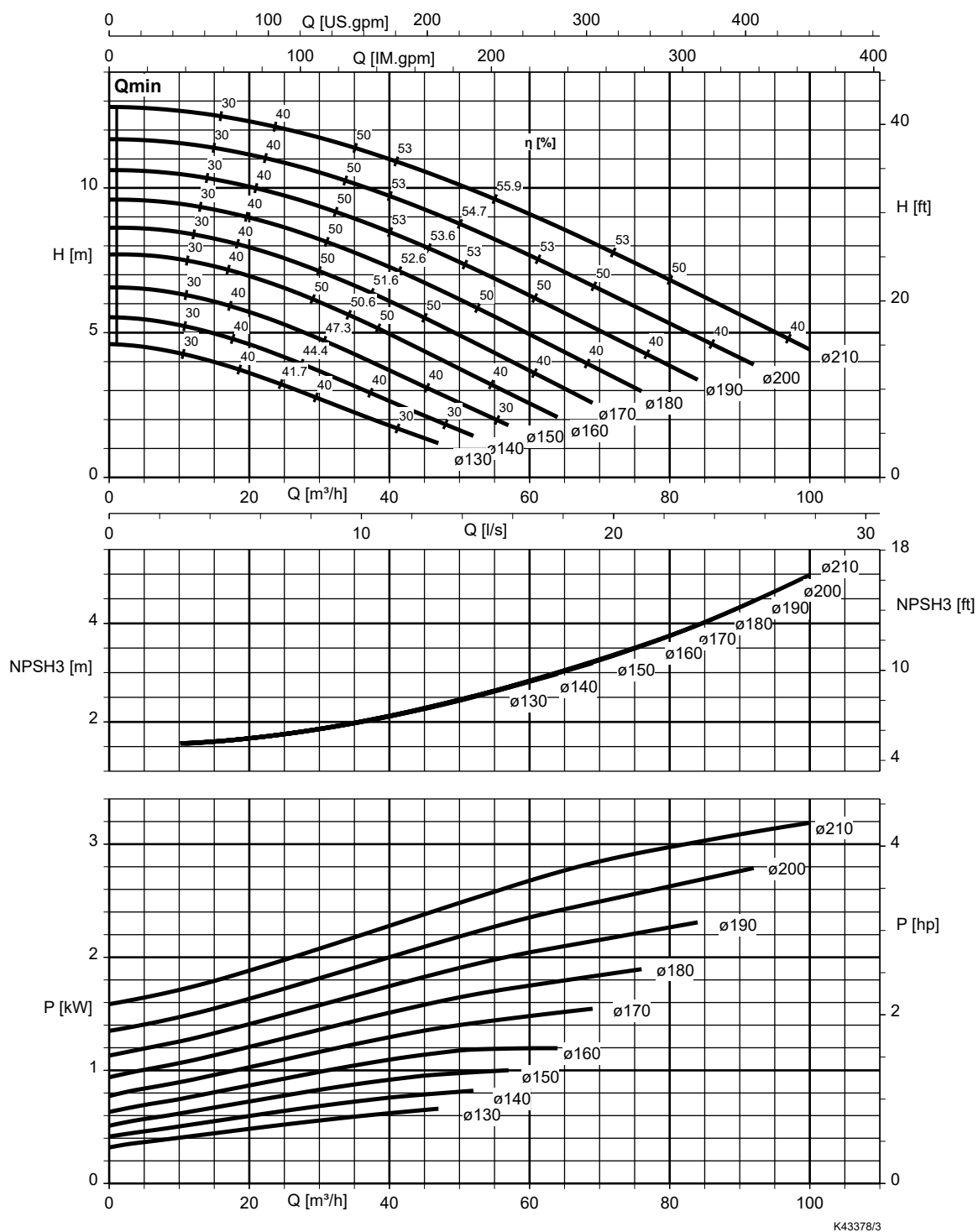
Free passage = 25 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH					C1, C2	
	Installation type					Installation type	
	D	K	H	P	S	P	S
24_E_	-	-	-	X	X	X	X
34_E_	-	-	-	X	X	X	X
44_E_	-	-	-	X	X	X	X
54_E_	-	-	-	X	X	X	X
74_E_	-	-	-	X	X	X	X
114_E_	X	X	X	X	X	X	X
154_E_	X	X	X	X	X	-	-
184_E_	X	X	X	X	X	-	-
224_E_	X	X	X	X	X	-	-

Amarex KRT F 65-215, n = 1450 rpm

Characteristic curves to ISO 9906 Class 3B, below 10 kW to § 4.4.2. n = nominal speed



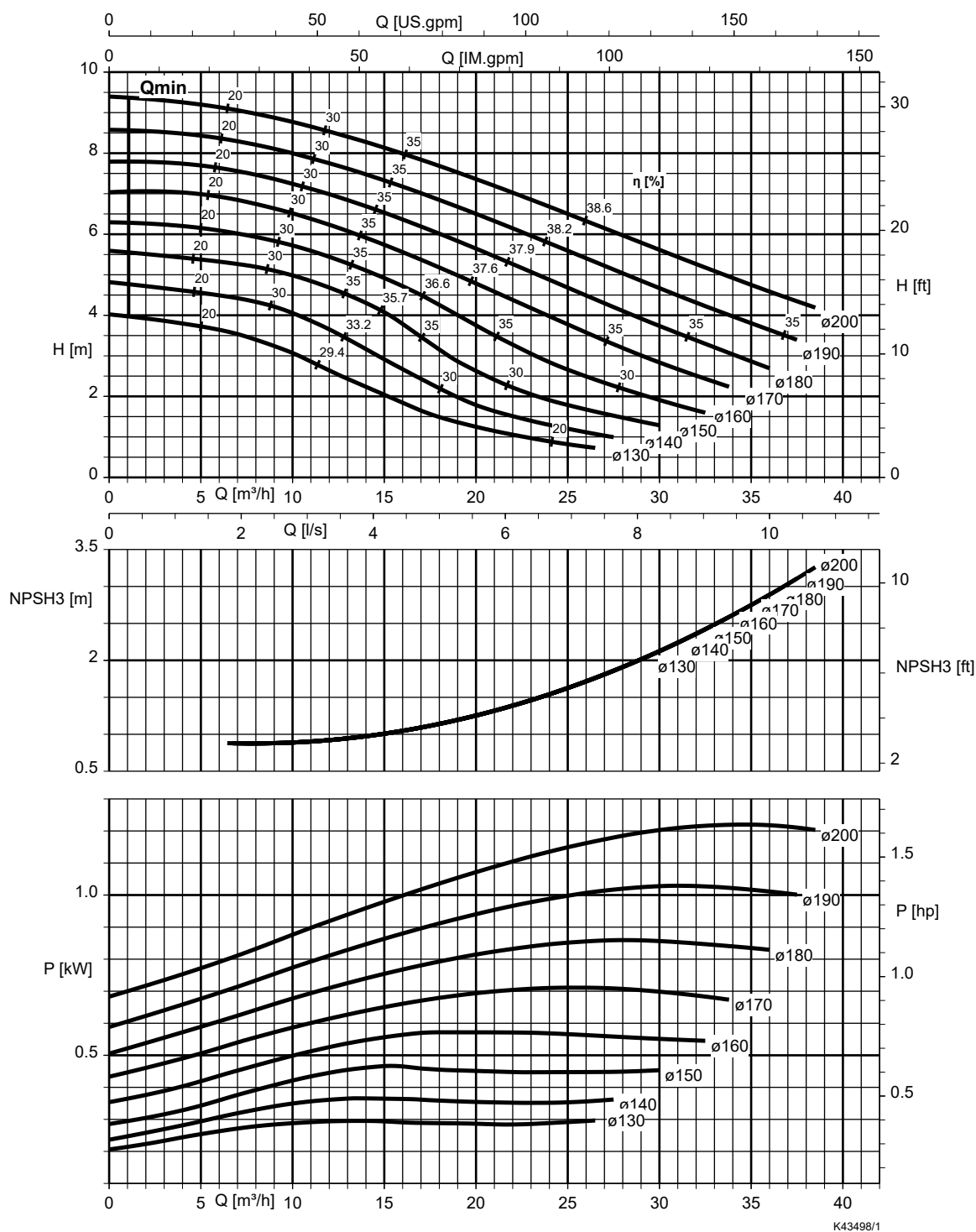
Free passage = 65 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH					C1, C2	
	Installation type					Installation type	
	D	K	H	P	S	P	S
24_E_	-	-	-	X	X	X	X
34_E_	-	-	-	X	X	X	X
44_E_	-	-	-	X	X	X	X
54_E_	-	-	-	X	X	X	X
74_E_	-	-	-	X	X	X	X
114_E_	X	X	X	X	X	X	X
154_E_	X	X	X	X	X	X	X
184_E_	X	X	X	X	X	-	-
224_E_	X	X	X	X	X	-	-

Amarex KRT F 65-217, n = 1450 rpm

Characteristic curves to ISO 9906 Class 3B, below 10 kW to § 4.4.2. n = nominal speed



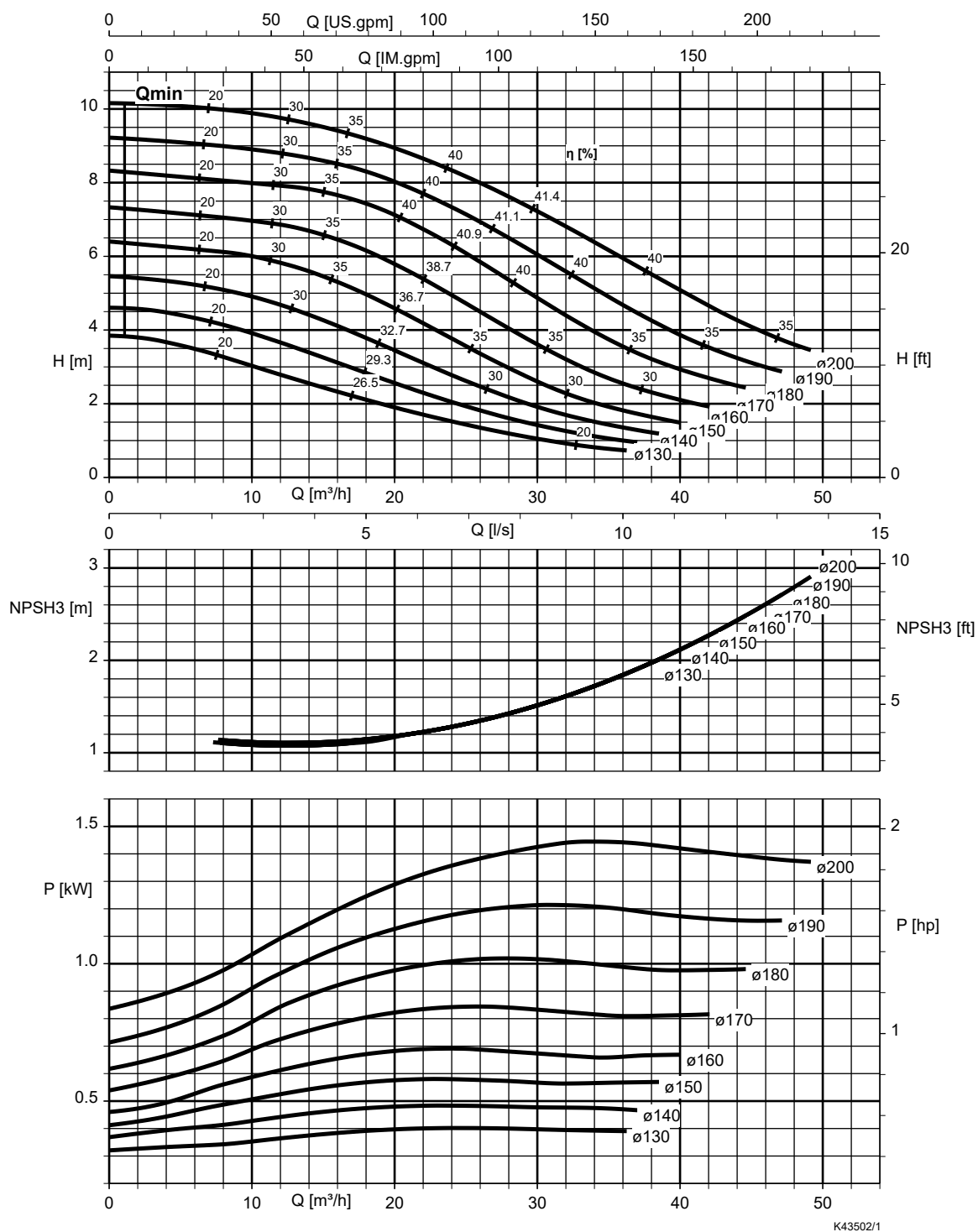
Free passage = 65 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH				
	Installation type				
	D	K	H	P	S
24_E_	-	-	-	X	X
34_E_	-	-	-	X	X
44_E_	-	-	-	X	X
54_E_	-	-	-	X	X
74_E_	-	-	-	X	X
114_E_	X	X	X	X	X
154_E_	X	X	X	X	X
184_E_	X	X	X	X	X
224_E_	X	X	X	X	X

Amarex KRT F 80-215, n = 1450 rpm

Characteristic curves to ISO 9906 Class 3B, below 10 kW to § 4.4.2. n = nominal speed



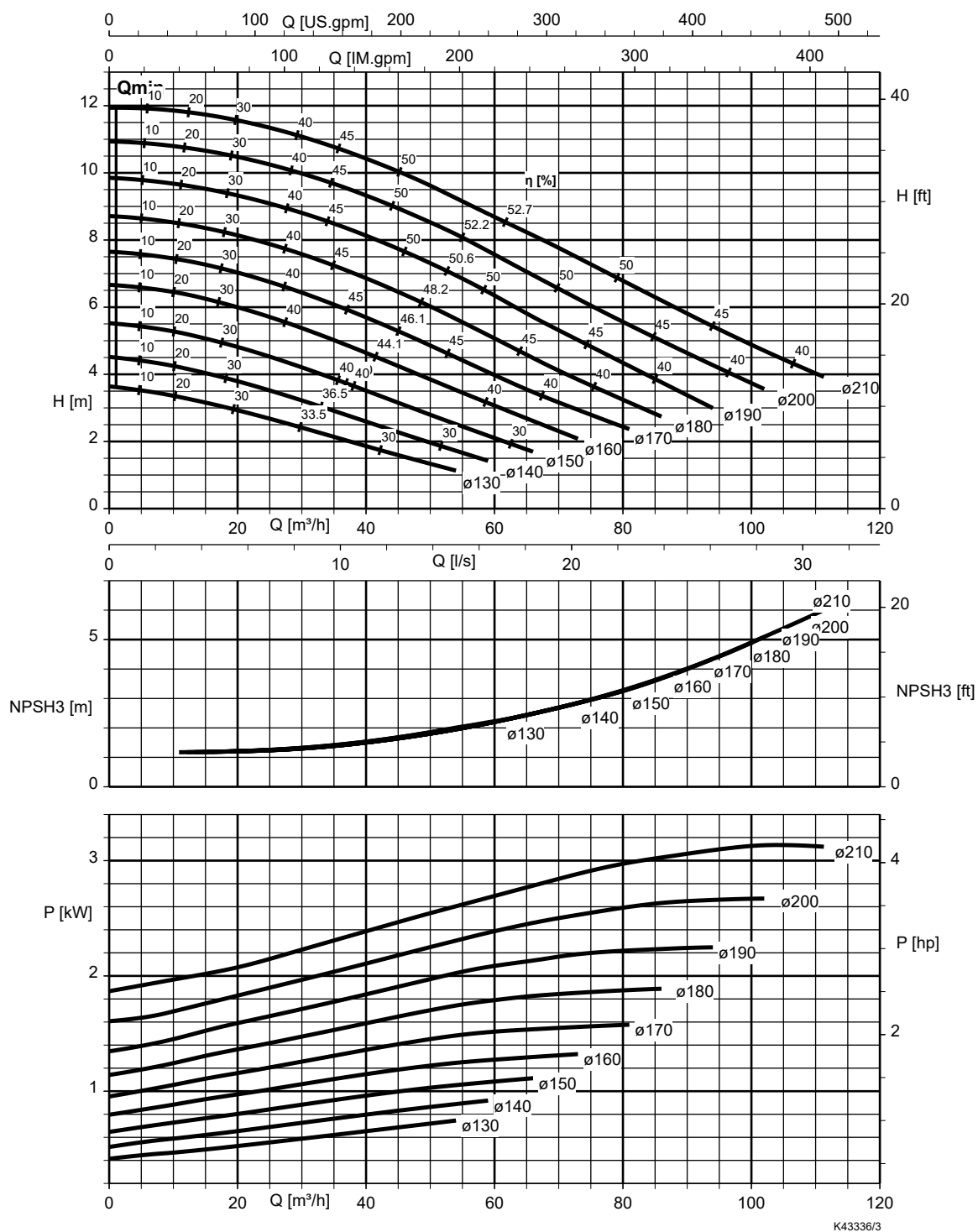
Free passage = 76 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH				
	Installation type				
	D	K	H	P	S
24_E_	-	-	-	X	X
34_E_	-	-	-	X	X
44_E_	-	-	-	X	X
54_E_	-	-	-	X	X
74_E_	X	X	X	X	X
114_E_	X	X	X	X	X
154_E_	X	X	X	X	X
184_E_	X	X	X	X	X
224_E_	X	X	X	X	X

Amarex KRT F 80-216, n = 1450 rpm

Characteristic curves to ISO 9906 Class 3B, below 10 kW to § 4.4.2. n = nominal speed



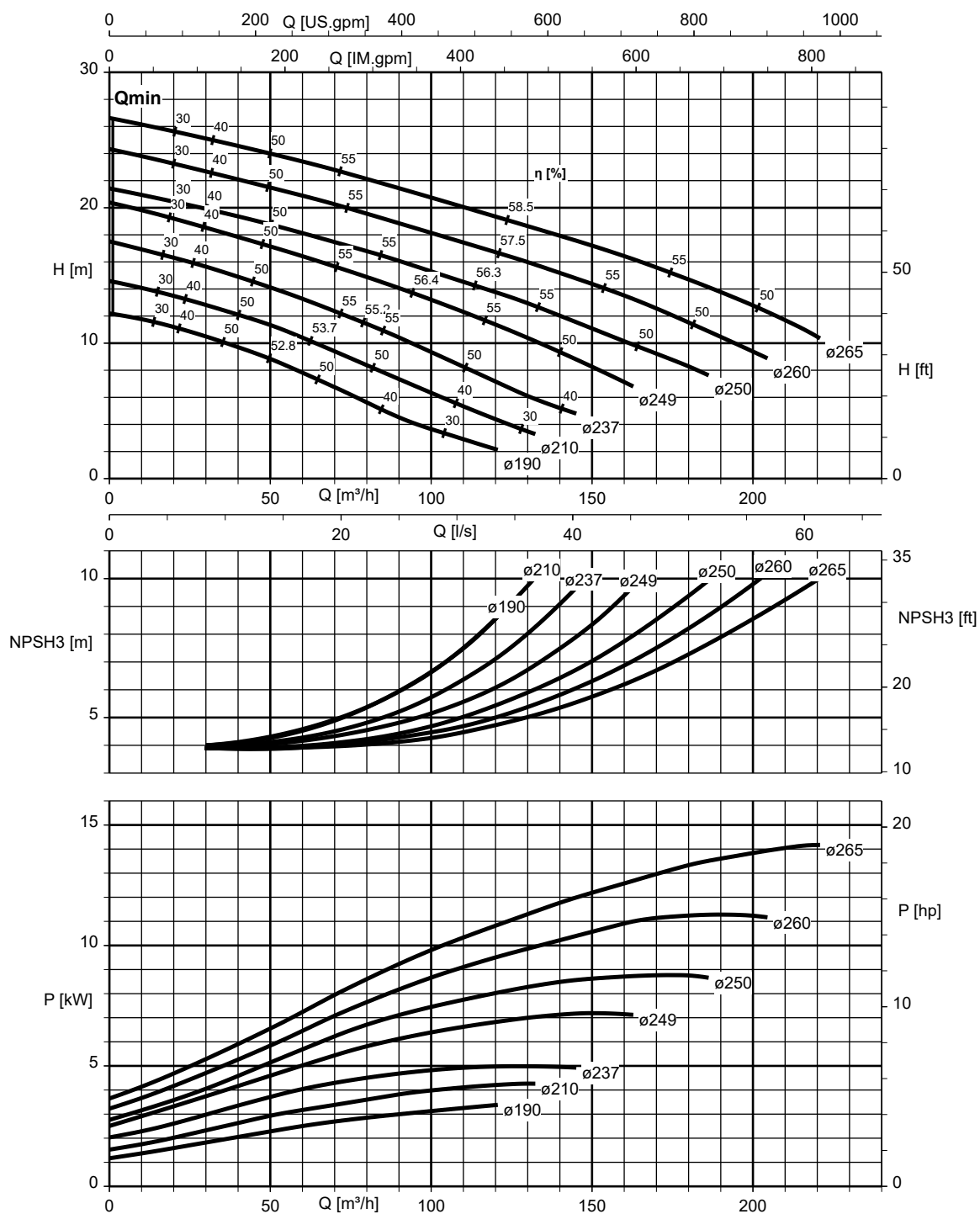
Free passage = 76 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH					C1, C2	
	Installation type					Installation type	
	D	K	H	P	S	P	S
24_E_	-	-	-	X	X	X	X
34_E_	-	-	-	X	X	X	X
44_E_	-	-	-	X	X	X	X
54_E_	-	-	-	X	X	X	X
74_E_	-	-	-	X	X	X	X
114_E_	X	X	X	X	X	X	X
154_E_	X	X	X	X	X	-	-
184_E_	X	X	X	X	X	-	-
224_E_	X	X	X	X	X	-	-

Amarex KRT F 80-252, n = 1450 rpm

Characteristic curves to ISO 9906 Class 3B, below 10 kW to § 4.4.2. n = nominal speed



K43397s/0

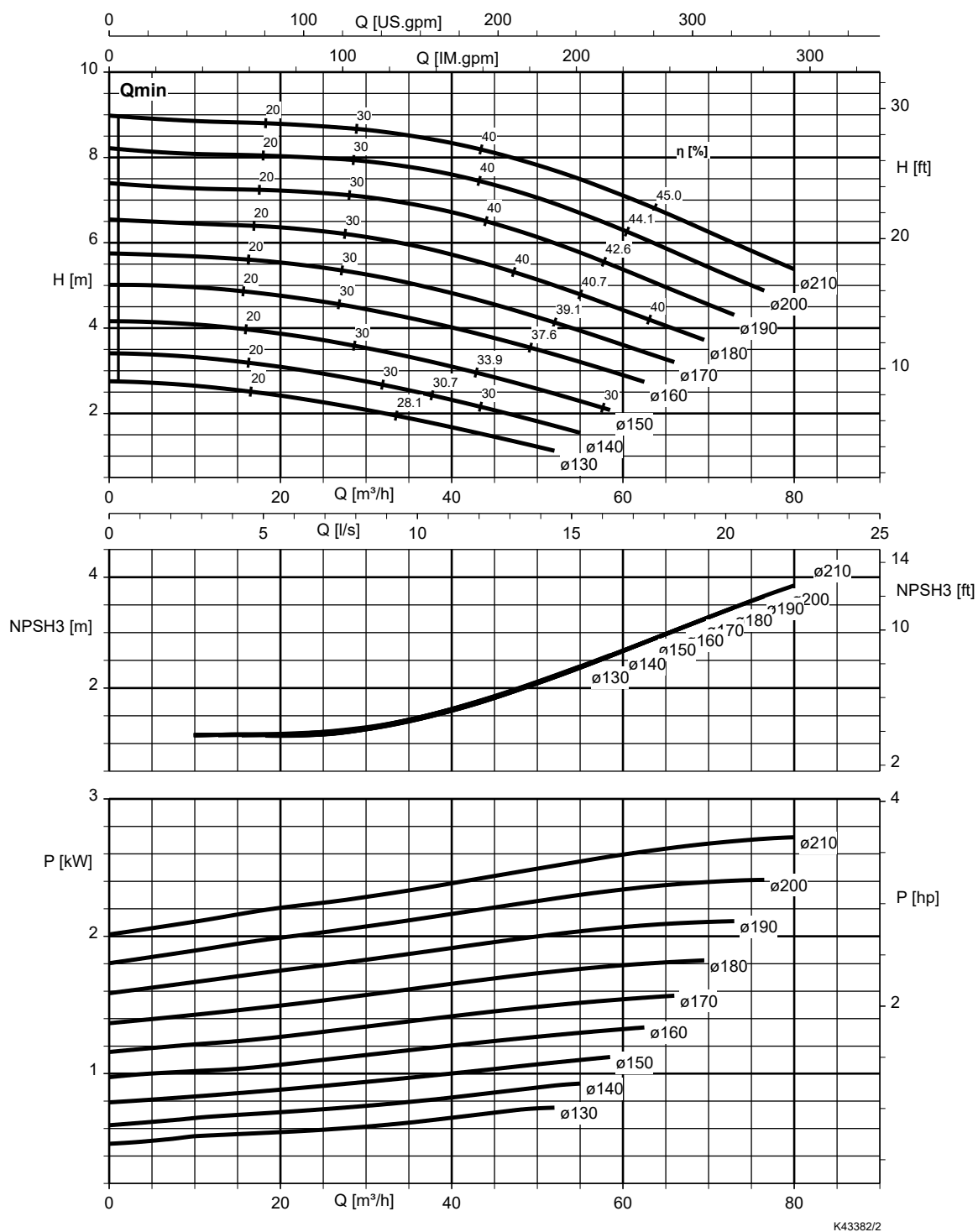
Free passage = 76 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH					C1, C2	
	Installation type					Installation type	
	D	K	H	P	S	P	S
44_E_	-	-	-	X	X	X	X
54_E_	-	-	-	X	X	X	X
74_E_	-	-	-	X	X	X	X
114_E_	X	X	X	X	X	X	X
154_E_	X	X	X	X	X	X	X
154_F_	X	X	X	-	-	-	-
184_E_	X	X	X	X	X	X	X
184_F_	X	X	X	-	-	-	-
224_E_	X	X	X	X	X	X	X
224_F_	X	X	X	-	-	-	-

Amarex KRT F 100-215, n = 1450 rpm

Characteristic curves to ISO 9906 Class 3B, below 10 kW to § 4.4.2. n = nominal speed



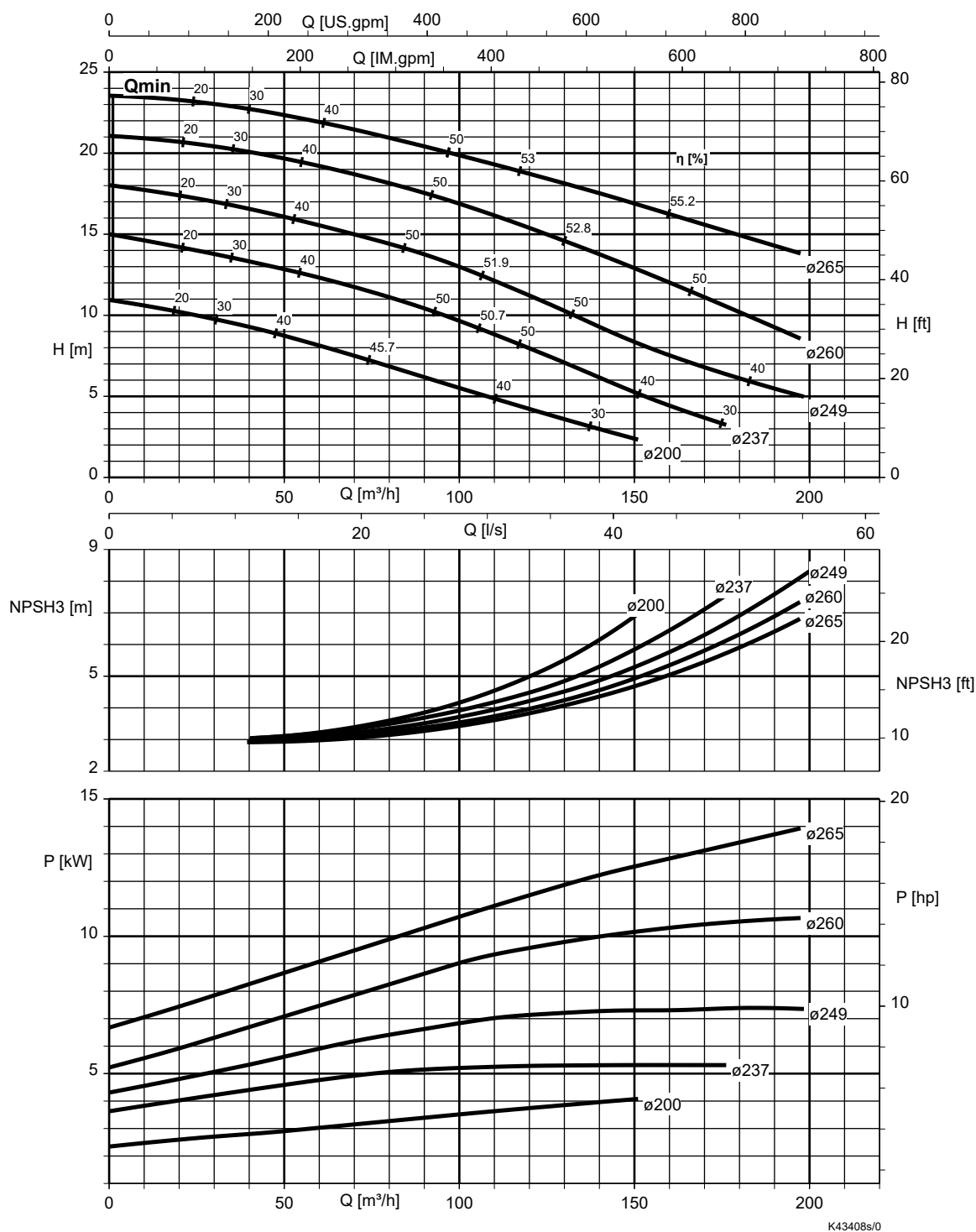
Free passage = 100 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH				
	Installation type				
	D	K	H	P	S
24_E_	-	-	-	X	X
34_E_	-	-	-	X	X
44_E_	-	-	-	X	X
54_E_	-	-	-	X	X
74_E_	-	-	-	X	X
114_E_	X	X	X	X	X
154_E_	X	X	X	X	X
184_E_	X	X	X	X	X
224_E_	X	X	X	X	X

Amarex KRT F 100-254, n = 1450 rpm

Characteristic curves to ISO 9906 Class 3B, below 10 kW to § 4.4.2. n = nominal speed



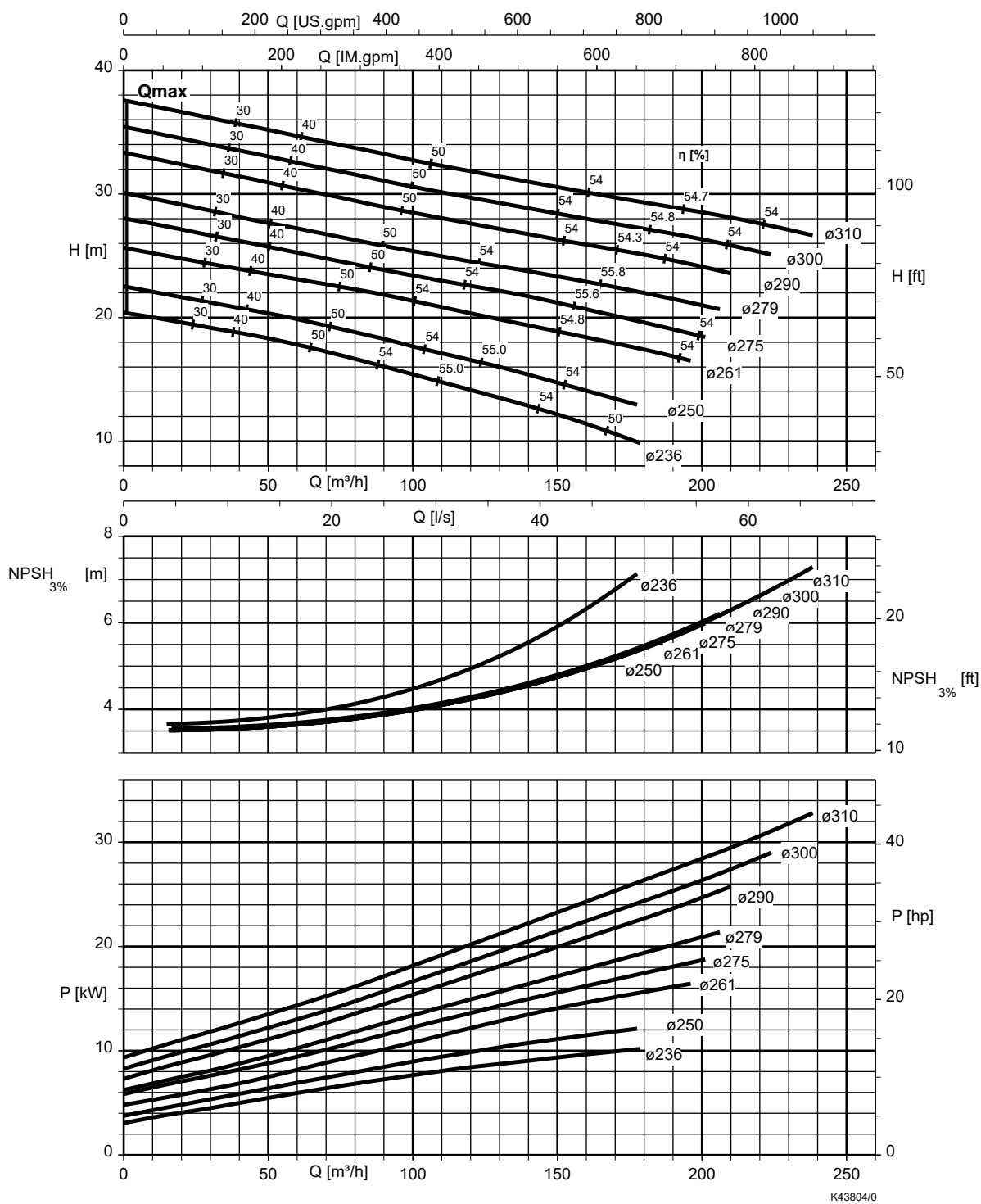
Free passage = 100 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH					C1, C2	
	Installation type					Installation type	
	D	K	H	P	S	P	S
44_E_	-	-	-	X	X	X	X
54_E_	-	-	-	X	X	X	X
74_E_	-	-	-	X	X	X	X
114_E_	X	X	X	X	X	X	X
154_E_	X	X	X	X	X	X	X
154_F_	X	X	X	-	-	-	-
184_E_	X	X	X	X	X	X	X
184_F_	X	X	X	-	-	-	-
224_E_	X	X	X	X	X	X	X
224_F_	X	X	X	-	-	-	-

Amarex KRT F 100-316, n = 1450 rpm

Characteristic curves to ISO 9906 Class 3B, below 10 kW to § 4.4.2. n = nominal speed



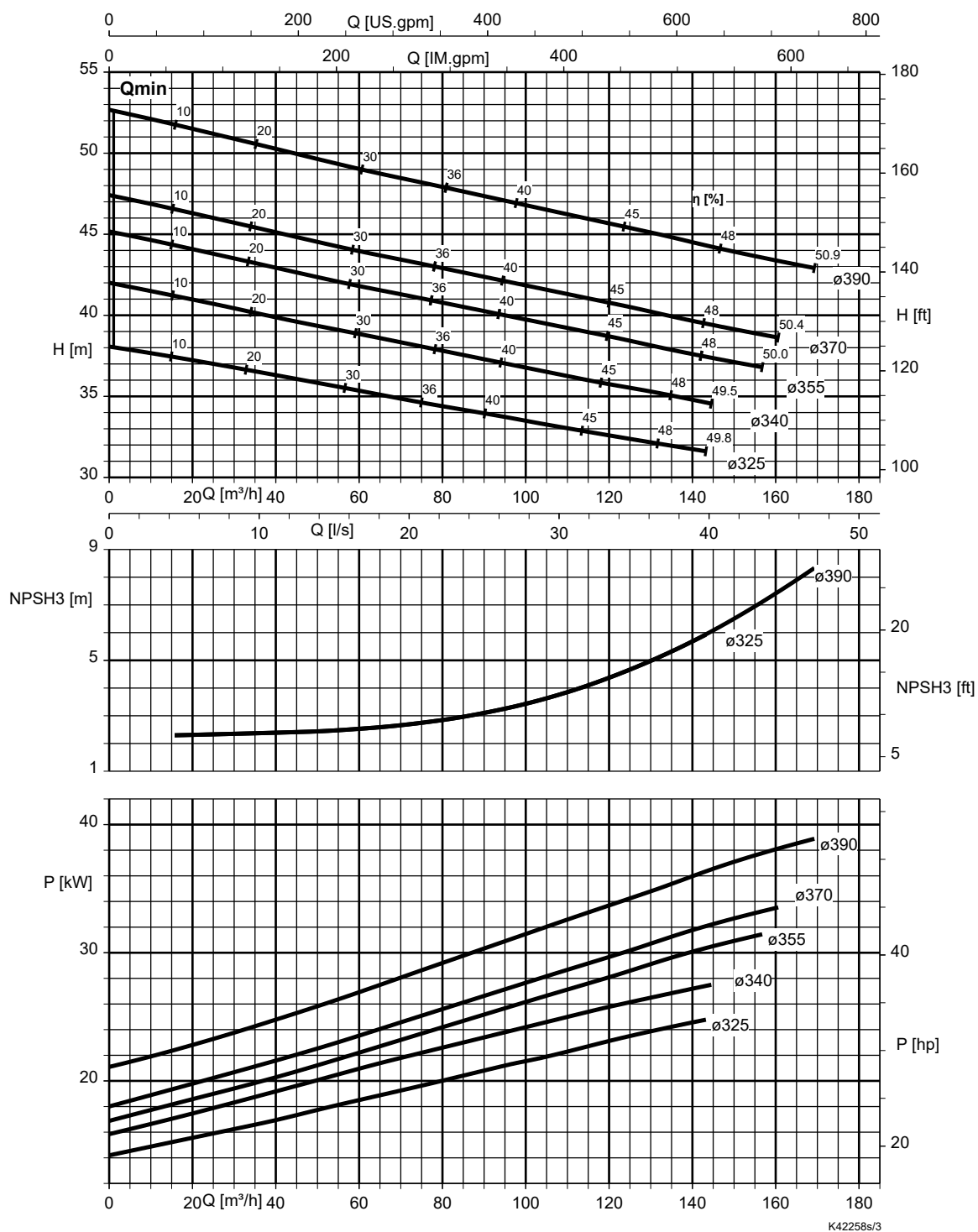
Free passage = 100 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH					C1, C2	
	Installation type					Installation type	
	D	K	H	P	S	P	S
114_E_	X	X	X	X	X	X	X
154_E_	X	X	X	X	X	X	X
154_F_	X	X	X	-	-	-	-
184_E_	X	X	X	X	X	X	X
184_F_	X	X	X	-	-	-	-
224_E_	X	X	X	X	X	X	X
224_F_	X	X	X	-	-	-	-
304_E_	-	-	-	X	X	X	X
304_F_	X	X	X	-	-	-	-
374_E_	-	-	-	X	X	X	X
374_F_	X	X	X	-	-	-	-
454_E_	-	-	-	X	X	X	X
554_E_	-	-	-	X	X	X	X
554_F_	X	X	X	-	-	-	-

Amarex KRT F 100-401, n = 1450 rpm

Characteristic curves to ISO 9906 Class 3B, below 10 kW to § 4.4.2. n = nominal speed



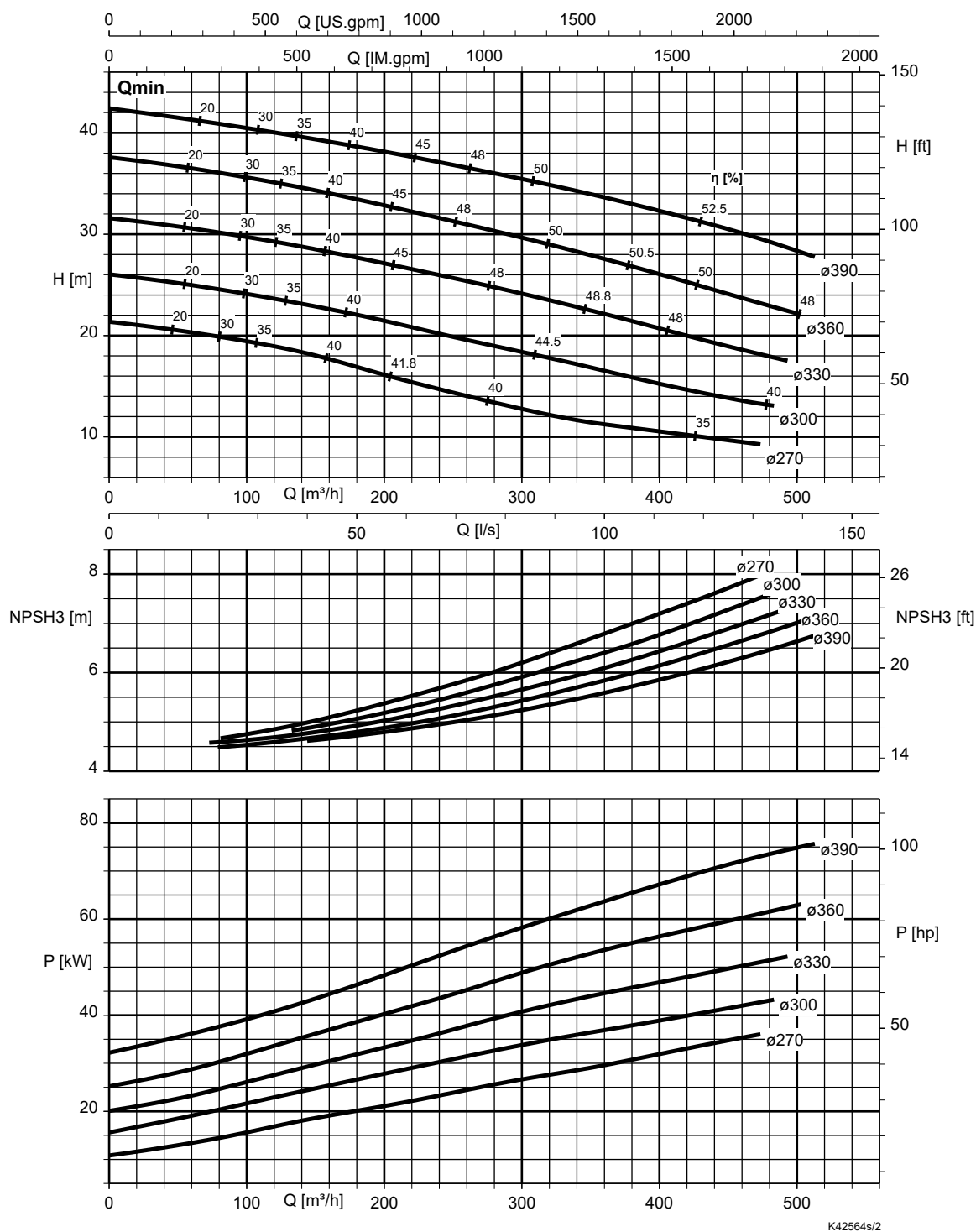
Free passage = 100 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH					C1, C2	
	Installation type					Installation type	
	D	K	H	P	S	P	S
304_E_	-	-	-	X	X	X	X
304_F_	X	X	X	-	-	-	-
374_E_	-	-	-	X	X	X	X
374_F_	X	X	X	-	-	-	-
454_E_	-	-	-	X	X	X	X
554_E_	-	-	-	X	X	X	X
554_F_	X	X	X	-	-	-	-
654_E_	-	-	-	X	X	X	X
654_F_	X	X	X	-	-	-	-
754_E_	-	-	-	X	X	X	X
754_F_	X	X	X	-	-	-	-

Amarex KRT F 150-401, n = 1450 rpm

Characteristic curves to ISO 9906 Class 3B, below 10 kW to § 4.4.2. n = nominal speed



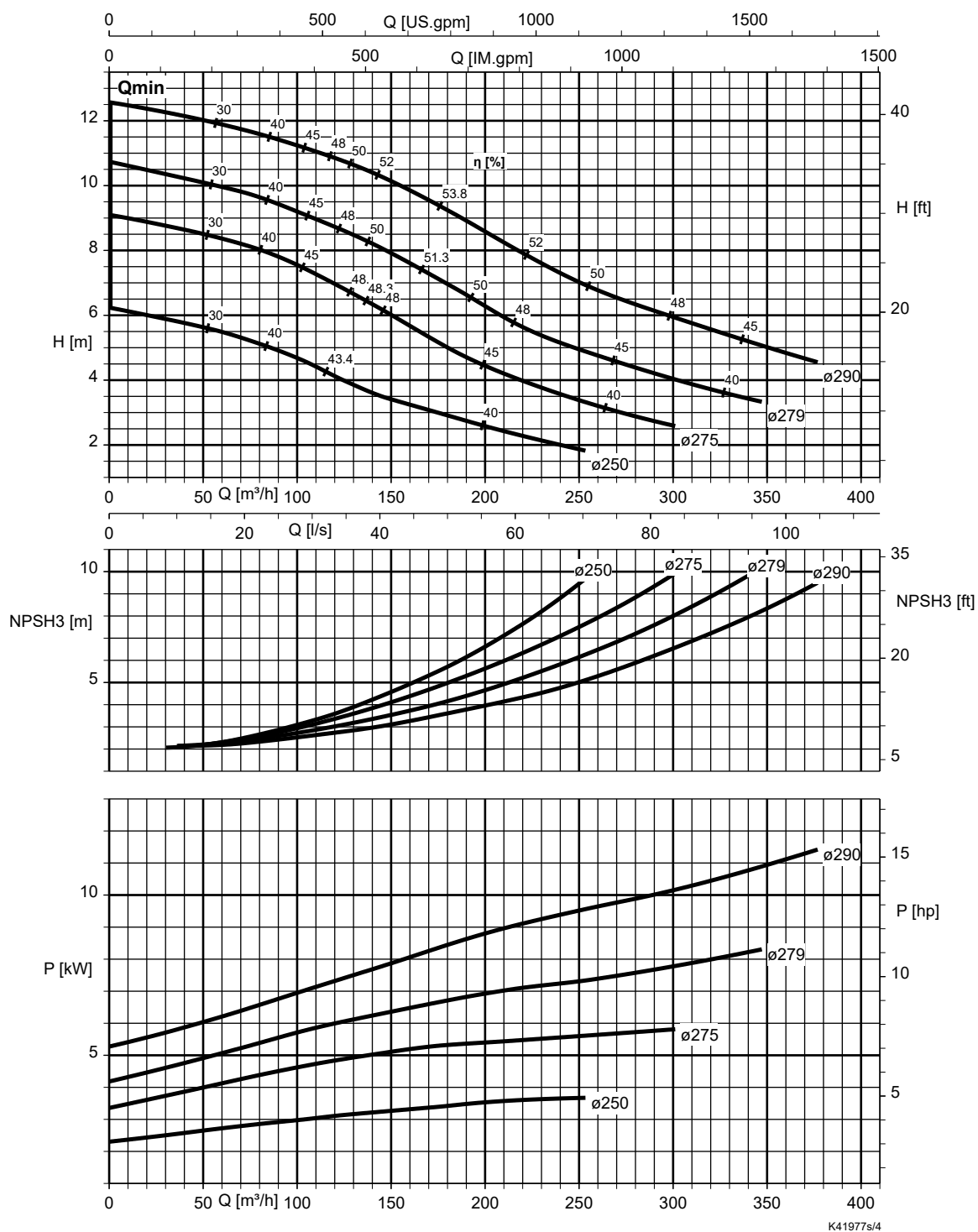
Free passage = 135 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH					C1, C2	
	Installation type					Installation type	
	D	K	H	P	S	P	S
304_E_	-	-	-	X	X	-	-
304_F_	X	X	X	-	-	-	-
374_E_	-	-	-	X	X	-	-
374_F_	X	X	X	-	-	-	-
454_E_	-	-	-	X	X	X	X
554_E_	-	-	-	X	X	X	X
554_F_	X	X	X	-	-	-	-
654_E_	-	-	-	X	X	X	X
654_F_	X	X	X	-	-	-	-
754_E_	-	-	-	X	X	X	X
754_F_	X	X	X	-	-	-	-
804_N_	X	X	-	X	X	X	X
954_N_	X	X	-	X	X	X	X

Amarex KRT F 150-315, n = 960 rpm

Characteristic curves to ISO 9906 Class 3B, below 10 kW to § 4.4.2. n = nominal speed



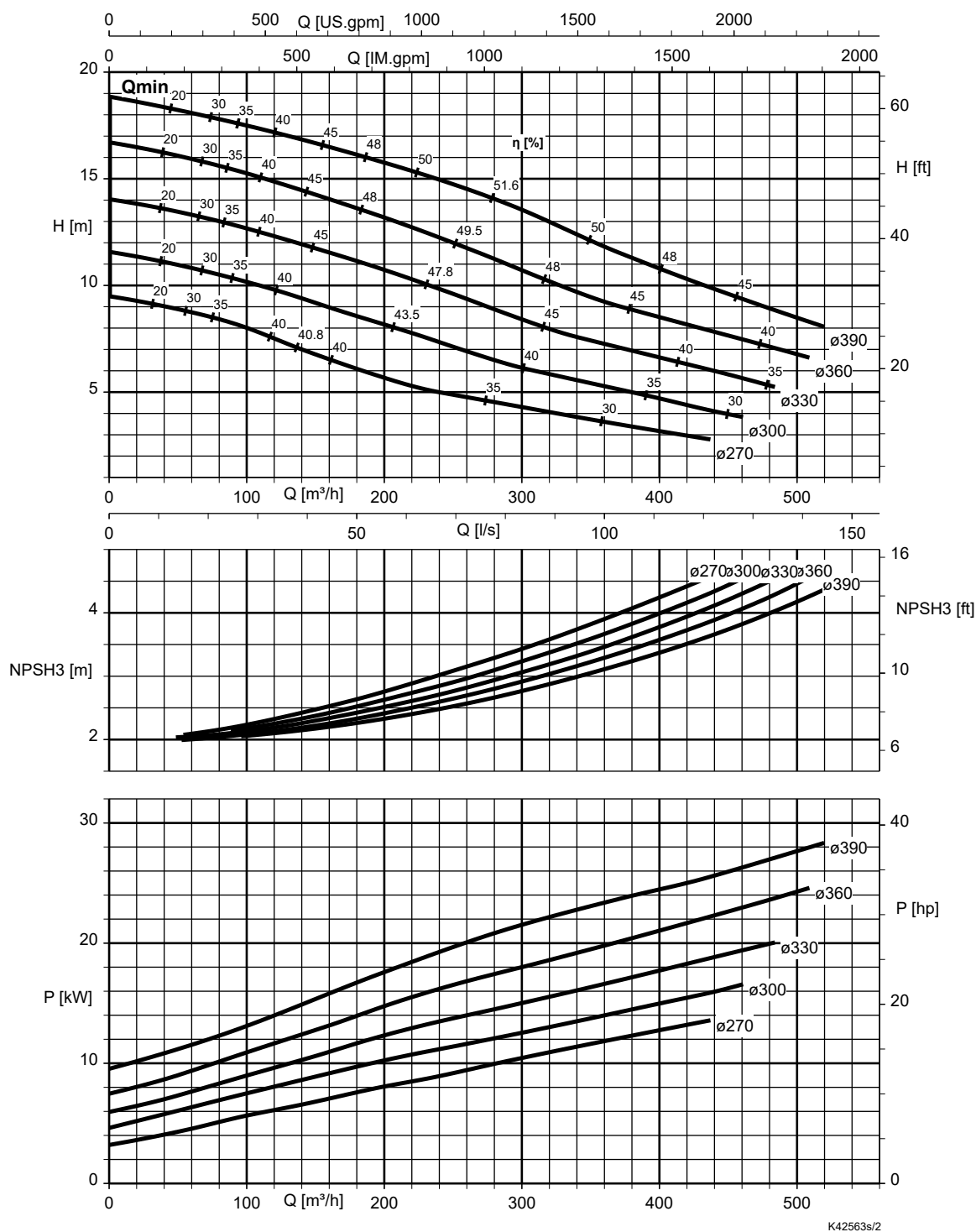
Free passage = 120 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH					C1, C2	
	Installation type					Installation type	
	D	K	H	P	S	P	S
76_E_	X	X	X	X	X	X	X
116_E_	X	X	X	X	X	X	X
156_E_	X	X	X	X	X	X	X
156_F_	X	X	X	-	-	-	-
186_E_	X	X	X	X	X	X	X
186_F_	X	X	X	-	-	-	-
226_E_	-	-	-	X	X	X	X
226_F_	X	X	X	-	-	-	-

Amarex KRT F 150-401, n = 960 rpm

Characteristic curves to ISO 9906 Class 3B, below 10 kW to § 4.4.2. n = nominal speed



Free passage = 135 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH					C1, C2	
	Installation type					Installation type	
	D	K	H	P	S	P	S
226_E_	-	-	-	X	X	-	-
226_F_	X	X	X	-	-	-	-
306_E_	-	-	-	X	X	-	-
306_F_	X	X	X	-	-	-	-
316_E_	-	-	-	X	X	X	X
316_F_	X	X	X	-	-	-	-
376_E_	-	-	-	X	X	X	X
376_F_	X	X	X	-	-	-	-
456_E_	-	-	-	X	X	X	X
456_F_	X	X	X	-	-	-	-
556_E_	-	-	-	X	X	X	X
556_F_	X	X	X	-	-	-	-

E impeller

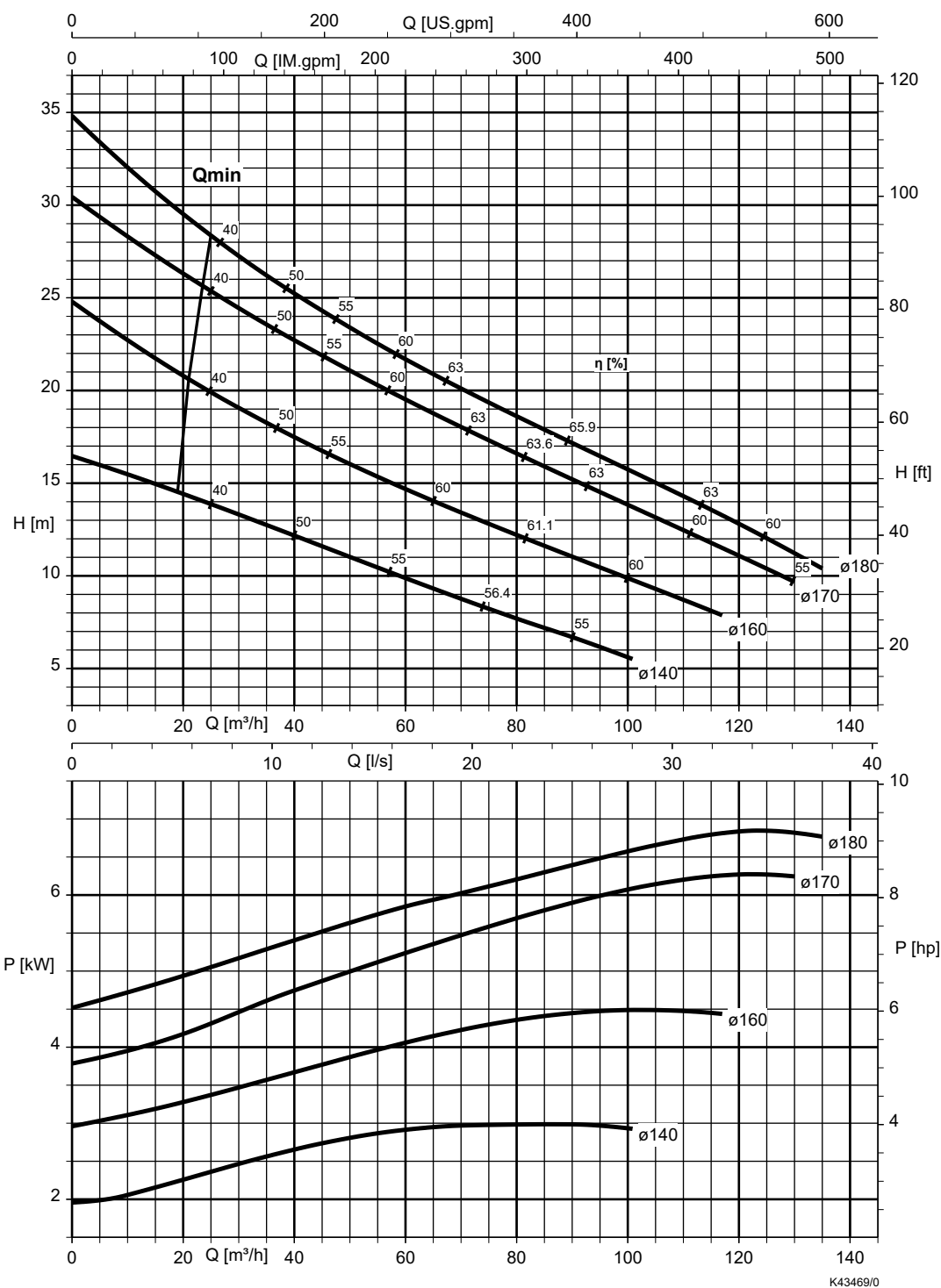
Characteristic curves for E impeller



Fig. 3: E impeller

Amarex KRT E 65-216, n = 2900 rpm

Characteristic curves to ISO 9906 Class 3B, below 10 kW to § 4.4.2. n = nominal speed



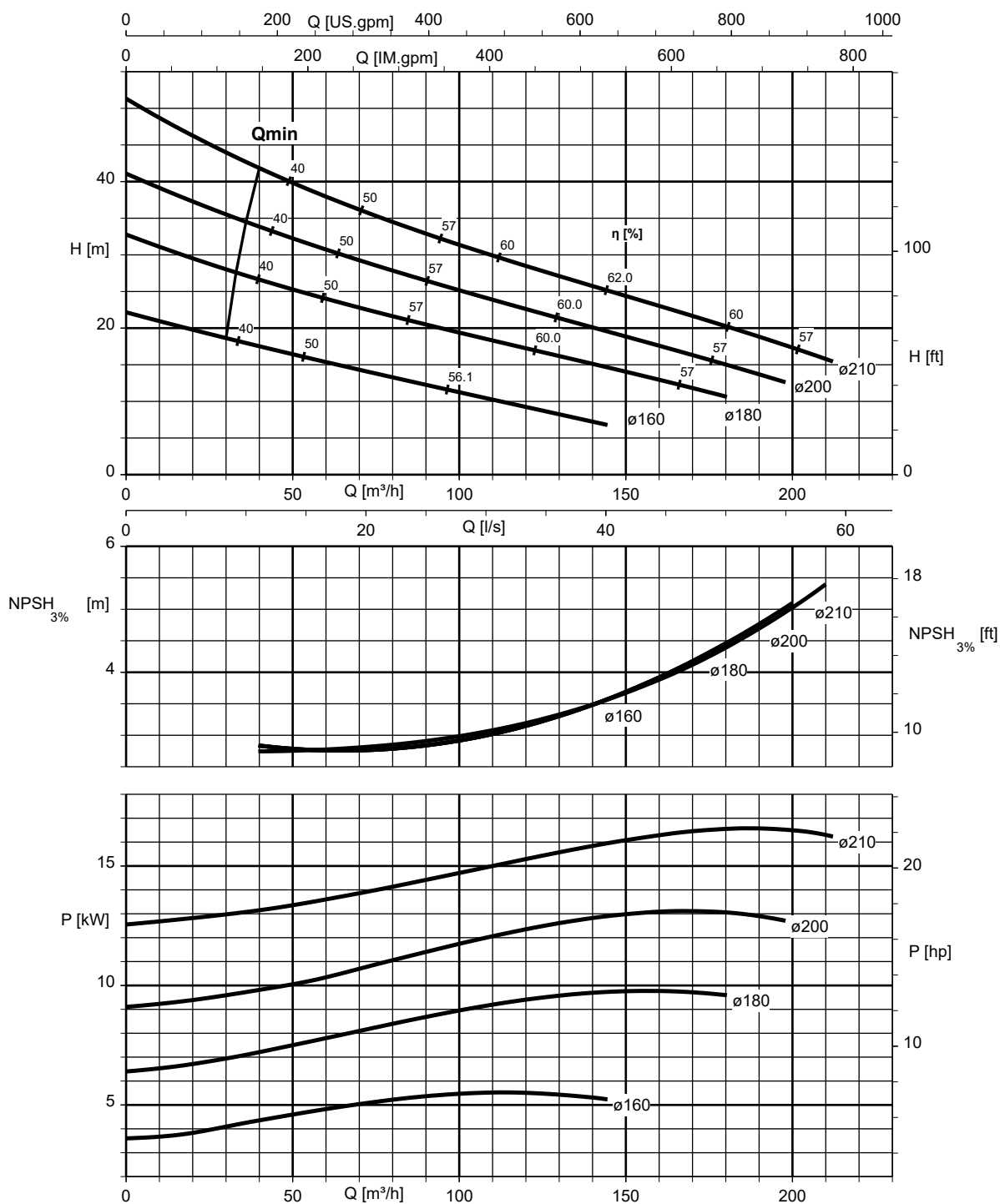
Free passage = 65 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH				
	Installation type				
	D	K	H	P	S
42_E_	-	-	-	X	X
52_E_	-	-	-	X	X
72_E_	-	-	-	X	X
112_E_	-	-	-	X	X
152_E_	-	-	-	X	X
182_E_	-	-	-	X	X
222_E_	-	-	-	X	X
262_E_	-	-	-	X	X

Amarex KRT E 80-216, n = 2900 rpm

Characteristic curves to ISO 9906 Class 3B, below 10 kW to § 4.4.2. n = nominal speed



K43473/1

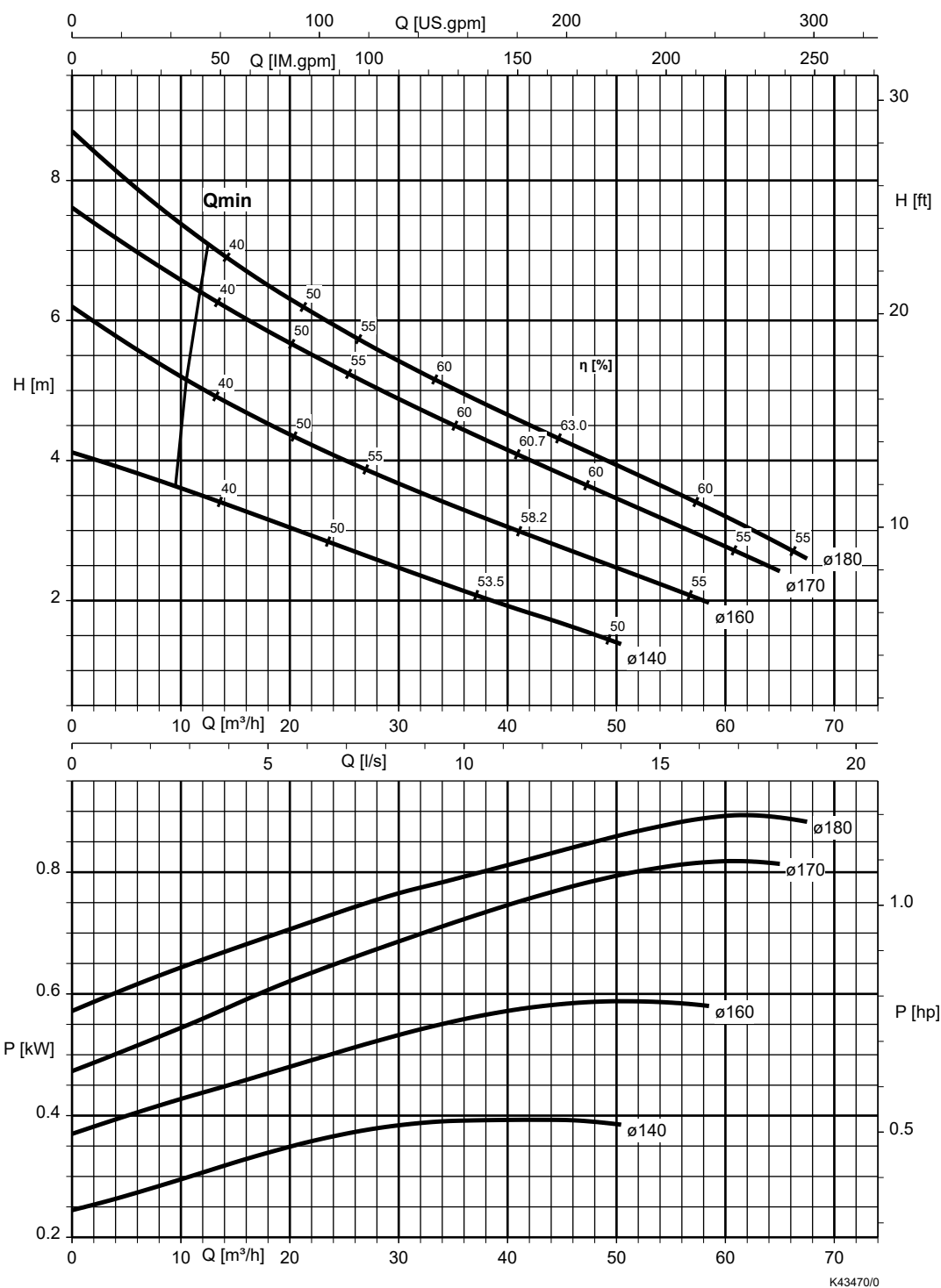
Free passage = 76 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH				
	Installation type				
	D	K	H	P	S
72_E_	-	-	-	X	X
112_E_	-	-	-	X	X
152_E_	-	-	-	X	X
182_E_	-	-	-	X	X
222_E_	-	-	-	X	X
262_E_	-	-	-	X	X

Amarex KRT E 65-216, n = 1450 rpm

Characteristic curves to ISO 9906 Class 3B, below 10 kW to § 4.4.2. n = nominal speed



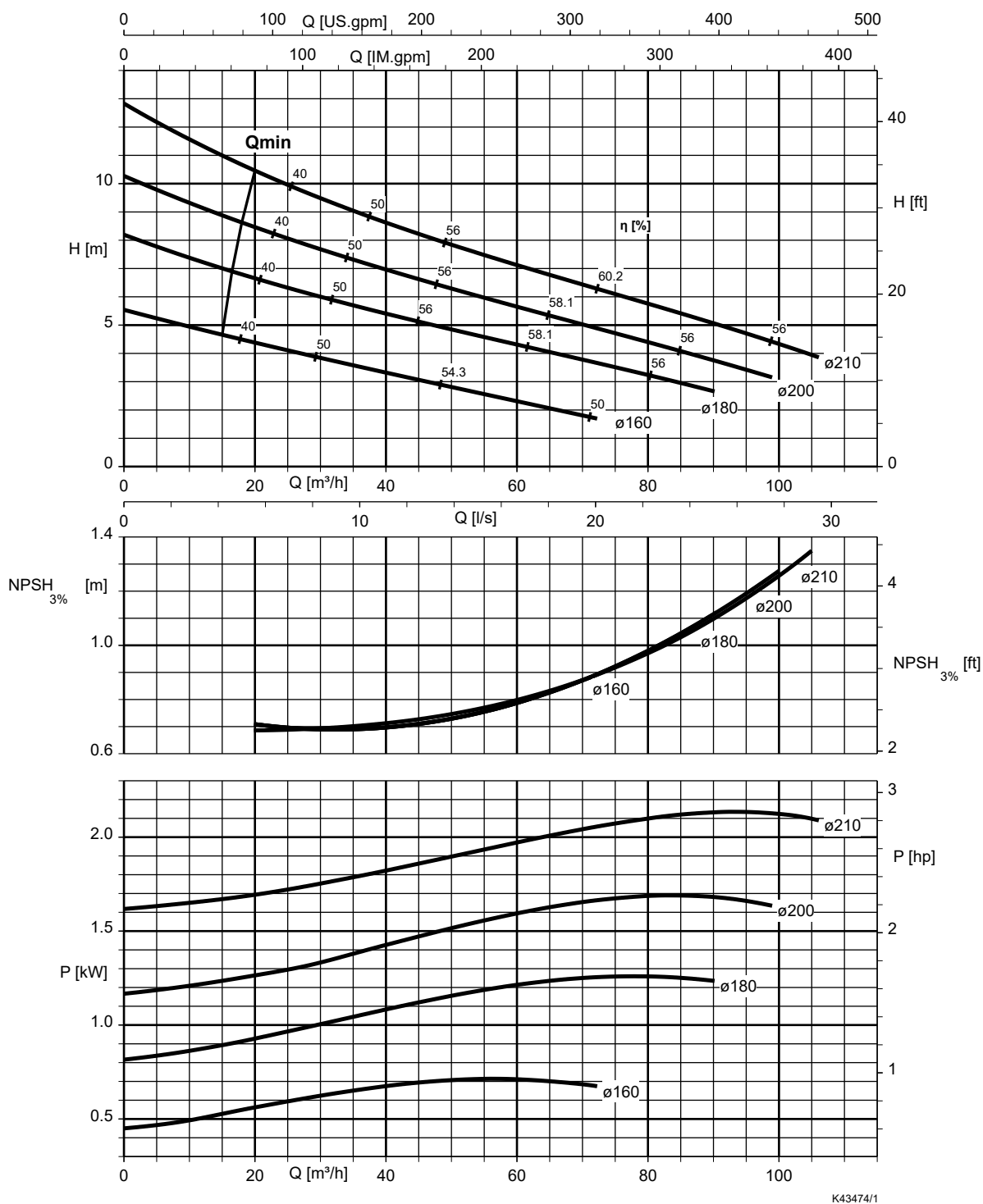
Free passage = 65 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH				
	Installation type				
	D	K	H	P	S
24_E_	-	-	-	X	X
34_E_	-	-	-	X	X
44_E_	-	-	-	X	X
54_E_	-	-	-	X	X

Amarex KRT E 80-216, n = 1450 rpm

Characteristic curves to ISO 9906 Class 3B, below 10 kW to § 4.4.2. n = nominal speed



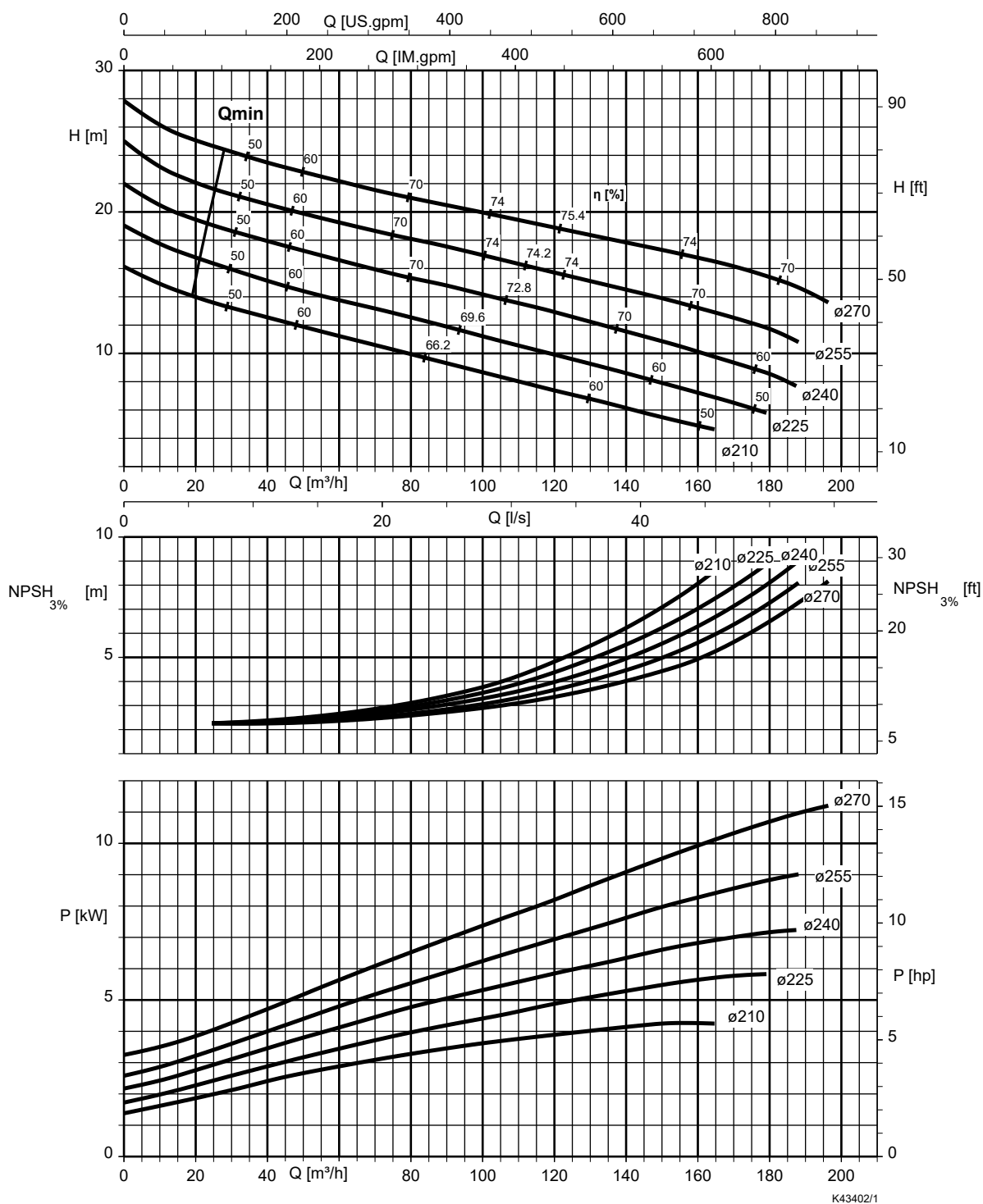
Free passage = 76 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH				
	Installation type				
	D	K	H	P	S
24_E_	-	-	-	X	X
34_E_	-	-	-	X	X
44_E_	-	-	-	X	X
54_E_	-	-	-	X	X
74_E_	-	-	-	X	X
114_E_	-	-	-	X	X
154_E_	-	-	-	X	X
184_E_	-	-	-	X	X
224_E_	-	-	-	X	X

Amarex KRT E 80-253, n = 1450 rpm

Characteristic curves to ISO 9906 Class 3B, below 10 kW to § 4.4.2. n = nominal speed



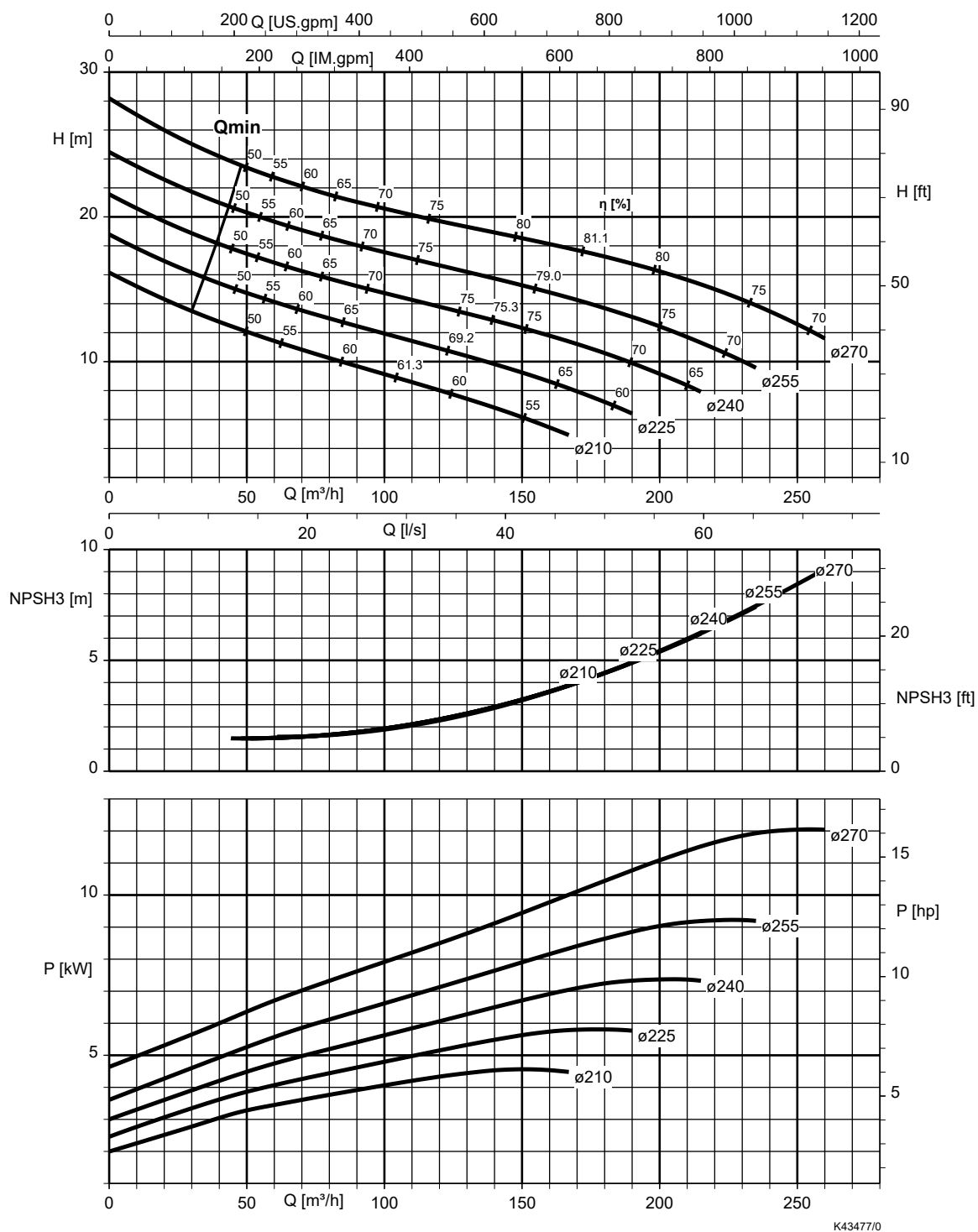
Free passage = 76 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH				
	Installation type				
	D	K	H	P	S
44_E_	-	-	-	X	X
54_E_	-	-	-	X	X
74_E_	-	-	-	X	X
114_E_	X	X	X	X	X
154_E_	X	X	X	X	X
154_F_	X	X	X	-	-
184_E_	X	X	X	X	X
184_F_	X	X	X	-	-
224_E_	X	X	X	X	X
224_F_	X	X	X	-	-

Amarex KRT E 100-253, n = 1450 rpm

Characteristic curves to ISO 9906 Class 3B, below 10 kW to § 4.4.2. n = nominal speed



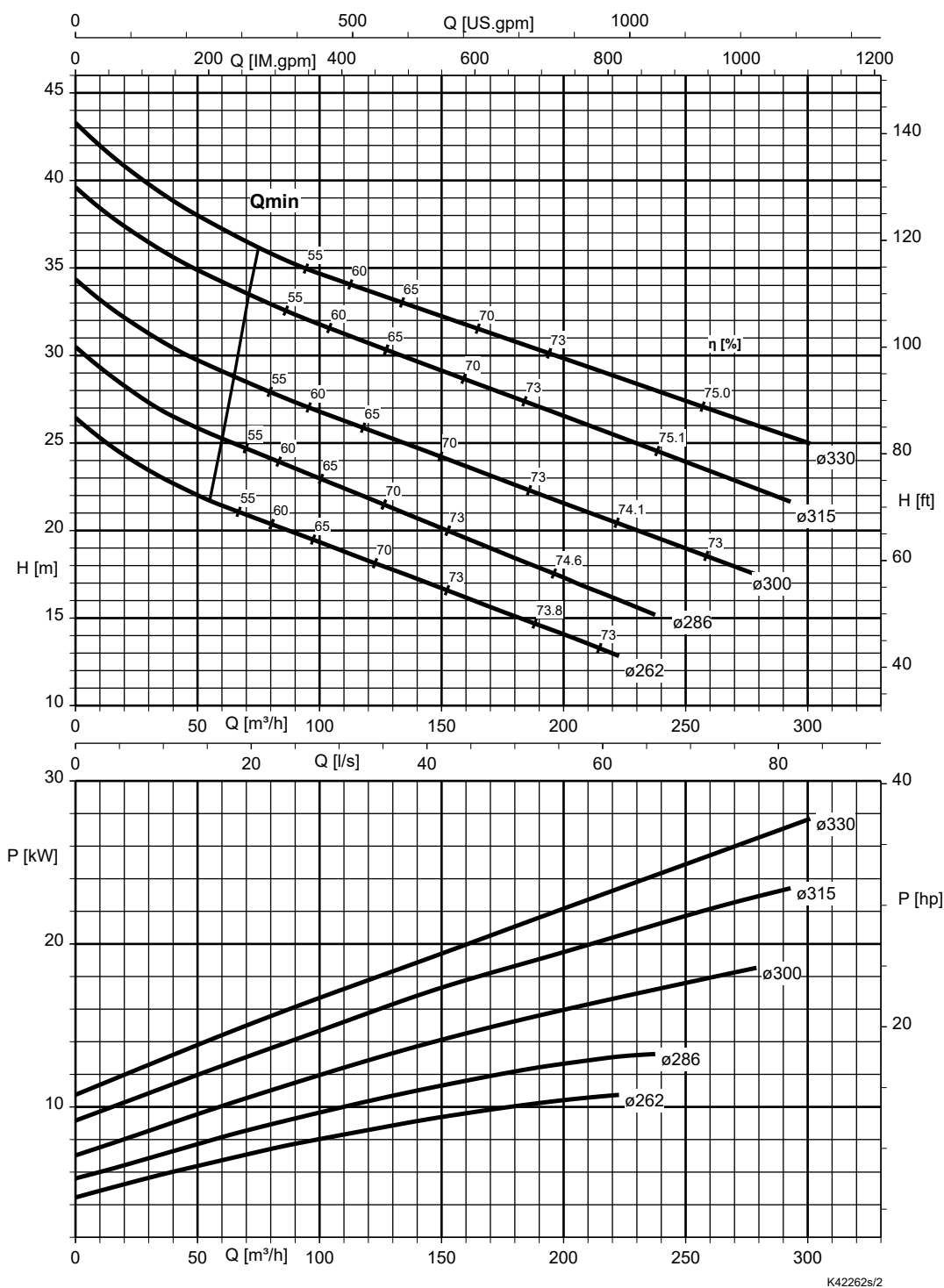
Free passage = 76 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH				
	Installation type				
	D	K	H	P	S
54_E_	-	-	-	X	X
74_E_	-	-	-	X	X
114_E_	X	X	X	X	X
154_E_	X	X	X	X	X
154_F_	X	X	X	-	-
184_E_	X	X	X	X	X
184_F_	X	X	X	-	-
224_E_	X	X	X	X	X
224_F_	X	X	X	-	-

Amarex KRT E 100-315, n = 1450 rpm

Characteristic curves to ISO 9906 Class 3B, below 10 kW to § 4.4.2. n = nominal speed



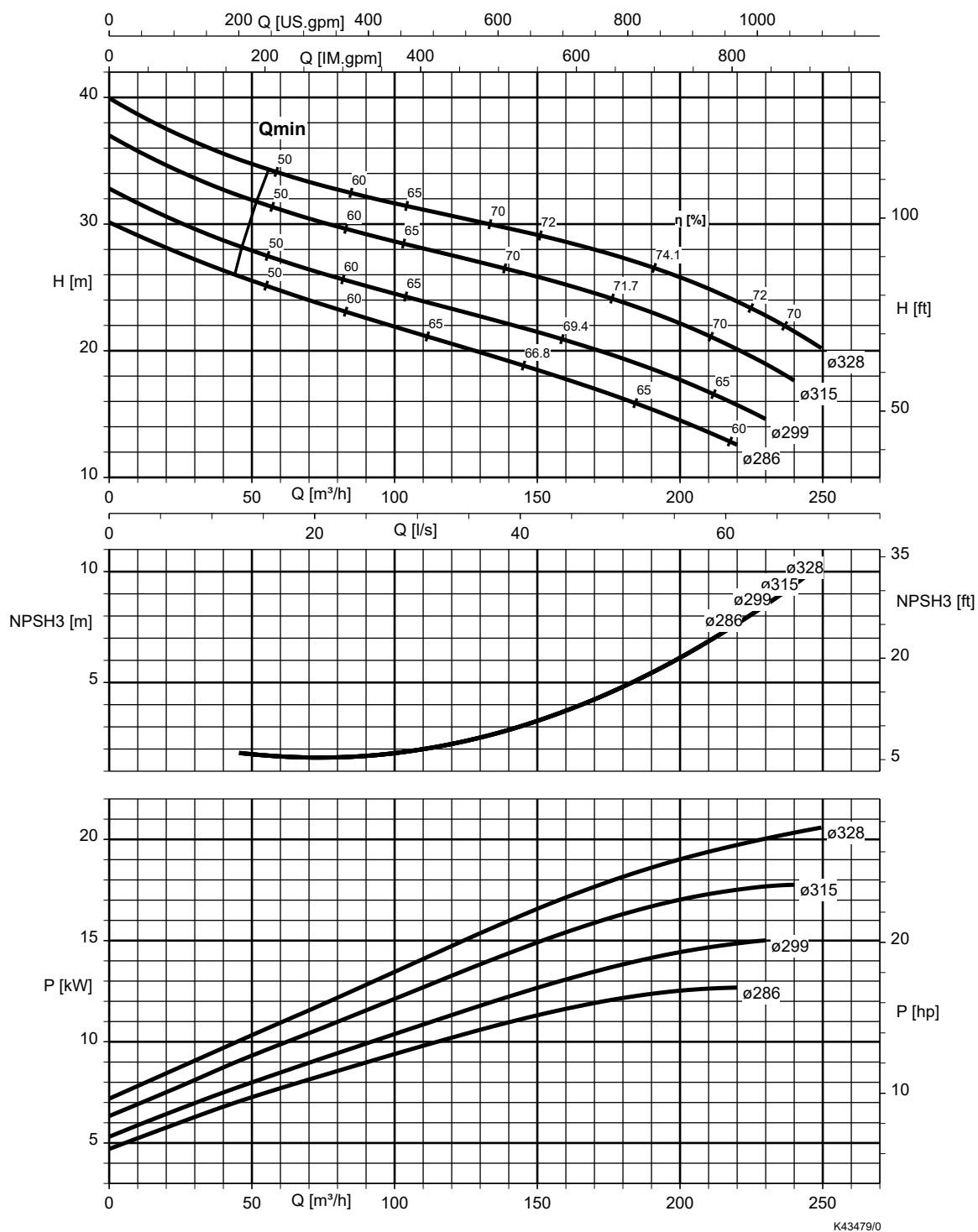
Free passage = 100 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH				
	Installation type				
	D	K	H	P	S
114_E_	-	-	-	X	X
154_E_	-	-	-	X	X
184_E_	-	-	-	X	X
224_E_	-	-	-	X	X
304_E_	-	-	-	X	X
374_E_	-	-	-	X	X

Amarex KRT E 100-317, n = 1450 rpm

Characteristic curves to ISO 9906 Class 3B, below 10 kW to § 4.4.2. n = nominal speed



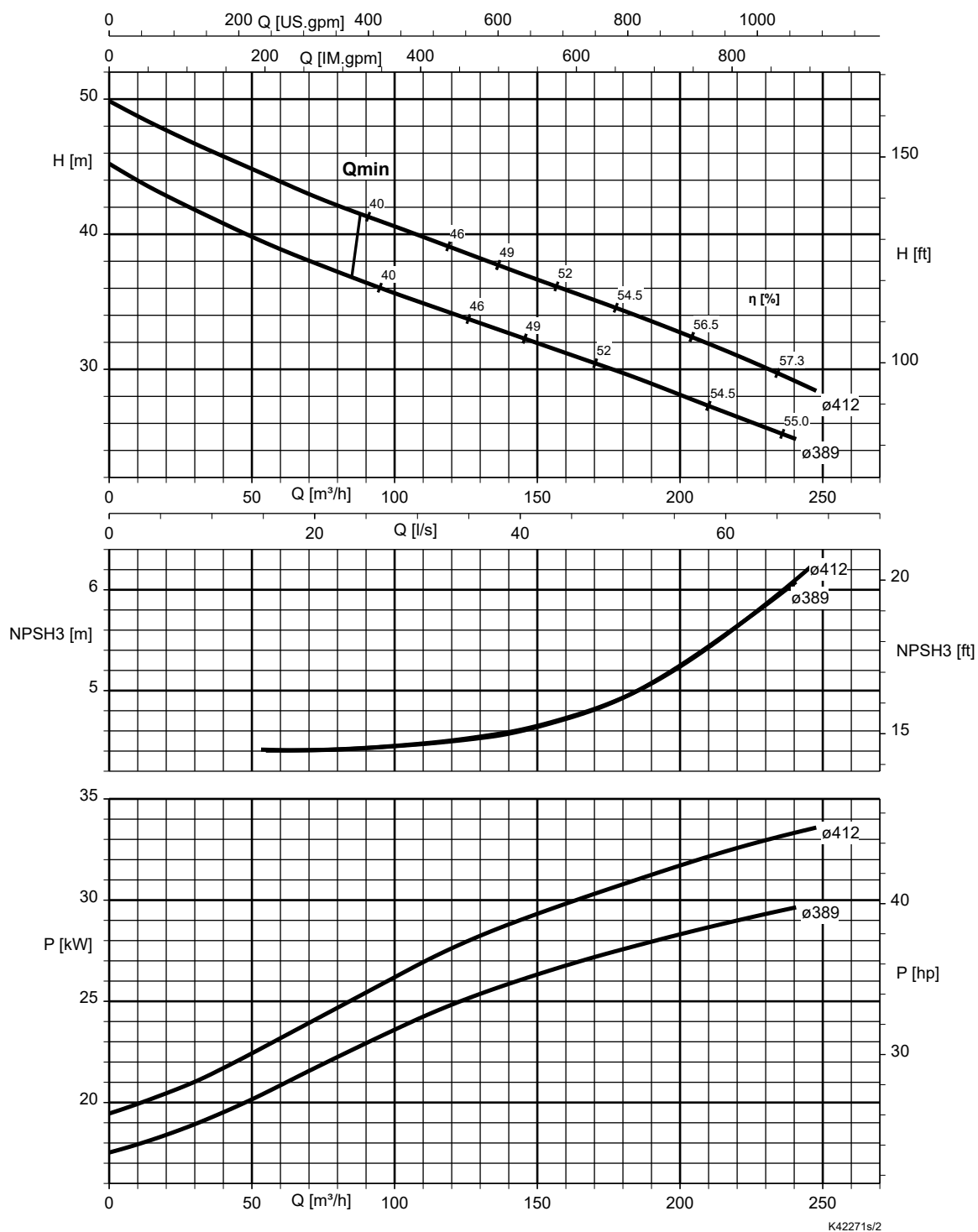
Free passage = 76 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH				
	Installation type				
	D	K	H	P	S
74_E_	-	-	-	X	X
114_E_	X	X	X	X	X
154_E_	X	X	X	X	X
154_F_	X	X	X	-	-
184_E_	X	X	X	X	X
184_F_	X	X	X	-	-
224_E_	X	X	X	X	X
224_F_	X	X	X	-	-
304_E_	-	-	-	X	X
304_F_	X	X	X	-	-
374_E_	-	-	-	X	X
374_F_	X	X	X	-	-

Amarex KRT E 100-401, n = 1450 rpm

Characteristic curves to ISO 9906 Class 3B, below 10 kW to § 4.4.2. n = nominal speed



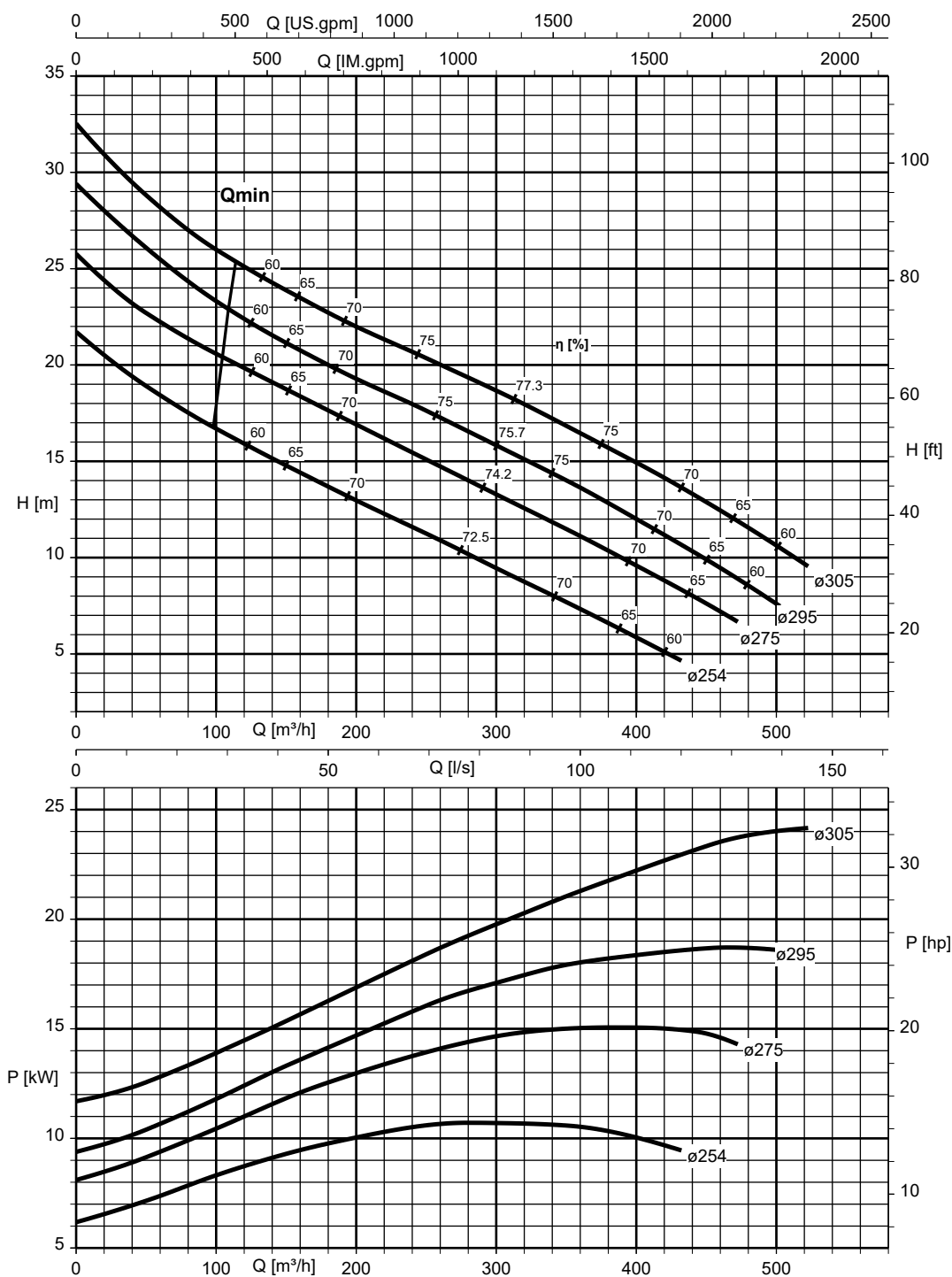
Free passage = 80 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH				
	Installation type				
	D	K	H	P	S
304_E_	-	-	-	X	X
304_F_	X	X	X	-	-
374_E_	-	-	-	X	X
374_F_	X	X	X	-	-
454_E_	-	-	-	X	X
554_E_	-	-	-	X	X
554_F_	X	X	X	-	-
654_E_	-	-	-	X	X
654_F_	X	X	X	-	-
754_E_	-	-	-	X	X
754_F_	X	X	X	-	-

Amarex KRT E 150-317, n = 1450 rpm

Characteristic curves to ISO 9906 Class 3B, below 10 kW to § 4.4.2. n = nominal speed



K43416s/0

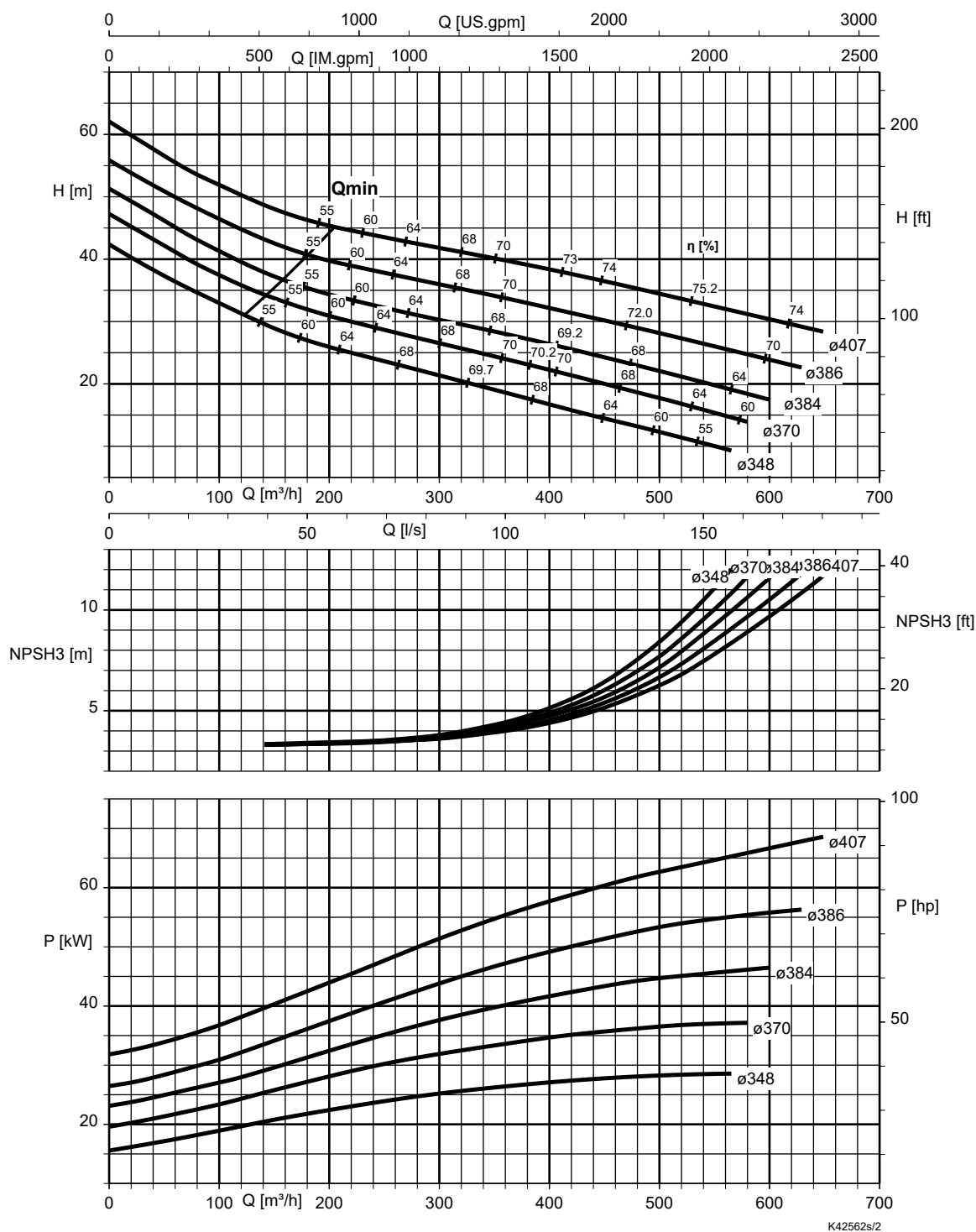
Free passage = 110 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH				
	Installation type				
	D	K	H	P	S
74_E_	-	-	-	X	X
114_E_	-	-	-	X	X
154_E_	-	-	-	X	X
154_F_	X	X	X	-	-
184_E_	-	-	-	X	X
184_F_	X	X	X	-	-
224_E_	-	-	-	X	X
224_F_	X	X	X	-	-
304_E_	-	-	-	X	X
304_F_	X	X	X	-	-
374_E_	-	-	-	X	X
374_F_	X	X	X	-	-
554_F_	X	X	X	-	-

Amarex KRT E 150-401, n = 1450 rpm

Characteristic curves to ISO 9906 Class 3B, below 10 kW to § 4.4.2. n = nominal speed



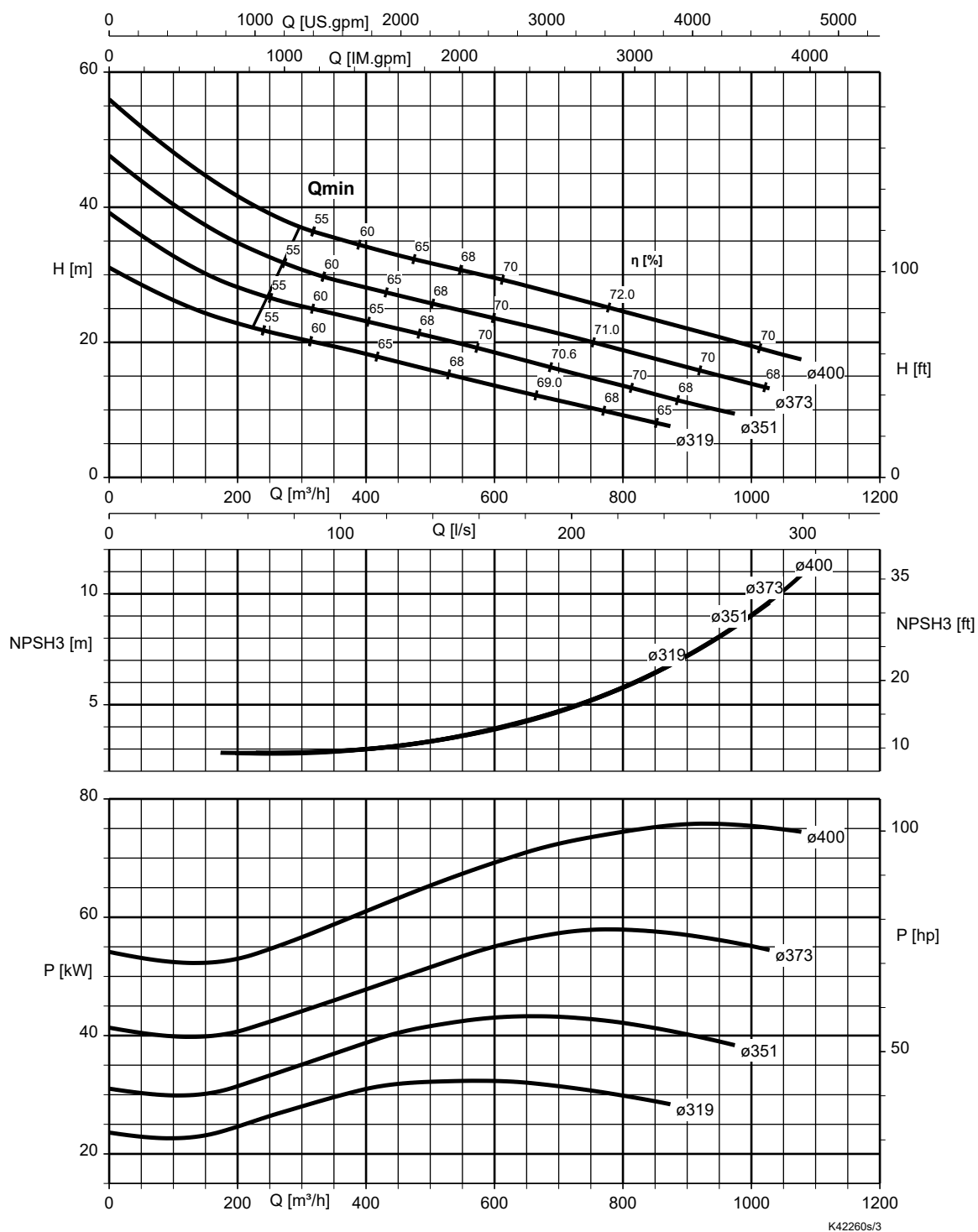
Free passage = 115 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH				
	Installation type				
	D	K	H	P	S
304_E_	-	-	-	X	X
304_F_	X	X	X	-	-
374_E_	-	-	-	X	X
374_F_	X	X	X	-	-
454_E_	-	-	-	X	X
554_E_	-	-	-	X	X
554_F_	X	X	X	-	-
654_E_	-	-	-	X	X
654_F_	X	X	X	-	-
754_E_	-	-	-	X	X
754_F_	X	X	X	-	-
804_N_	X	X	-	X	X
954_N_	X	X	-	X	X

Amarex KRT E 200-401, n = 1450 rpm

Characteristic curves to ISO 9906 Class 3B, below 10 kW to § 4.4.2. n = nominal speed



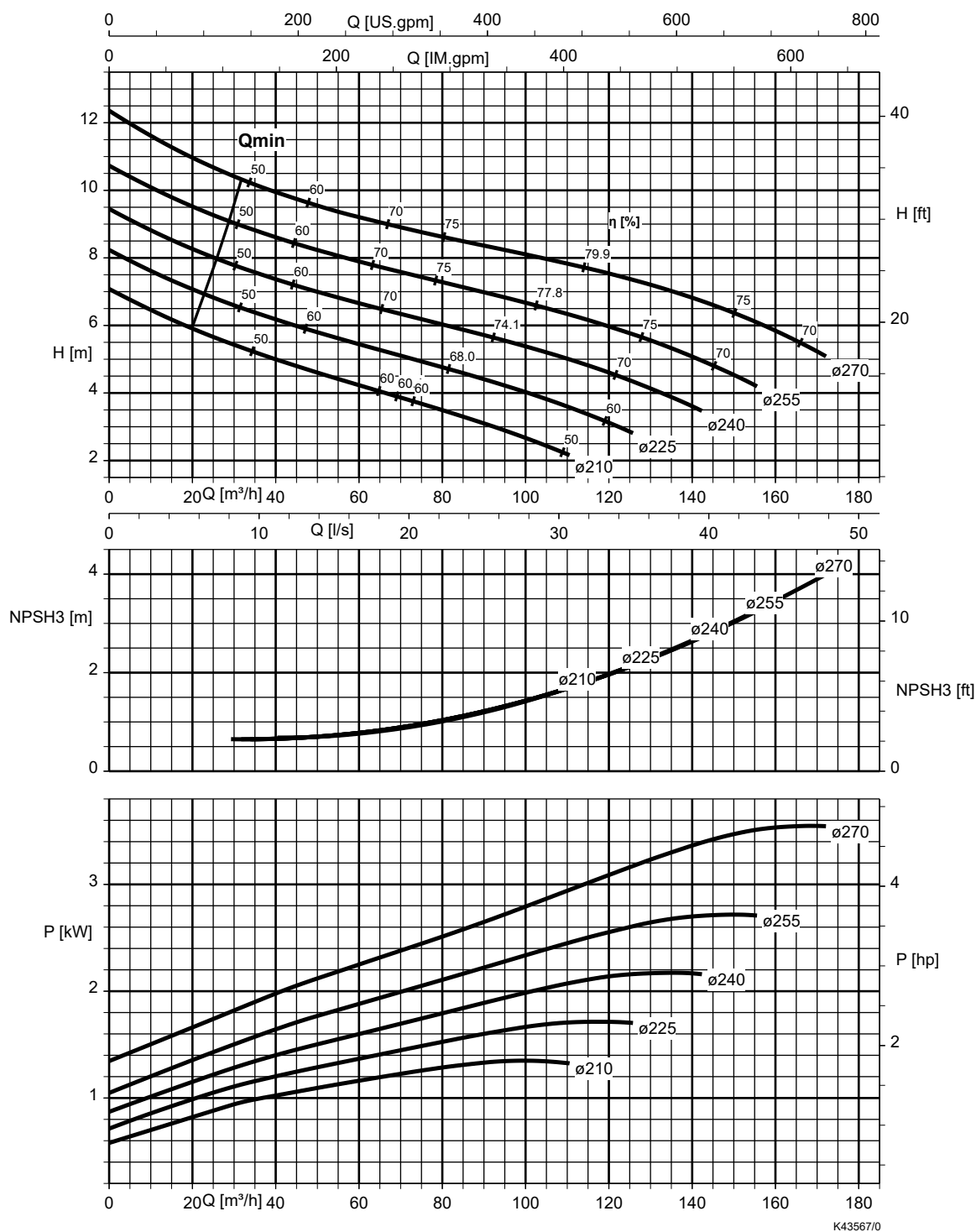
Free passage = 120 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH				
	Installation type				
	D	K	H	P	S
374_E_	-	-	-	X	X
374_F_	X	X	X	-	-
454_E_	-	-	-	X	X
554_E_	-	-	-	X	X
554_F_	X	X	X	-	-
654_E_	-	-	-	X	X
654_F_	X	X	X	-	-
754_E_	-	-	-	X	X
754_F_	X	X	X	-	-
804_N_	X	X	-	X	X
954_N_	X	X	-	X	X
1104_N_	X	X	-	X	X

Amarex KRT E 100-253, n = 960 rpm

Characteristic curves to ISO 9906 Class 3B, below 10 kW to § 4.4.2. n = nominal speed



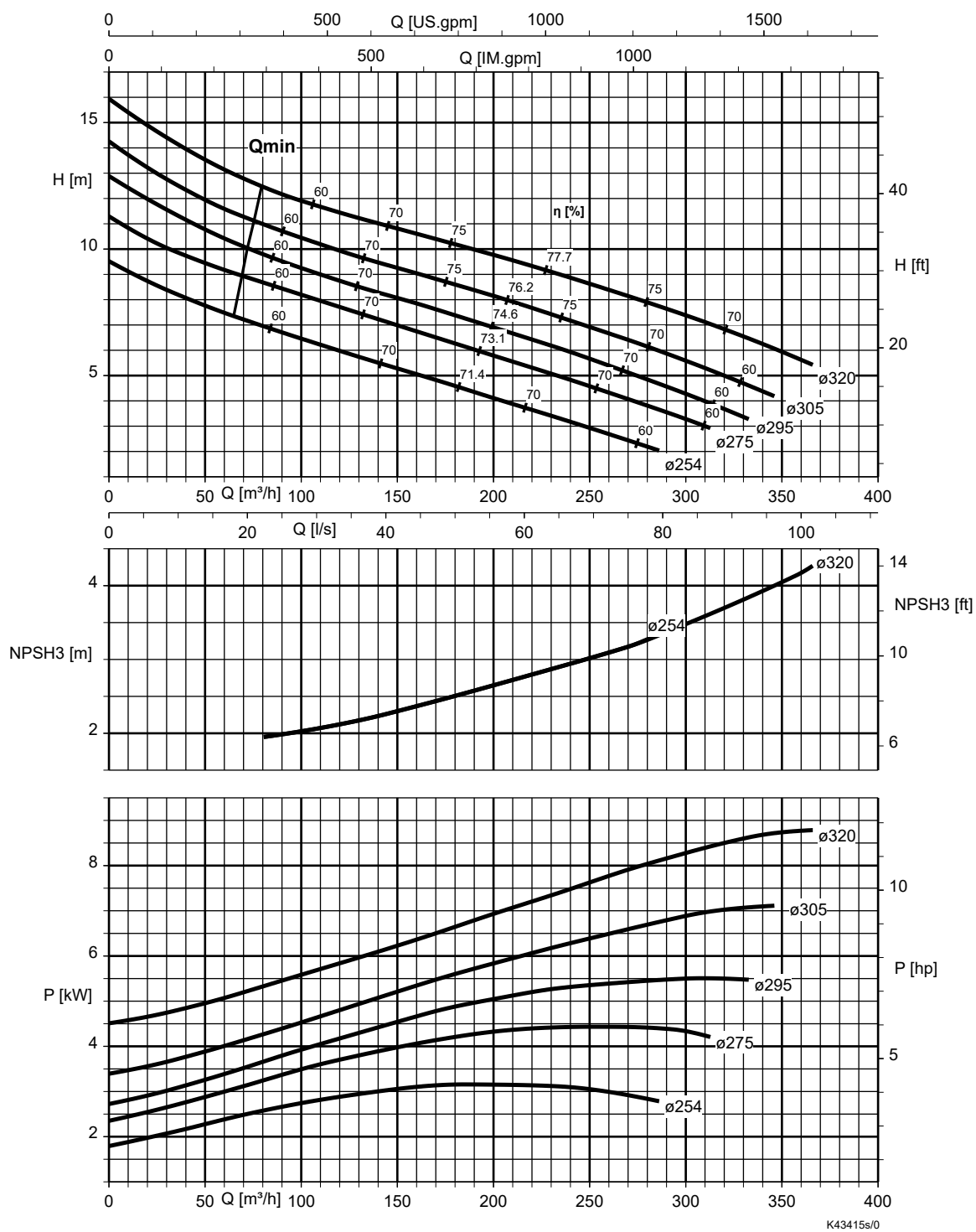
Free passage = 76 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH				
	Installation type				
	D	K	H	P	S
76_E_	X	X	X	X	X
116_E_	X	X	X	X	X
156_E_	X	X	X	X	X
156_F_	X	X	X	-	-
186_E_	X	X	X	X	X
186_F_	X	X	X	-	-

Amarex KRT E 150-317, n = 960 rpm

Characteristic curves to ISO 9906 Class 3B, below 10 kW to § 4.4.2. n = nominal speed



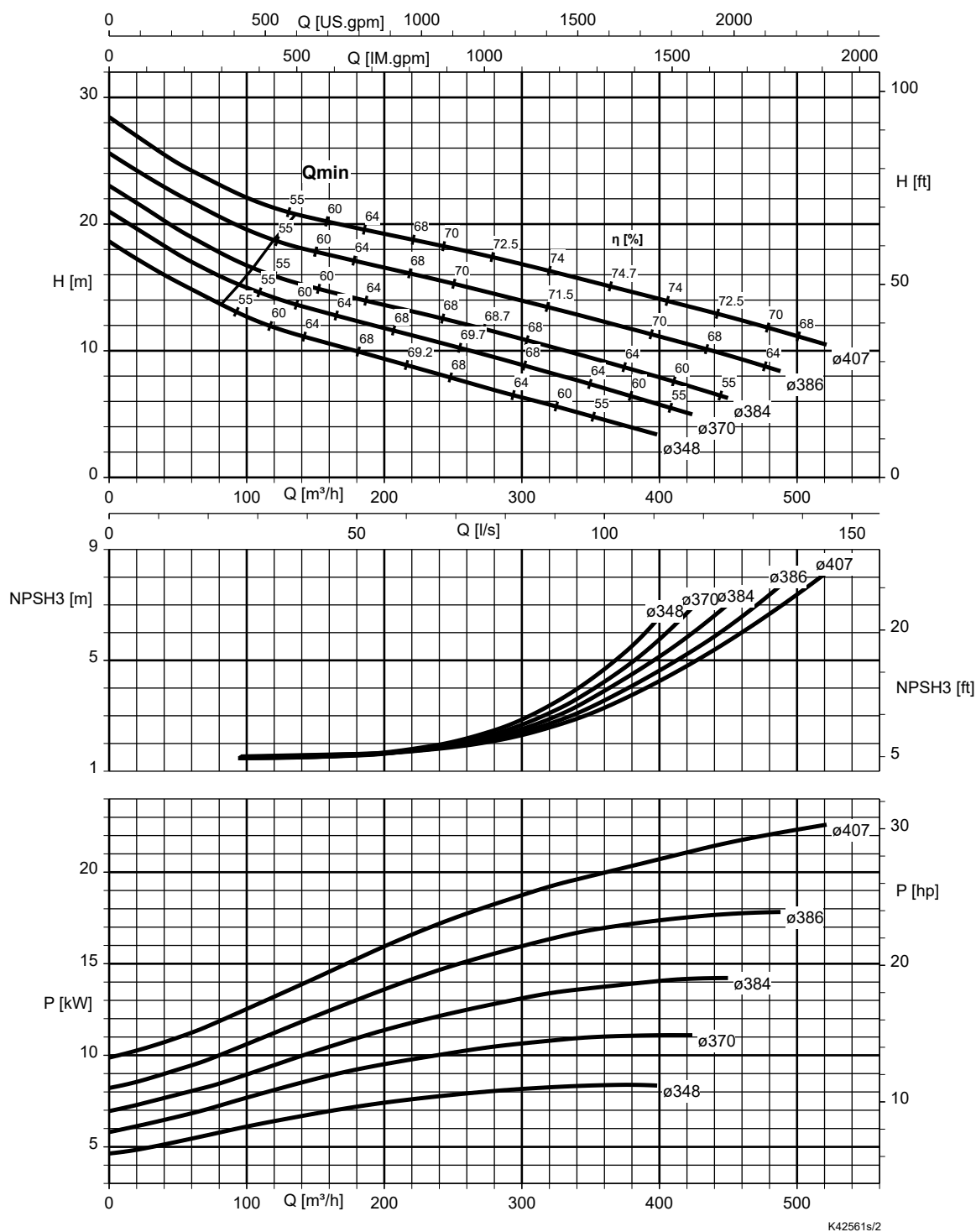
Free passage = 110 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH				
	Installation type				
	D	K	H	P	S
76_E_	X	X	X	X	X
116_E_	X	X	X	X	X
156_E_	X	X	X	X	X
156_F_	X	X	X	-	-
186_E_	X	X	X	X	X
186_F_	X	X	X	-	-
226_E_	-	-	-	X	X
226_F_	X	X	X	-	-
316_F_	X	X	X	-	-

Amarex KRT E 150-401, n = 960 rpm

Characteristic curves to ISO 9906 Class 3B, below 10 kW to § 4.4.2. n = nominal speed



Free passage = 115 mm
Free passage = 120 mm
Free passage = 130 mm
Free passage = 135 mm

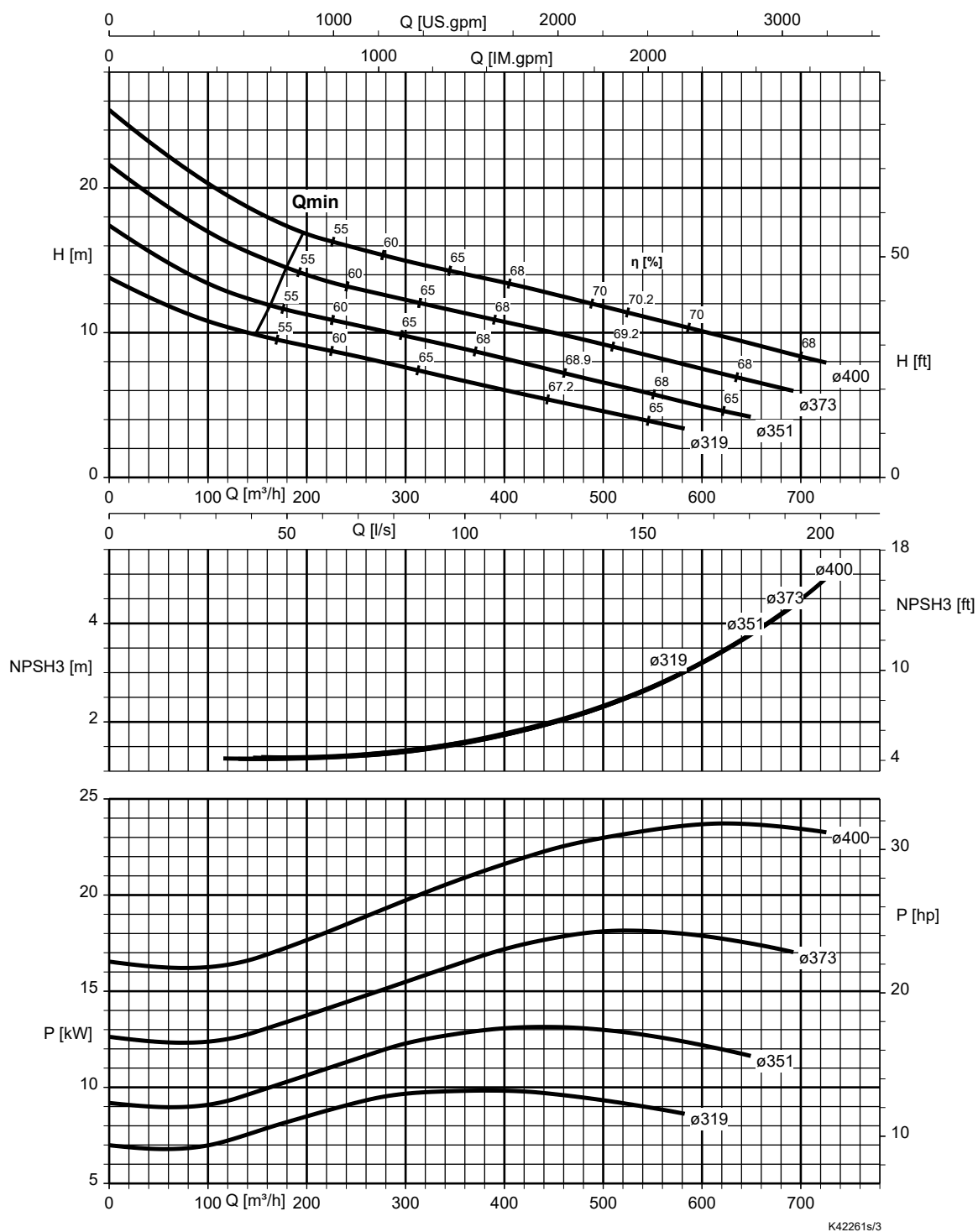
Impeller diameter: 348 mm
Impeller diameter: 370 mm
Impeller diameter: 384/388 mm
Impeller diameter: 407 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH				
	Installation type				
	D	K	H	P	S
226_E_	-	-	-	X	X
226_F_	X	X	X	-	-
306_E_	-	-	-	X	X
306_F_	X	X	X	-	-
316_E_	-	-	-	X	X
316_F_	X	X	X	-	-
376_E_	-	-	-	X	X
376_F_	X	X	X	-	-
456_E_	-	-	-	X	X
456_F_	X	X	X	-	-
556_E_	-	-	-	X	X
556_F_	X	X	X	-	-

Amarex KRT E 200-401, n = 960 rpm

Characteristic curves to ISO 9906 Class 3B, below 10 kW to § 4.4.2. n = nominal speed



Free passage = 125 mm
Free passage = 135 mm
Free passage = 145 mm

Nominal impeller diameter = 319/351 mm
Nominal impeller diameter = 373 mm
Nominal impeller diameter = 400 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH				
	Installation type				
	D	K	H	P	S
226_E_	-	-	-	X	X
226_F_	X	X	X	-	-
306_E_	-	-	-	X	X
306_F_	X	X	X	-	-
316_E_	-	-	-	X	X
316_F_	X	X	X	-	-
376_E_	-	-	-	X	X
376_F_	X	X	X	-	-
456_E_	-	-	-	X	X
456_F_	X	X	X	-	-
556_E_	-	-	-	X	X
556_F_	X	X	X	-	-

D impeller

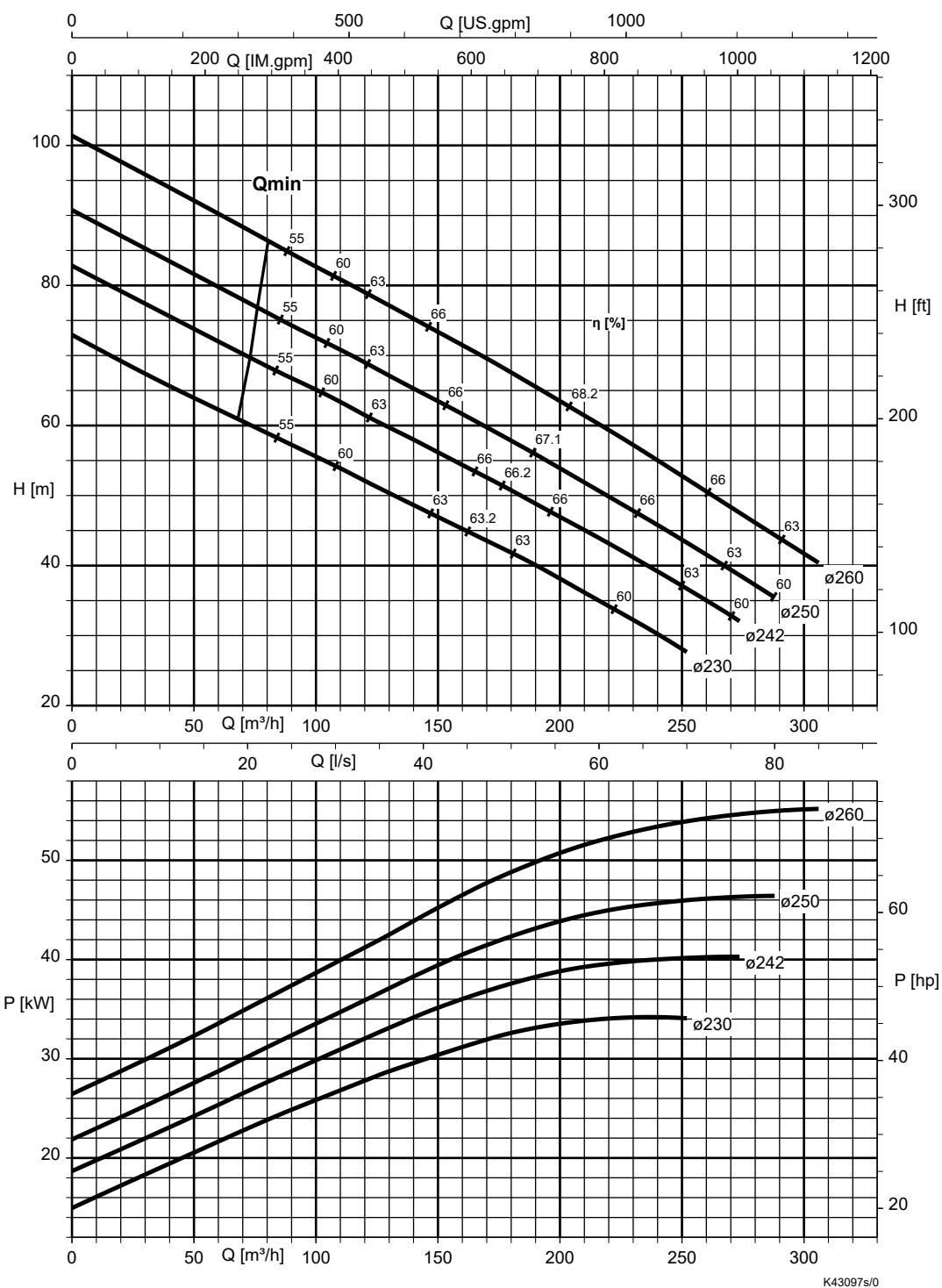
Characteristic curves for D impeller



Fig. 4: D impeller

Amarex KRT D 80-315, n = 2900 rpm

Characteristic curves to ISO 9906 Class 3B, below 10 kW to § 4.4.2. n = nominal speed



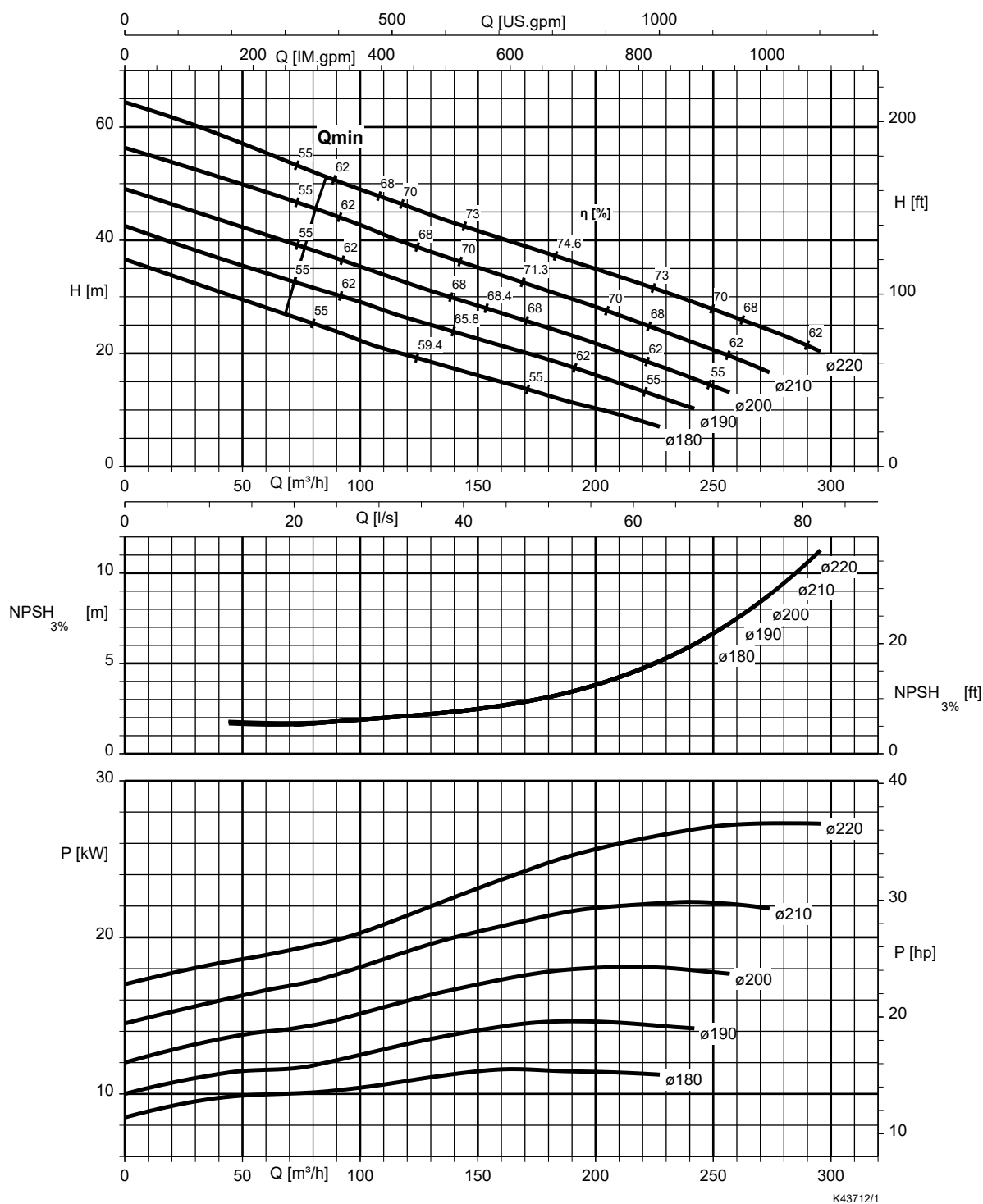
Free passage = 65 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH				
	Installation type				
	D	K	H	P	S
302_E_	-	-	-	X	X
372_E_	-	-	-	X	X
552_E_	-	-	-	X	X
552_F_	X	X	X	-	-
652_E_	-	-	-	X	X
652_F_	X	X	X	-	-
752_E_	-	-	-	X	X
752_F_	X	X	X	-	-

Amarex KRT D 80-317, n = 2900 rpm

Characteristic curves to ISO 9906 Class 3B, below 10 kW to § 4.4.2. n = nominal speed



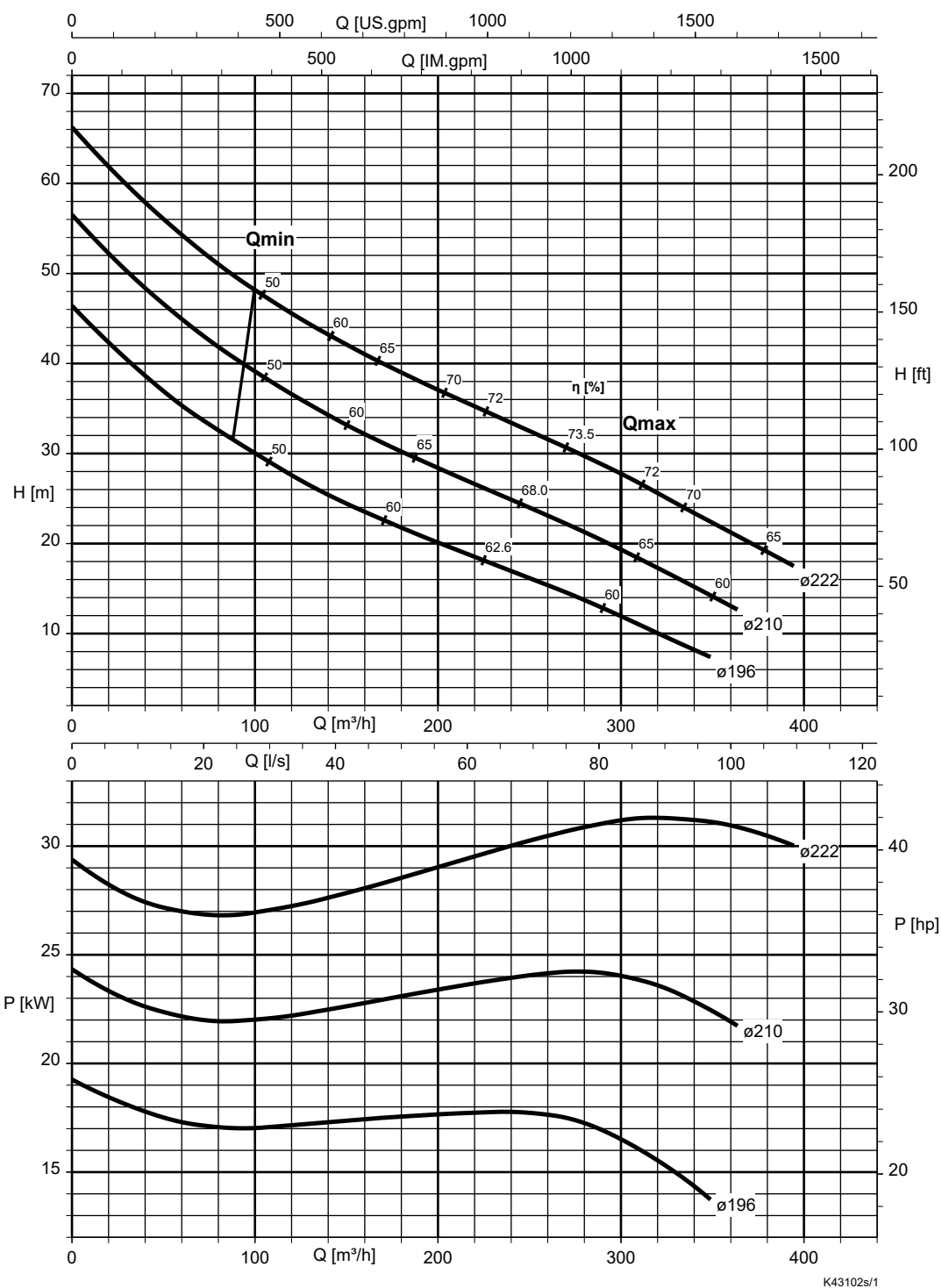
Free passage = 65 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH				
	Installation type				
	D	K	H	P	S
112_E_	X	X	X	X	X
152_E_	X	X	X	X	X
182_E_	X	X	X	X	X
182_F_	X	X	X	-	-
222_E_	X	X	X	X	X
222_F_	X	X	X	-	-
262_E_	X	X	X	X	X
262_F_	X	X	X	-	-
302_E_	-	-	-	X	X
302_F_	X	X	X	-	-
372_E_	-	-	-	X	X
372_F_	X	X	X	-	-

Amarex KRT D 100-315, n = 2900 rpm

Characteristic curves to ISO 9906 Class 3B, below 10 kW to § 4.4.2. n = nominal speed



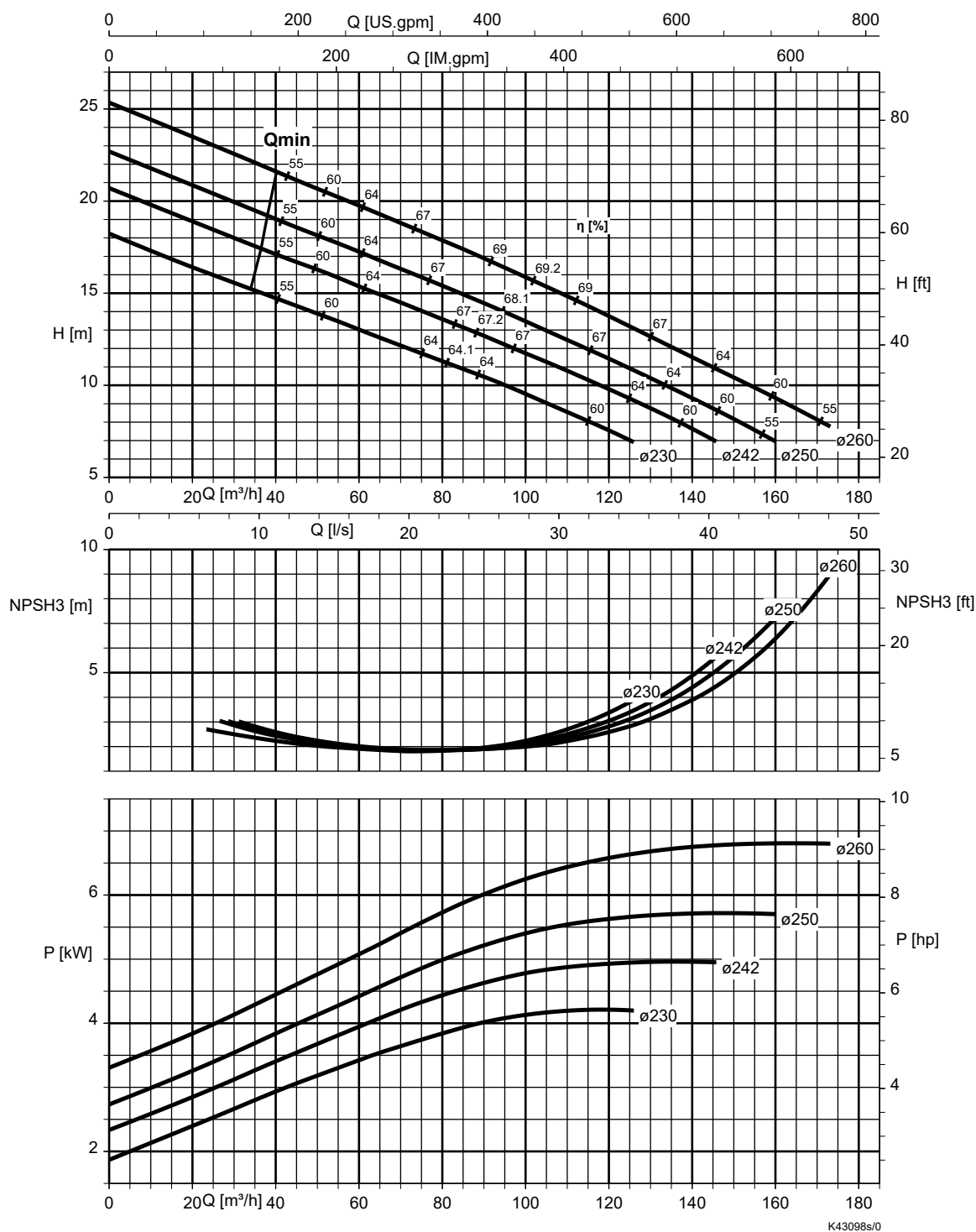
Free passage = 75 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH				
	Installation type				
	D	K	H	P	S
262_F_	X	X	X	-	-
302_E_	-	-	-	X	X
302_F_	X	X	X	-	-
372_E_	-	-	-	X	X
372_F_	X	X	X	-	-
552_E_	-	-	-	X	X
552_F_	X	X	X	-	-
652_E_	-	-	-	X	X
652_F_	X	X	X	-	-
752_F_	X	X	X	-	-

Amarex KRT D 80-315, n = 1450 rpm

Characteristic curves to ISO 9906 Class 3B, below 10 kW to § 4.4.2. n = nominal speed



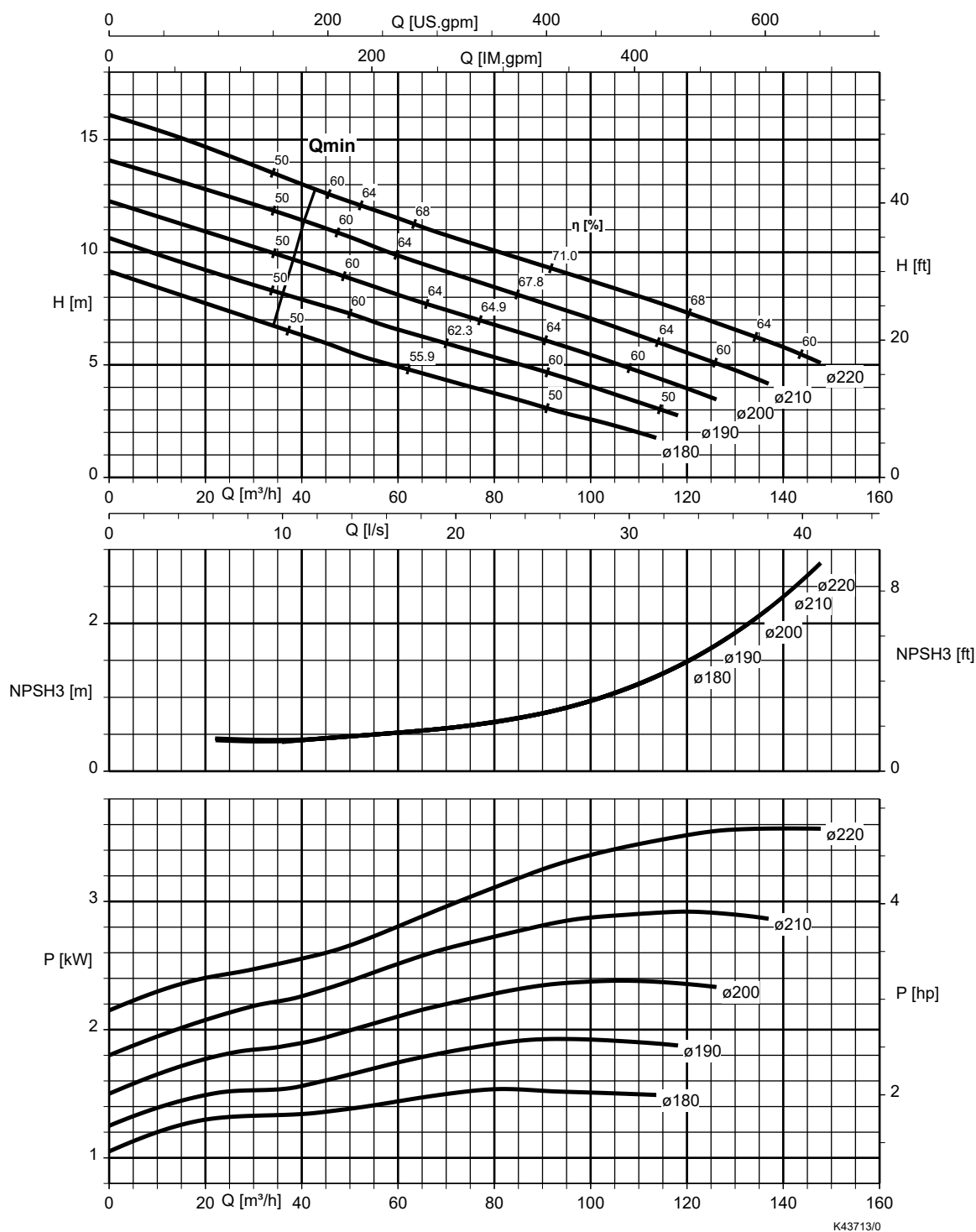
Free passage = 65 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH				
	Installation type				
	D	K	H	P	S
74_E_	-	-	-	X	X
114_E_	X	X	X	X	X
154_E_	X	X	X	X	X
154_F_	X	X	X	-	-
184_E_	X	X	X	X	X
184_F_	X	X	X	-	-
224_E_	X	X	X	X	X
224_F_	X	X	X	-	-

Amarex KRT D 80-317, n = 1450 rpm

Characteristic curves to ISO 9906 Class 3B, below 10 kW to § 4.4.2. n = nominal speed



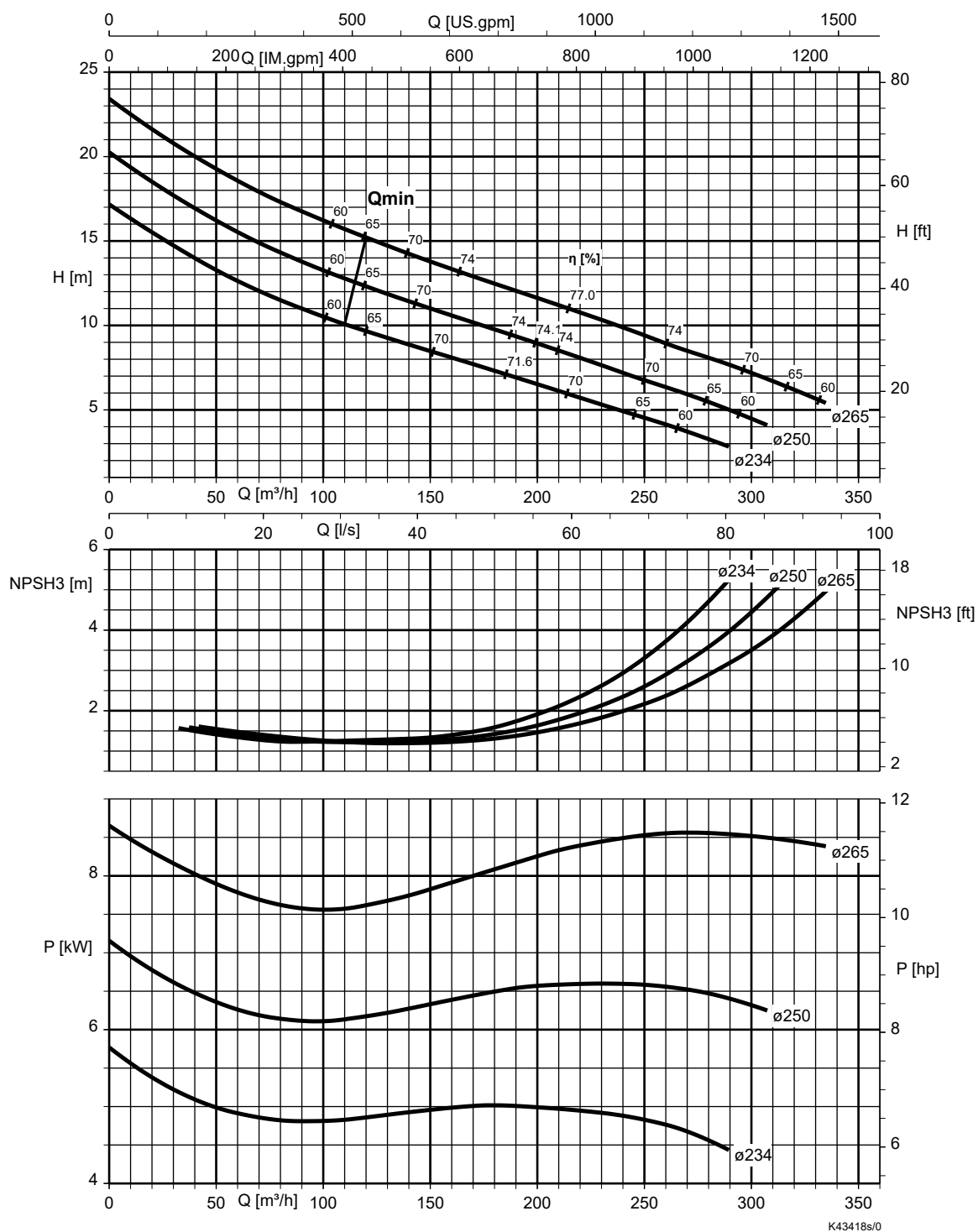
Free passage = 65 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH				
	Installation type				
	D	K	H	P	S
74_E_	X	X	X	X	X
114_E_	X	X	X	X	X
154_E_	X	X	X	X	X
154_F_	X	X	X	-	-
184_E_	X	X	X	X	X
224_E_	X	X	X	X	X

Amarex KRT D 100-253, n = 1450 rpm

Characteristic curves to ISO 9906 Class 3B, below 10 kW to § 4.4.2. n = nominal speed



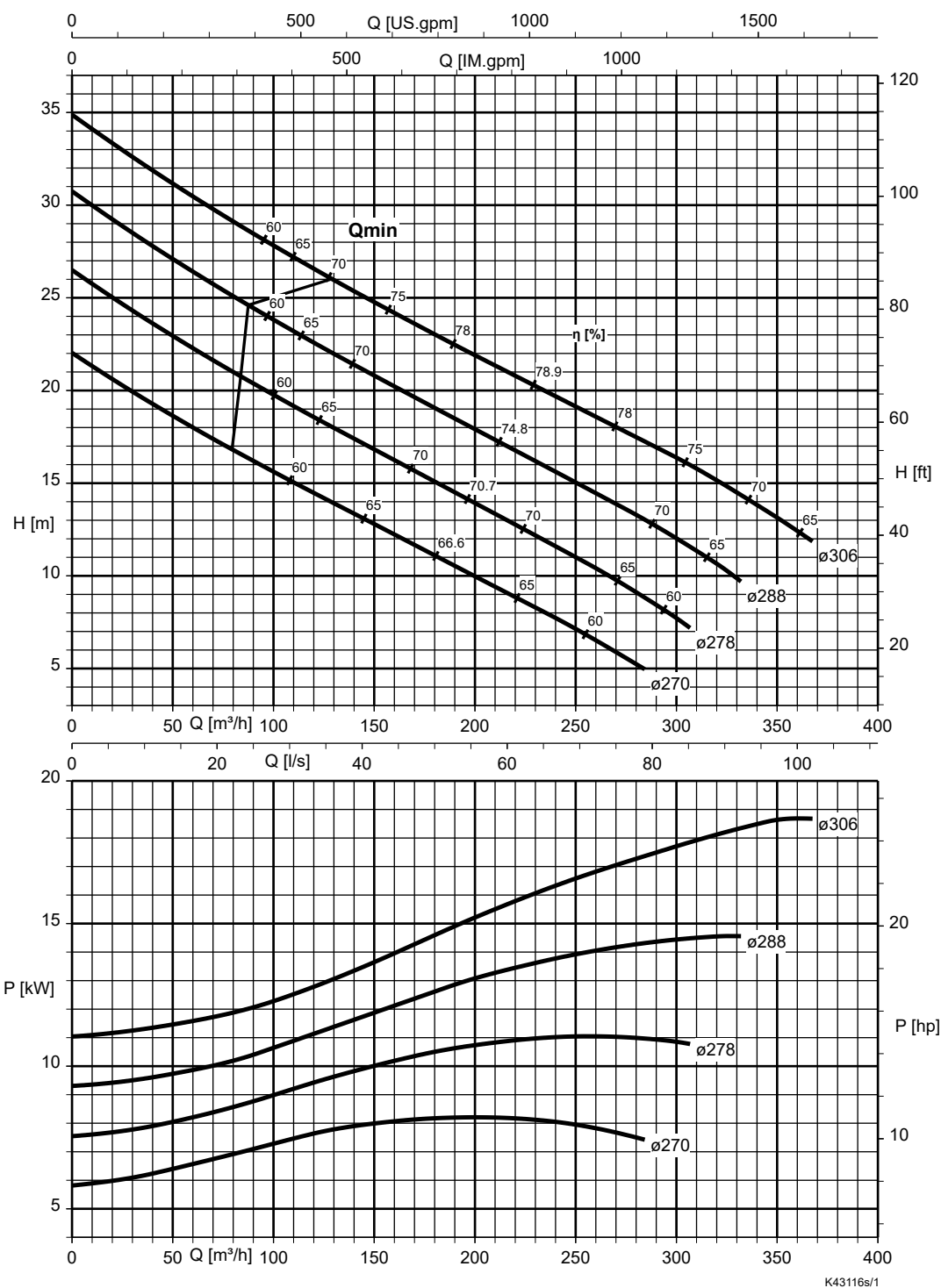
Free passage = 65 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH				
	Installation type				
	D	K	H	P	S
54_E_	-	-	-	X	X
74_E_	-	-	-	X	X
114_E_	X	X	X	X	X
154_E_	X	X	X	X	X
154_F_	X	X	X	-	-
184_E_	X	X	X	X	X
184_F_	X	X	X	-	-
224_E_	X	X	X	X	X
224_F_	X	X	X	-	-

Amarex KRT D 100-316, n = 1450 rpm

Characteristic curves to ISO 9906 Class 3B, below 10 kW to § 4.4.2. n = nominal speed



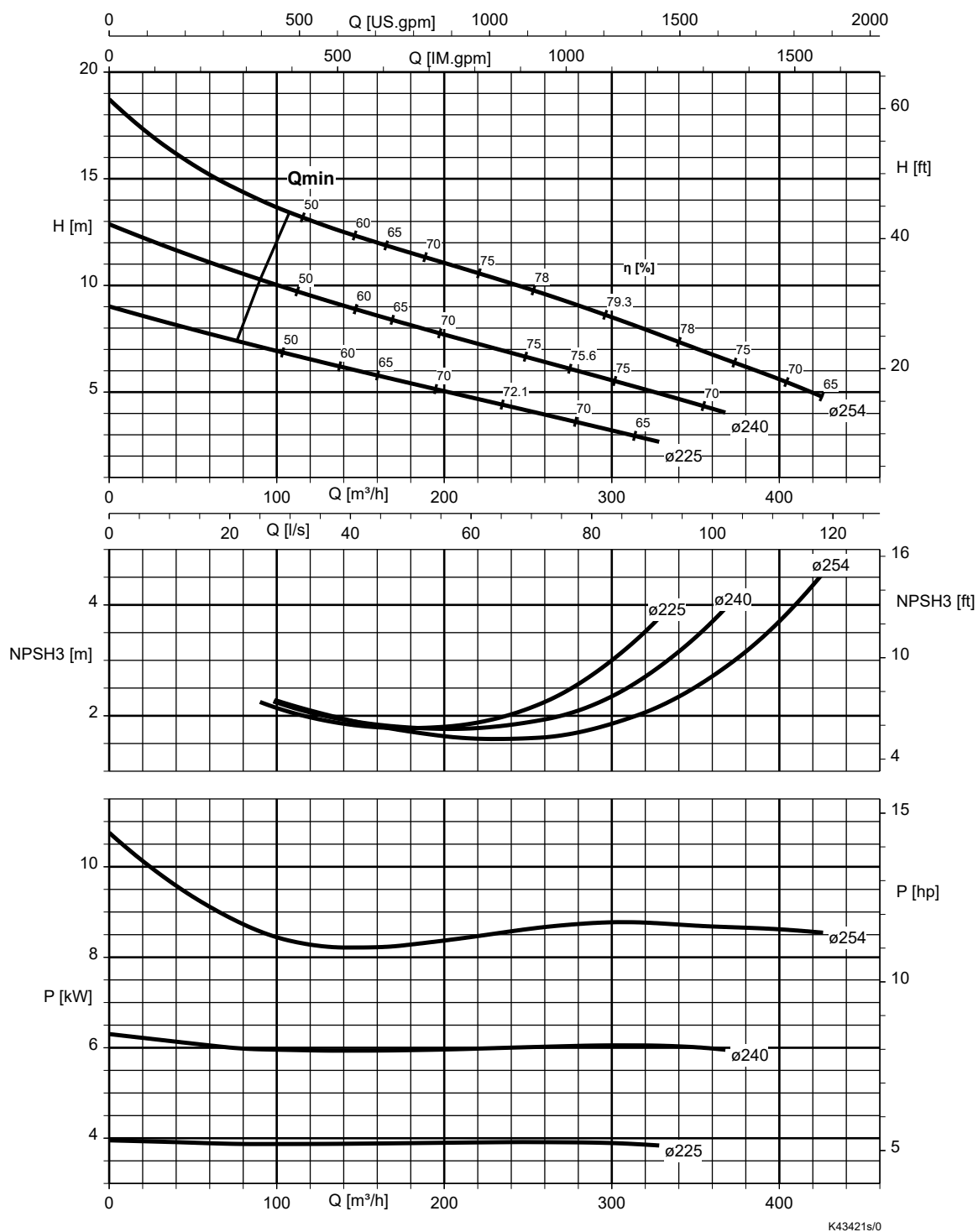
Free passage = 85 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH				
	Installation type				
	D	K	H	P	S
114_E_	-	-	-	X	X
154_E_	X	X	X	X	X
154_F_	X	X	X	-	-
184_E_	X	X	X	X	X
184_F_	X	X	X	-	-
224_E_	X	X	X	X	X
224_F_	X	X	X	-	-
304_E_	-	-	-	X	X
304_F_	X	X	X	-	-
374_E_	-	-	-	X	X
374_F_	X	X	X	-	-

Amarex KRT D 150-253, n = 1450 rpm

Characteristic curves to ISO 9906 Class 3B, below 10 kW to § 4.4.2. n = nominal speed



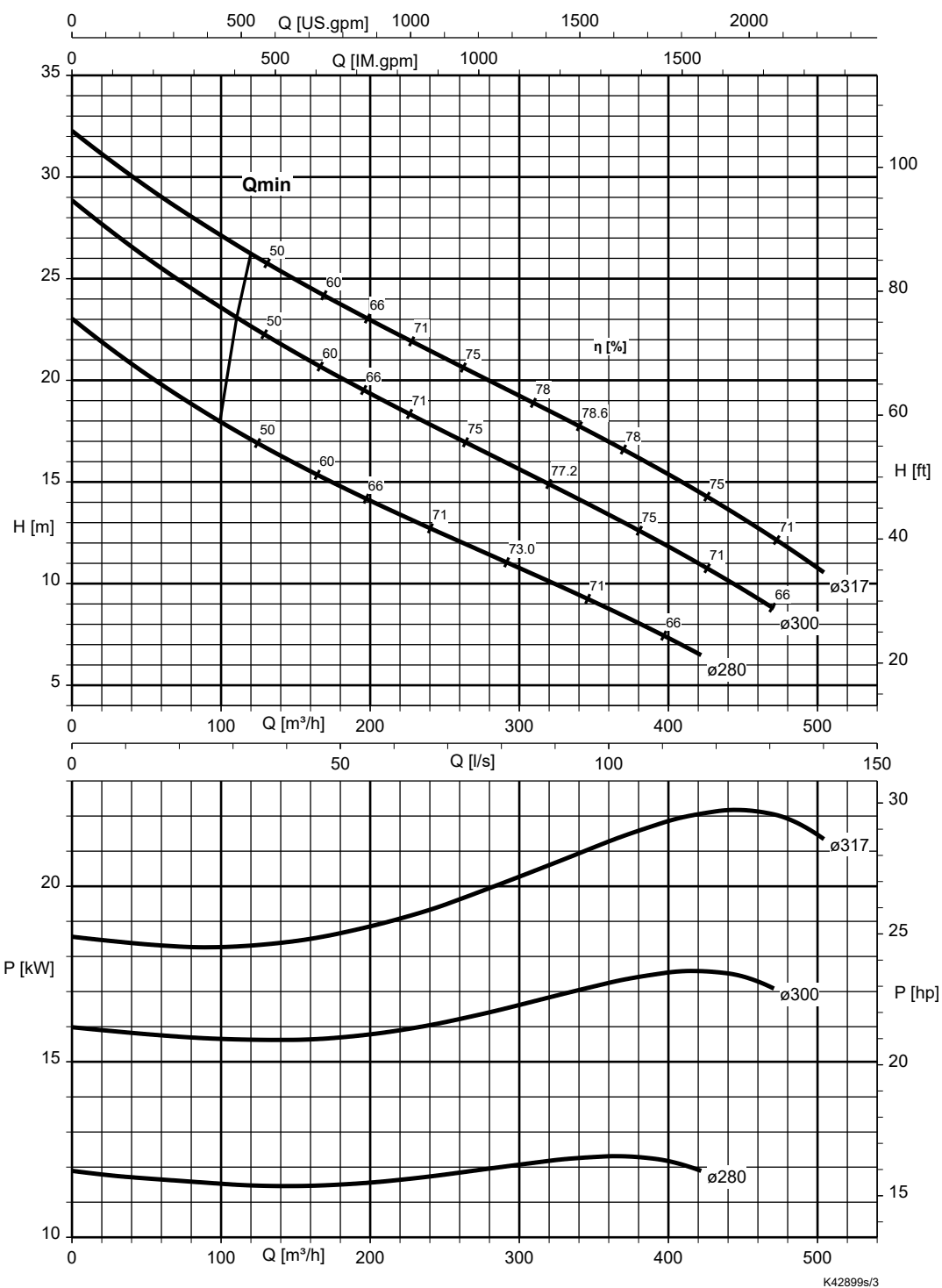
Free passage = 100 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH				
	Installation type				
	D	K	H	P	S
54_E_	-	-	-	X	X
74_E_	-	-	-	X	X
114_E_	X	X	X	X	X
154_E_	X	X	X	X	X
154_F_	X	X	X	-	-
184_E_	X	X	X	X	X
184_F_	X	X	X	-	-
224_E_	X	X	X	X	X
224_F_	X	X	X	-	-

Amarex KRT D 150-315, n = 1450 rpm

Characteristic curves to ISO 9906 Class 3B, below 10 kW to § 4.4.2. n = nominal speed



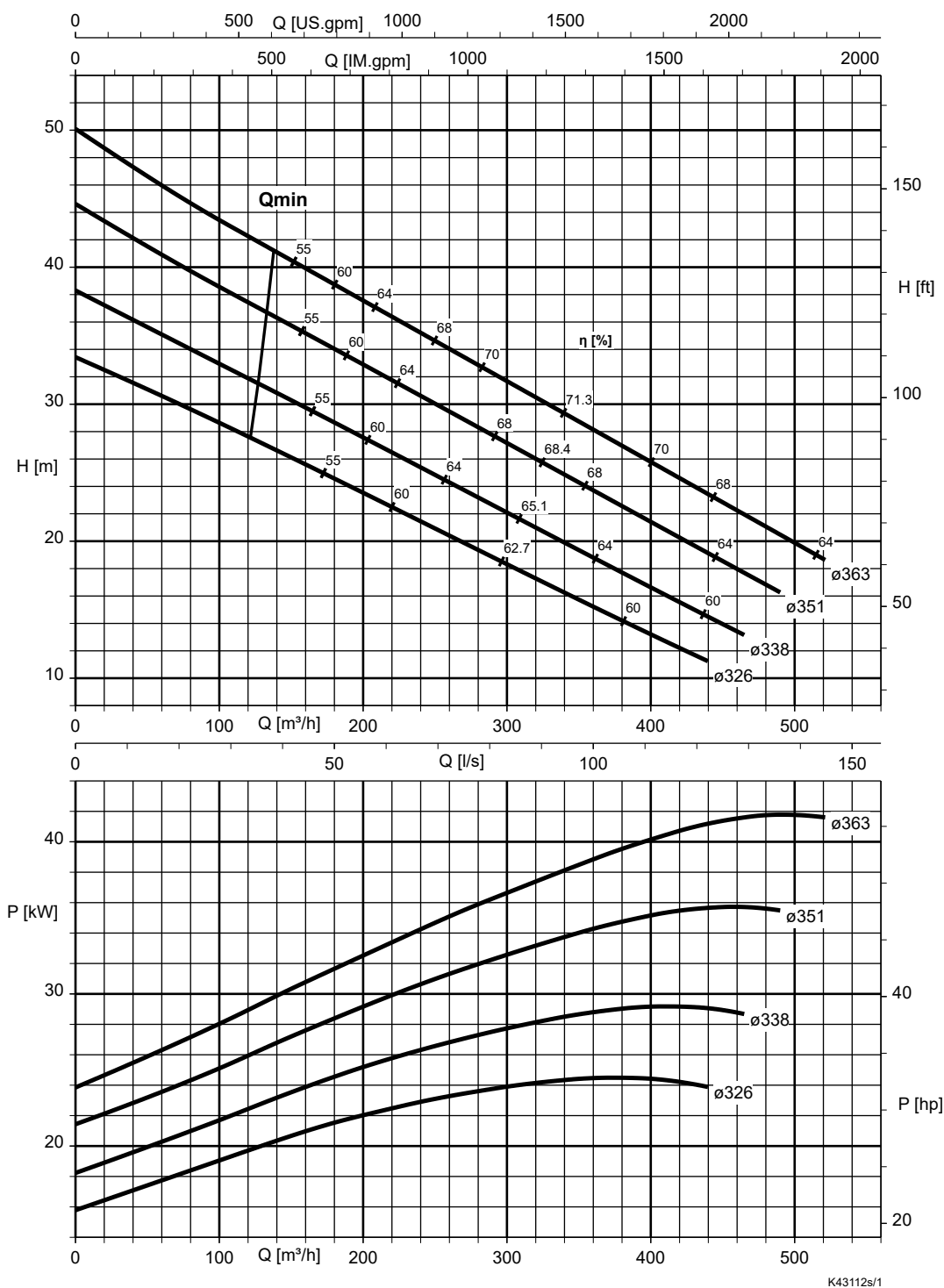
Free passage = 100 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH				
	Installation type				
	D	K	H	P	S
154_E_	-	-	-	X	X
154_F_	X	X	X	-	-
184_E_	-	-	-	X	X
184_F_	X	X	X	-	-
224_E_	-	-	-	X	X
224_F_	X	X	X	-	-
304_E_	-	-	-	X	X
304_F_	X	X	X	-	-
374_E_	-	-	-	X	X
374_F_	X	X	X	-	-

Amarex KRT D 150-400, n = 1450 rpm

Characteristic curves to ISO 9906 Class 3B, below 10 kW to § 4.4.2. n = nominal speed



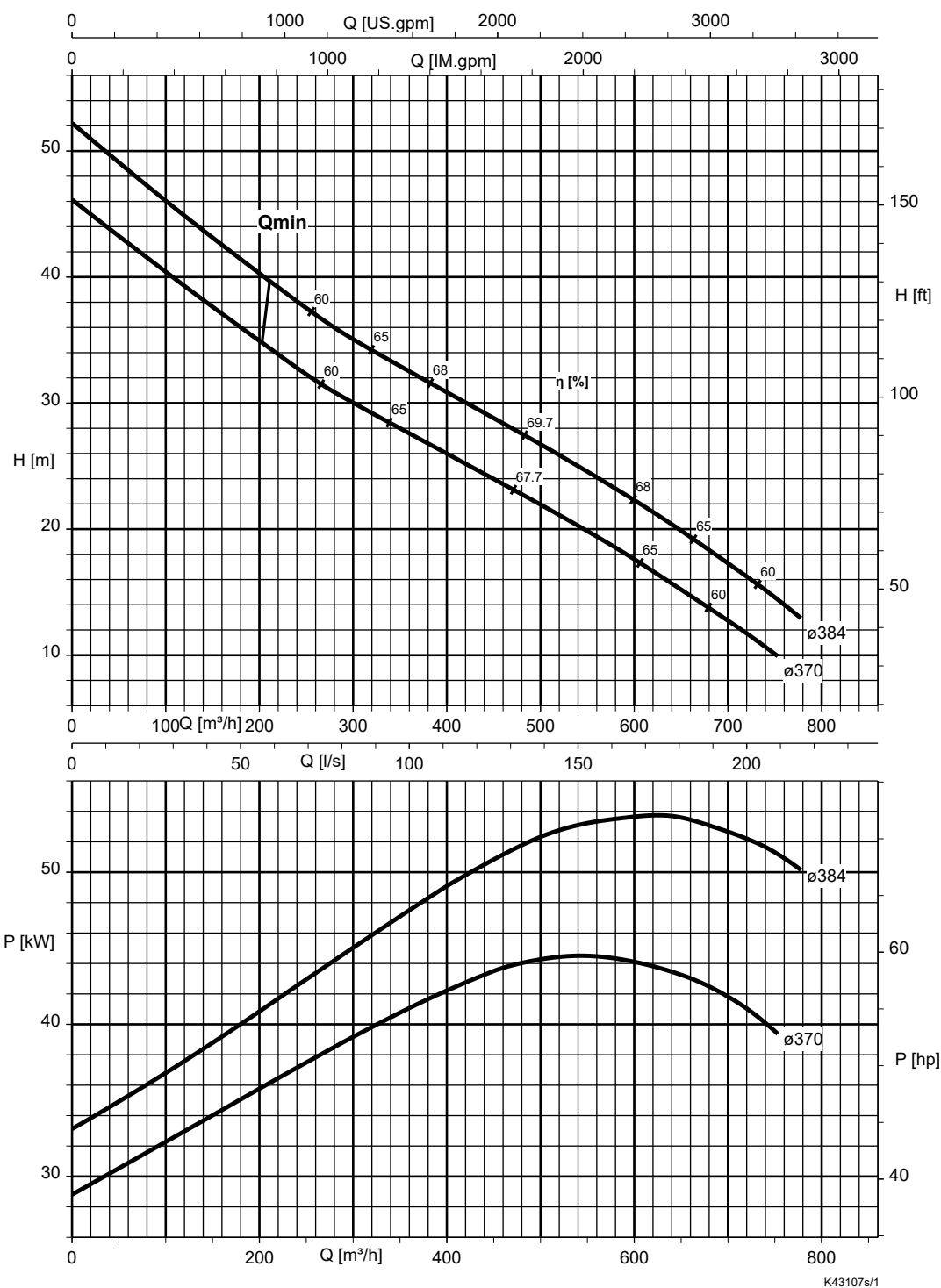
Free passage = 100 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH				
	Installation type				
	D	K	H	P	S
304_E_	-	-	-	X	X
304_F_	X	X	X	-	-
374_E_	-	-	-	X	X
374_F_	X	X	X	-	-
454_E_	-	-	-	X	X
554_E_	-	-	-	X	X
554_F_	X	X	X	-	-
654_E_	-	-	-	X	X
654_F_	X	X	X	-	-
754_E_	-	-	-	X	X
754_F_	X	X	X	-	-

Amarex KRT D 150-401, n = 1450 rpm

Characteristic curves to ISO 9906 Class 3B, below 10 kW to § 4.4.2. n = nominal speed



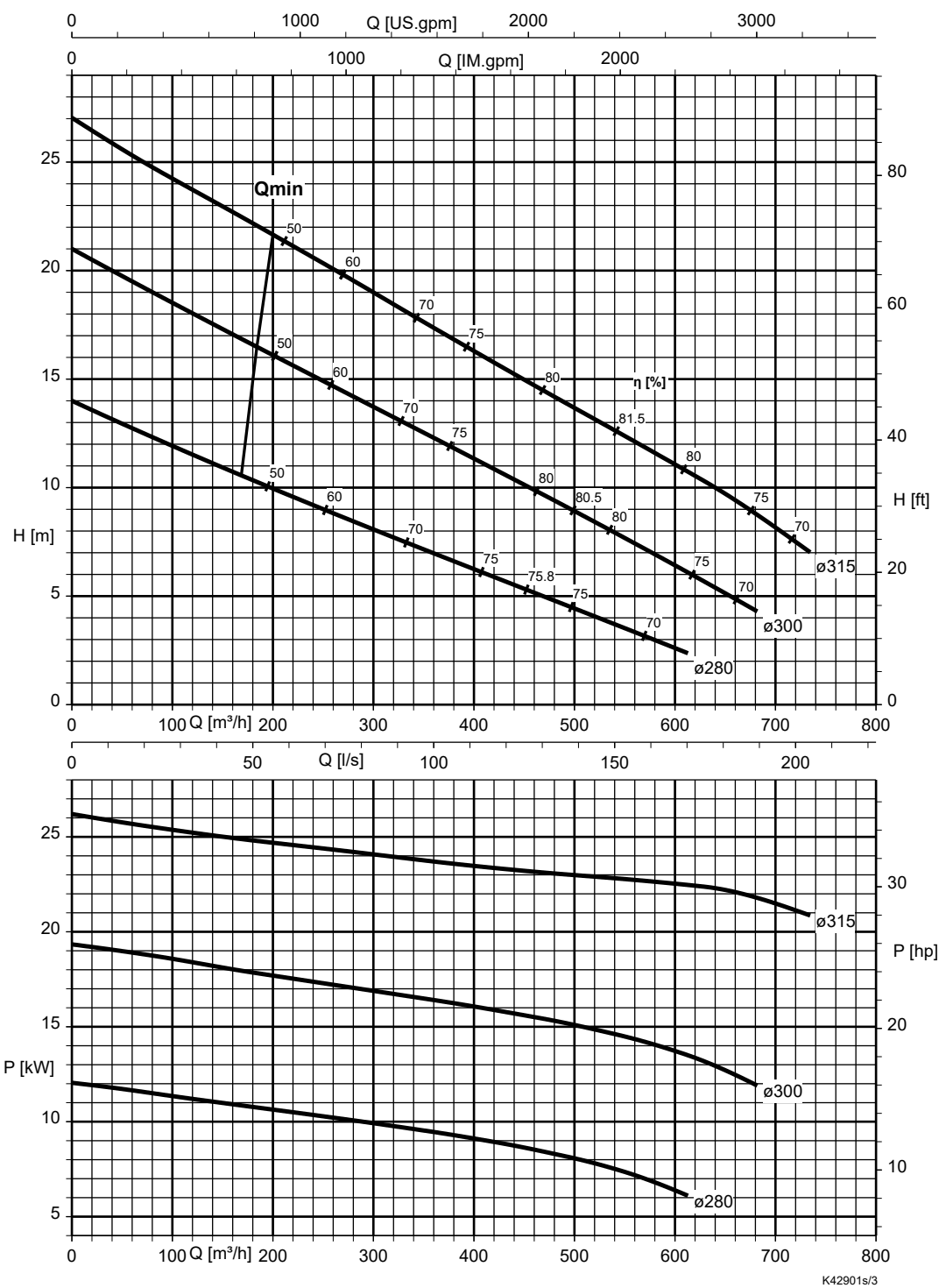
Free passage = 110 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH				
	Installation type				
	D	K	H	P	S
304_F_	X	X	X	-	-
374_F_	X	X	X	-	-
454_E_	-	-	-	X	X
554_E_	-	-	-	X	X
554_F_	X	X	X	-	-
654_E_	-	-	-	X	X
654_F_	X	X	X	-	-
754_E_	-	-	-	X	X
754_F_	X	X	X	-	-

Amarex KRT D 200-315, n = 1450 rpm

Characteristic curves to ISO 9906 Class 3B, below 10 kW to § 4.4.2. n = nominal speed



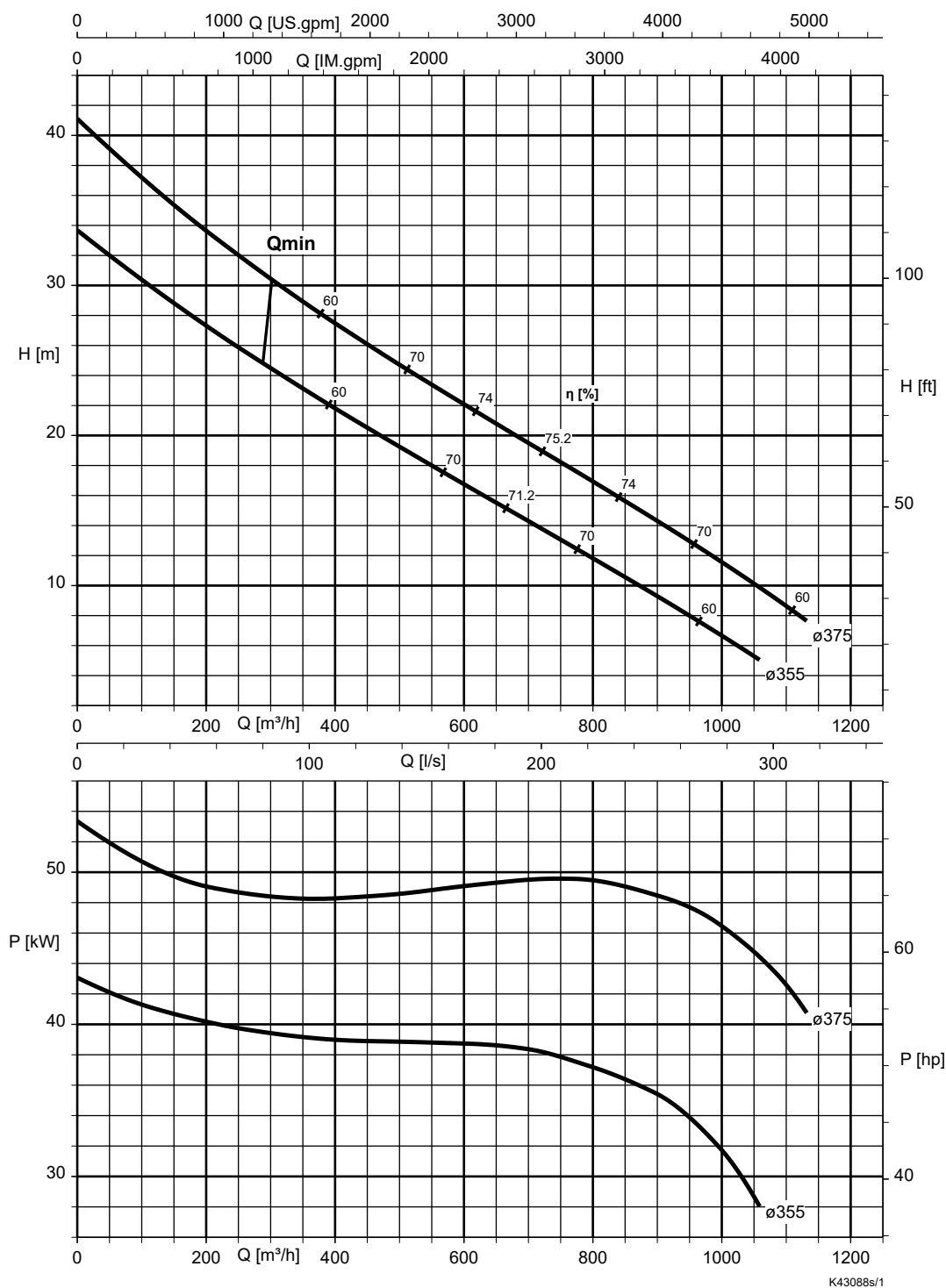
Free passage = 100 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH				
	Installation type				
	D	K	H	P	S
154_E_	-	X	-	X	X
154_F_	X	X	X	-	-
184_E_	-	X	-	X	X
184_F_	X	X	X	-	-
224_E_	-	X	-	X	X
224_F_	X	X	X	-	-
304_E_	-	-	-	X	X
304_F_	X	X	X	-	-
374_E_	-	-	-	X	X
374_F_	X	X	X	-	-

Amarex KRT D 200-400, n = 1450 rpm

Characteristic curves to ISO 9906 Class 3B, below 10 kW to § 4.4.2. n = nominal speed



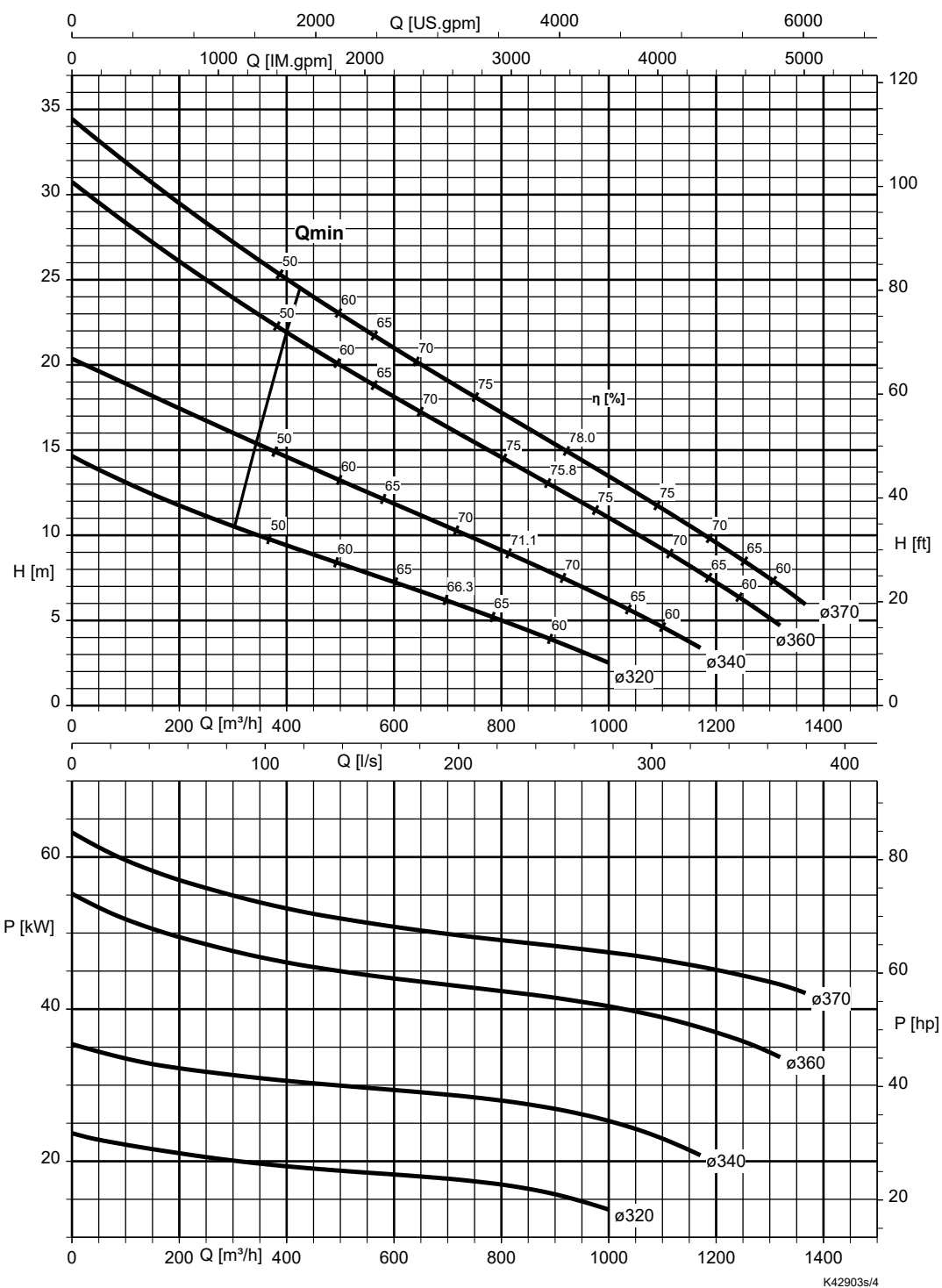
Free passage = 100 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH				
	Installation type				
	D	K	H	P	S
454_E_	-	-	-	X	X
554_E_	-	-	-	X	X
554_F_	X	X	X	-	-
654_E_	-	-	-	X	X
654_F_	X	X	X	-	-
754_E_	-	-	-	X	X
754_F_	X	X	X	-	-

Amarex KRT D 250-400, n = 1450 rpm

Characteristic curves to ISO 9906 Class 3B, below 10 kW to § 4.4.2. n = nominal speed



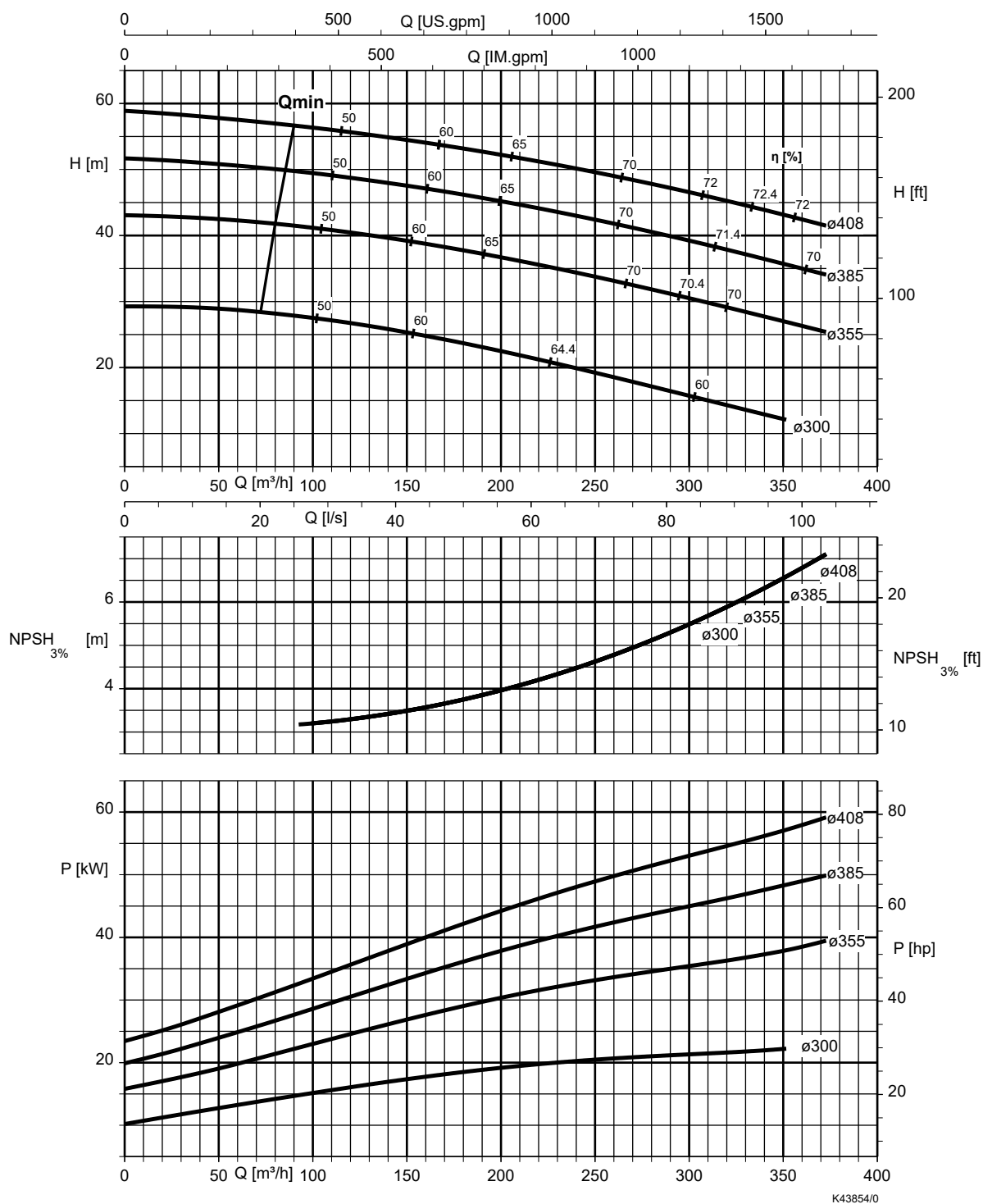
Free passage = 120 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH				
	Installation type				
	D	K	H	P	S
374_E_	-	-	-	X	X
374_F_	X	X	X	-	-
454_E_	-	-	-	X	X
554_E_	-	-	-	X	X
554_F_	X	X	X	-	-
654_E_	-	-	-	X	X
654_F_	X	X	X	-	-
754_E_	-	-	-	X	X
754_F_	X	X	X	-	-

Amarex KRT D 150-253, n = 960 rpm

Characteristic curves to ISO 9906 Class 3B, below 10 kW to § 4.4.2. n = nominal speed



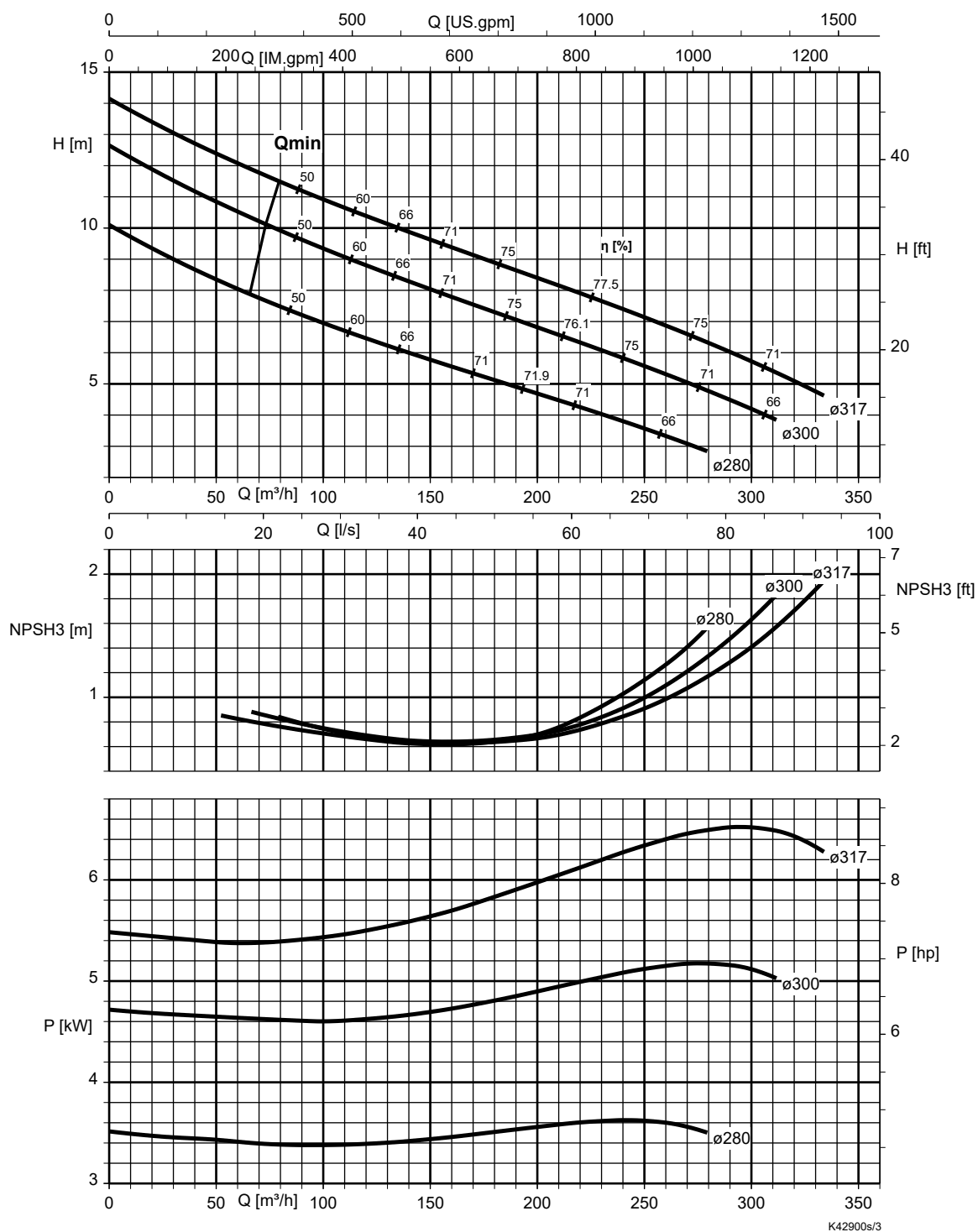
Free passage = 100 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH				
	Installation type				
	D	K	H	P	S
76_E_	X	X	X	X	X
116_E_	X	X	X	X	X

Amarex KRT D 150-315, n = 960 rpm

Characteristic curves to ISO 9906 Class 3B, below 10 kW to § 4.4.2. n = nominal speed



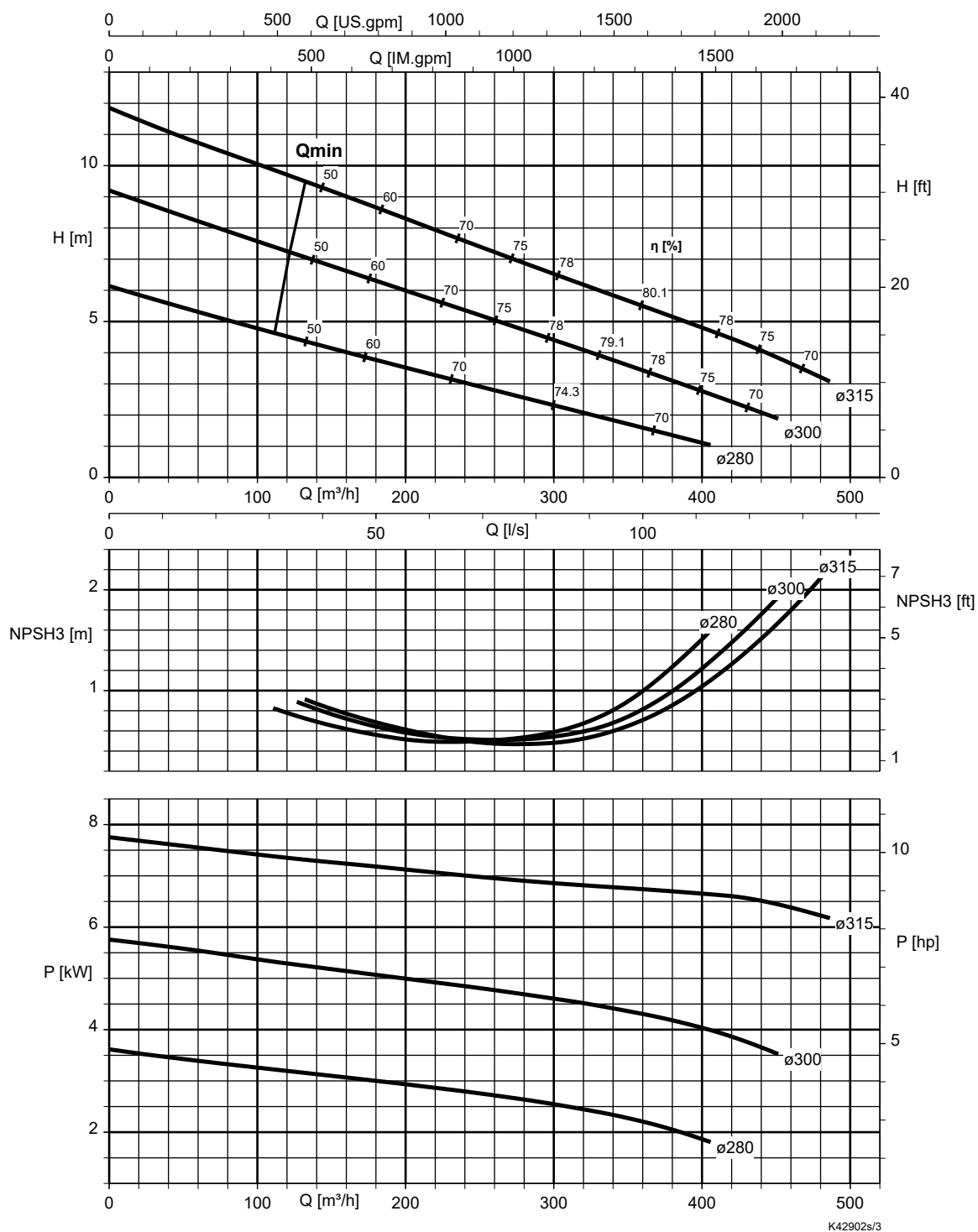
Free passage = 100 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH				
	Installation type				
	D	K	H	P	S
76_E_	X	X	X	X	X
116_E_	X	X	X	X	X
156_E_	X	X	X	X	X
156_F_	X	X	X	-	-
186_E_	X	X	X	X	X
186_F_	X	X	X	-	-
226_E_	-	-	-	X	X
226_F_	X	X	X	-	-

Amarex KRT D 200-315, n = 960 rpm

Characteristic curves to ISO 9906 Class 3B, below 10 kW to § 4.4.2. n = nominal speed



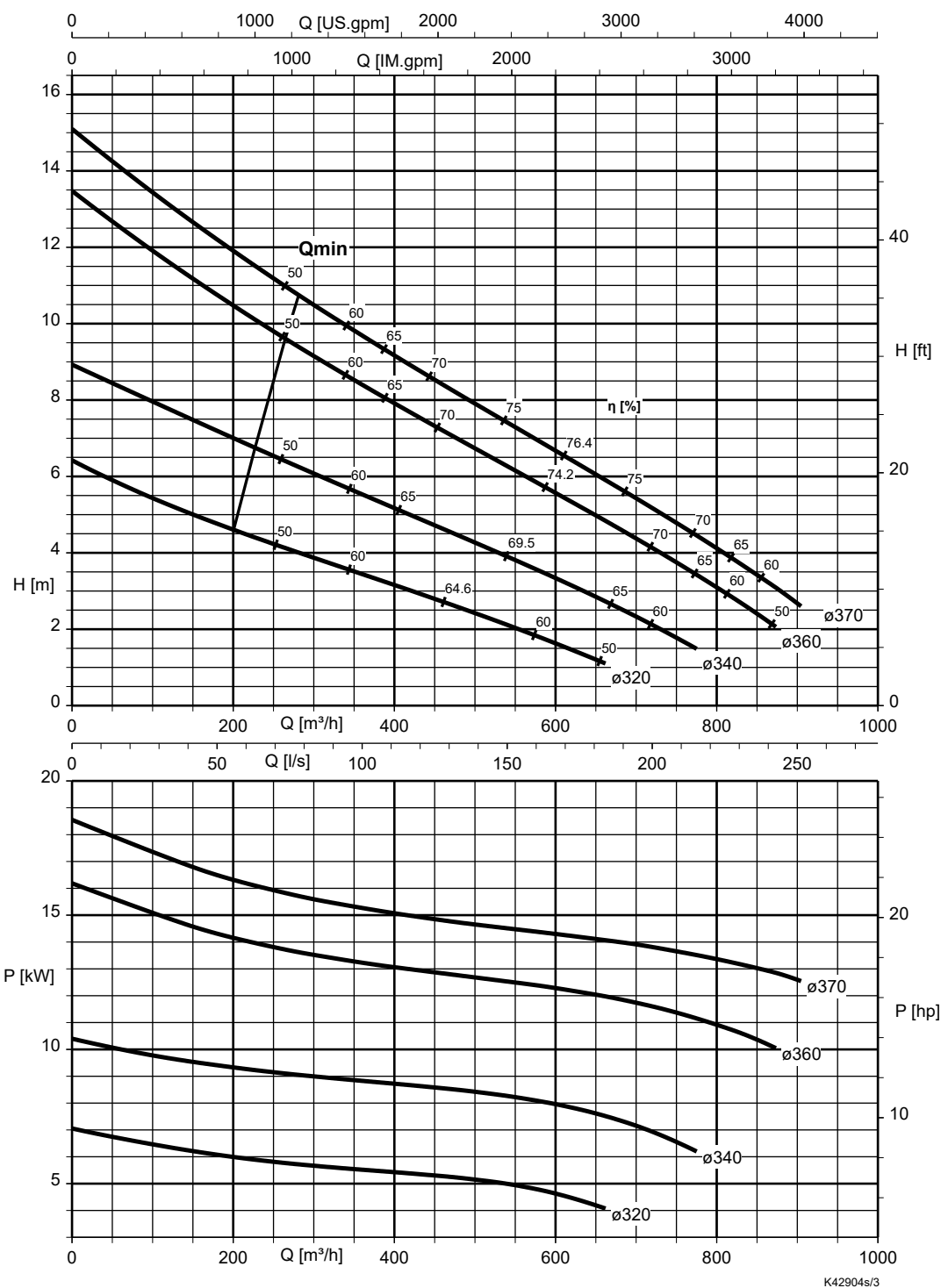
Free passage = 100 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH				
	Installation type				
	D	K	H	P	S
76_E_	X	X	X	X	X
116_E_	X	X	X	X	X
156_E_	X	X	X	X	X
156_F_	X	X	X	-	-
186_E_	X	X	X	X	X
186_F_	X	X	X	-	-
226_E_	-	-	-	X	X
226_F_	X	X	X	-	-

Amarex KRT D 250-400, n = 960 rpm

Characteristic curves to ISO 9906 Class 3B, below 10 kW to § 4.4.2. n = nominal speed



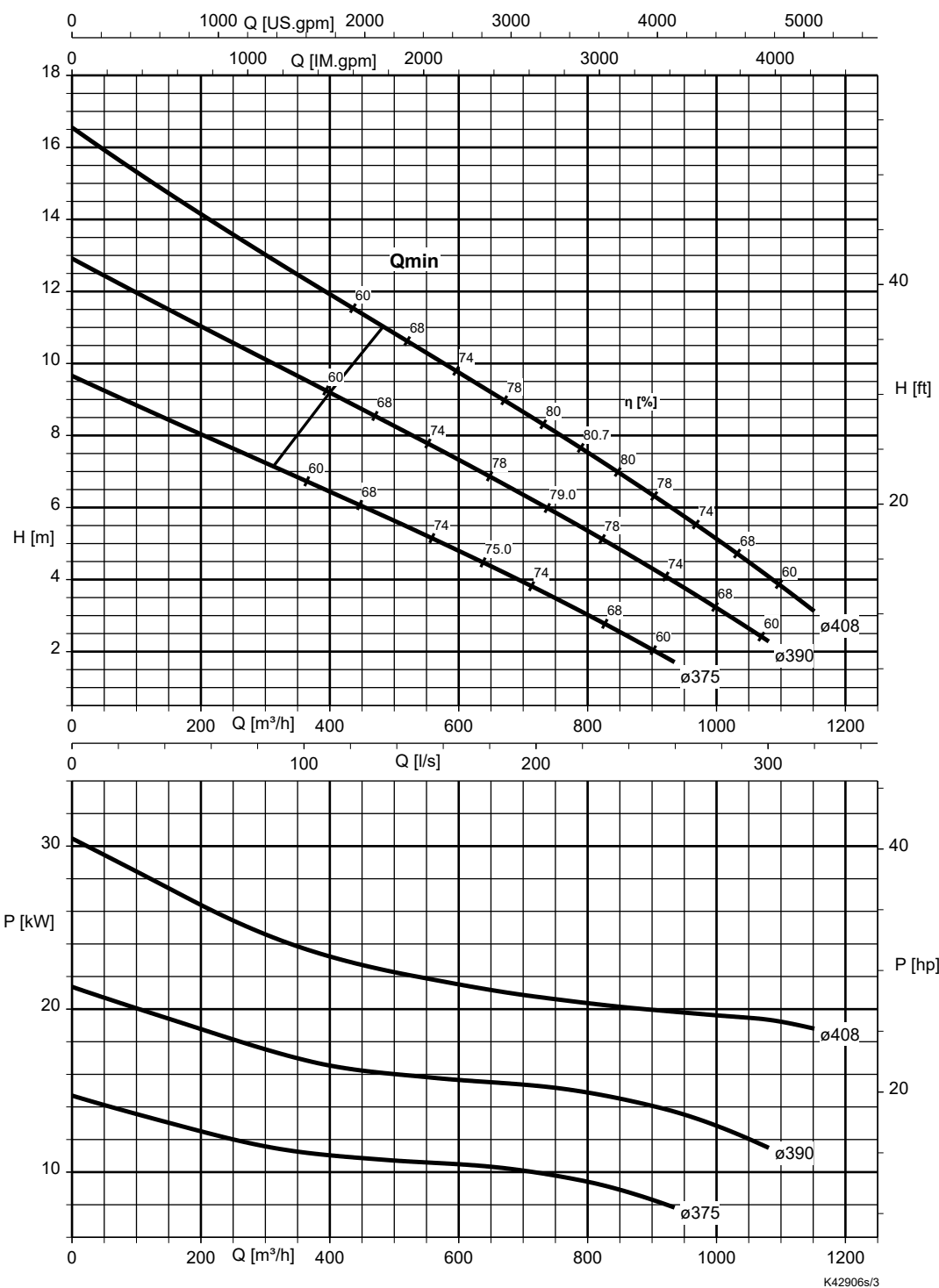
Free passage = 120 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH				
	Installation type				
	D	K	H	P	S
226_E_	-	-	-	X	X
226_F_	X	X	X	-	-
306_E_	-	-	-	X	X
306_F_	X	X	X	-	-
316_E_	-	-	-	X	X
316_F_	X	X	X	-	-
376_E_	-	-	-	X	X
376_F_	X	X	X	-	-
456_E_	-	-	-	X	X
456_F_	X	X	X	-	-
556_E_	-	-	-	X	X
556_F_	X	X	X	-	-

Amarex KRT D 300-400, n = 960 rpm

Characteristic curves to ISO 9906 Class 3B, below 10 kW to § 4.4.2. n = nominal speed



Free passage = 150 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH				
	Installation type				
	D	K	H	P	S
226_E_	-	-	-	X	X
226_F_	X	X	X	-	-
306_E_	-	-	-	X	X
306_F_	X	X	X	-	-
316_E_	-	-	-	X	X
316_F_	X	X	X	-	-
376_E_	-	-	-	X	X
376_F_	X	X	X	-	-
456_E_	-	-	-	X	X
456_F_	X	X	X	-	-
556_E_	-	-	-	X	X
556_F_	X	X	X	-	-

D-max impeller

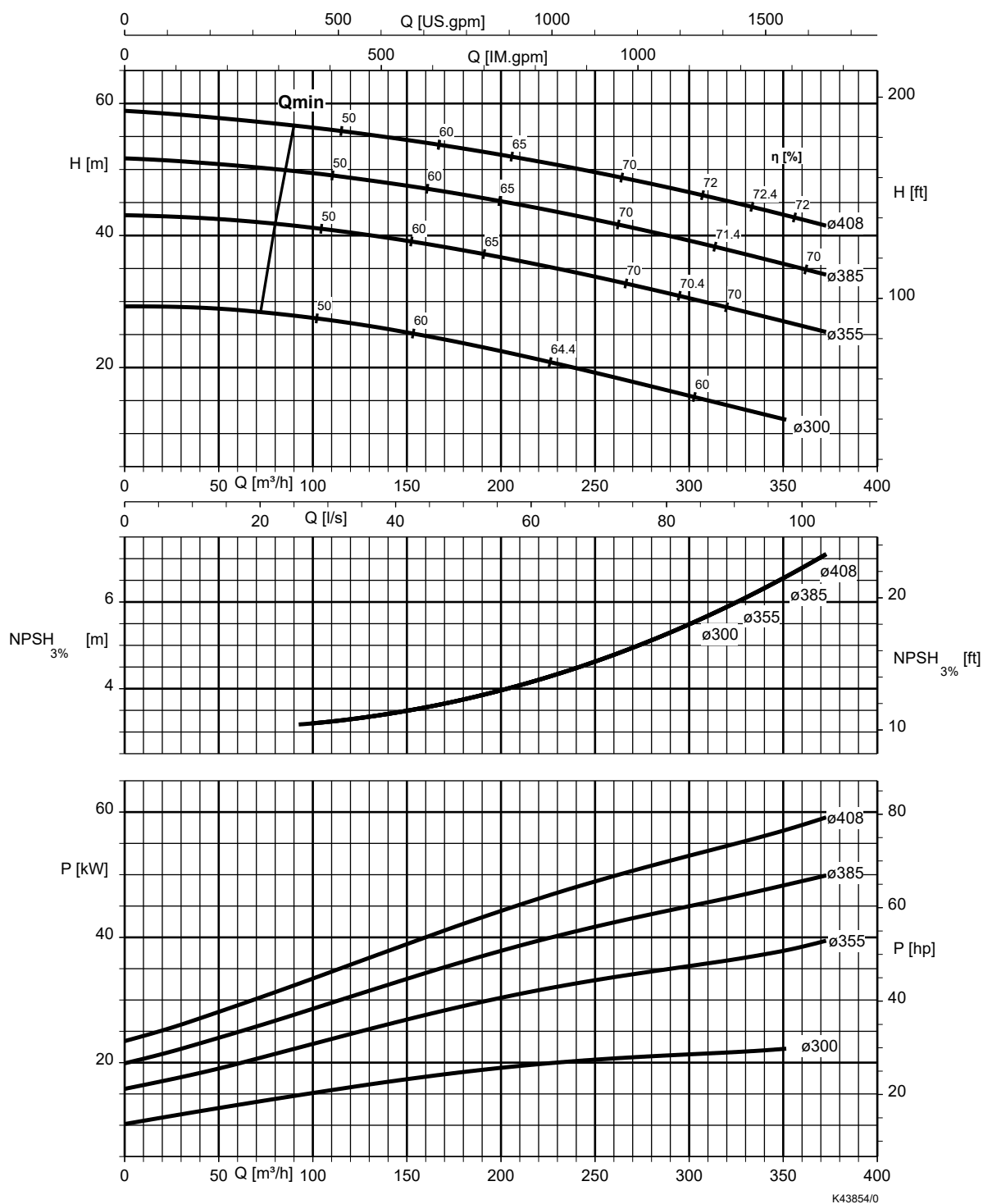
Characteristic curves for D-max impeller



Fig. 5: D-max impeller

Amarex KRT D 100-403, n = 1450 rpm

Characteristic curves to ISO 9906 Class 3B, below 10 kW to § 4.4.2. n = nominal speed



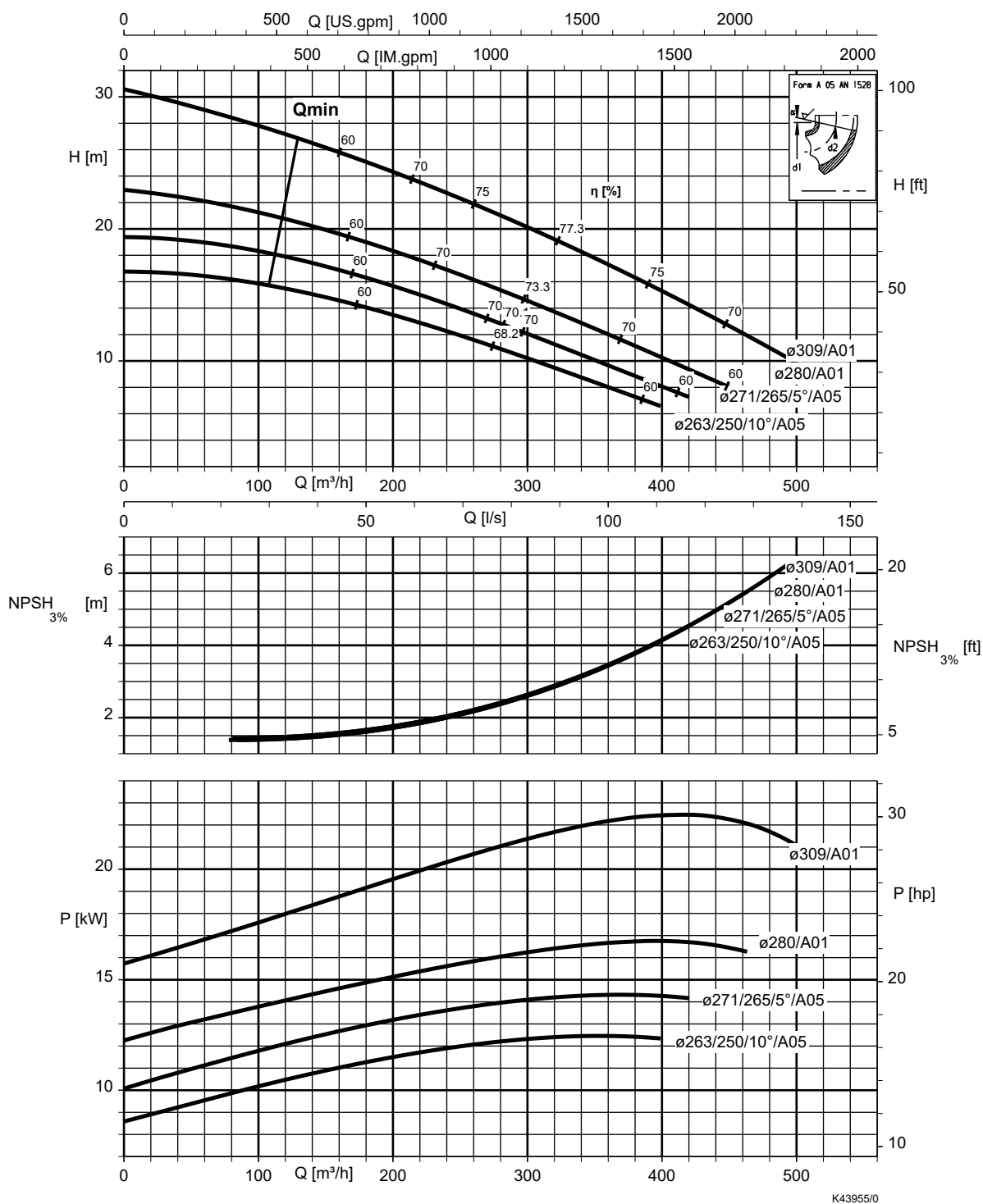
Free passage = 76 mm

Motor depending on material variant and installation type

Motor	G, G1, G2				
	Installation type				
	D	K	H	P	S
304_E_	-	-	-	X	X
304_F_	X	X	X	-	-
374_E_	-	-	-	X	X
374_F_	X	X	X	-	-
454_E_	-	-	-	X	X
554_E_	-	-	-	X	X
554_F_	X	X	X	-	-
654_E_	-	-	-	X	X
654_F_	X	X	X	-	-
754_E_	-	-	-	X	X
754_F_	X	X	X	-	-
804_N_	X	X	-	X	X
954_N_	X	X	-	X	X
1104_N_	X	X	-	X	X
1304_N_	X	X	-	X	X

Amarex KRT D 150-317, n = 1450 rpm

Characteristic curves to ISO 9906 Class 3B, below 10 kW to § 4.4.2. n = nominal speed



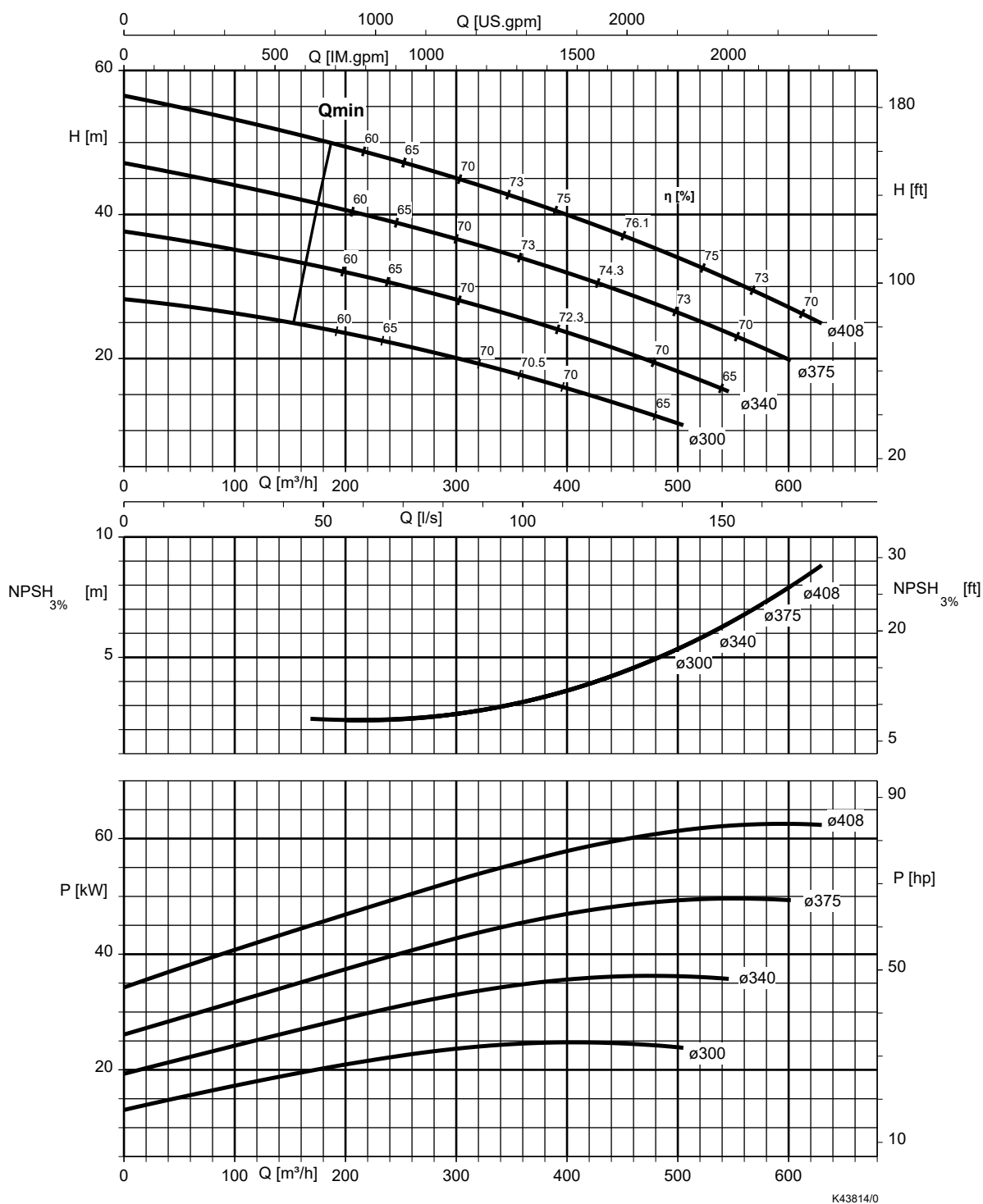
Free passage = 76 mm

Motor depending on material variant and installation type

Motor	G, G1, G2				
	Installation type				
	D	K	H	P	S
114_E_	X	X	X	X	X
154_E_	X	X	X	X	X
154_F_	X	X	X	-	-
184_E_	X	X	X	X	X
184_F_	X	X	X	-	-
224_E_	X	X	X	X	X
224_F_	X	X	X	-	-
304_E_	-	-	-	X	X
304_F_	X	X	X	-	-
374_E_	-	-	-	X	X
374_F_	X	X	X	-	-
454_E_	-	-	-	X	X
554_E_	-	-	-	X	X
554_F_	X	X	X	-	-

Amarex KRT D 150-403, n = 1450 rpm

Characteristic curves to ISO 9906 Class 3B, below 10 kW to § 4.4.2. n = nominal speed

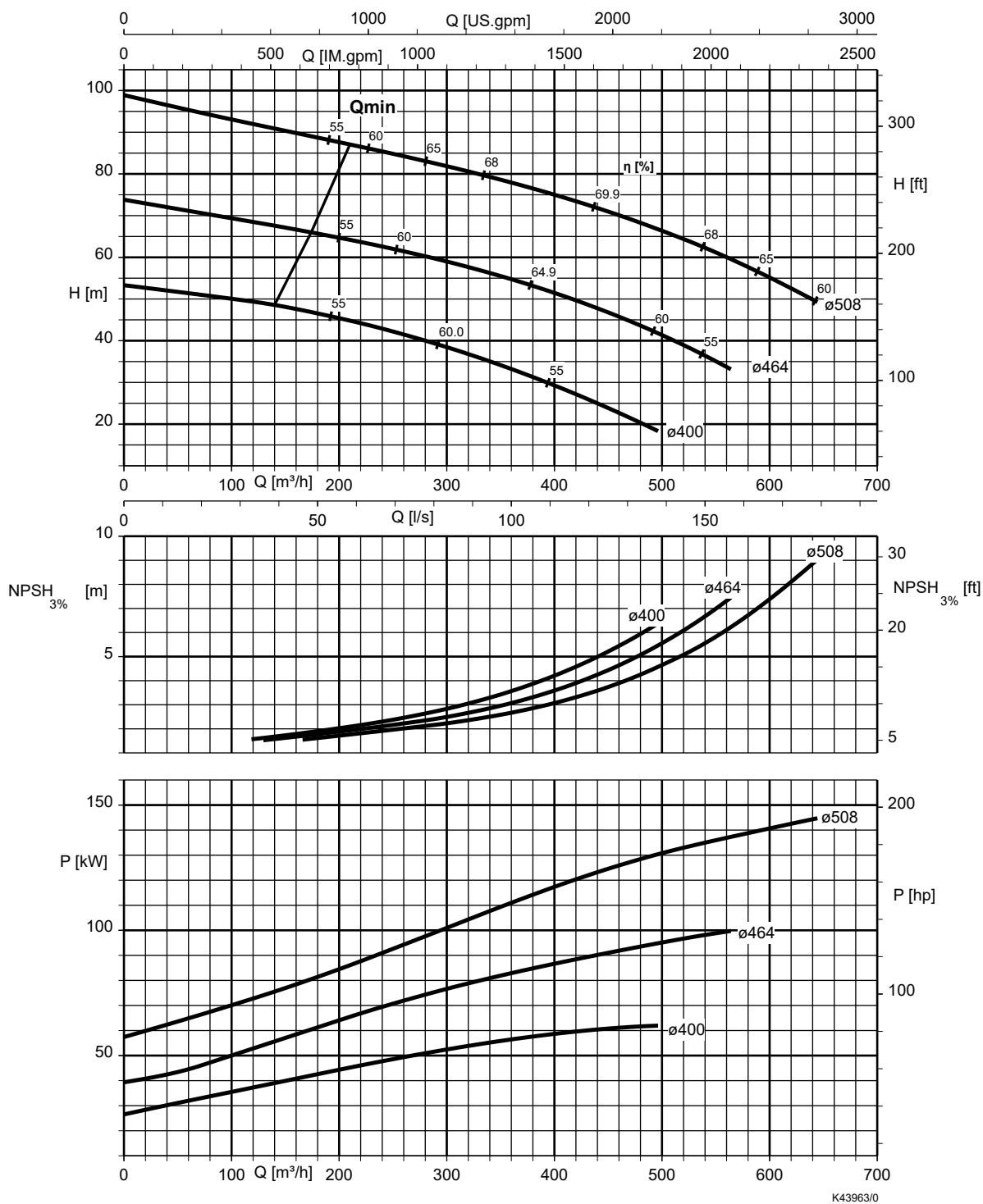


Free passage = 76 mm

Motor depending on material variant and installation type

Motor	G, G1, G2				
	Installation type				
	D	K	H	P	S
304_E_	-	-	-	X	X
304_F_	X	X	X	-	-
374_E_	-	-	-	X	X
374_F_	X	X	X	-	-
454_E_	-	-	-	X	X
554_E_	-	-	-	X	X
554_F_	X	X	X	-	-
654_E_	-	-	-	X	X
654_F_	X	X	X	-	-
754_E_	-	-	-	X	X
754_F_	X	X	X	-	-
804_N_	X	X	-	X	X
954_N_	X	X	-	X	X
1104_N_	X	X	-	X	X
1304_N_	X	X	-	X	X
1554_N_	X	X	-	X	X

Amarex KRT D 150-503, n = 1450 rpm



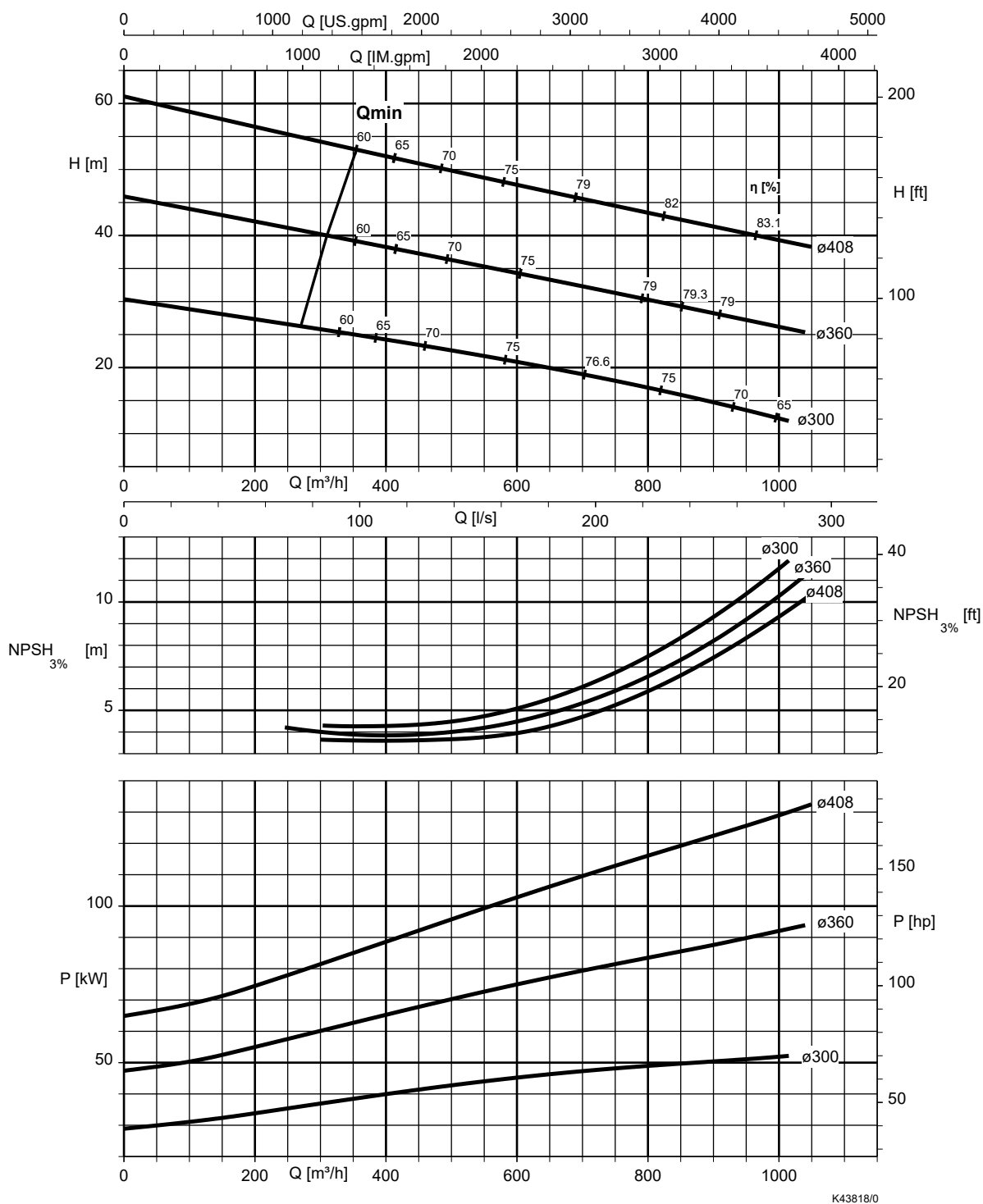
Free passage = 76 mm

Motor depending on material variant and installation type

Motor	G, G1, G2				
	Installation type				
	D	K	H	P	S
804_N_	X	X	-	-	X
954_N_	X	X	-	-	X
1104_N_	X	X	-	-	X
1304_N_	X	X	-	-	X
1554_N_	X	X	-	-	X
1754_N_	X	X	-	-	X
2004_N_	X	X	-	-	X
2504_N_	X	X	-	-	X

Amarex KRT D 200-402, n = 1450 rpm

Characteristic curves to ISO 9906 Class 3B, below 10 kW to § 4.4.2. n = nominal speed



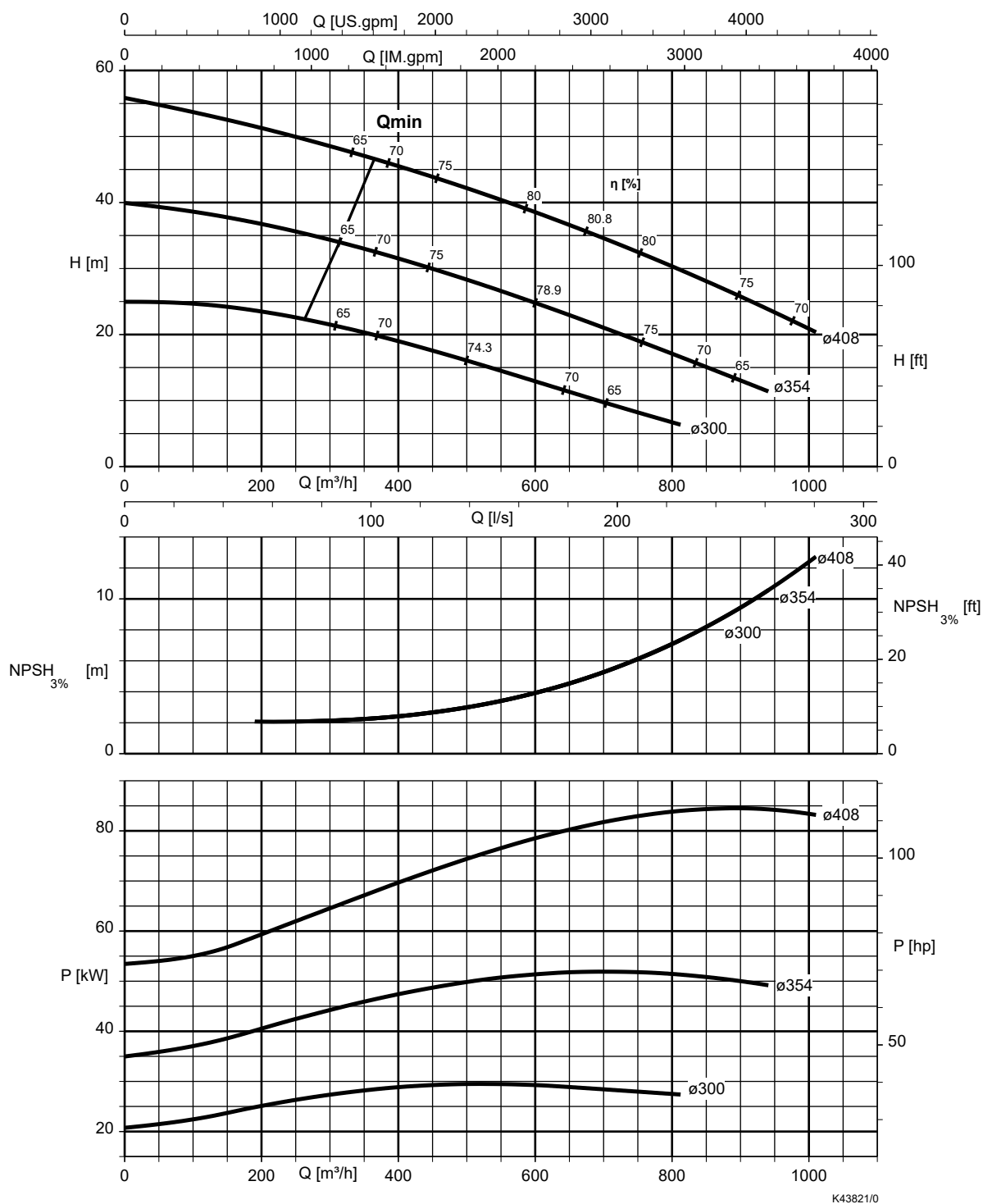
Free passage = 80 mm

Motor depending on material variant and installation type

Motor	G, G1, G2				
	Installation type				
	D	K	H	P	S
304_F_	X	X	X	-	-
374_F_	X	X	X	-	-
454_E_	-	-	-	X	X
554_E_	-	-	-	X	X
554_F_	X	X	X	-	-
654_E_	-	-	-	X	X
654_F_	X	X	X	-	-
754_E_	-	-	-	X	X
754_F_	X	X	X	-	-
804_N_	X	X	-	X	X
954_N_	X	X	-	X	X
1104_N_	X	X	-	X	X
1304_N_	X	X	-	X	X
1554_N_	X	X	-	X	X
1754_N_	X	X	-	X	X

Amarex KRT D 200-405, n = 1450 rpm

Characteristic curves to ISO 9906 Class 3B, below 10 kW to § 4.4.2. n = nominal speed



Free passage = 90 mm

2553.45/19-EN

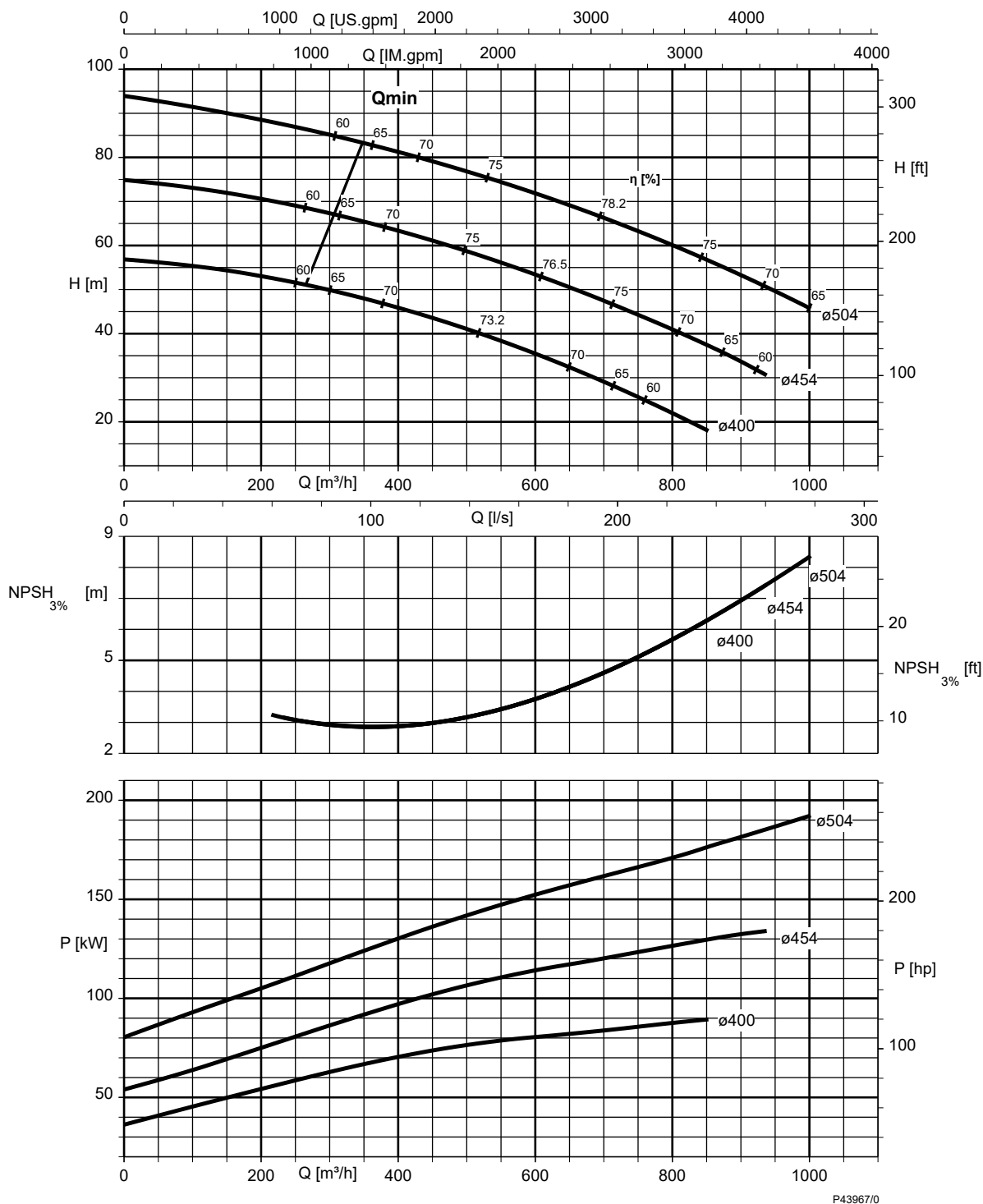
Motor depending on material variant and installation type

Motor	G, G1, G2				
	Installation type				
	D	K	H	P	S
304_E_	-	-	-	X	X
304_F_	X	X	X	-	-
374_E_	-	-	-	X	X
374_F_	X	X	X	-	-
454_E_	-	-	-	X	X
554_E_	-	-	-	X	X
554_F_	X	X	X	-	-
654_E_	-	-	-	X	X
654_F_	X	X	X	-	-
754_E_	-	-	-	X	X
754_F_	X	X	X	-	-
804_N_	X	X	-	X	X
954_N_	X	X	-	X	X
1104_N_	X	X	-	X	X
1304_N_	X	X	-	X	X
1554_N_	X	X	-	X	X

Amarex KRT D 200-503, n = 1450 rpm

Characteristic curves to ISO 9906 Class 3B, below 10 kW to § 4.4.2. n = nominal speed

Consult the manufacturer.



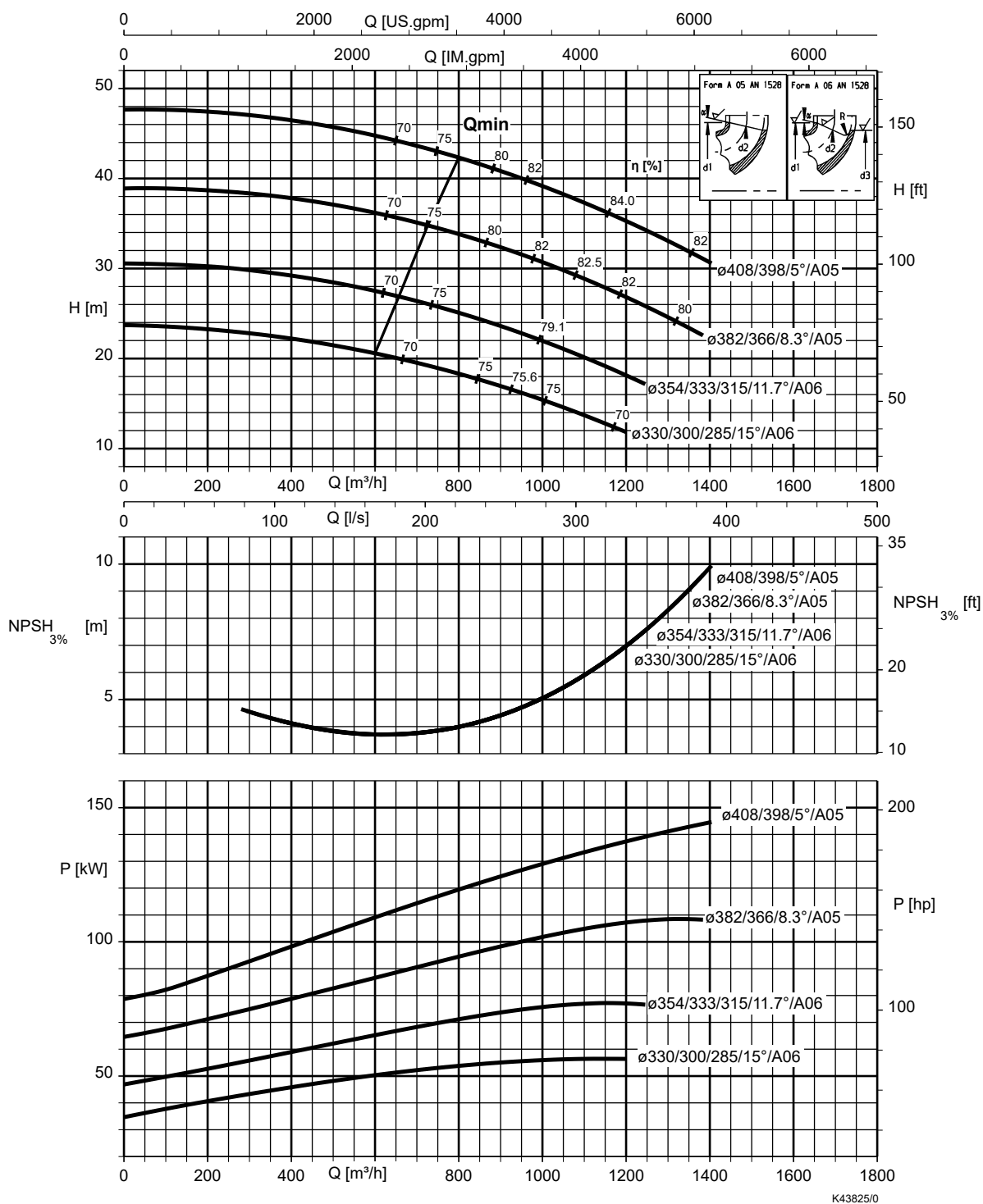
Free passage = 90 mm

Motor depending on material variant and installation type

Motor	G, G1, G2				
	Installation type				
	D	K	H	P	S
804_N_	X	X	-	-	X
954_N_	X	X	-	-	X
1104_N_	X	X	-	-	X
1304_N_	X	X	-	-	X
1554_N_	X	X	-	-	X
1754_N_	X	X	-	-	X
2004_N_	X	X	-	-	X
2504_N_	X	X	-	-	X
3004_N_	X	X	-	-	X

Amarex KRT D 250-402, n = 1450 rpm

Characteristic curves to ISO 9906 Class 3B, below 10 kW to § 4.4.2. n = nominal speed



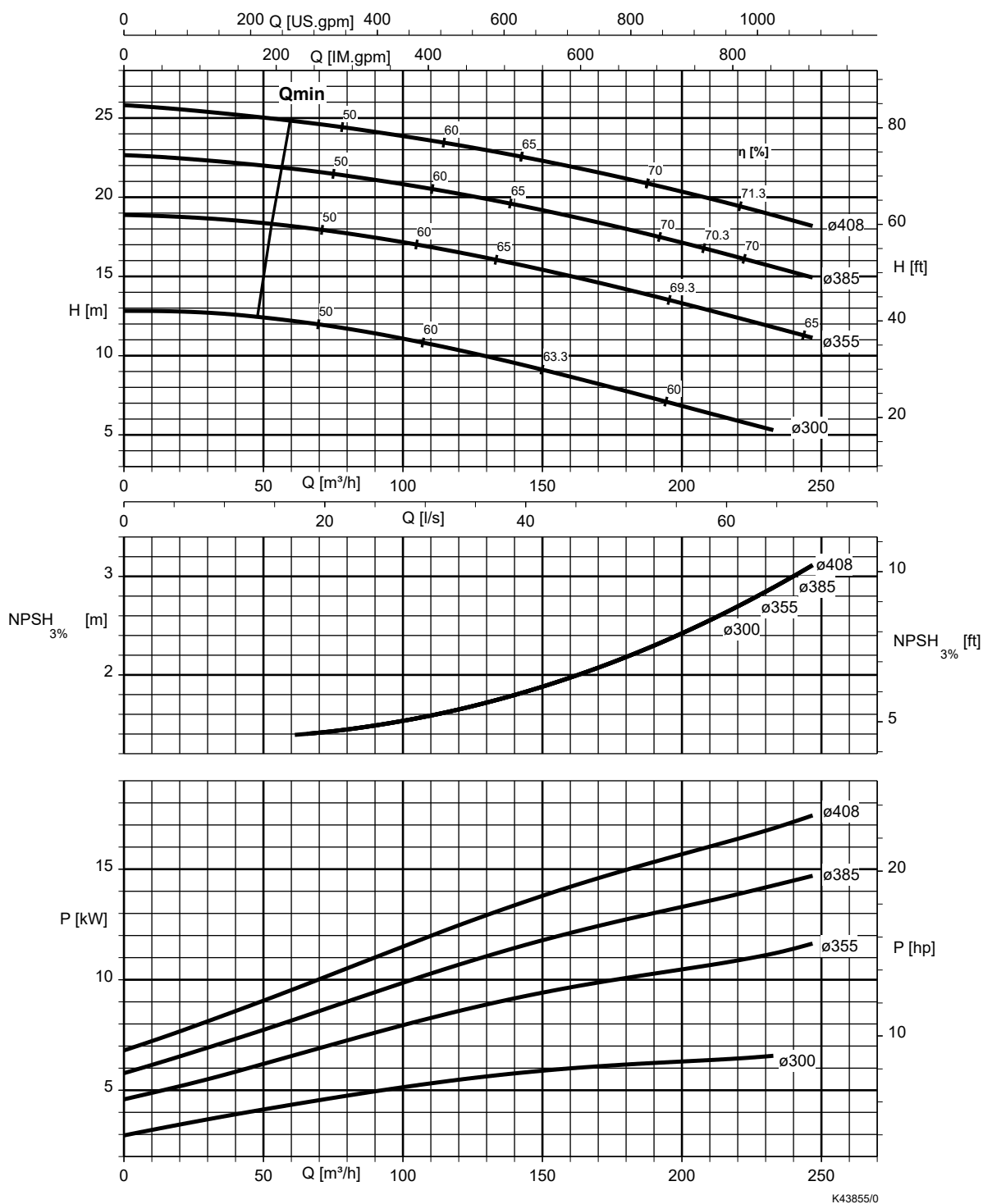
Free passage = 106 mm

Motor depending on material variant and installation type

Motor	G, G1, G2				
	Installation type				
	D	K	H	P	S
304_F_	X	X	X	-	-
374_F_	X	X	X	-	-
554_E_	-	-	-	X	X
554_F_	X	X	X	-	-
654_E_	-	-	-	X	X
654_F_	X	X	X	-	-
754_E_	-	-	-	X	X
754_F_	X	X	X	-	-
804_N_	X	X	-	X	X
954_N_	X	X	-	X	X
1104_N_	X	X	-	X	X
1304_N_	X	X	-	X	X
1554_N_	X	X	-	X	X
1754_N_	X	X	-	X	X

Amarex KRT D 100-403, n = 960 rpm

Characteristic curves to ISO 9906 Class 3B, below 10 kW to § 4.4.2. n = nominal speed



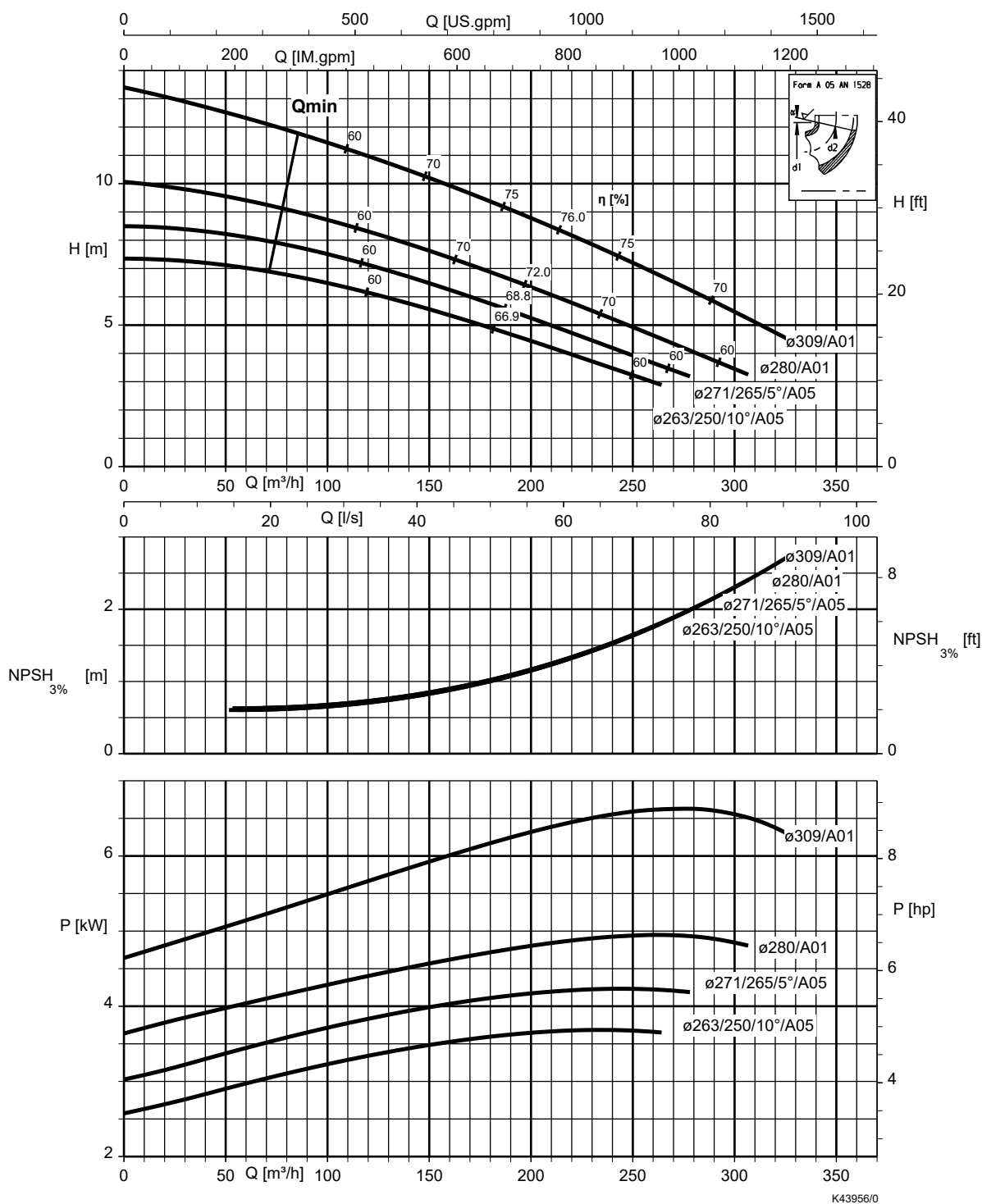
Free passage = 76 mm

Motor depending on material variant and installation type

Motor	G, G1, G2				
	Installation type				
	D	K	H	P	S
226_E_	-	-	-	X	X
226_F_	X	X	X	-	-
306_E_	-	-	-	X	X
306_F_	X	X	X	-	-
316_E_	-	-	-	X	X
316_F_	X	X	X	-	-
376_E_	-	-	-	X	X
376_F_	X	X	X	-	-
456_E_	-	-	-	X	X
456_F_	X	X	X	-	-
556_E_	-	-	-	X	X
556_F_	X	X	X	-	-

Amarex KRT D 150-317, n = 960 rpm

Characteristic curves to ISO 9906 Class 3B, below 10 kW to § 4.4.2. n = nominal speed



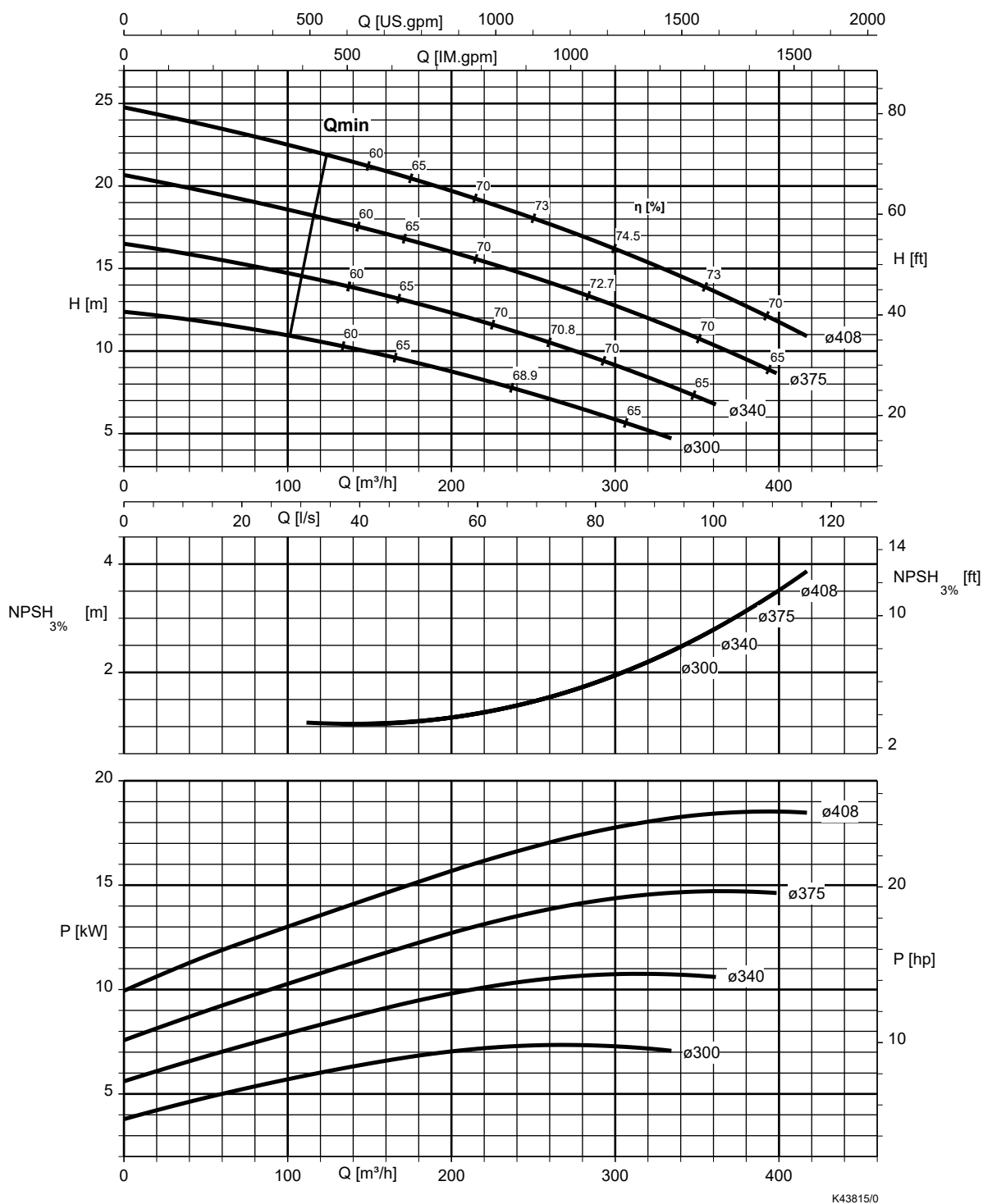
Free passage = 76 mm

Motor depending on material variant and installation type

Motor	G, G1, G2				
	Installation type				
	D	K	H	P	S
76_E_	X	X	X	X	X
116_E_	X	X	X	X	X
156_E_	X	X	X	X	X
156_F_	X	X	X	-	-
186_E_	X	X	X	X	X
186_F_	X	X	X	-	-
226_E_	-	-	-	X	X
226_F_	X	X	X	-	-

Amarex KRT D 150-403, n = 960 rpm

Characteristic curves to ISO 9906 Class 3B, below 10 kW to § 4.4.2. n = nominal speed



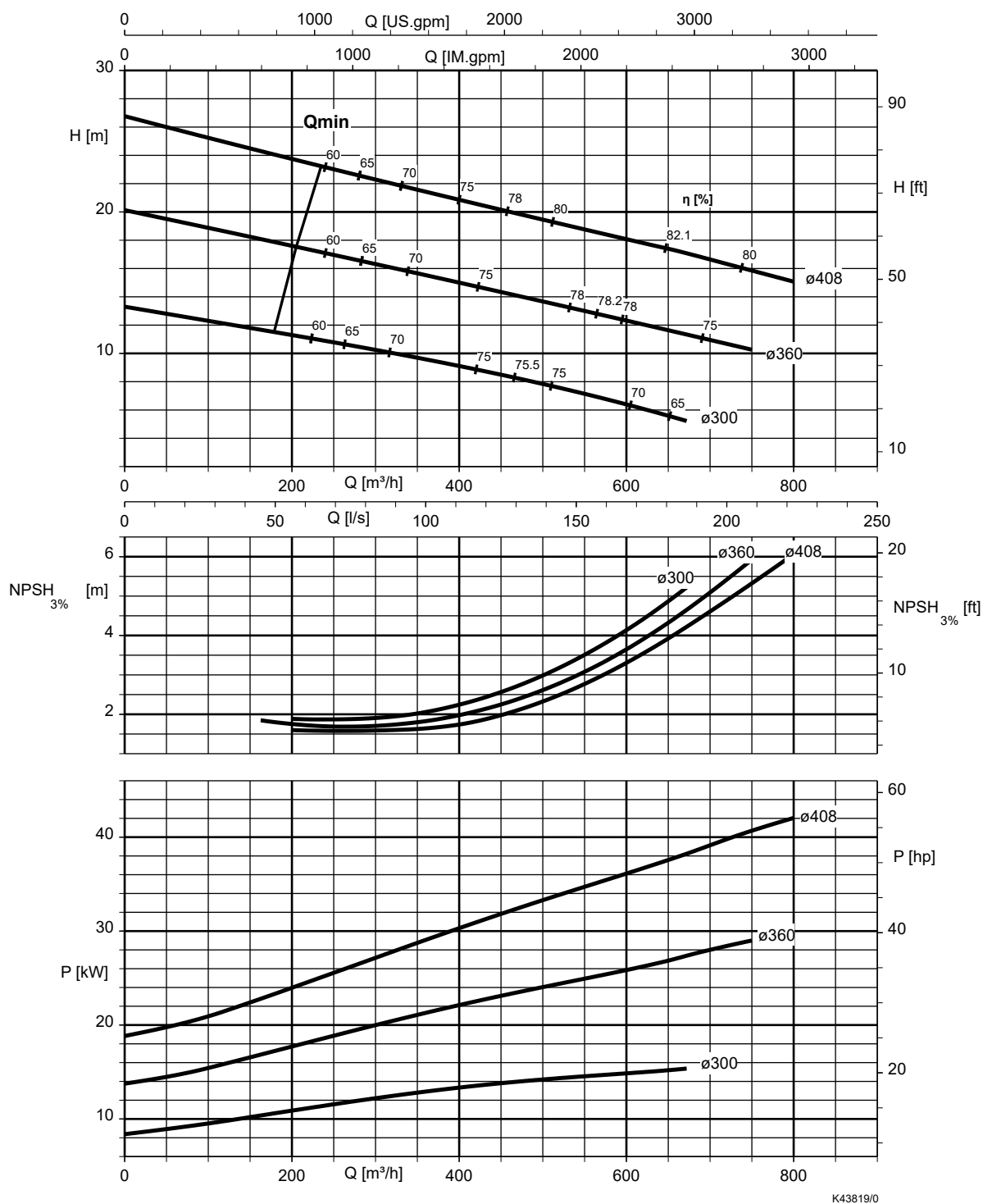
Free passage = 76 mm

Motor depending on material variant and installation type

Motor	G, G1, G2				
	Installation type				
	D	K	H	P	S
226_E_	-	-	-	X	X
226_F_	X	X	X	-	-
306_E_	-	-	-	X	X
306_F_	X	X	X	-	-
316_E_	-	-	-	X	X
316_F_	X	X	X	-	-
376_E_	-	-	-	X	X
376_F_	X	X	X	-	-
456_E_	-	-	-	X	X
456_F_	X	X	X	-	-
556_E_	-	-	-	X	X
556_F_	X	X	X	-	-

Amarex KRT D 200-402, n = 960 rpm

Characteristic curves to ISO 9906 Class 3B, below 10 kW to § 4.4.2. n = nominal speed



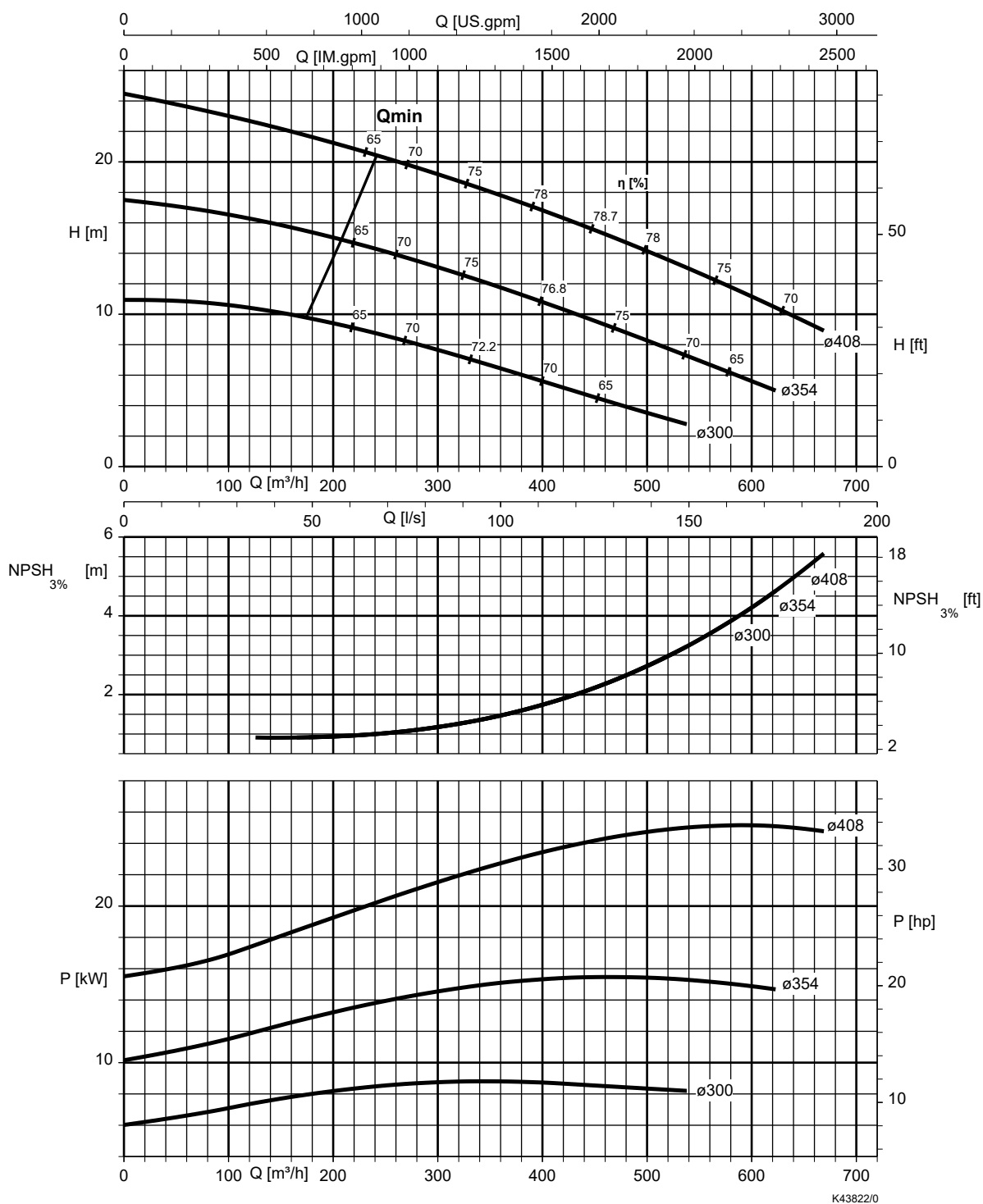
Free passage = 80 mm

Motor depending on material variant and installation type

Motor	G, G1, G2				
	Installation type				
	D	K	H	P	S
226_E_	-	-	-	X	X
226_F_	X	X	X	-	-
306_E_	-	-	-	X	X
306_F_	X	X	X	-	-
316_E_	-	-	-	X	X
316_F_	X	X	X	-	-
376_E_	-	-	-	X	X
376_F_	X	X	X	-	-
456_E_	-	-	-	X	X
456_F_	X	X	X	-	-
556_E_	-	-	-	X	X
556_F_	X	X	X	-	-
606_N_	X	X	-	X	X
806_N_	X	X	-	X	X

Amarex KRT D 200-405, n = 960 rpm

Characteristic curves to ISO 9906 Class 3B, below 10 kW to § 4.4.2. n = nominal speed



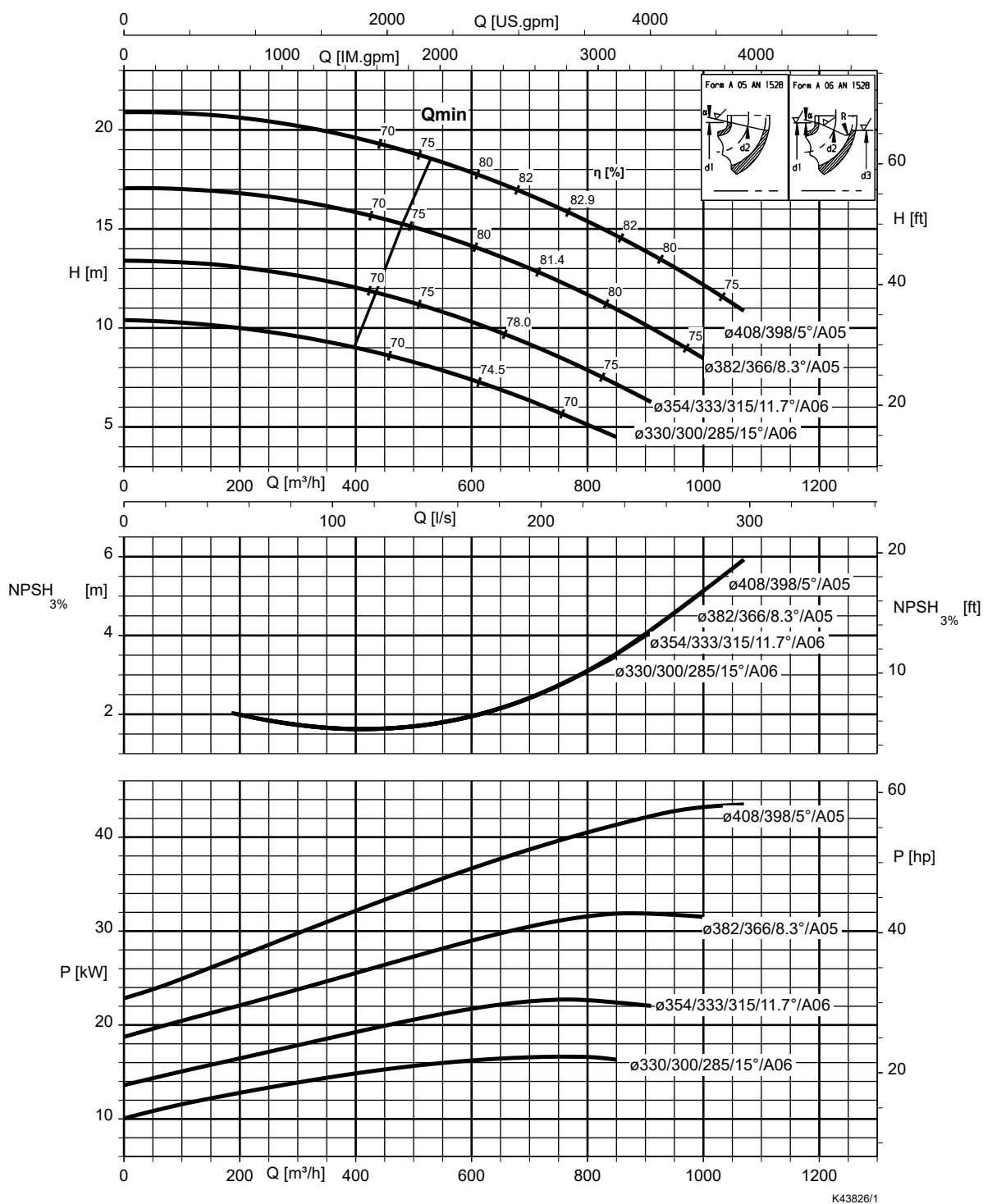
Free passage = 90 mm

Motor depending on material variant and installation type

Motor	G, G1, G2				
	Installation type				
	D	K	H	P	S
226_E_	-	-	-	X	X
226_F_	X	X	X	-	-
306_E_	-	-	-	X	X
306_F_	X	X	X	-	-
316_E_	-	-	-	X	X
316_F_	X	X	X	-	-
376_E_	-	-	-	X	X
376_F_	X	X	X	-	-
456_E_	-	-	-	X	X
456_F_	X	X	X	-	-
556_E_	-	-	-	X	X
556_F_	X	X	X	-	-

Amarex KRT D 250-402, n = 960 rpm

Characteristic curves to ISO 9906 Class 3B, below 10 kW to § 4.4.2. n = nominal speed



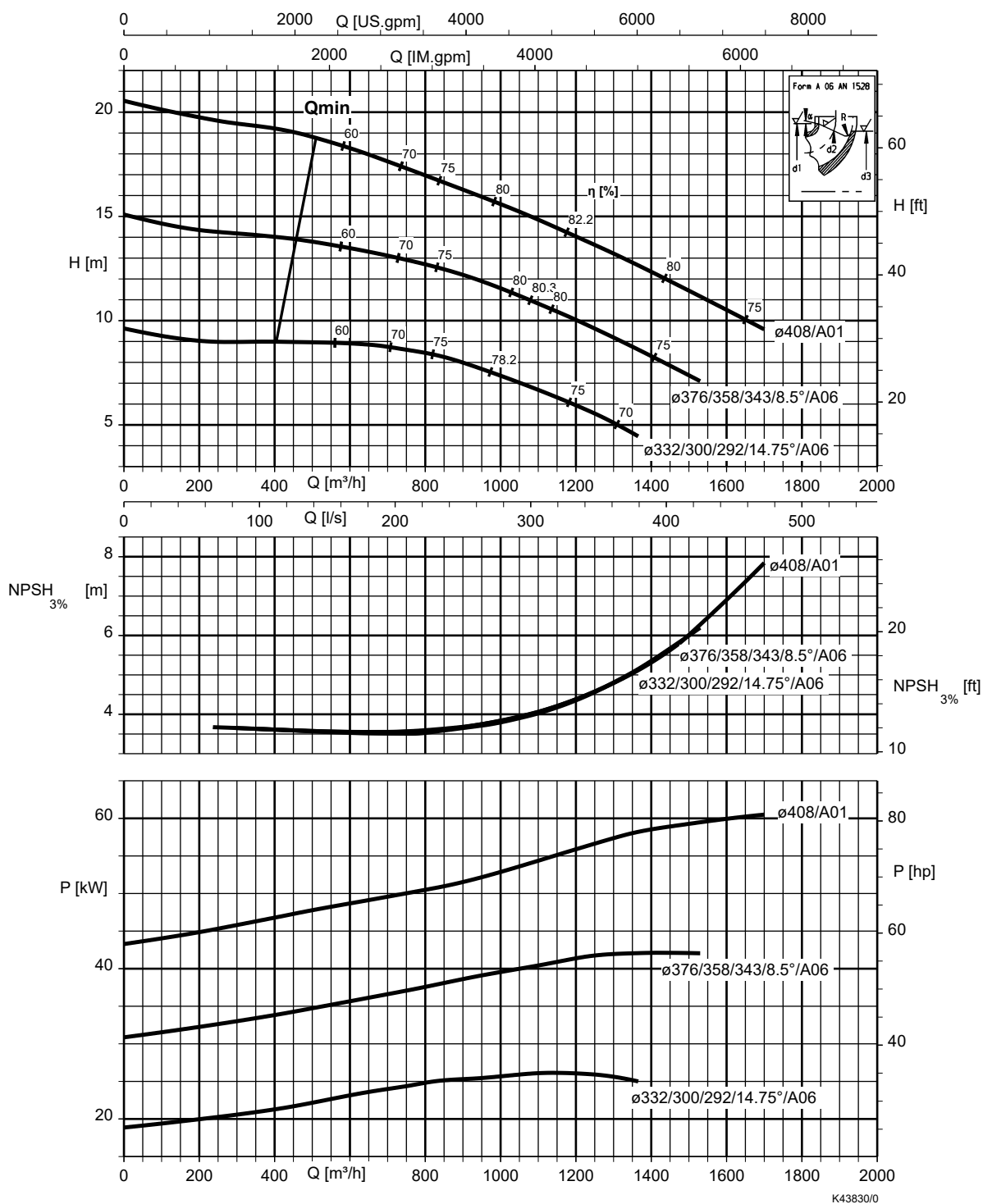
Free passage = 106 mm

Motor depending on material variant and installation type

Motor	G, G1, G2				
	Installation type				
	D	K	H	P	S
226_E_	-	-	-	X	X
226_F_	X	X	X	-	-
306_E_	-	-	-	X	X
306_F_	X	X	X	-	-
316_E_	-	-	-	X	X
316_F_	X	X	X	-	-
376_E_	-	-	-	X	X
376_F_	X	X	X	-	-
456_E_	-	-	-	X	X
456_F_	X	X	X	-	-
556_E_	-	-	-	X	X
556_F_	X	X	X	-	-
606_N_	X	X	-	X	X
806_N_	X	X	-	X	X

Amarex KRT D 300-402, n = 960 rpm

Characteristic curves to ISO 9906 Class 3B, below 10 kW to § 4.4.2. n = nominal speed



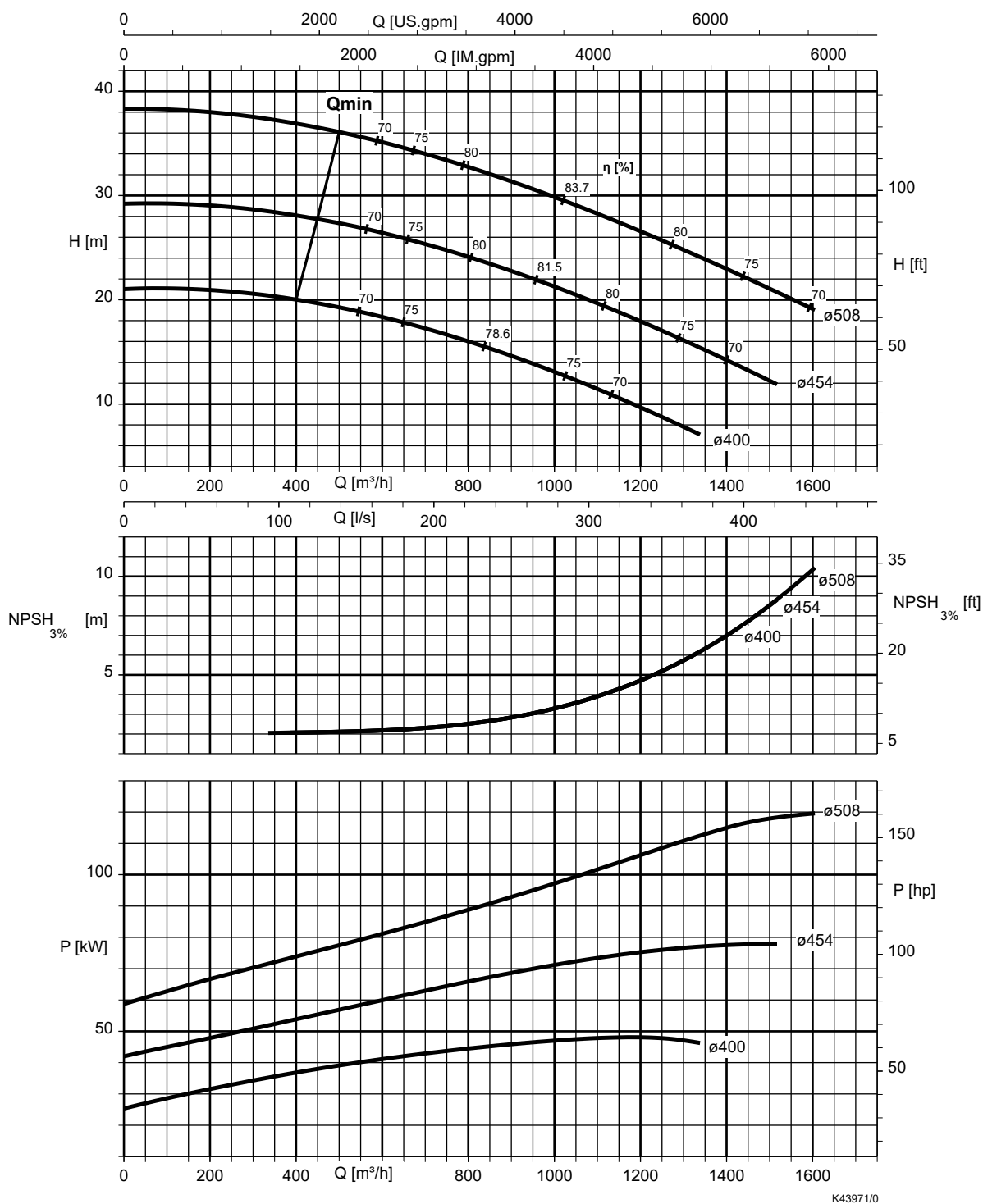
Free passage = 100 mm

Motor depending on material variant and installation type

Motor	G, G1, G2				
	Installation type				
	D	K	H	P	S
226_E_	-	-	-	X	X
226_F_	X	X	X	-	-
306_E_	-	-	-	X	X
306_F_	X	X	X	-	-
316_E_	-	-	-	X	X
316_F_	X	X	X	-	-
376_E_	-	-	-	X	X
376_F_	X	X	X	-	-
456_E_	-	-	-	X	X
456_F_	X	X	X	-	-
556_E_	-	-	-	X	X
556_F_	X	X	X	-	-
606_N_	X	X	-	X	X
806_N_	X	X	-	X	X
1006_N_	X	X	-	X	X
1206_N_	X	X	-	-	X

Amarex KRT D 300-502, n = 960 rpm

Characteristic curves to ISO 9906 Class 3B, below 10 kW to § 4.4.2. n = nominal speed



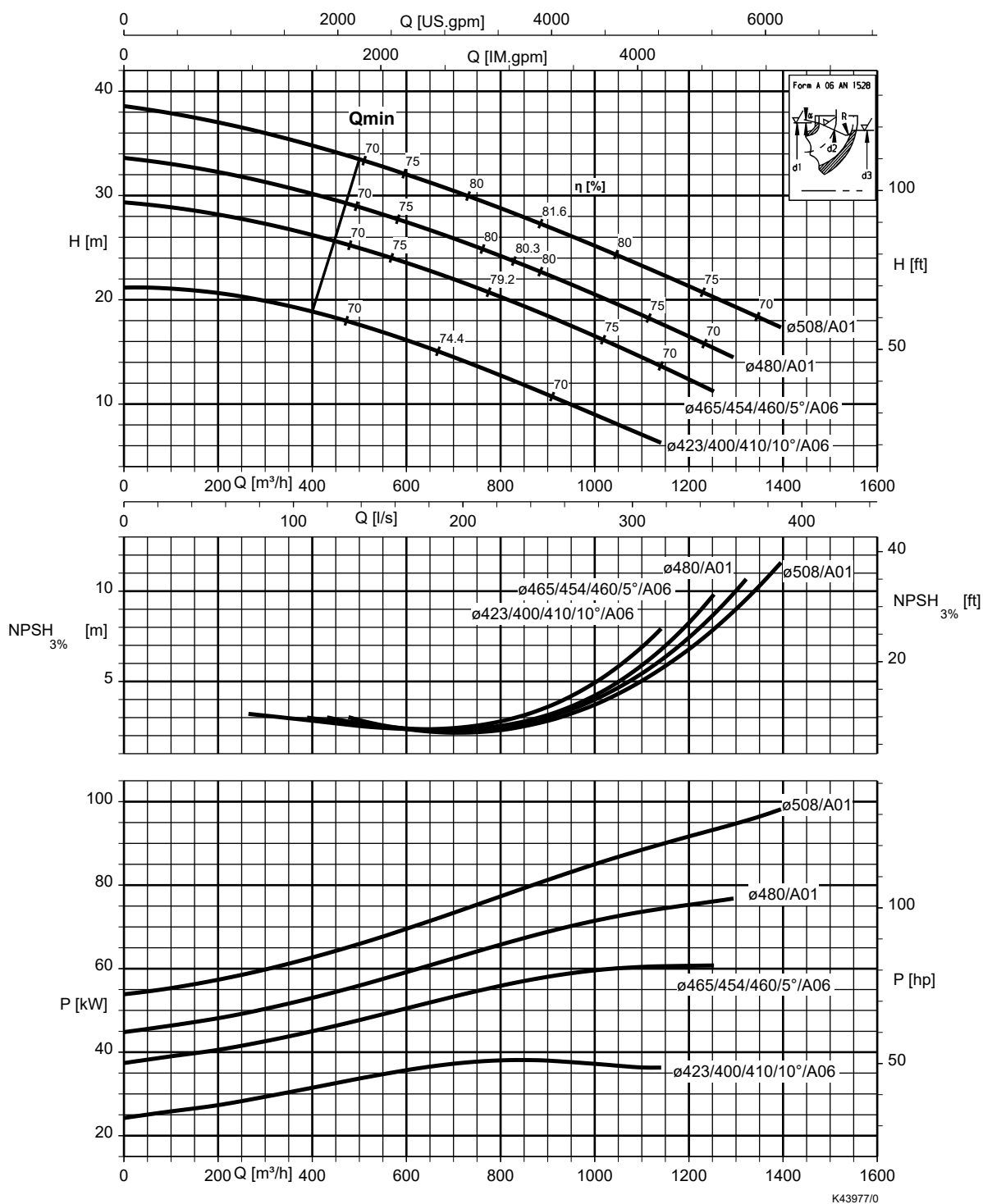
Free passage = 102 mm

Motor depending on material variant and installation type

Motor	G, G1, G2				
	Installation type				
	D	K	H	P	S
606_N_	X	X	-	-	X
806_N_	X	X	-	-	X
1006_N_	X	X	-	-	X
1206_N_	X	X	-	-	X
1406_N_	X	X	-	-	X
1656_N_	X	X	-	-	X
1906_N_	X	X	-	-	X
2256_N_	X	X	-	-	X

Amarex KRT D 300-505, n = 960 rpm

Characteristic curves to ISO 9906 Class 3B, below 10 kW to § 4.4.2. n = nominal speed



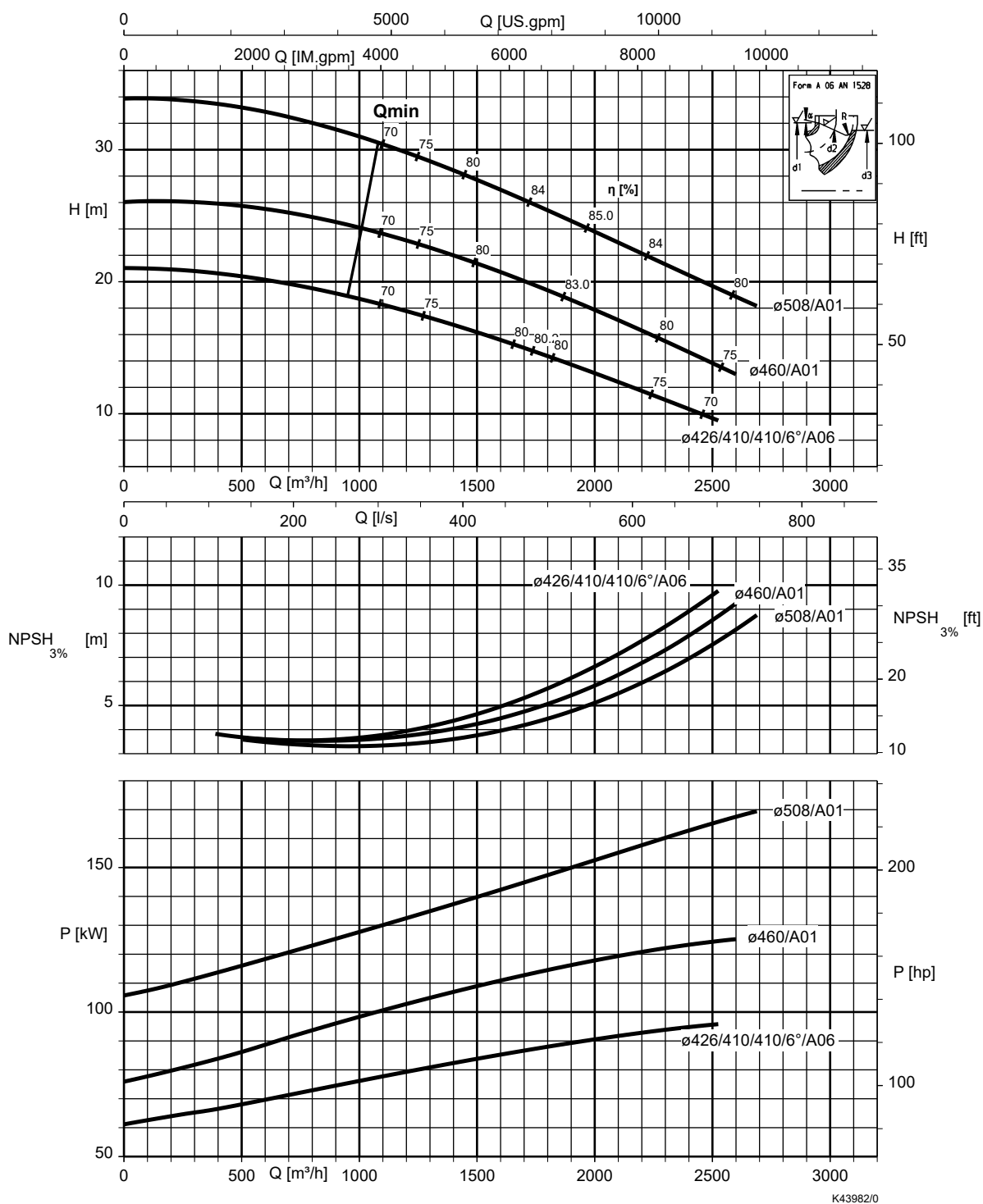
Free passage = 127 mm

Motor depending on material variant and installation type

Motor	G, G1, G2				
	Installation type				
	D	K	H	P	S
606_N_	X	X	-	-	X
806_N_	X	X	-	-	X
1006_N_	X	X	-	-	X
1206_N_	X	X	-	-	X
1406_N_	X	X	-	-	X

Amarex KRT D 350-502, n = 960 rpm

Characteristic curves to ISO 9906 Class 3B, below 10 kW to § 4.4.2. n = nominal speed



Free passage = 145 mm

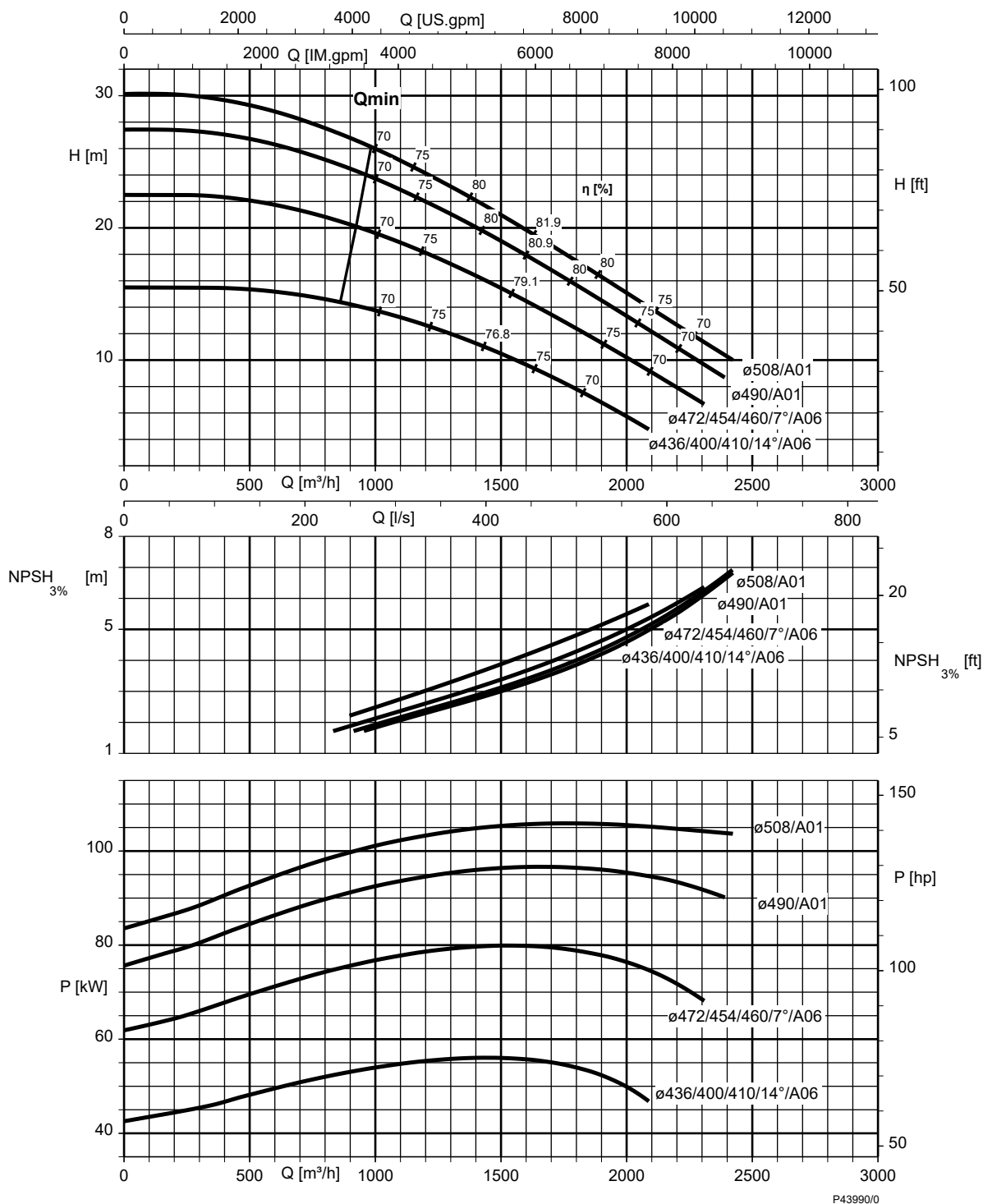
Motor depending on material variant and installation type

Motor	G, G1, G2				
	Installation type				
	D	K	H	P	S
606_N_	X	X	-	-	X
806_N_	X	X	-	-	X
1006_N_	X	X	-	-	X
1206_N_	X	X	-	-	X
1406_N_	X	X	-	-	X
1656_N_	X	X	-	-	X
1906_N_	X	X	-	-	X
2256_N_	X	X	-	-	X
2606_N_	X	X	-	-	X

Amarex KRT D 350-503, n = 960 rpm

Characteristic curves to ISO 9906 Class 3B, below 10 kW to § 4.4.2. n = nominal speed

Consult the manufacturer.



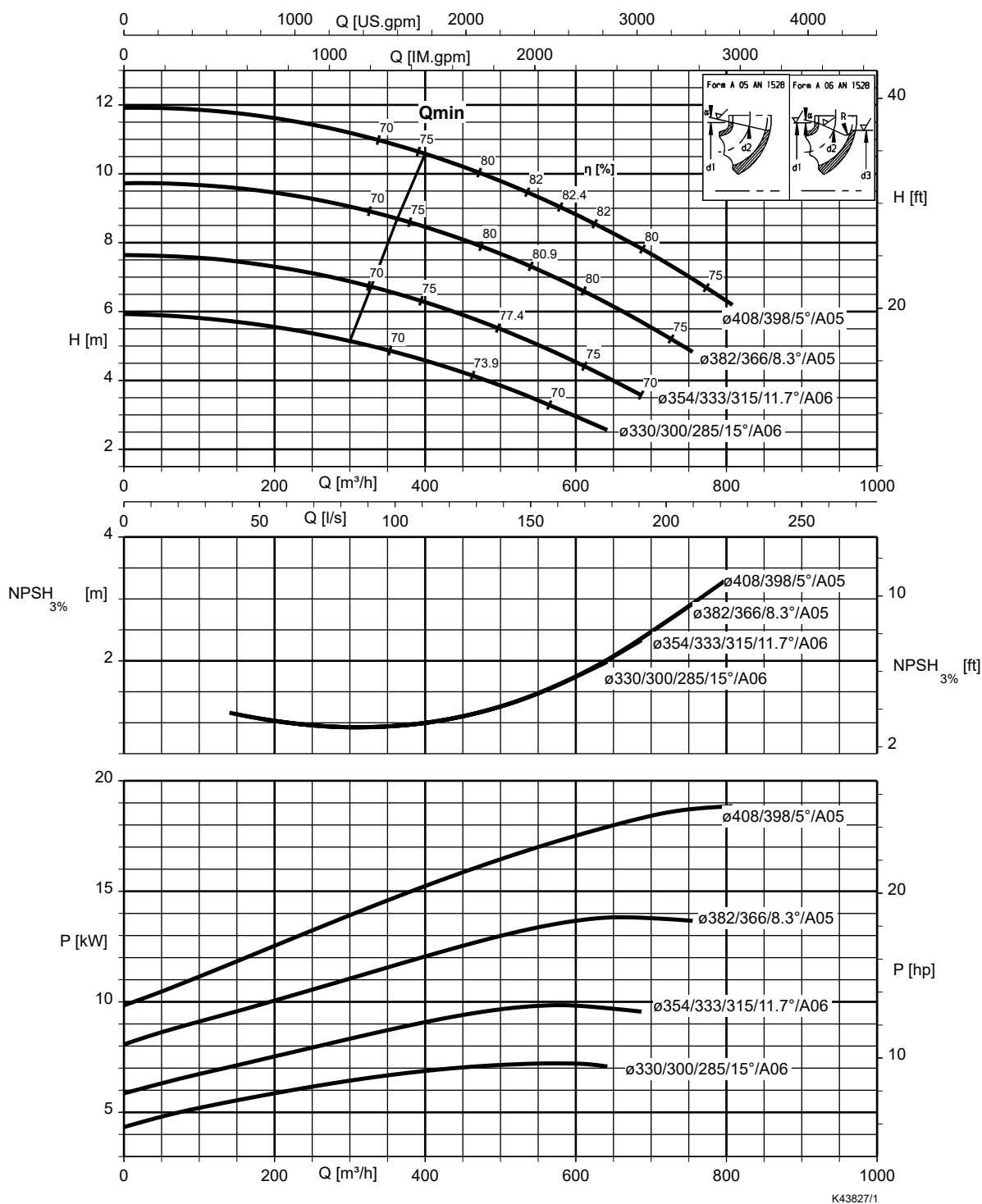
Free passage = 140 mm

Motor depending on material variant and installation type

Motor	G, G1, G2				
	Installation type				
	D	K	H	P	S
606_N_	X	X	-	-	X
806_N_	X	X	-	-	X
1006_N_	X	X	-	-	X
1206_N_	X	X	-	-	X
1406_N_	X	X	-	-	X
1656_N_	X	X	-	-	X
1906_N_	X	X	-	-	X

Amarex KRT D 250-402, n = 725 rpm

Characteristic curves to ISO 9906 Class 3B, below 10 kW to § 4.4.2. n = nominal speed



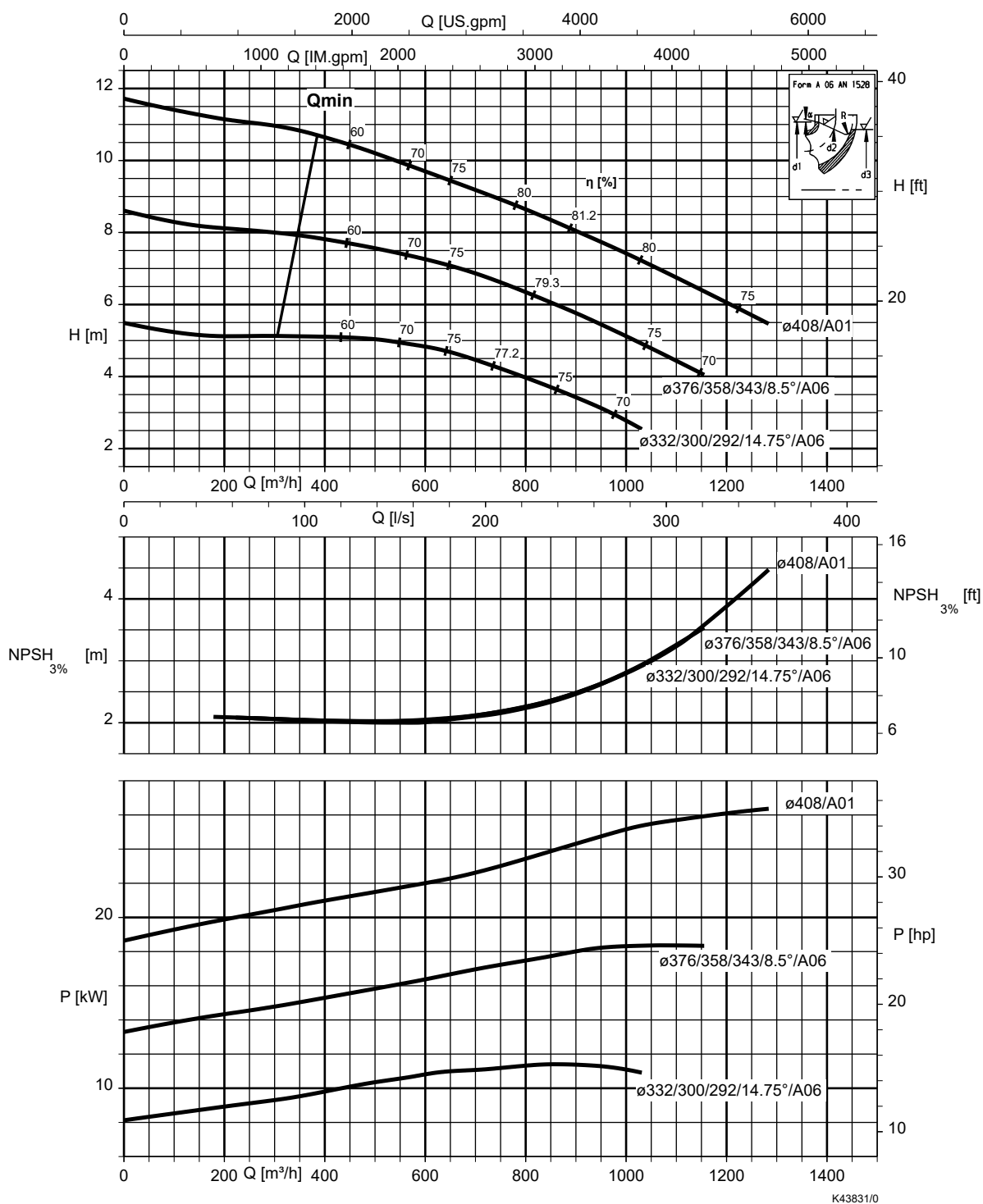
Free passage = 106 mm

Motor depending on material variant and installation type

Motor	G, G1, G2				
	Installation type				
	D	K	H	P	S
118_E_	-	-	-	X	X
158_E_	-	-	-	X	X
158_F_	X	X	X	-	-
188_E_	-	-	-	X	X
188_F_	X	X	X	-	-
228_E_	-	-	-	X	X
228_F_	X	X	X	-	-
308_E_	-	-	-	X	X
308_F_	X	X	X	-	-
378_E_	-	-	-	X	X
378_F_	X	X	X	-	-
458_E_	-	-	-	X	X
458_F_	X	X	X	-	-

Amarex KRT D 300-402, n = 725 rpm

Characteristic curves to ISO 9906 Class 3B, below 10 kW to § 4.4.2. n = nominal speed



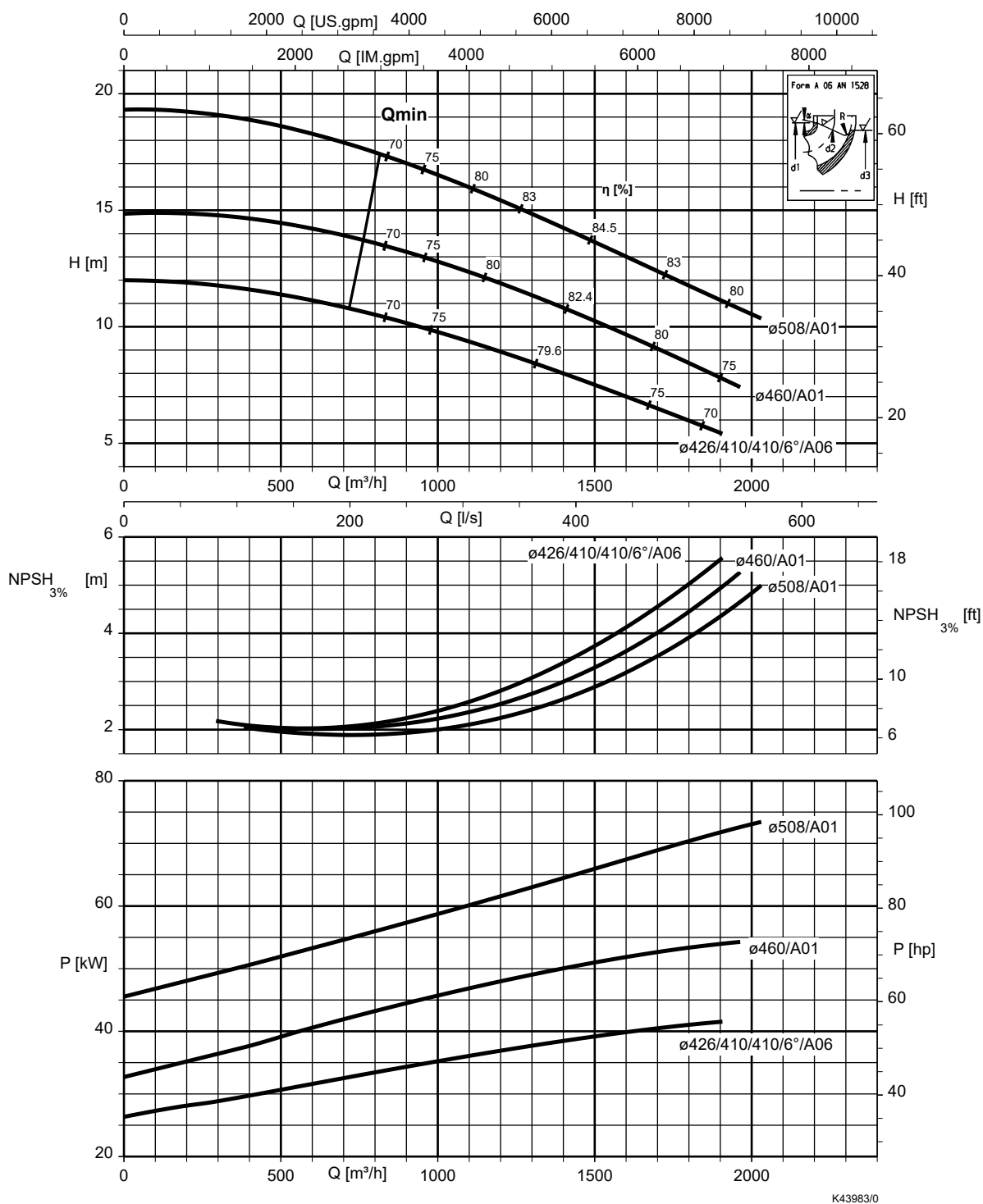
Free passage = 100 mm

Motor depending on material variant and installation type

Motor	G, G1, G2				
	Installation type				
	D	K	H	P	S
118_E_	-	-	-	X	X
158_E_	-	-	-	X	X
158_F_	X	X	X	-	-
188_E_	-	-	-	X	X
188_F_	X	X	X	-	-
228_E_	-	-	-	X	X
228_F_	X	X	X	-	-
308_E_	-	-	-	X	X
308_F_	X	X	X	-	-
378_E_	-	-	-	X	X
378_F_	X	X	X	-	-
458_E_	-	-	-	X	X
458_F_	X	X	X	-	-
508_N_	X	X	-	X	X
658_N_	-	-	-	X	X

Amarex KRT D 350-502, n = 725 rpm

Characteristic curves to ISO 9906 Class 3B, below 10 kW to § 4.4.2. n = nominal speed



Free passage = 145 mm

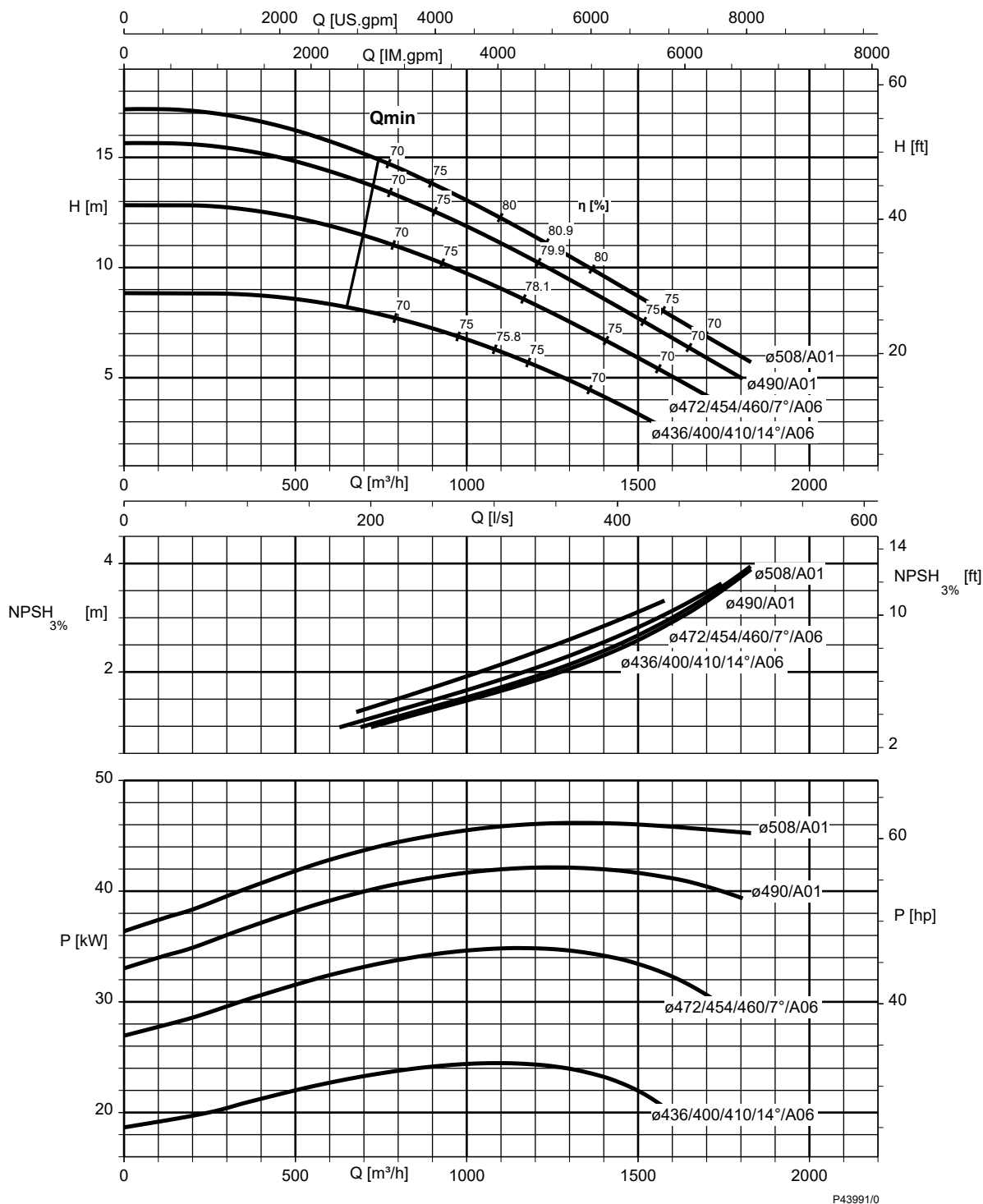
Motor depending on material variant and installation type

Motor	G, G1, G2				
	Installation type				
	D	K	H	P	S
508_N_	X	X	-	-	X
658_N_	-	-	-	-	X
758_N_	X	X	-	-	X
908_N_	X	X	-	-	X
1108_N_	X	X	-	-	X
1308_N_	X	X	-	-	X
1508_N_	X	X	-	-	X

Amarex KRT D 350-503, n = 725 rpm

Characteristic curves to ISO 9906 Class 3B, below 10 kW to § 4.4.2. n = nominal speed

Consult the manufacturer.



Free passage = 140 mm

Motor depending on material variant and installation type

Motor	G, G1, G2				
	Installation type				
	D	K	H	P	S
508_N_	X	X	-	-	X
658_N_	-	-	-	-	X
758_N_	X	X	-	-	X
908_N_	X	X	-	-	X

K impeller

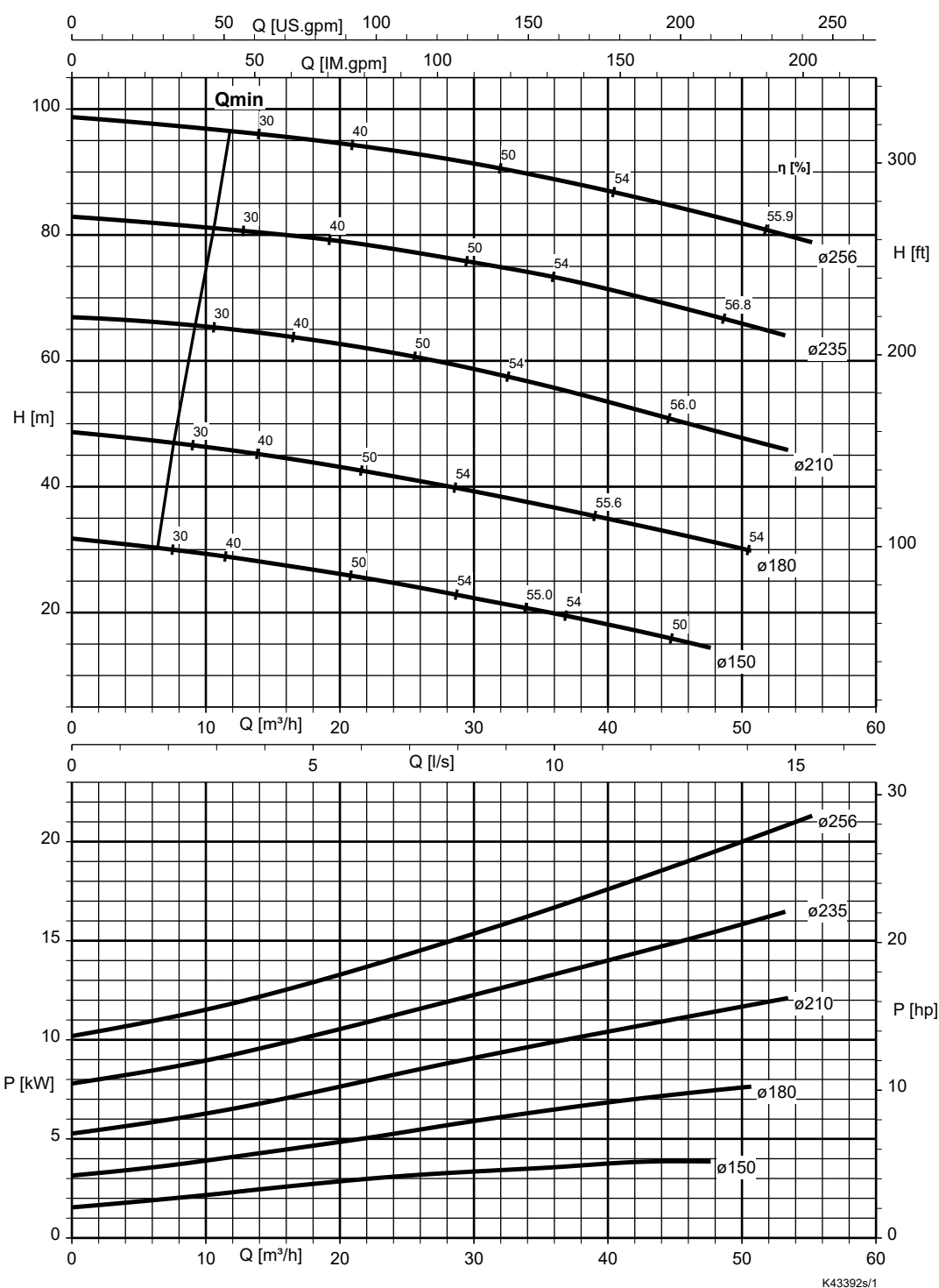
Characteristic curves for K impeller



Fig. 6: K impeller

Amarex KRT K 40-252, n = 2900 rpm

Characteristic curves to ISO 9906 Class 2B, below 10 kW to § 4.4.2. n = nominal speed



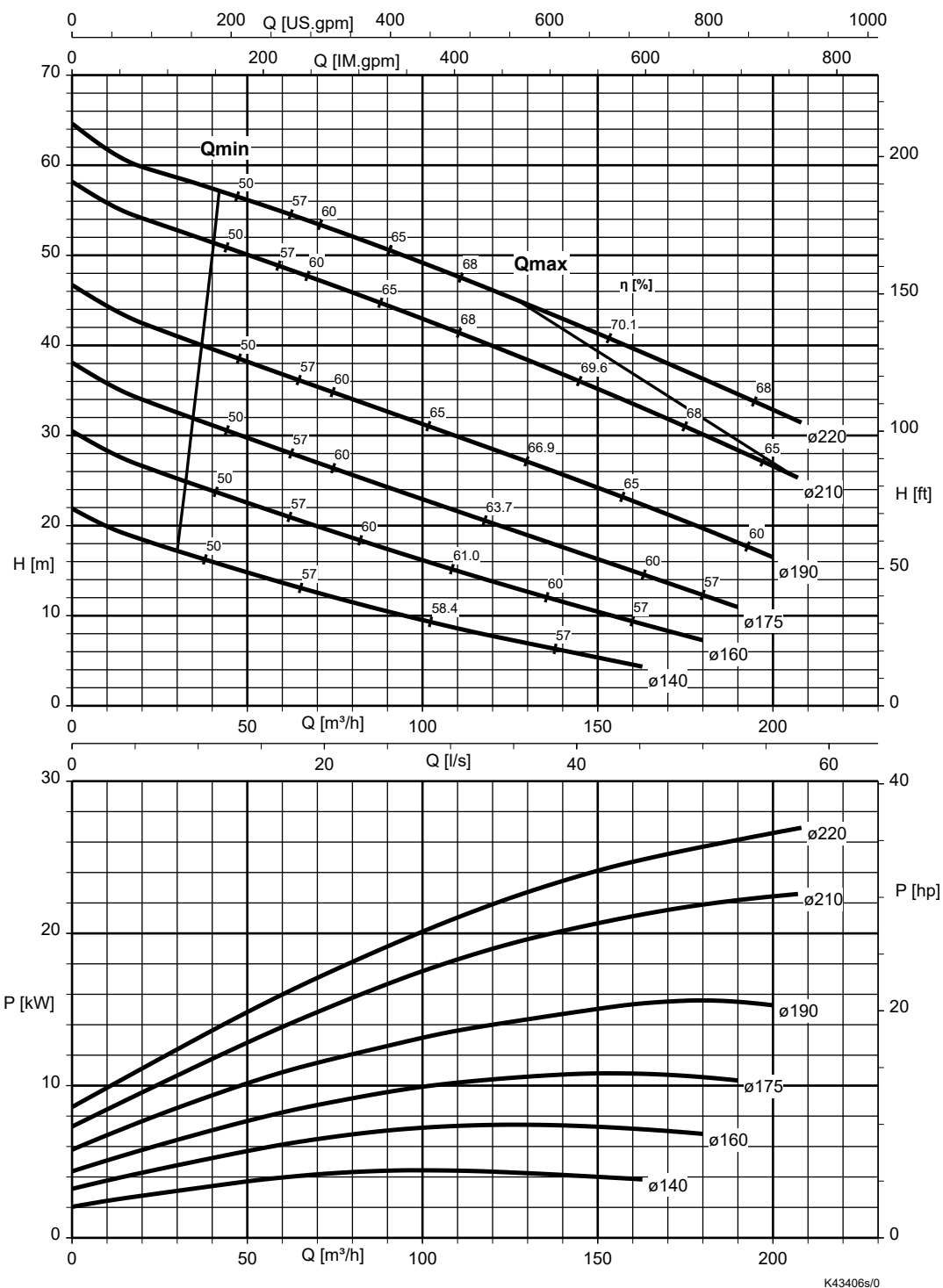
Free passage = 15 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH					C1, C2	
	Installation type					Installation type	
	D	K	H	P	S	P	S
42_E_	-	-	-	X	X	X	X
52_E_	-	-	-	X	X	X	X
72_E_	-	-	-	X	X	X	X
112_E_	-	-	-	X	X	X	X
152_E_	X	X	X	X	X	X	X
182_E_	X	X	X	X	X	X	X
182_F_	X	X	X	-	-	-	-
222_E_	X	X	X	X	X	X	X
222_F_	X	X	X	-	-	-	-
262_E_	-	-	-	X	X	X	X
262_F_	X	X	X	-	-	-	-

Amarex KRT K 80-253, n = 2900 rpm

Characteristic curves to ISO 9906 Class 2B, below 10 kW to § 4.4.2. n = nominal speed



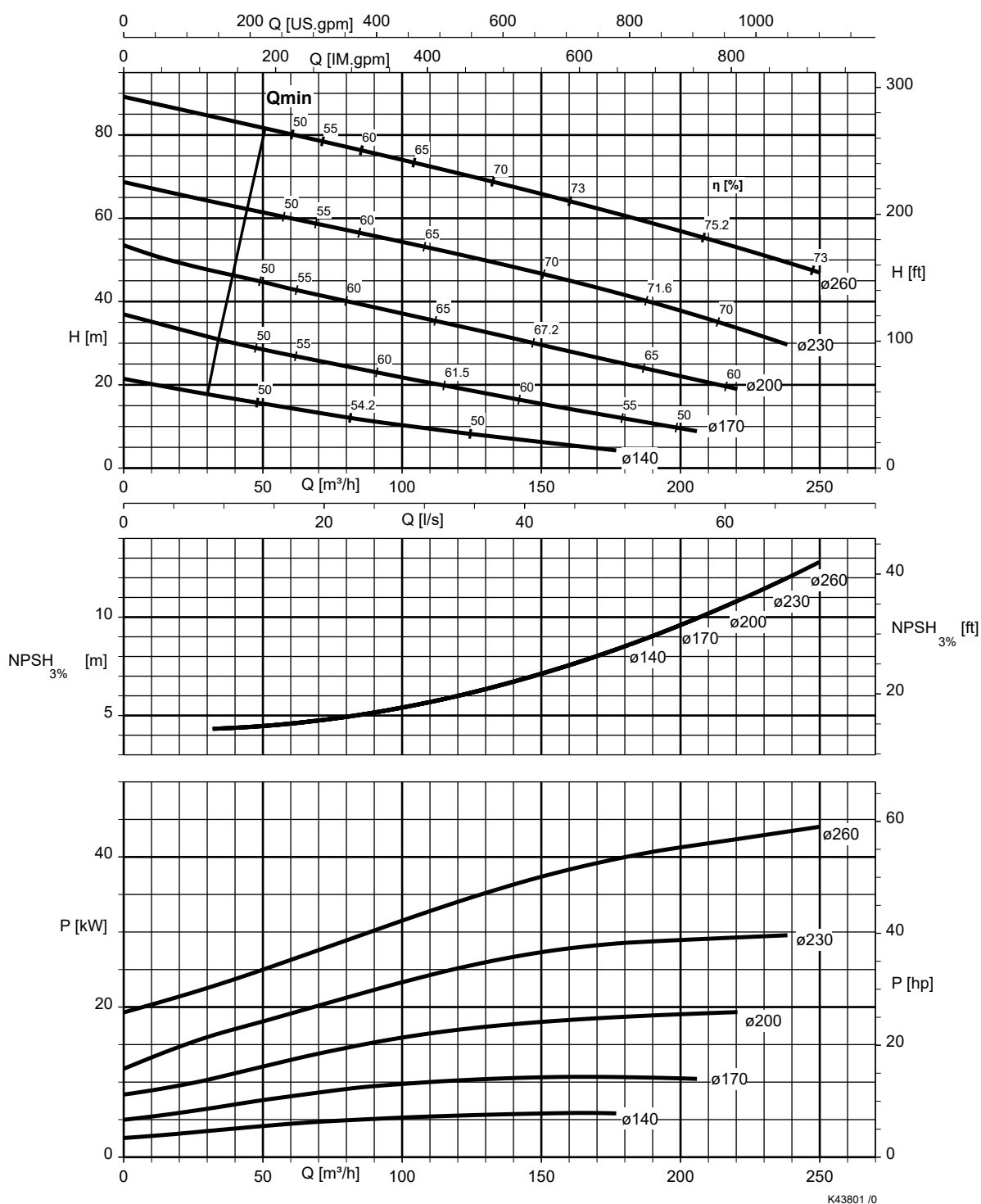
Free passage = 33 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH					C1, C2	
	Installation type					Installation type	
	D	K	H	P	S	P	S
52_E_	-	-	-	-	-	X	X
72_E_	-	-	-	-	-	X	X
112_E_	-	-	-	X	X	X	X
152_E_	X	X	X	X	X	X	X
182_E_	X	X	X	X	X	X	X
182_F_	X	X	X	-	-	-	-
222_E_	X	X	X	X	X	X	X
222_F_	X	X	X	-	-	-	-
262_E_	X	X	X	X	X	X	X
262_F_	X	X	X	-	-	-	-

Amarex KRT K 80-315, n = 2900 rpm

Characteristic curves to ISO 9906 Class 2B, below 10 kW to § 4.4.2. n = nominal speed



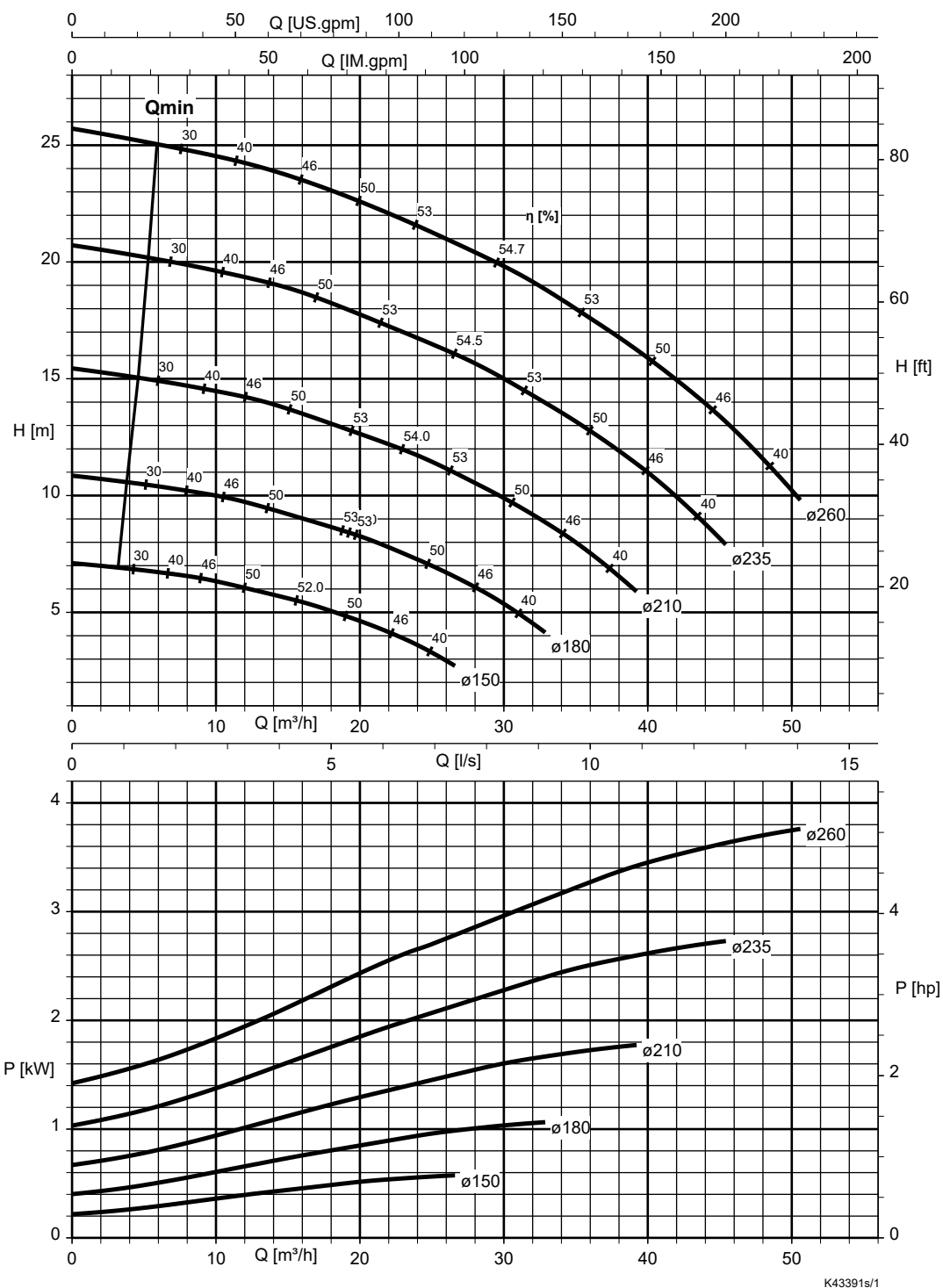
Free passage = 33 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH				
	Installation type				
	D	K	H	P	S
152_E_	X	X	X	X	X
182_E_	X	X	X	X	X
182_F_	X	X	X	-	-
222_E_	X	X	X	X	X
222_F_	X	X	X	-	-
262_E_	X	X	X	X	X
262_F_	X	X	X	-	-
302_E_	-	-	-	X	X
302_F_	X	X	X	-	-
372_E_	-	-	-	X	X
372_F_	X	X	X	-	-
552_E_	-	-	-	X	X
552_F_	X	X	X	-	-
652_E_	-	-	-	X	X
652_F_	X	X	X	-	-
752_F_	X	X	X	-	-

Amarex KRT K 40-252, n = 1450 rpm

Characteristic curves to ISO 9906 Class 2B, below 10 kW to § 4.4.2. n = nominal speed



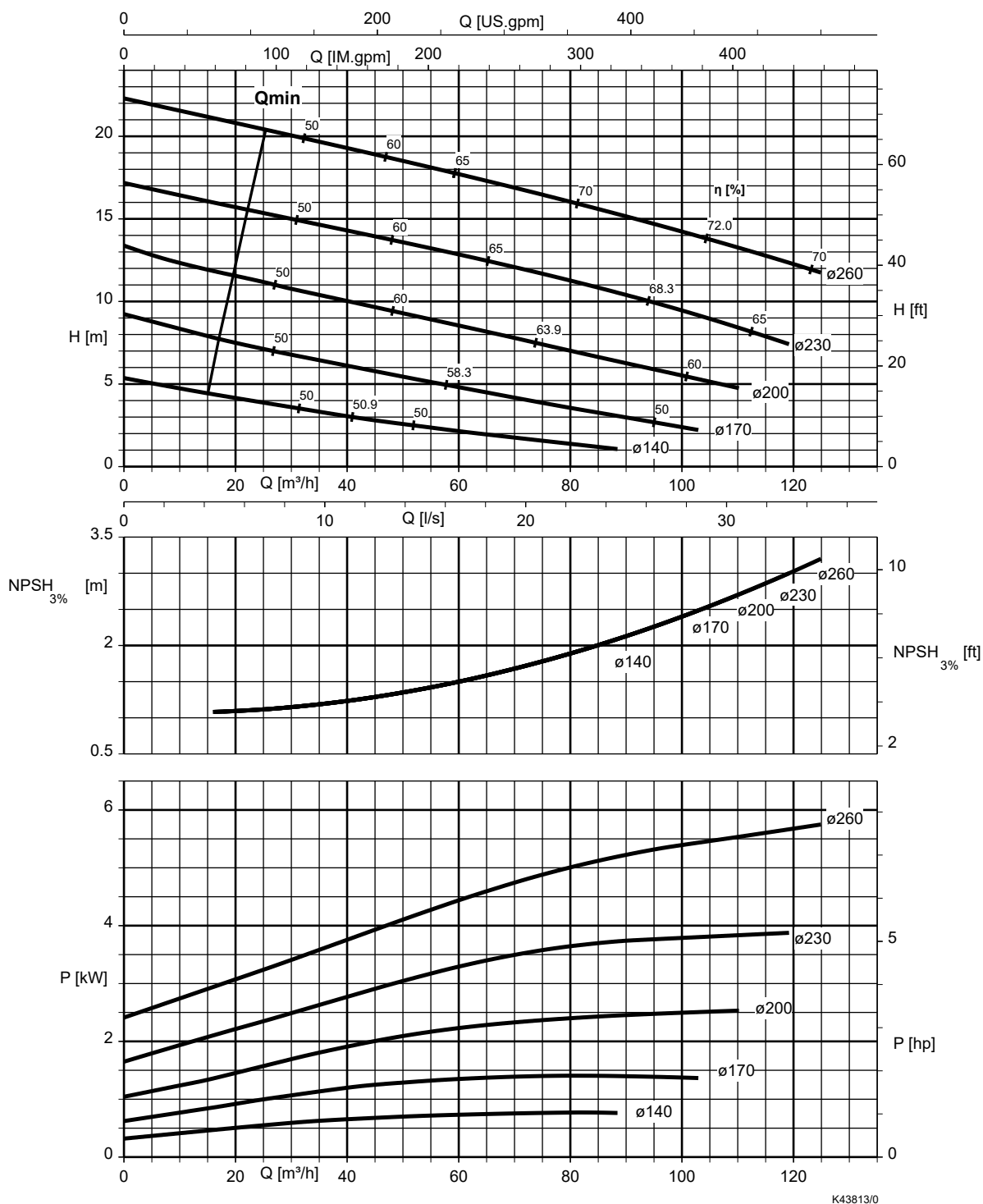
Free passage = 15 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH					C1, C2	
	Installation type					Installation type	
	D	K	H	P	S	P	S
44_E_	-	-	-	X	X	X	X
54_E_	-	-	-	X	X	X	X
74_E_	X	X	X	X	X	X	X
114_E_	X	X	X	X	X	X	X
154_E_	X	X	X	X	X	X	X
154_F_	X	X	X	-	-	-	-

Amarex KRT K 80-315, n = 1450 rpm

Characteristic curves to ISO 9906 Class 2B, below 10 kW to § 4.4.2. n = nominal speed



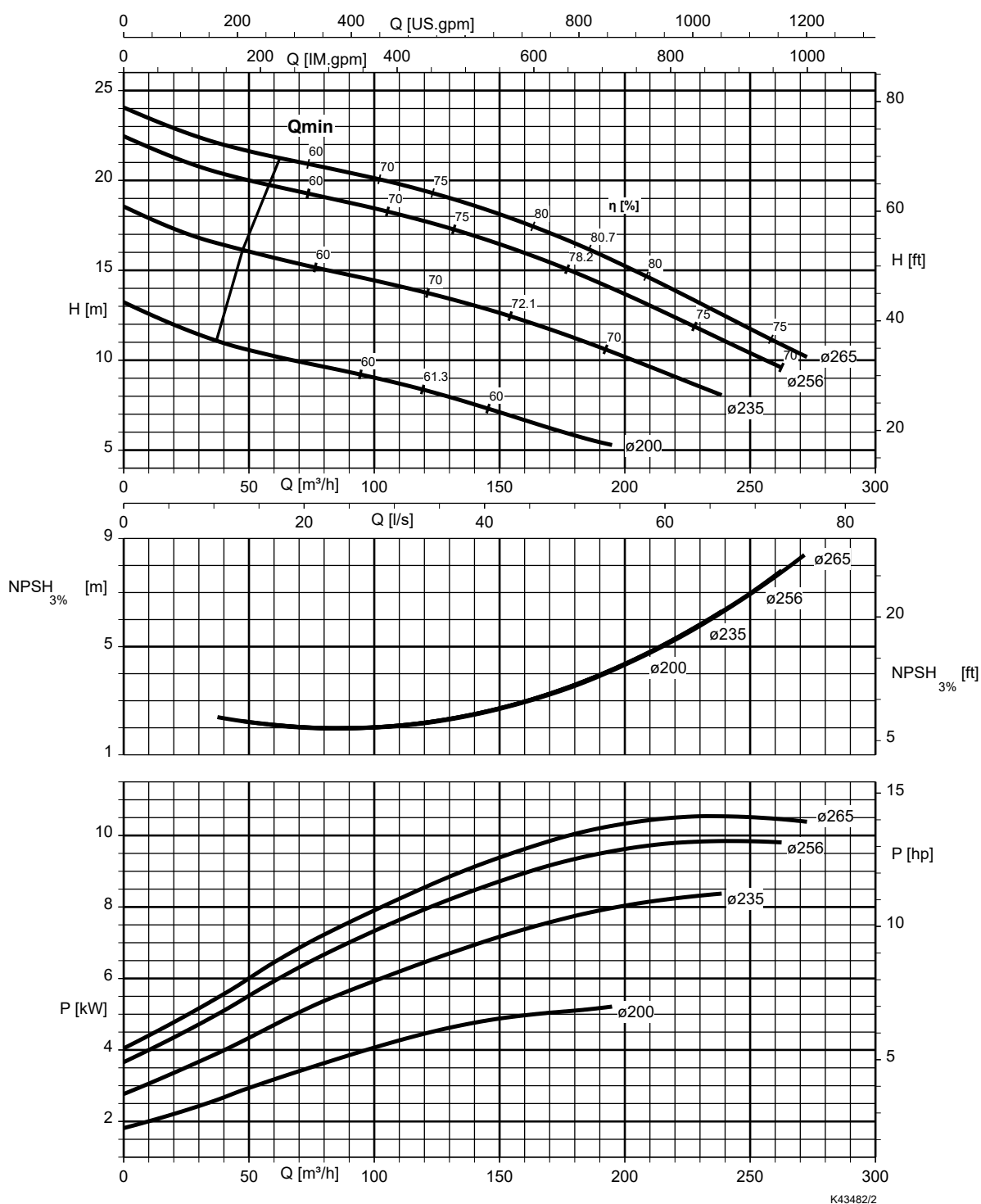
Free passage = 33 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH					C1, C2	
	Installation type					Installation type	
	D	K	H	P	S	P	S
74_E_	X	X	X	X	X	X	X
114_E_	X	X	X	X	X	X	X
154_E_	X	X	X	X	X	-	-
154_F_	X	X	X	-	-	-	-
184_E_	-	-	-	X	X	X	X
184_F_	X	X	X	-	-	-	-
224_E_	X	X	X	X	X	X	X
224_F_	X	X	X	-	-	-	-

Amarex KRT K 100-253, n = 1450 rpm

Characteristic curves to ISO 9906 Class 2B, below 10 kW to § 4.4.2. n = nominal speed



Free passage = 76 mm

Motor depending on material variant and installation type

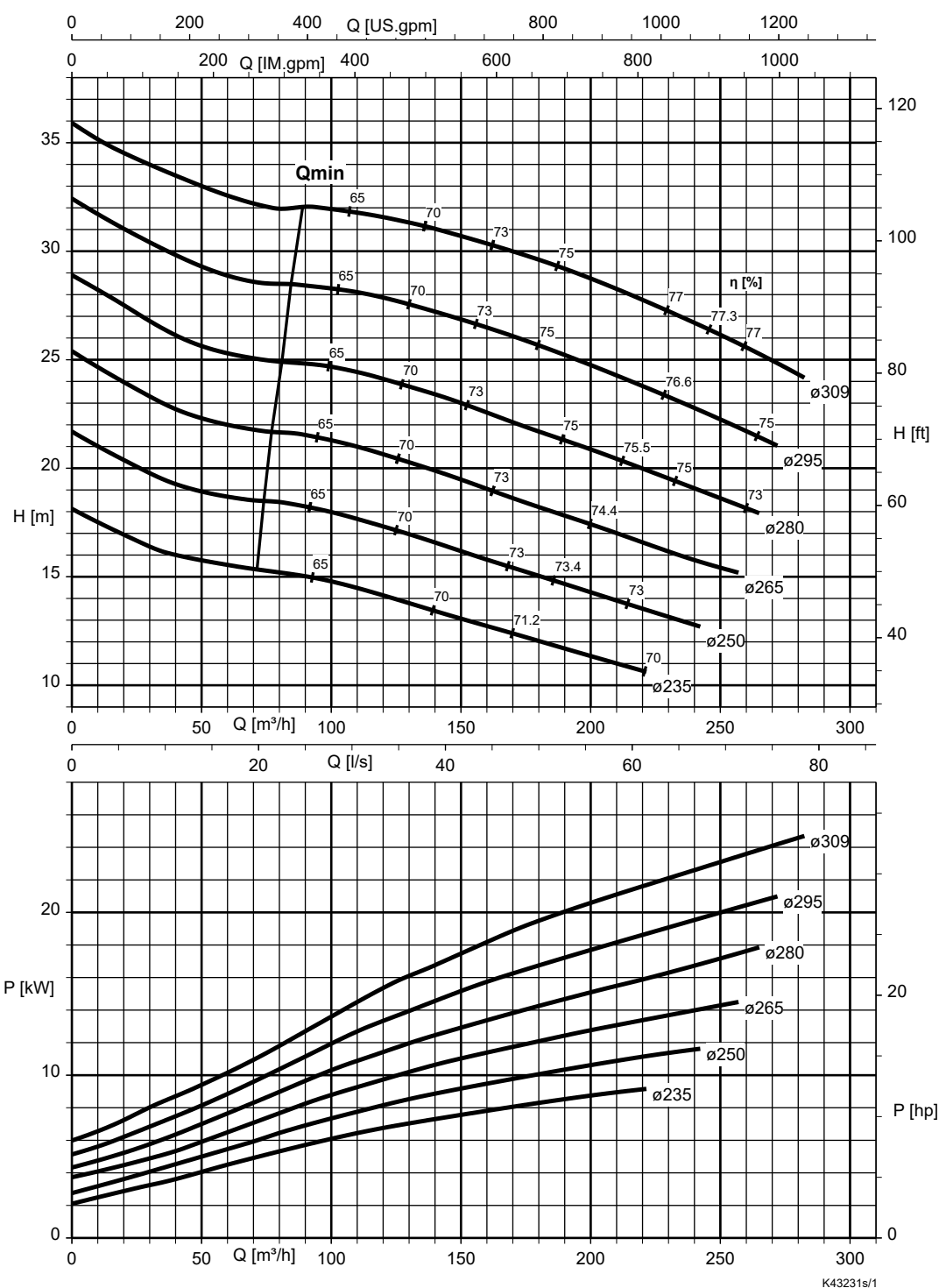
Motor	G, G1, G2, GH					C1, C2	
	Installation type					Installation type	
	D	K	H	P	S	P	S
44_E_	-	-	-	X	X	X	X
54_E_	-	-	-	X	X	X	X
74_E_	-	-	-	X	X	X	X
114_E_	X	X	X	X	X	X	X
154_E_	X	X	X	X	X	X	X
154_F_	X	X	X	-	-	-	-
184_E_	X	X	X	X	X	X	X
184_F_	X	X	X	-	-	-	-
224_E_	X	X	X	X	X	X	X
224_F_	X	X	X	-	-	-	-

Motor depending on material variant and installation type

Motor	G, G1, G2, GH					C1, C2	
	Installation type					Installation type	
	D	K	H	P	S	P	S
54_E_	-	-	-	X	X	X	X
74_E_	-	-	-	X	X	X	X
114_E_	X	X	X	X	X	X	X
154_E_	X	X	X	X	X	X	X
154_F_	X	X	X	-	-	-	-
184_E_	X	X	X	X	X	X	X
184_F_	X	X	X	-	-	-	-
224_E_	X	X	X	X	X	X	X
224_F_	X	X	X	-	-	-	-

Amarex KRT K 100-316, n = 1450 rpm

Characteristic curves to ISO 9906 Class 2B, below 10 kW to § 4.4.2. n = nominal speed



Free passage = 76 mm

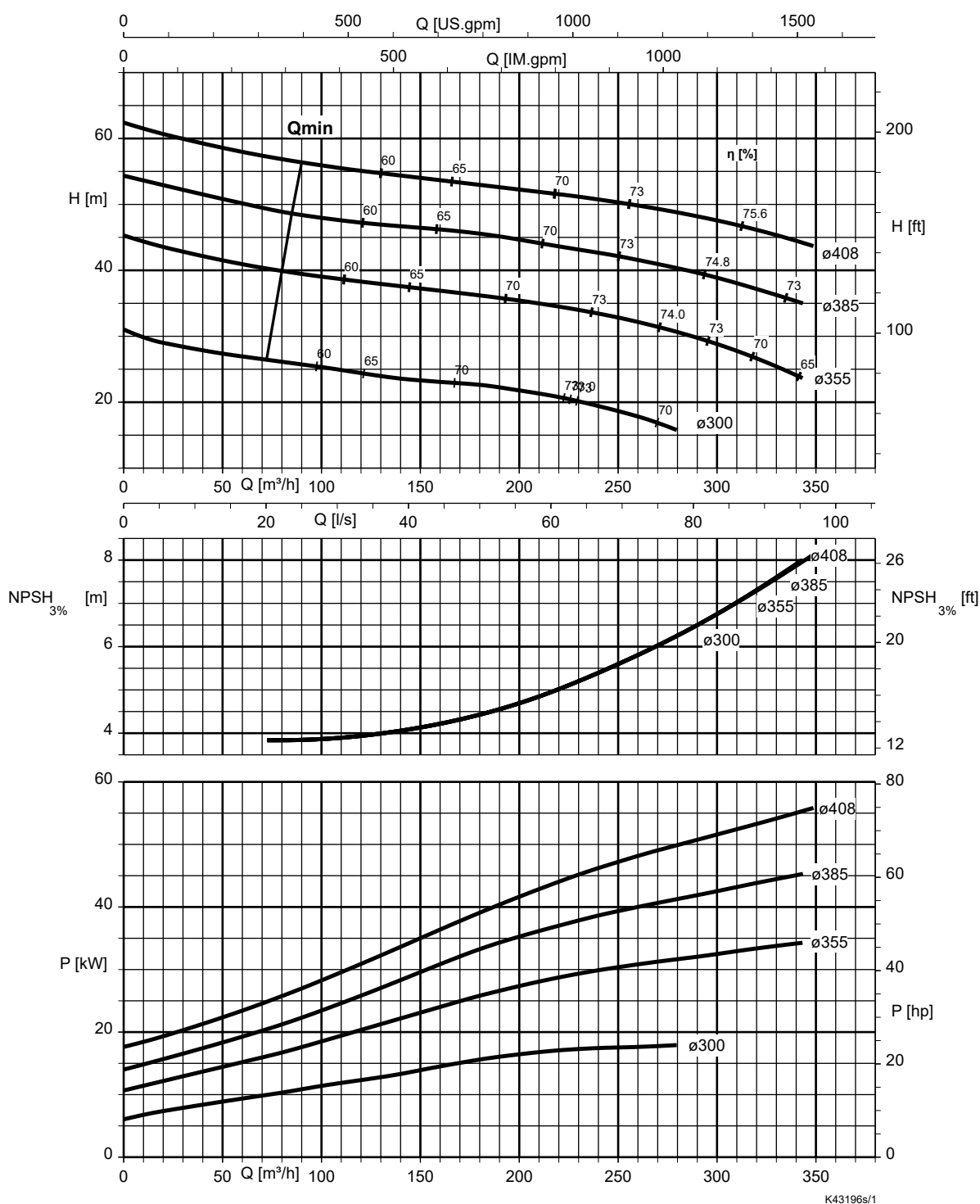
2553.45/19-EN

Motor depending on material variant and installation type

Motor	G, G1, G2, GH					C1, C2	
	Installation type					Installation type	
	D	K	H	P	S	P	S
114_E_	-	-	-	X	X	X	X
154_E_	X	X	X	X	X	X	X
154_F_	X	X	X	-	-	-	-
184_E_	X	X	X	X	X	X	X
184_F_	X	X	X	-	-	-	-
224_E_	X	X	X	X	X	X	X
224_F_	X	X	X	-	-	-	-
304_E_	-	-	-	X	X	X	X
304_F_	X	X	X	-	-	-	-
374_E_	-	-	-	X	X	X	X
374_F_	X	X	X	-	-	-	-
454_E_	-	-	-	X	X	X	X
554_E_	-	-	-	X	X	X	X
554_F_	X	X	X	-	-	-	-
654_F_	X	X	X	-	-	X	X
754_E_	X	X	X	-	-	X	X
754_F_	X	X	X	-	-	-	-

Amarex KRT K 100-400, n = 1450 rpm

Characteristic curves to ISO 9906 Class 2B, below 10 kW to § 4.4.2. n = nominal speed



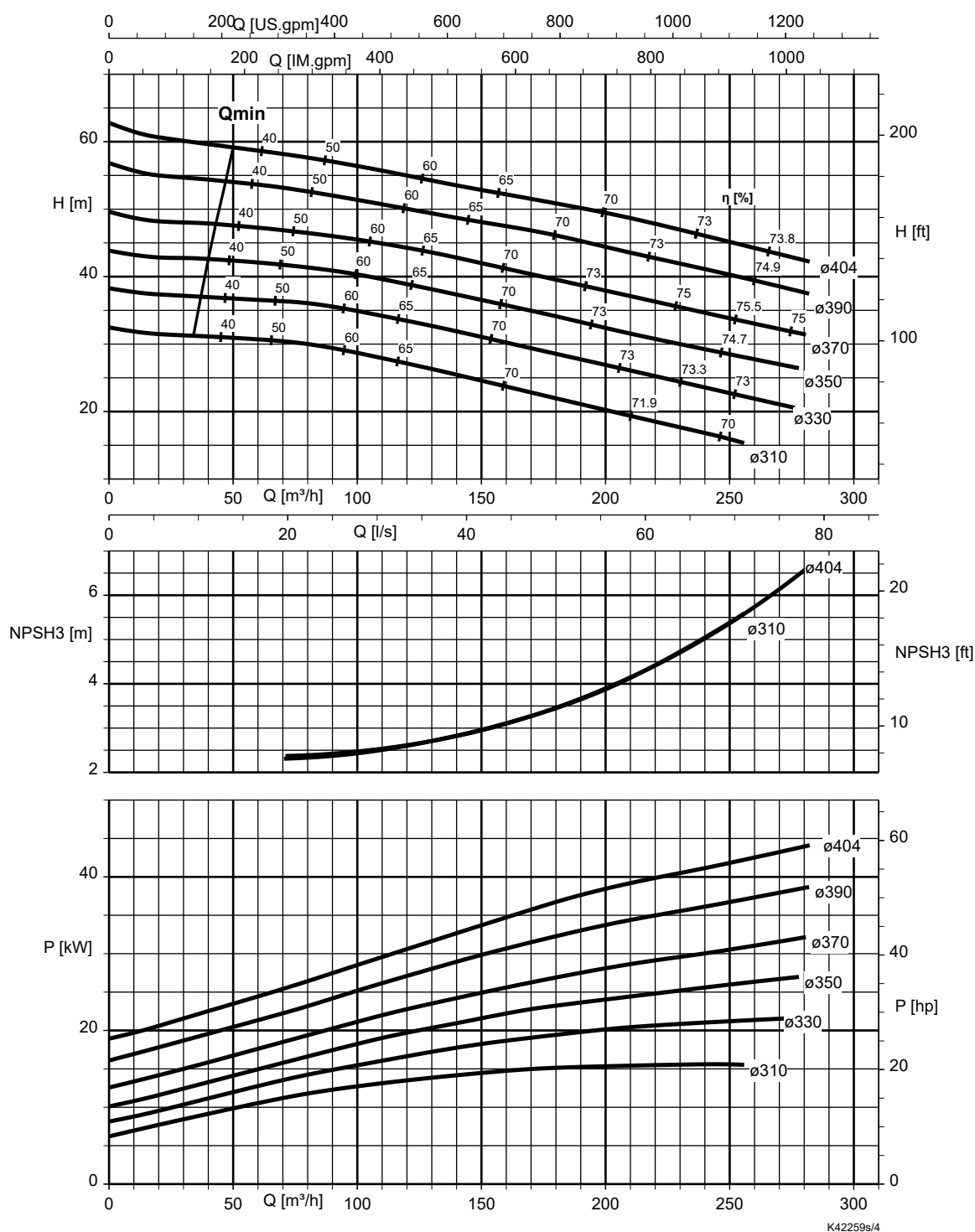
Free passage = 76 mm

Motor depending on material variant and installation type

Motor	G, G1, G2					C1, C2	
	Installation type					Installation type	
	D	K	H	P	S	P	S
304_E_	-	-	-	X	X	X	X
304_F_	X	X	X	-	-	-	-
374_E_	-	-	-	X	X	X	X
374_F_	X	X	X	-	-	-	-
454_E_	-	-	-	X	X	X	X
554_E_	-	-	-	X	X	X	X
554_F_	X	X	X	-	-	-	-
654_E_	-	-	-	X	X	X	X
654_F_	X	X	X	-	-	-	-
754_E_	-	-	-	X	X	X	X
754_F_	X	X	X	-	-	-	-
804_N_	X	X	X	X	X	X	X
954_N_	X	X	X	X	X	X	X

Amarex KRT K 100-401, n = 1450 rpm

Characteristic curves to ISO 9906 Class 2B, below 10 kW to § 4.4.2. n = nominal speed



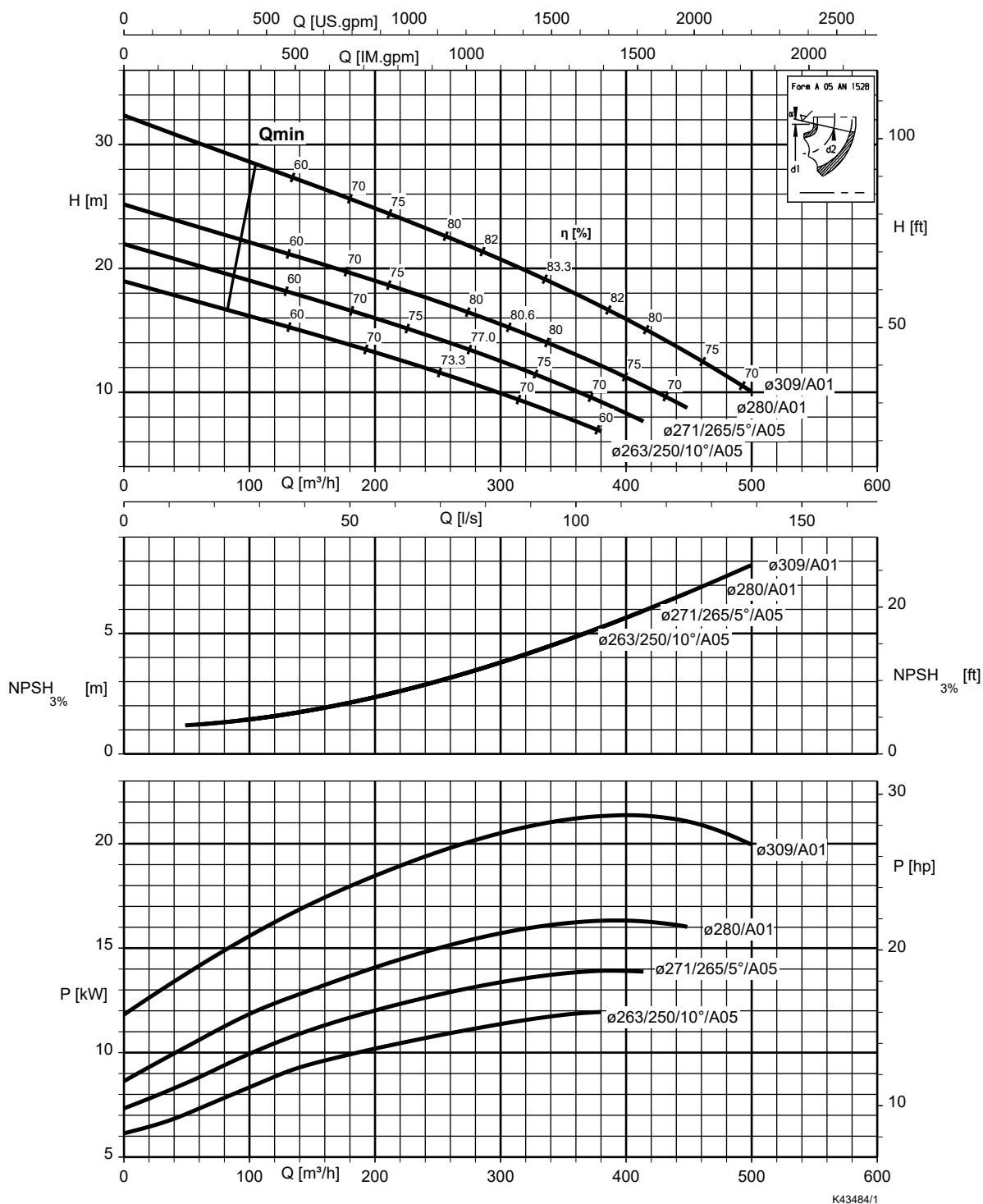
Free passage = 50 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH					C1, C2	
	Installation type					Installation type	
	D	K	H	P	S	P	S
304_E_	-	-	-	X	X	X	X
304_F_	X	X	X	-	-	-	-
374_E_	-	-	-	X	X	X	X
374_F_	X	X	X	-	-	-	-
454_E_	-	-	-	X	X	X	X
554_E_	-	-	-	X	X	X	X
554_F_	X	X	X	-	-	-	-
654_E_	-	-	-	X	X	X	X
654_F_	X	X	X	-	-	-	-
754_E_	-	-	-	X	X	X	X
754_F_	X	X	X	-	-	-	-

Amarex KRT K 150-317, n = 1450 rpm

Characteristic curves to ISO 9906 Class 2B, below 10 kW to § 4.4.2. n = nominal speed



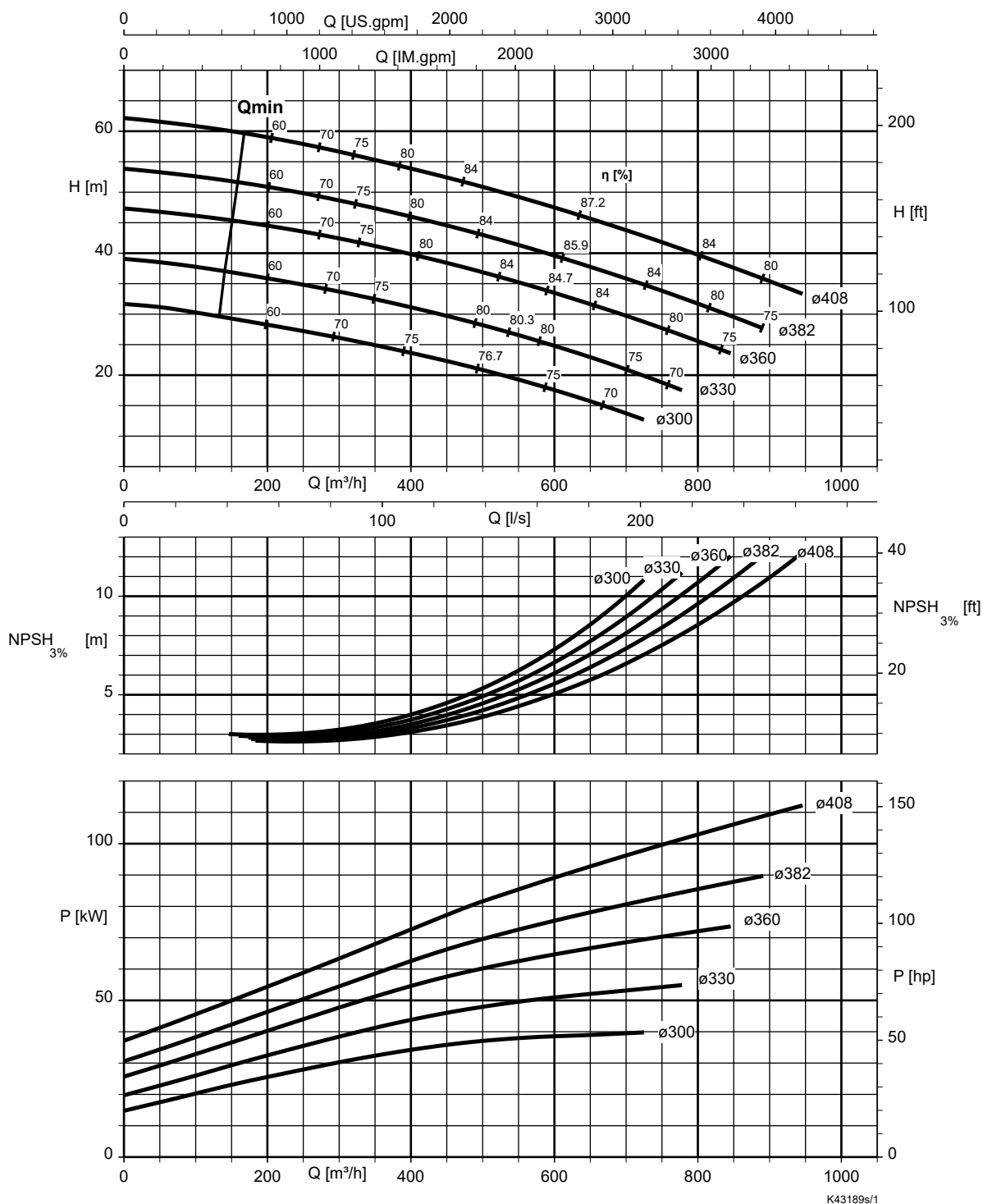
Free passage = 76 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH					C1, C2	
	Installation type					Installation type	
	D	K	H	P	S	P	S
114_E_	-	-	-	X	X	X	X
154_E_	-	-	-	X	X	X	X
154_F_	X	X	X	-	-	-	-
184_E_	-	-	-	X	X	X	X
184_F_	X	X	X	-	-	-	-
224_E_	-	-	-	X	X	X	X
224_F_	X	X	X	-	-	-	-
304_E_	-	-	-	X	X	X	X
304_F_	X	X	X	-	-	-	-
374_E_	-	-	-	X	X	X	X
374_F_	X	X	X	-	-	-	-
454_E_	-	-	-	X	X	X	X
554_E_	-	-	-	X	X	X	X
554_F_	X	X	X	-	-	-	-
654_E_	-	-	-	X	X	X	X
654_F_	X	X	X	-	-	-	-
754_E_	-	-	-	X	X	X	X

Amarex KRT K 150-400, n = 1450 rpm

Characteristic curves to ISO 9906 Class 2B, below 10 kW to § 4.4.2. n = nominal speed



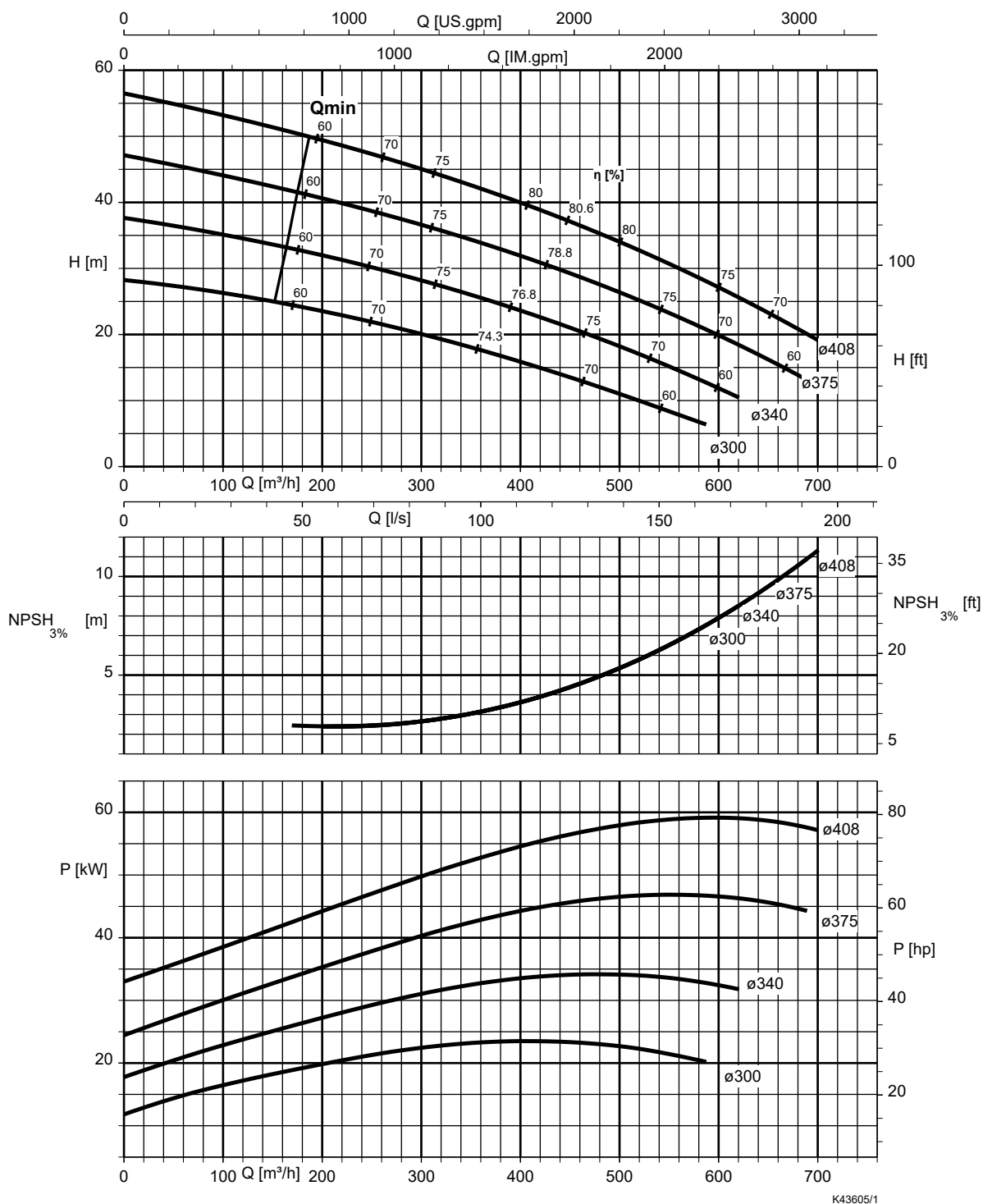
Free passage = 76 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH					C1, C2	
	Installation type					Installation type	
	D	K	H	P	S	P	S
304_E_	-	-	-	X	X	X	X
304_F_	X	X	X	-	-	-	-
374_E_	-	-	-	X	X	X	X
374_F_	X	X	X	-	-	-	-
454_E_	-	-	-	X	X	X	X
554_E_	-	-	-	X	X	X	X
554_F_	X	X	X	-	-	-	-
654_E_	-	-	-	X	X	X	X
654_F_	X	X	X	-	-	-	-
754_E_	-	-	-	X	X	X	X
754_F_	X	X	X	-	-	-	-
804_N_	X	X	-	X	X	-	X
954_N_	X	X	-	X	X	-	X
1104_N_	X	X	-	X	X	-	X
1304_N_	X	X	-	X	X	-	X
1554_N_	X	X	-	X	X	-	X

Amarex KRT K 150-403, n = 1450 rpm

Characteristic curves to ISO 9906 Class 2B, below 10 kW to § 4.4.2. n = nominal speed



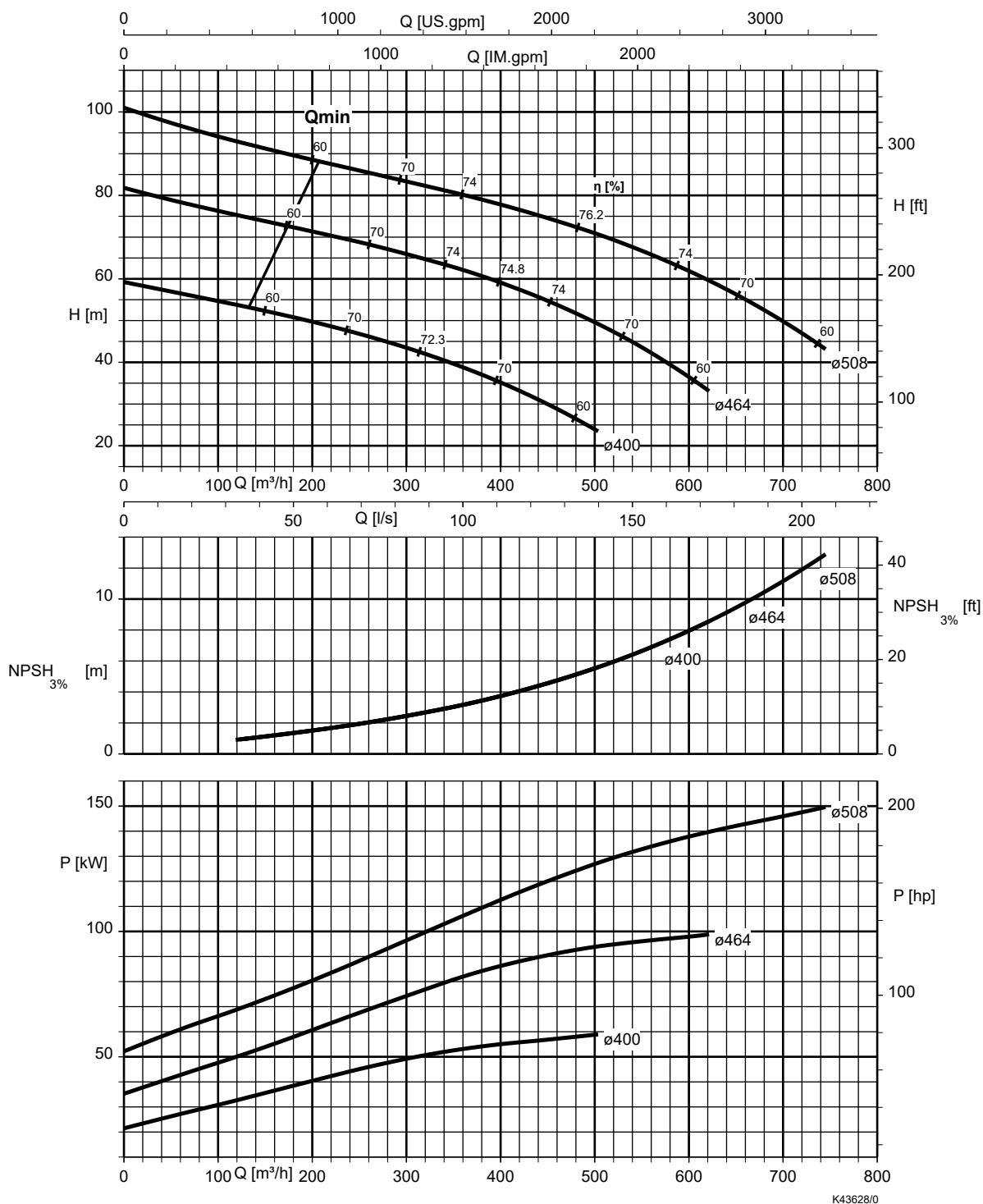
Free passage = 76 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH					C1, C2	
	Installation type					Installation type	
	D	K	H	P	S	P	S
304_E_	-	-	-	X	X	X	X
304_F_	X	X	X	-	-	-	-
374_E_	-	-	-	X	X	X	X
374_F_	X	X	X	-	-	-	-
454_E_	-	-	-	X	X	X	X
554_E_	-	-	-	X	X	X	X
554_F_	X	X	X	-	-	-	-
654_E_	-	-	-	X	X	X	X
654_F_	X	X	X	-	-	-	-
754_E_	-	-	-	X	X	X	X
754_F_	X	X	X	-	-	-	-
804_N_	X	X	-	-	X	-	X
954_N_	X	X	-	-	X	-	X
1104_N_	X	X	-	-	X	-	X
1304_N_	X	X	-	-	X	-	X
1554_N_	X	X	-	-	X	-	X
1754_N_	X	X	-	-	X	-	X

Amarex KRT K 150-503, n = 1450 rpm

Characteristic curves to ISO 9906 Class 2B, below 10 kW to § 4.4.2. n = nominal speed



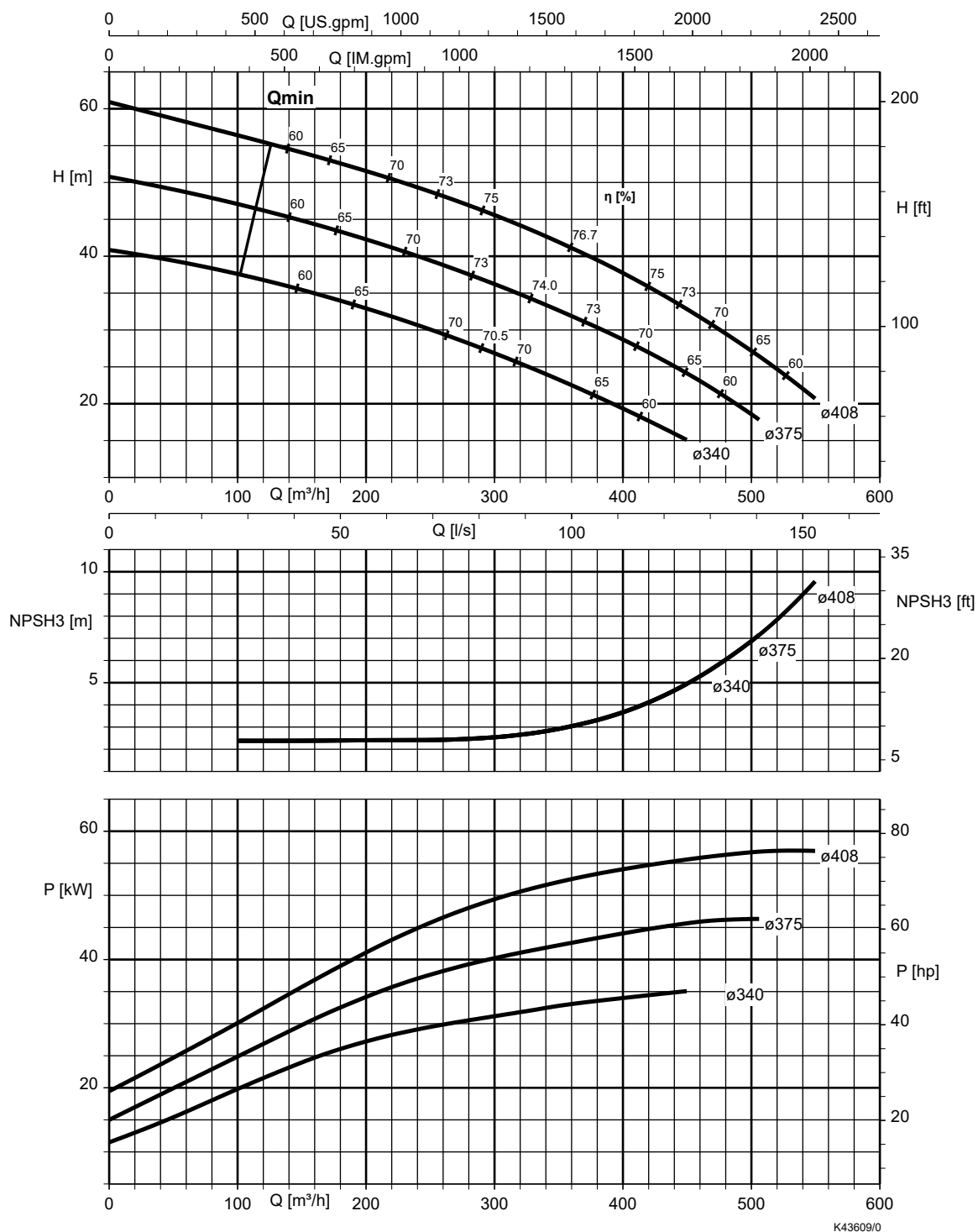
Free passage = 76 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH					C1, C2	
	Installation type					Installation type	
	D	K	H	P	S	P	S
804_N_	X	X	-	-	X	-	X
954_N_	X	X	-	-	X	-	X
1104_N_	X	X	-	-	X	-	X
1304_N_	X	X	-	-	X	-	X
1554_N_	X	X	-	-	X	-	X
1754_N_	-	-	-	-	X	-	X

Amarex KRT K 151-403, n = 1450 rpm

Characteristic curves to ISO 9906 Class 2B, below 10 kW to § 4.4.2. n = nominal speed



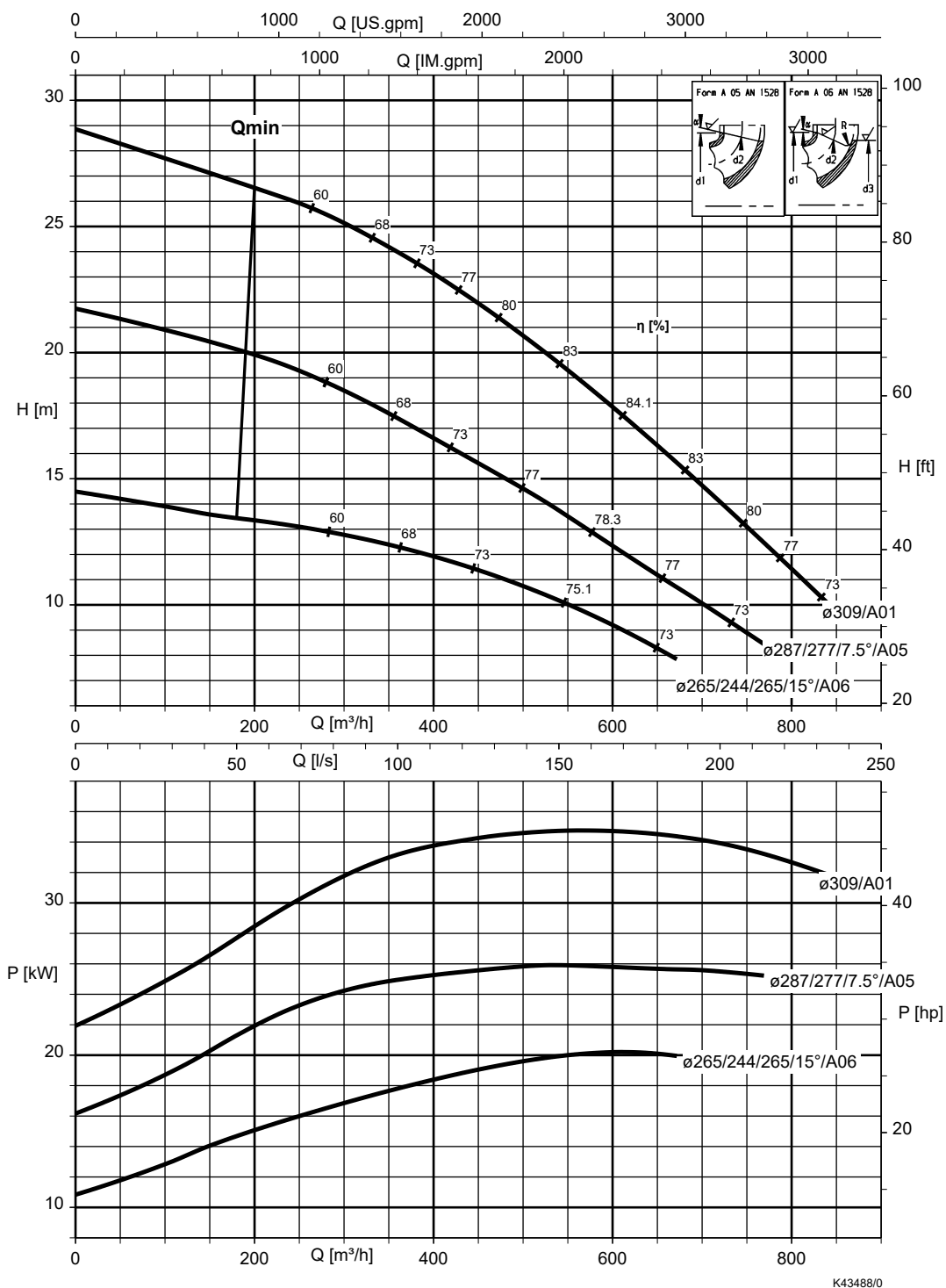
Free passage = 76 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH					C1, C2	
	Installation type					Installation type	
	D	K	H	P	S	P	S
304_E_	-	-	-	X	X	X	X
304_F_	X	X	X	-	-	-	-
374_E_	-	-	-	X	X	X	X
374_F_	X	X	X	-	-	-	-
454_E_	-	-	-	X	X	X	X
554_E_	-	-	-	X	X	X	X
554_F_	X	X	X	-	-	-	-
654_E_	-	-	-	X	X	X	X
654_F_	X	X	X	-	-	-	-
754_E_	-	-	-	X	X	X	X
754_F_	X	X	X	-	-	-	-
804_N_	X	X	-	-	X	-	X
954_N_	X	X	-	-	X	-	X
1104_N_	X	X	-	-	X	-	X
1304_N_	X	X	-	-	X	-	X
1554_N_	X	X	-	-	X	-	X
1754_N_	X	X	-	-	X	-	X

Amarex KRT K 200-317, n = 1450 rpm

Characteristic curves to ISO 9906 Class 2B, below 10 kW to § 4.4.2. n = nominal speed



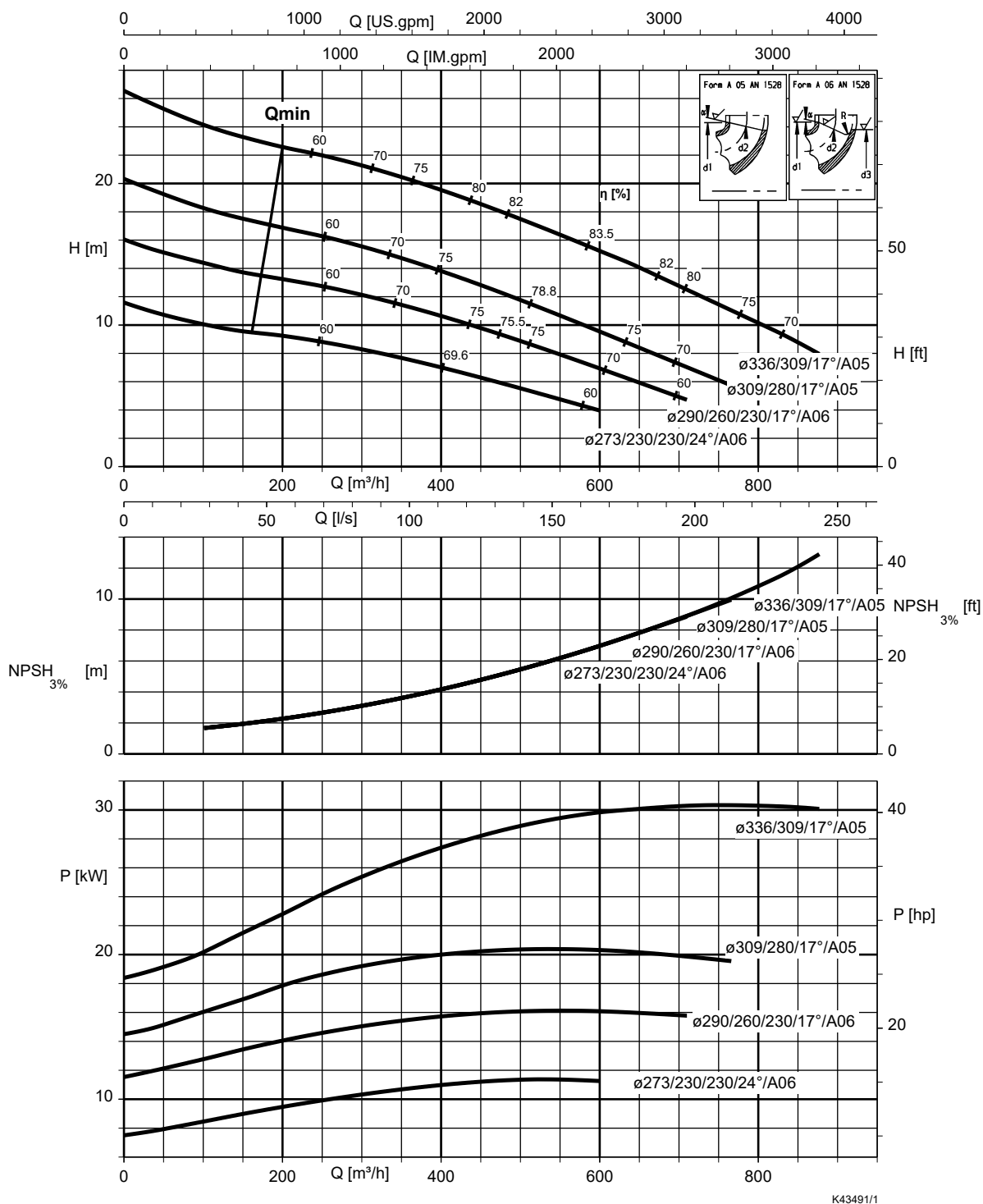
Free passage = 76 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH				
	Installation type				
	D	K	H	P	S
154_E_	-	-	-	X	X
154_F_	X	X	X	-	-
184_E_	-	-	-	X	X
184_F_	X	X	X	-	-
224_E_	-	-	-	X	X
224_F_	X	X	X	-	-
304_E_	-	-	-	X	X
304_F_	X	X	X	-	-
374_E_	-	-	-	X	X
374_F_	X	X	X	-	-
454_E_	-	-	-	X	X
554_E_	-	-	-	X	X
554_F_	X	X	X	-	-
654_E_	-	-	-	X	X
654_F_	X	X	X	-	-
754_E_	-	-	-	X	X
754_F_	X	X	X	-	-

Amarex KRT K 200-318, n = 1450 rpm

Characteristic curves to ISO 9906 Class 2B, below 10 kW to § 4.4.2. n = nominal speed



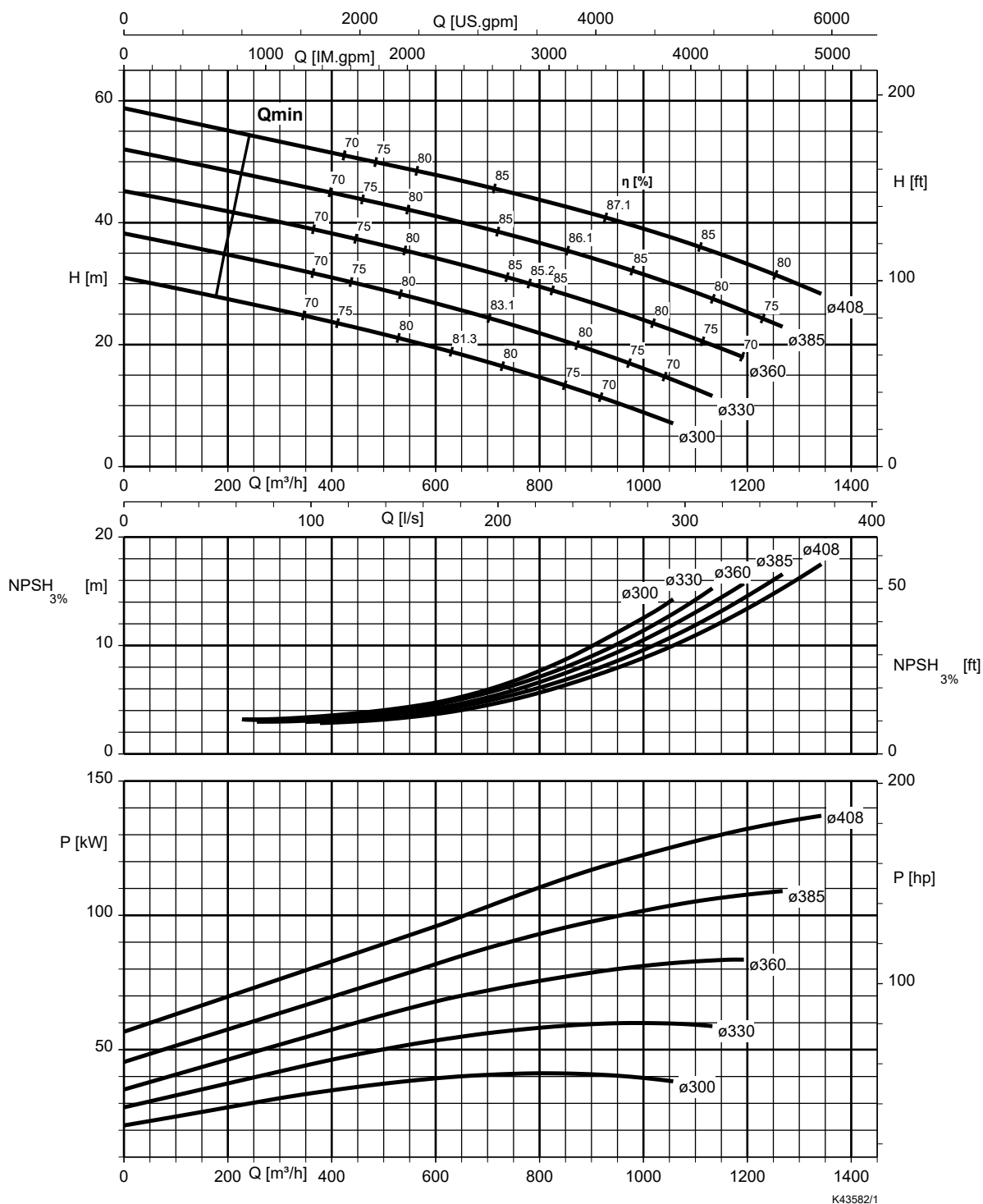
Free passage = 100 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH				
	Installation type				
	D	K	H	P	S
154_E_	X	X	X	X	X
154_F_	X	X	X	-	-
184_E_	X	X	X	X	X
184_F_	X	X	X	-	-
224_E_	X	X	X	X	X
224_F_	X	X	X	-	-
304_E_	-	-	-	X	X
304_F_	X	X	X	-	-
374_E_	-	-	-	X	X
374_F_	X	X	X	-	-
554_F_	X	X	X	-	-
654_F_	X	X	X	-	-
754_F_	X	X	X	-	-

Amarex KRT K 200-402, n = 1450 rpm

Characteristic curves to ISO 9906 Class 2B, below 10 kW to § 4.4.2. n = nominal speed



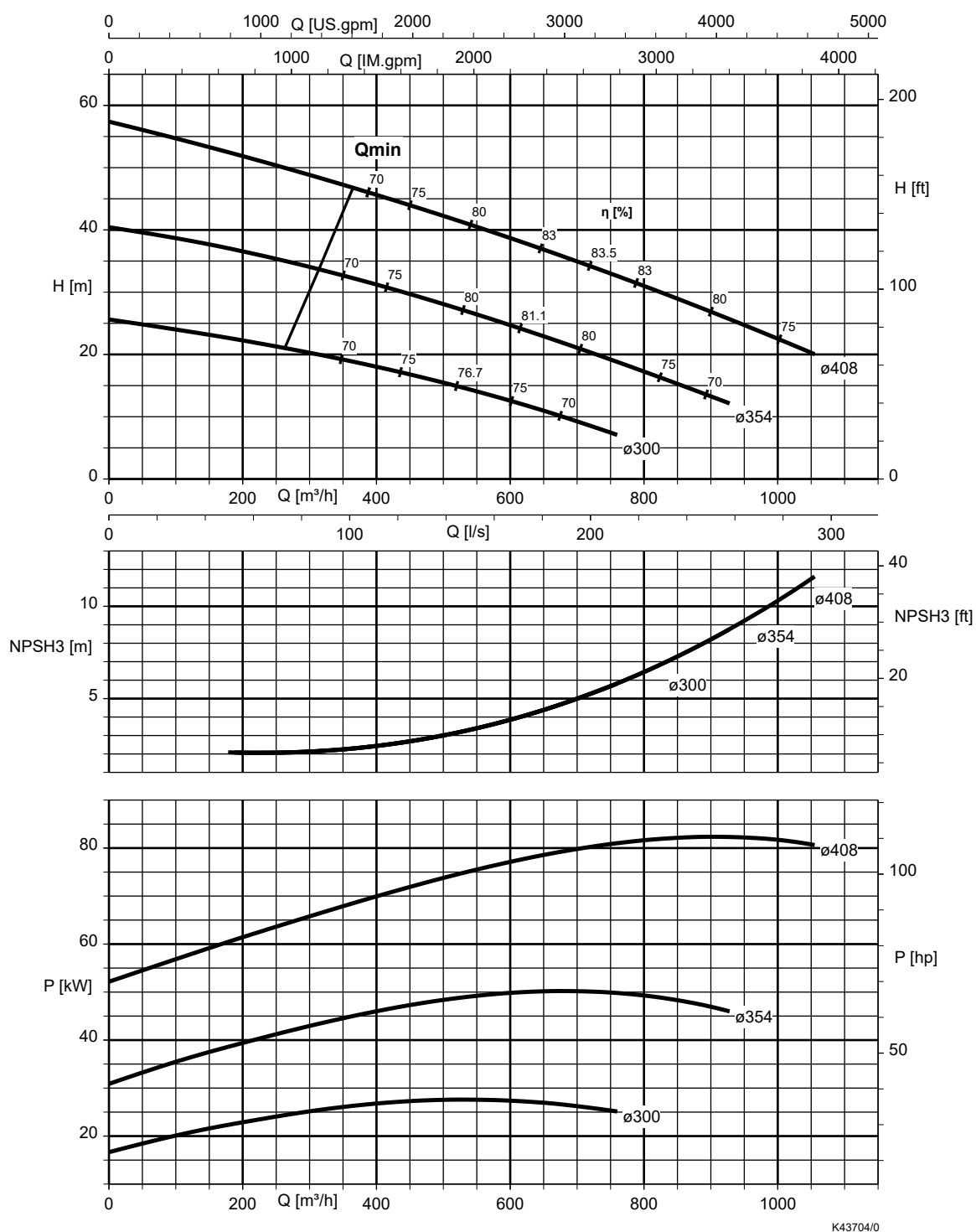
Free passage = 80 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH					C1, C2	
	Installation type					Installation type	
	D	K	H	P	S	P	S
454_E_	-	-	-	X	X	X	X
554_E_	-	-	-	X	X	X	X
554_F_	X	X	X	-	-	-	-
654_E_	-	-	-	X	X	X	X
654_F_	X	X	X	-	-	-	-
754_E_	-	-	-	X	X	X	X
754_F_	X	X	X	-	-	-	-
804_N_	X	X	-	X	X	-	X
954_N_	X	X	-	X	X	-	X
1104_N_	X	X	-	X	X	-	X
1304_N_	X	X	-	X	X	-	X
1554_N_	X	X	-	X	X	-	X
1754_N_	X	X	-	X	X	-	X

Amarex KRT K 200-403, n = 1450 rpm

Characteristic curves to ISO 9906 Class 2B, below 10 kW to § 4.4.2. n = nominal speed



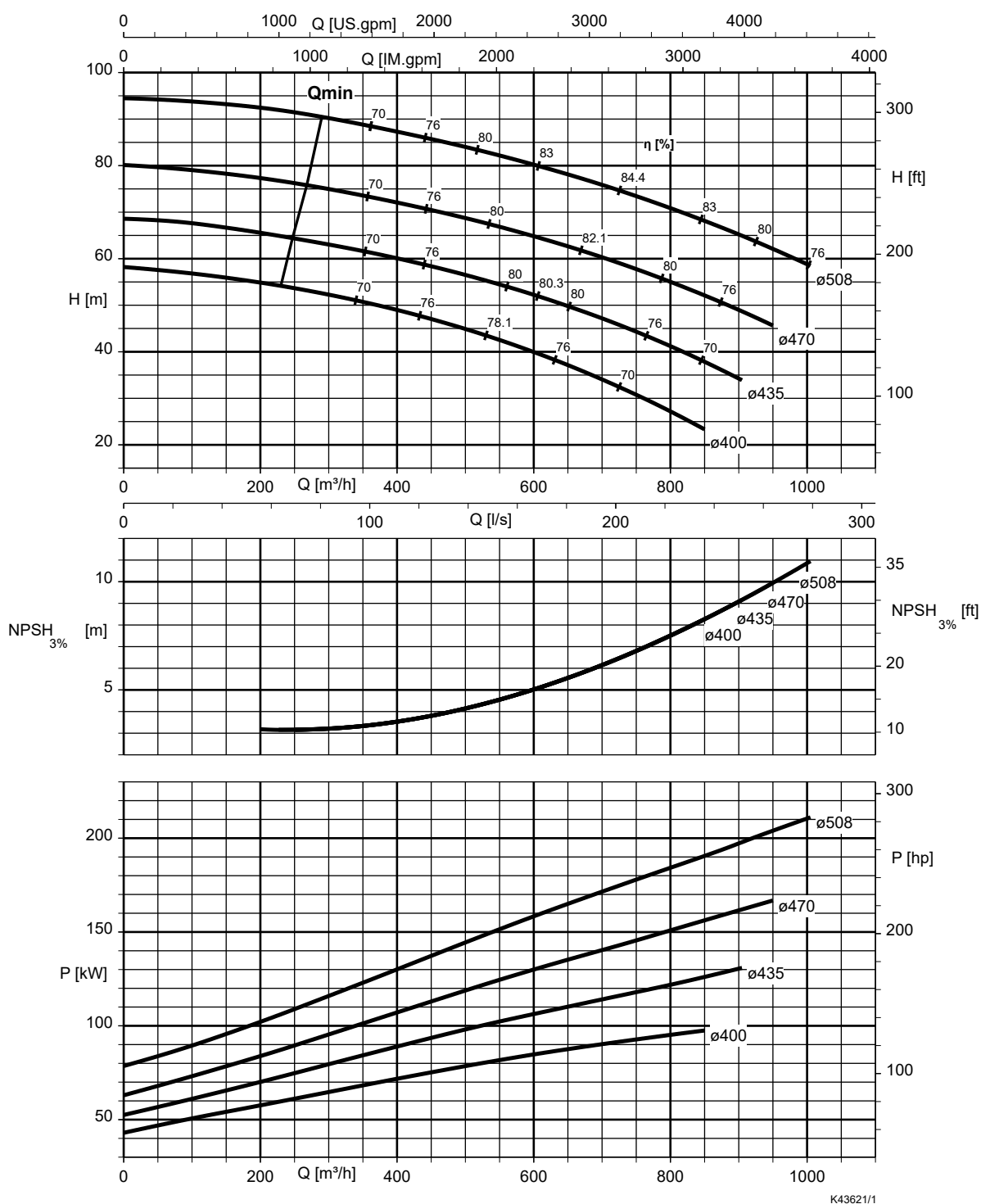
Free passage = 90 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH					C1, C2	
	Installation type					Installation type	
	D	K	H	P	S	P	S
304_E_	-	-	-	X	X	X	X
304_F_	X	X	X	-	-	-	-
374_E_	-	-	-	X	X	X	X
374_F_	X	X	X	-	-	-	-
454_E_	-	-	-	X	X	X	X
554_E_	-	-	-	X	X	X	X
554_F_	X	X	X	-	-	-	-
654_E_	-	-	-	X	X	X	X
654_F_	X	X	X	-	-	-	-
754_E_	-	-	-	X	X	X	X
754_F_	X	X	X	-	-	-	-
804_N_	X	X	-	-	X	-	X
954_N_	X	X	-	-	X	-	X
1104_N_	X	X	-	-	X	-	X
1304_N_	X	X	-	-	X	-	X
1554_N_	X	X	-	-	X	-	X
1754_N_	X	X	-	-	X	-	X

Amarex KRT K 200-502, n = 1450 rpm

Characteristic curves to ISO 9906 Class 2B, below 10 kW to § 4.4.2. n = nominal speed



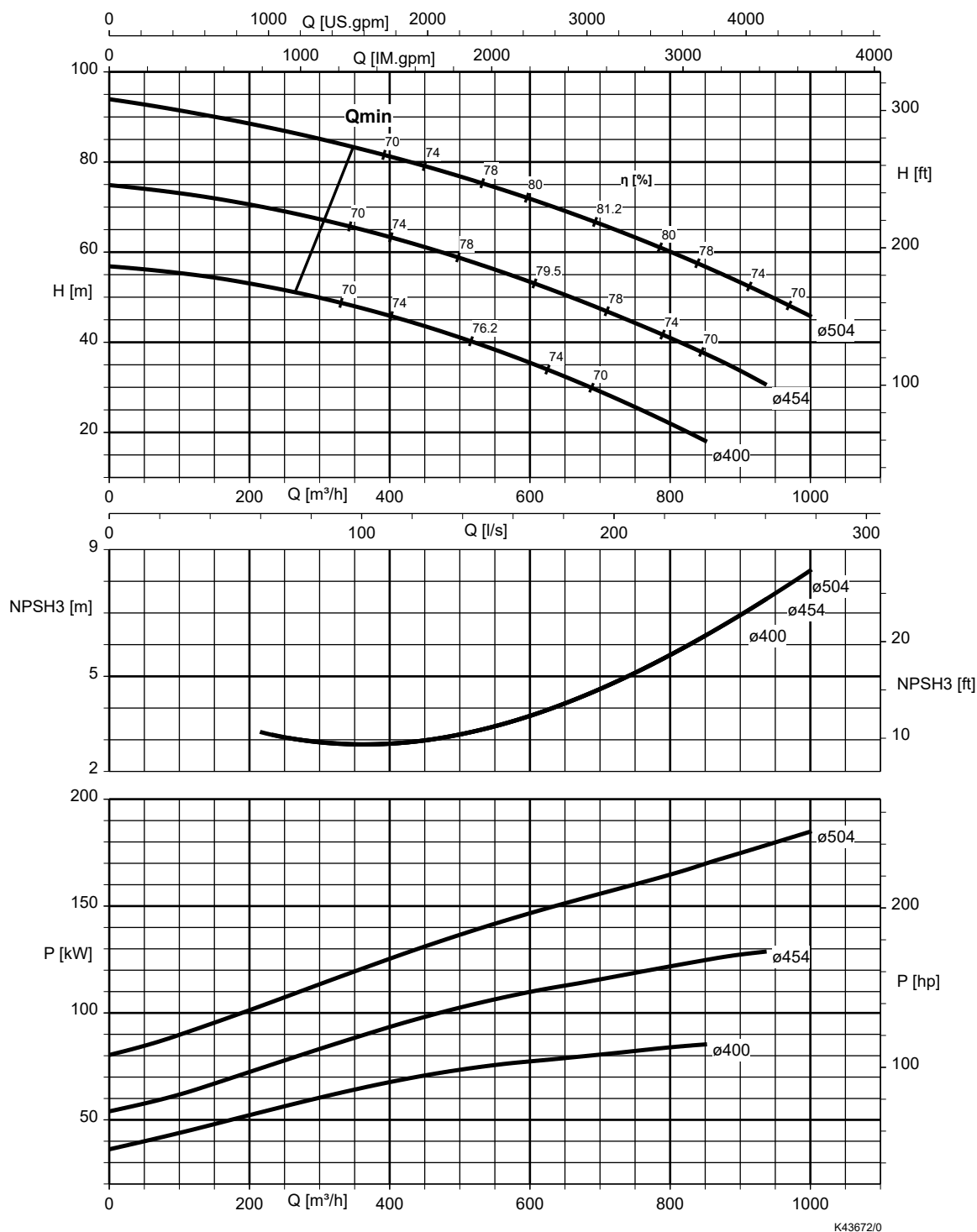
Free passage = 76 mm

Motor depending on material variant and installation type

Motor	G, G1, G2					C1, C2	
	Installation type					Installation type	
	D	K	H	P	S	P	S
954_N_	X	X	-	-	X	-	X
1104_N_	X	X	-	-	X	-	X
1304_N_	X	X	-	-	X	-	X
1554_N_	X	X	-	-	X	-	X
1754_N_	X	X	-	-	X	-	X
2004_N_	X	X	-	-	X	-	X
2504_N_	X	X	-	-	X	-	X
3004_N_	X	X	-	-	X	-	X
3504_N_	X	X	-	-	X	-	X

Amarex KRT K 200-503, n = 1450 rpm

Characteristic curves to ISO 9906 Class 2B, below 10 kW to § 4.4.2. n = nominal speed



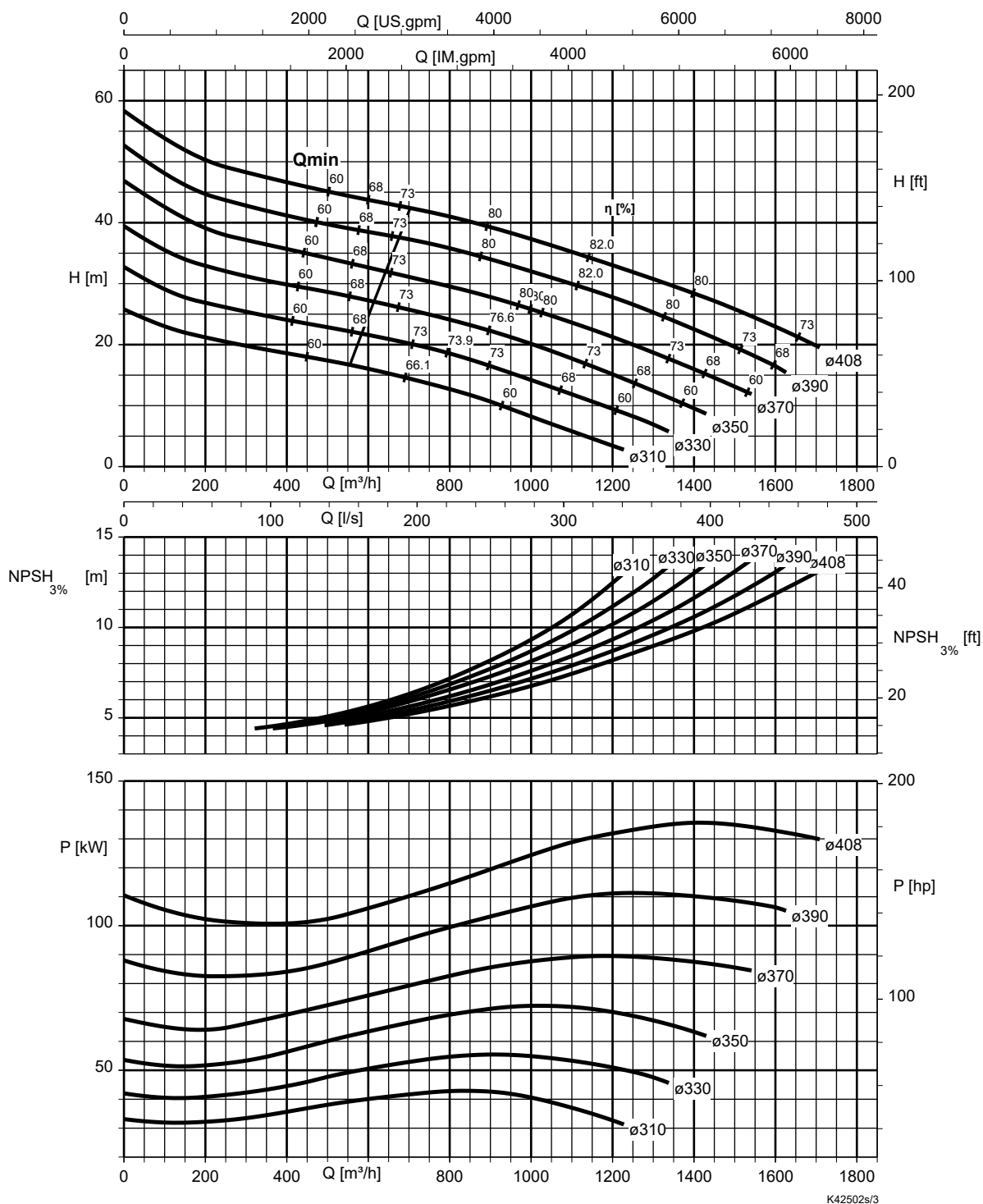
Free passage = 90 mm

Motor depending on material variant and installation type

Motor	G, G1, G2				
	Installation type				
	D	K	H	P	S
804_N_	X	X	-	-	X
954_N_	X	X	-	-	X
1104_N_	X	X	-	-	X
1304_N_	X	X	-	-	X
1554_N_	X	X	-	-	X
1754_N_	X	X	-	-	X
2004_N_	X	X	-	-	X
2504_N_	X	X	-	-	X
3004_N_	X	X	-	-	X
3504_N_	X	X	-	-	X

Amarex KRT K 250-401, n = 1450 rpm

Characteristic curves to ISO 9906 Class 2B, below 10 kW to § 4.4.2. n = nominal speed



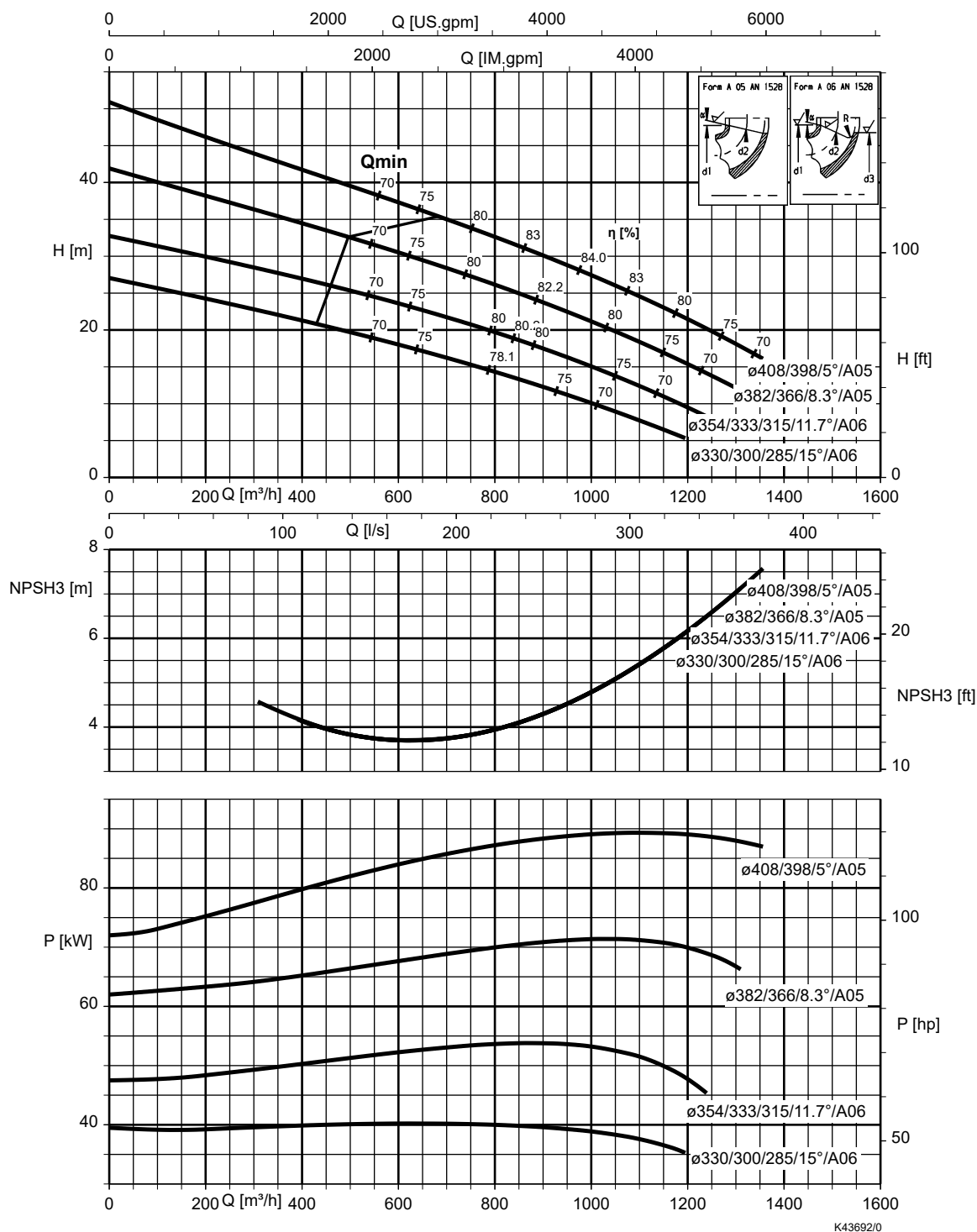
Free passage = 105 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH					C1, C2	
	Installation type					Installation type	
	D	K	H	P	S	P	S
454_E_	-	-	-	X	X	X	X
554_E_	-	-	-	X	X	X	X
554_F_	X	X	X	-	-	-	-
654_E_	-	-	-	X	X	X	X
654_F_	X	X	X	-	-	-	-
754_E_	-	-	-	X	X	X	X
754_F_	X	X	X	-	-	-	-
804_N_	X	X	-	X	X	X	X
954_N_	X	X	-	X	X	X	X
1104_N_	X	X	-	X	X	X	X
1304_N_	X	X	-	X	X	X	X
1554_N_	X	X	-	X	X	X	X
1754_N_	X	X	-	X	X	X	X

Amarex KRT K 250-403, n = 1450 rpm

Characteristic curves to ISO 9906 Class 2B, below 10 kW to § 4.4.2. n = nominal speed



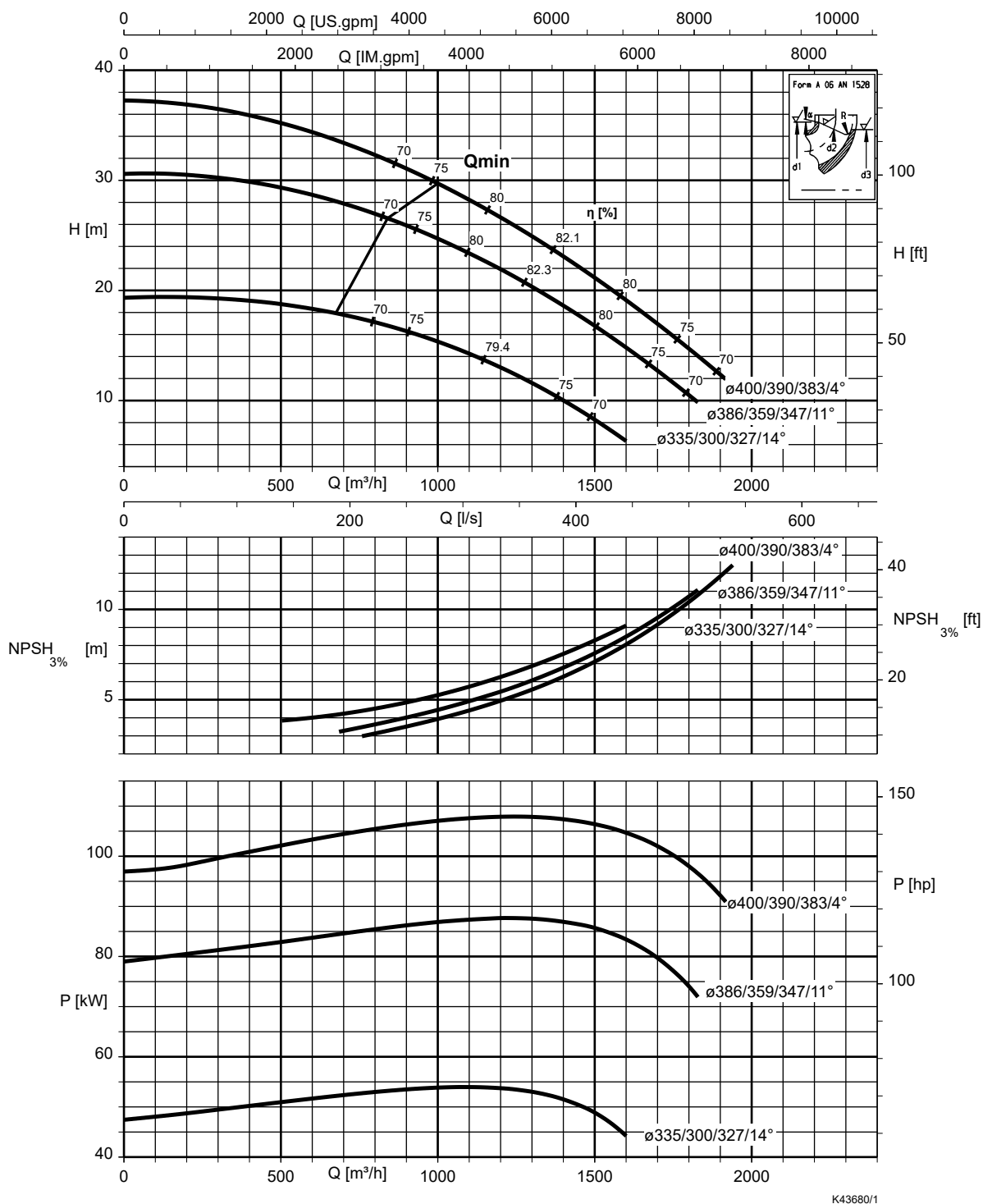
Free passage = 106 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH					C1, C2	
	Installation type					Installation type	
	D	K	H	P	S	P	S
304_E_	-	-	-	X	X	X	X
304_F_	X	X	X	-	-	-	-
374_E_	-	-	-	X	X	X	X
374_F_	X	X	X	-	-	-	-
454_E_	-	-	-	X	X	X	X
554_E_	-	-	-	X	X	X	X
554_F_	X	X	X	-	-	-	-
654_E_	-	-	-	X	X	X	X
654_F_	X	X	X	-	-	-	-
754_E_	-	-	-	X	X	X	X
754_F_	X	X	X	-	-	-	-
804_N_	X	X	-	-	X	-	X
954_N_	X	X	-	-	X	-	X
1104_N_	X	X	-	-	X	-	X
1304_N_	X	X	-	-	X	-	X
1554_N_	X	X	-	-	X	-	X
1754_N_	X	X	-	-	X	-	X

Amarex KRT K 300-403, n = 1450 rpm

Characteristic curves to ISO 9906 Class 2B, below 10 kW to § 4.4.2. n = nominal speed



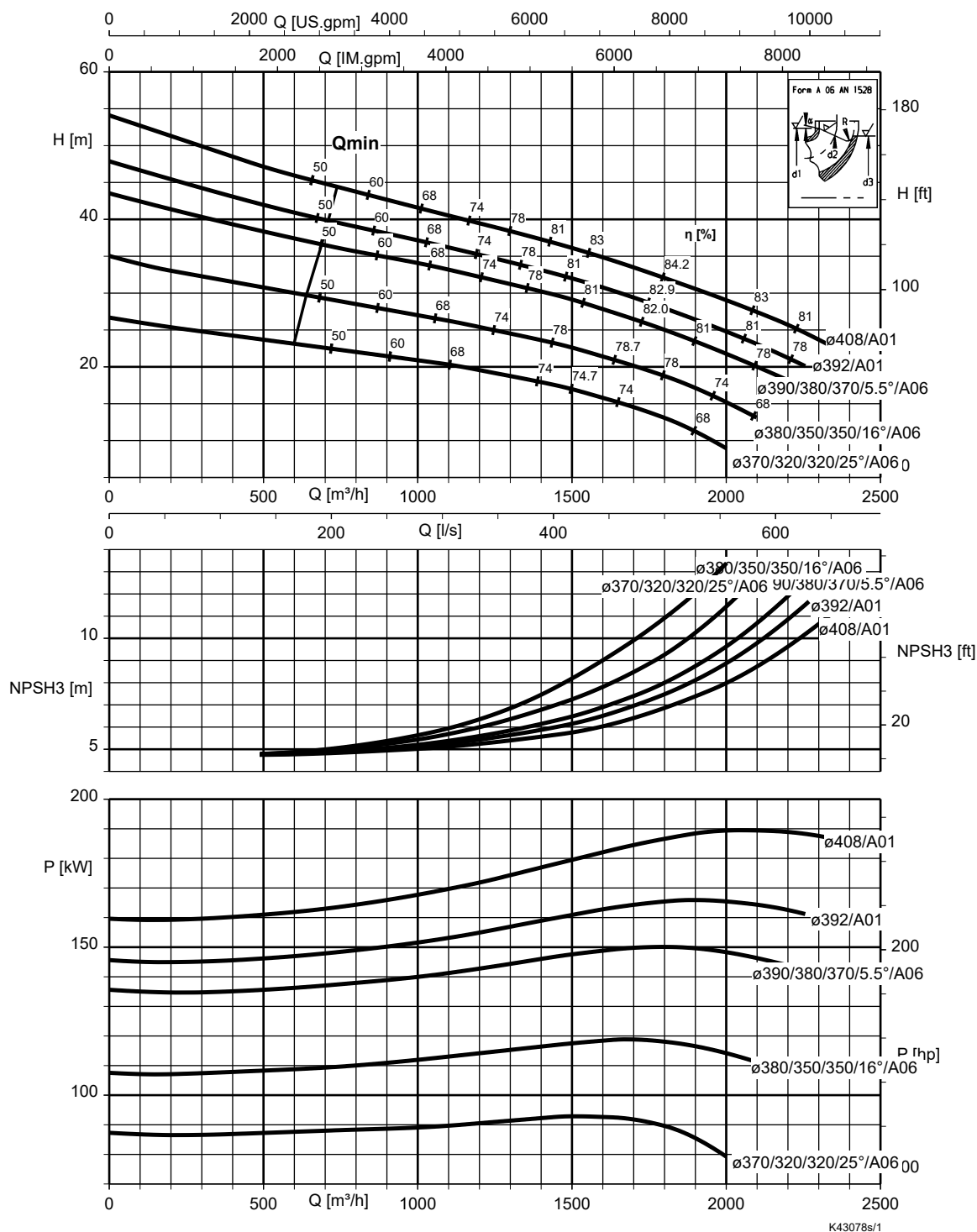
Free passage = 102 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH					C1, C2	
	Installation type					Installation type	
	D	K	H	P	S	P	S
654_E_	-	-	-	X	X	X	X
654_F_	X	X	X	-	-	-	-
754_E_	-	-	-	X	X	X	X
754_F_	X	X	X	-	-	-	-
804_N_	X	X	-	-	X	-	X
954_N_	X	X	-	-	X	-	X
1104_N_	X	X	-	-	X	-	X
1304_N_	X	X	-	-	X	-	X
1554_N_	X	X	-	-	X	-	X
1754_N_	X	X	-	-	X	-	X

Amarex KRT K 300-420, n = 1450 rpm

Characteristic curves to ISO 9906 Class 2B, below 10 kW to § 4.4.2. n = nominal speed



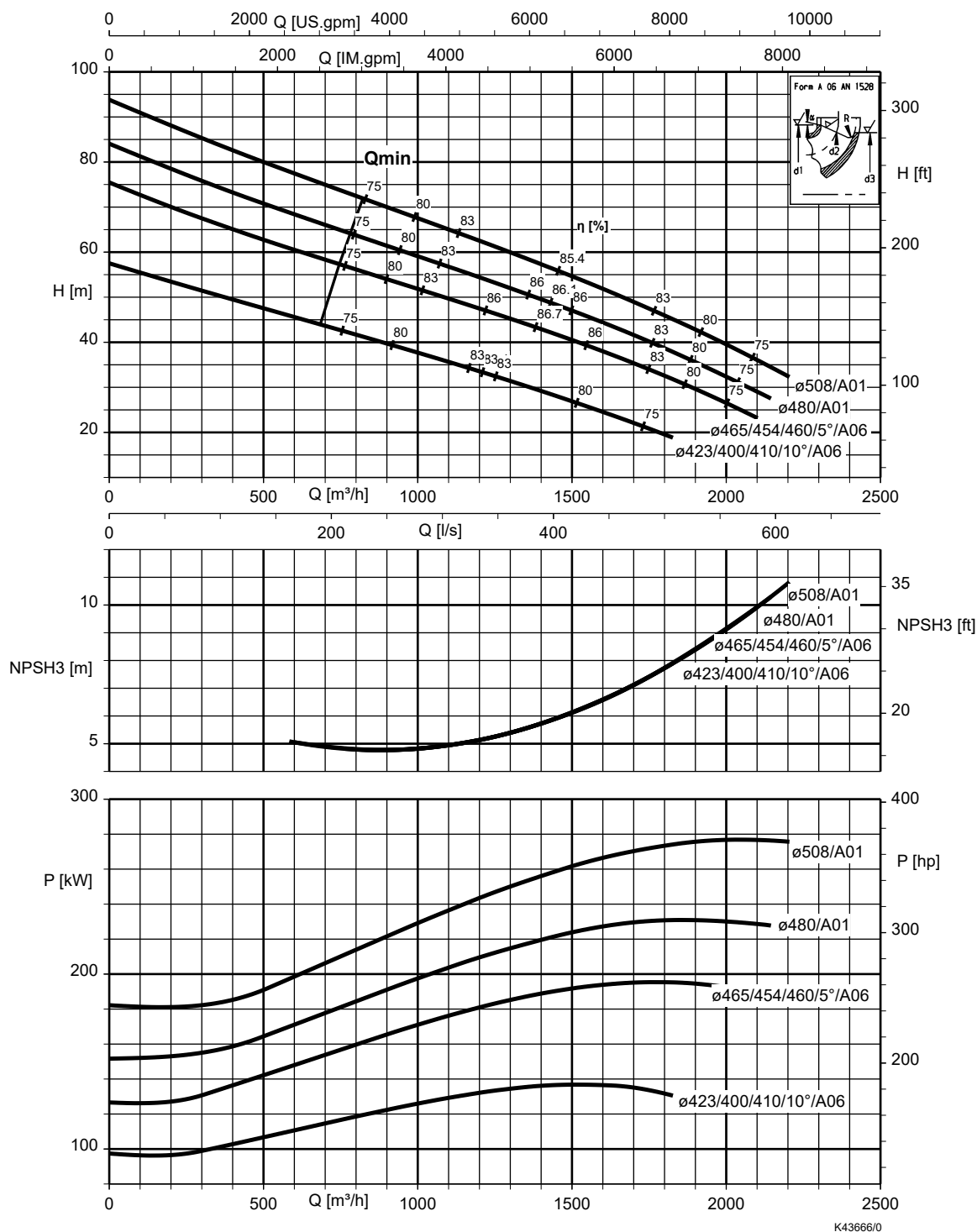
Free passage = 100 mm

Motor depending on material variant and installation type

Motor	G, G1, G2					C1, C2	
	Installation type					Installation type	
	D	K	H	P	S	P	S
1104_N_	X	X	-	-	X	-	-
1304_N_	X	X	-	-	X	-	X
1554_N_	-	-	-	-	X	-	X
1754_N_	-	-	-	-	X	-	X
2004_N_	-	-	-	-	X	-	X
2504_N_	-	-	-	-	X	-	X
3004_N_	-	-	-	-	X	-	X

Amarex KRT K 300-505, n = 1450 rpm

Characteristic curves to ISO 9906 Class 2B, below 10 kW to § 4.4.2. n = nominal speed



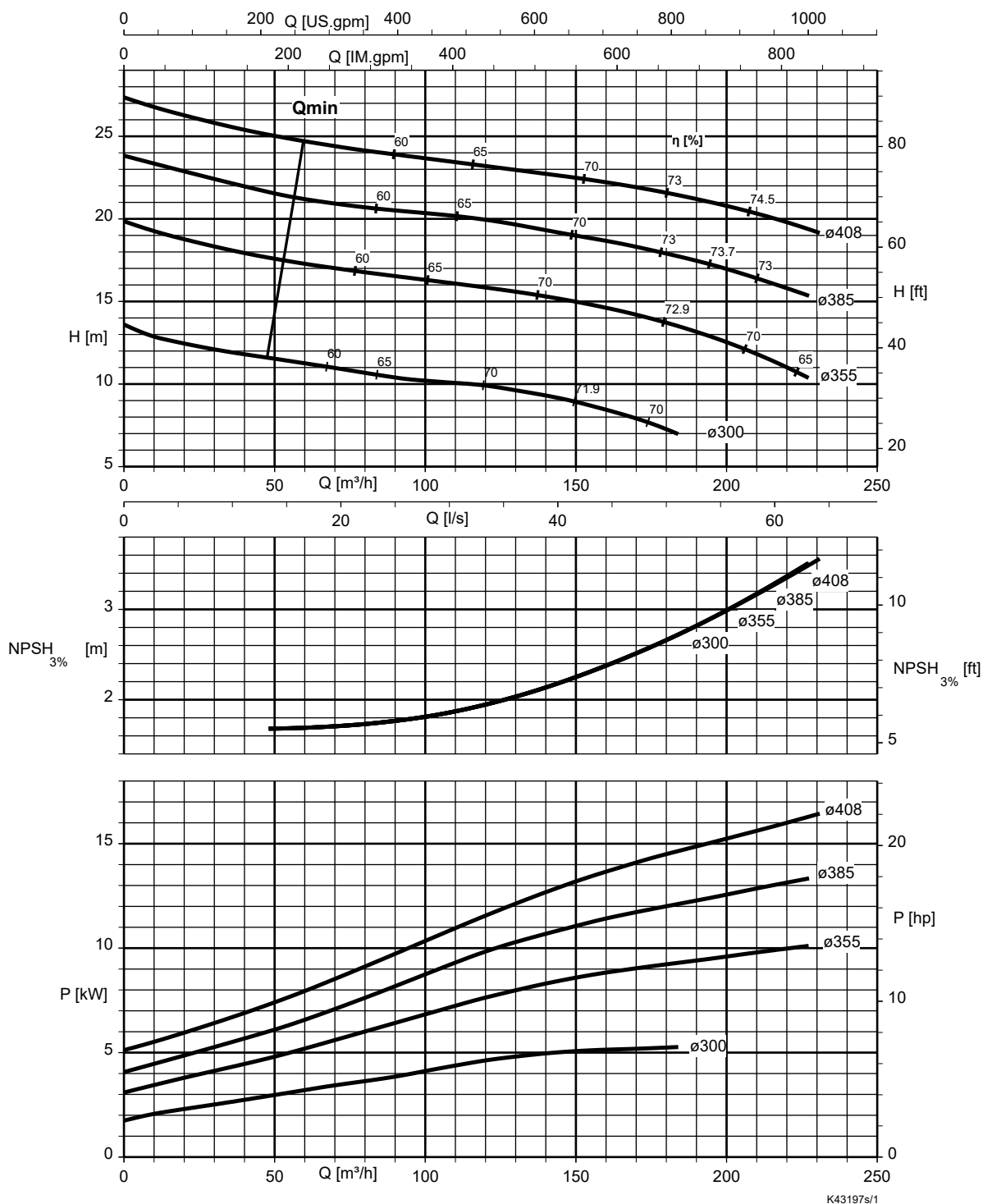
Free passage = 102 mm

Motor depending on material variant and installation type

Motor	G, G1, G2				
	Installation type				
	D	K	H	P	S
954_N_	X	X	-	-	X
1104_N_	X	X	-	-	X
1304_N_	X	X	-	-	X
1554_N_	X	X	-	-	X
1754_N_	X	X	-	-	X
2004_N_	X	X	-	-	X
2504_N_	X	X	-	-	X
3004_N_	X	X	-	-	X
3504_N_	X	X	-	-	X

Amarex KRT K 100-400, n = 960 rpm

Characteristic curves to ISO 9906 Class 2B, below 10 kW to § 4.4.2. n = nominal speed



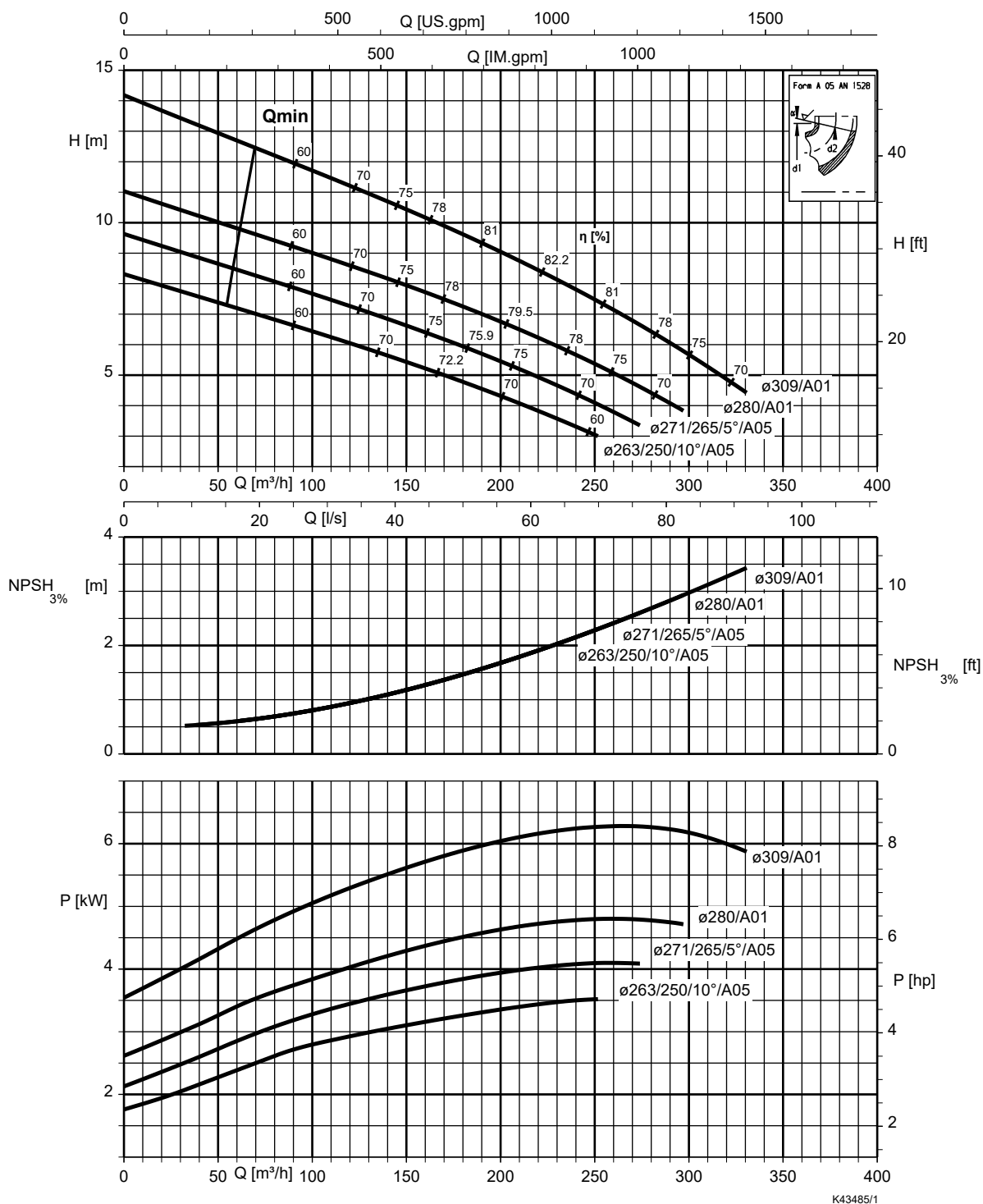
Free passage = 76 mm

Motor depending on material variant and installation type

Motor	G, G1, G2				
	Installation type				
	D	K	H	P	S
226_E_	-	-	-	X	X
226_F_	X	X	X	-	-
306_E_	-	-	-	X	X
306_F_	X	X	X	-	-
316_E_	-	-	-	X	X
316_F_	X	X	X	-	-
376_E_	-	-	-	X	X
376_F_	X	X	X	-	-
456_E_	-	-	-	X	X
456_F_	X	X	X	-	-
556_E_	-	-	-	X	X
556_F_	X	X	X	-	-

Amarex KRT K 150-317, n = 960 rpm

Characteristic curves to ISO 9906 Class 2B, below 10 kW to § 4.4.2. n = nominal speed



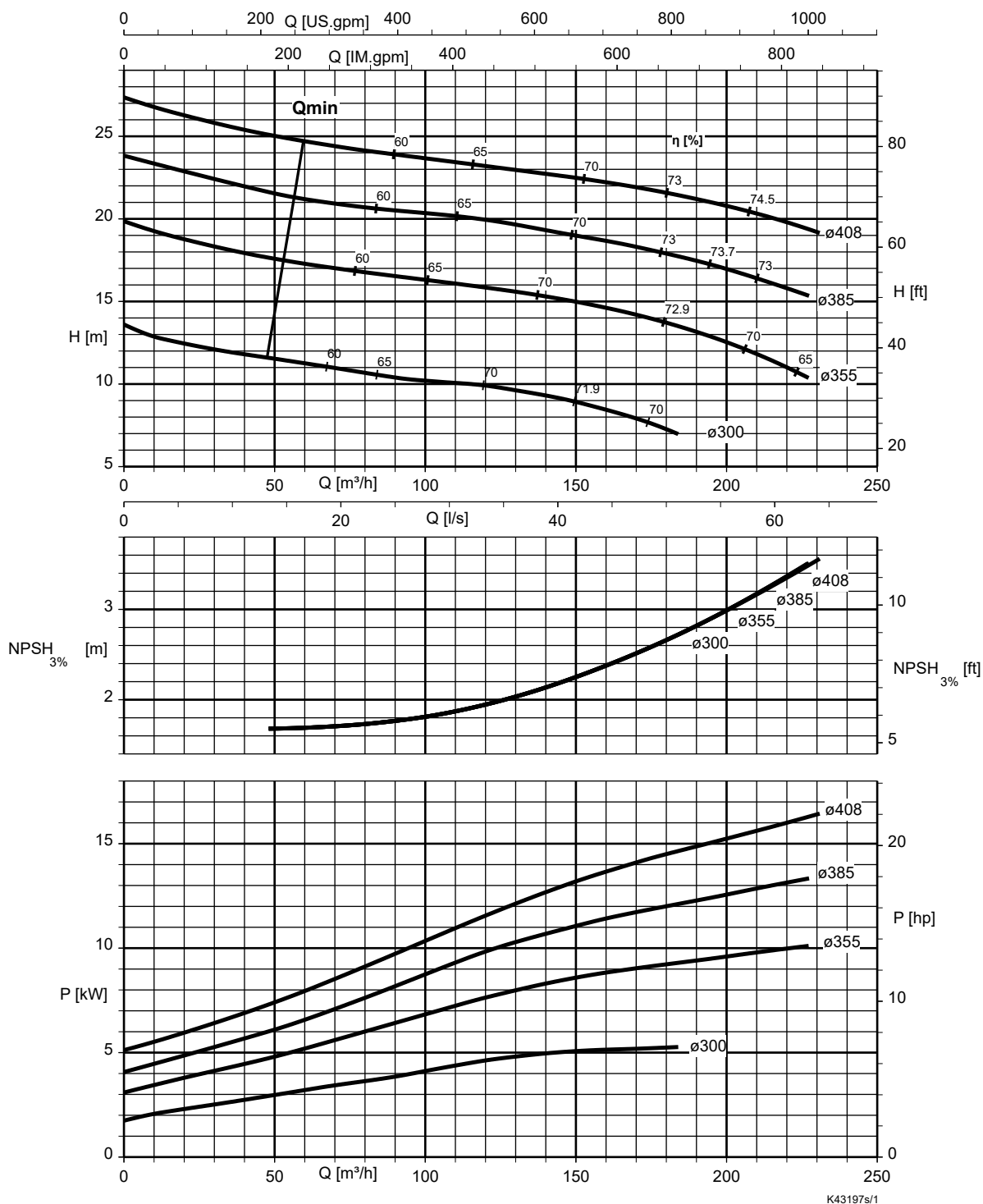
Free passage = 76 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH				
	Installation type				
	D	K	H	P	S
76_E_	X	X	X	X	X
116_E_	X	X	X	X	X
156_E_	X	X	X	X	X
156_F_	X	X	X	-	-
186_E_	X	X	X	X	X
186_F_	X	X	X	-	-
226_E_	-	-	-	X	X
226_F_	X	X	X	-	-
316_F_	X	X	X	-	-

Amarex KRT K 150-400, n = 960 rpm

Characteristic curves to ISO 9906 Class 2B, below 10 kW to § 4.4.2. n = nominal speed



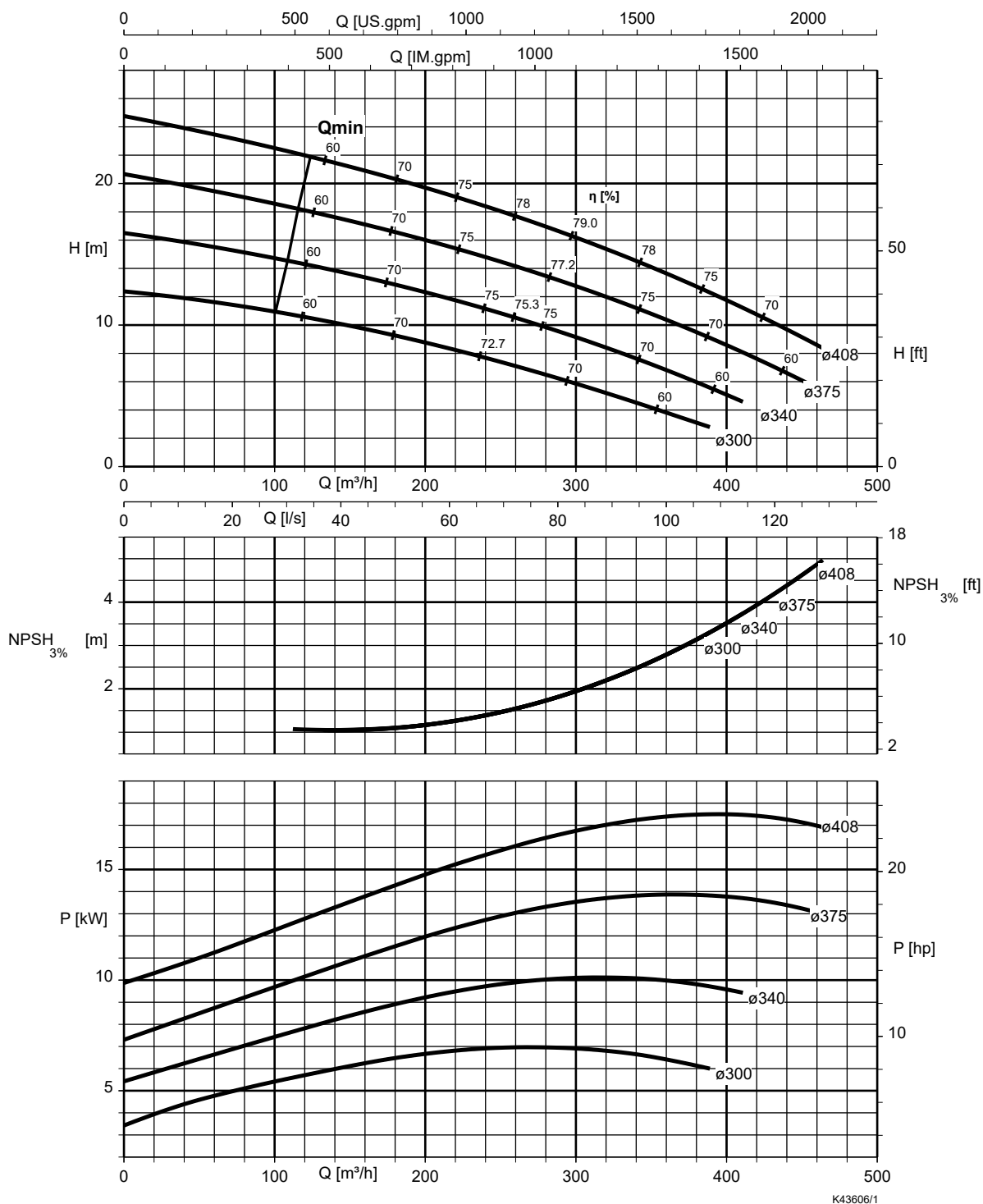
Free passage = 76 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH				
	Installation type				
	D	K	H	P	S
226_E_	-	-	-	X	X
226_F_	X	X	X	-	-
306_E_	-	-	-	X	X
306_F_	X	X	X	-	-
316_E_	-	-	-	X	X
316_F_	X	X	X	-	-
376_E_	-	-	-	X	X
376_F_	X	X	X	-	-
456_E_	-	-	-	X	X
456_F_	X	X	X	-	-
556_E_	-	-	-	X	X
556_F_	X	X	X	-	-

Amarex KRT K 150-403, n = 960 rpm

Characteristic curves to ISO 9906 Class 2B, below 10 kW to § 4.4.2. n = nominal speed



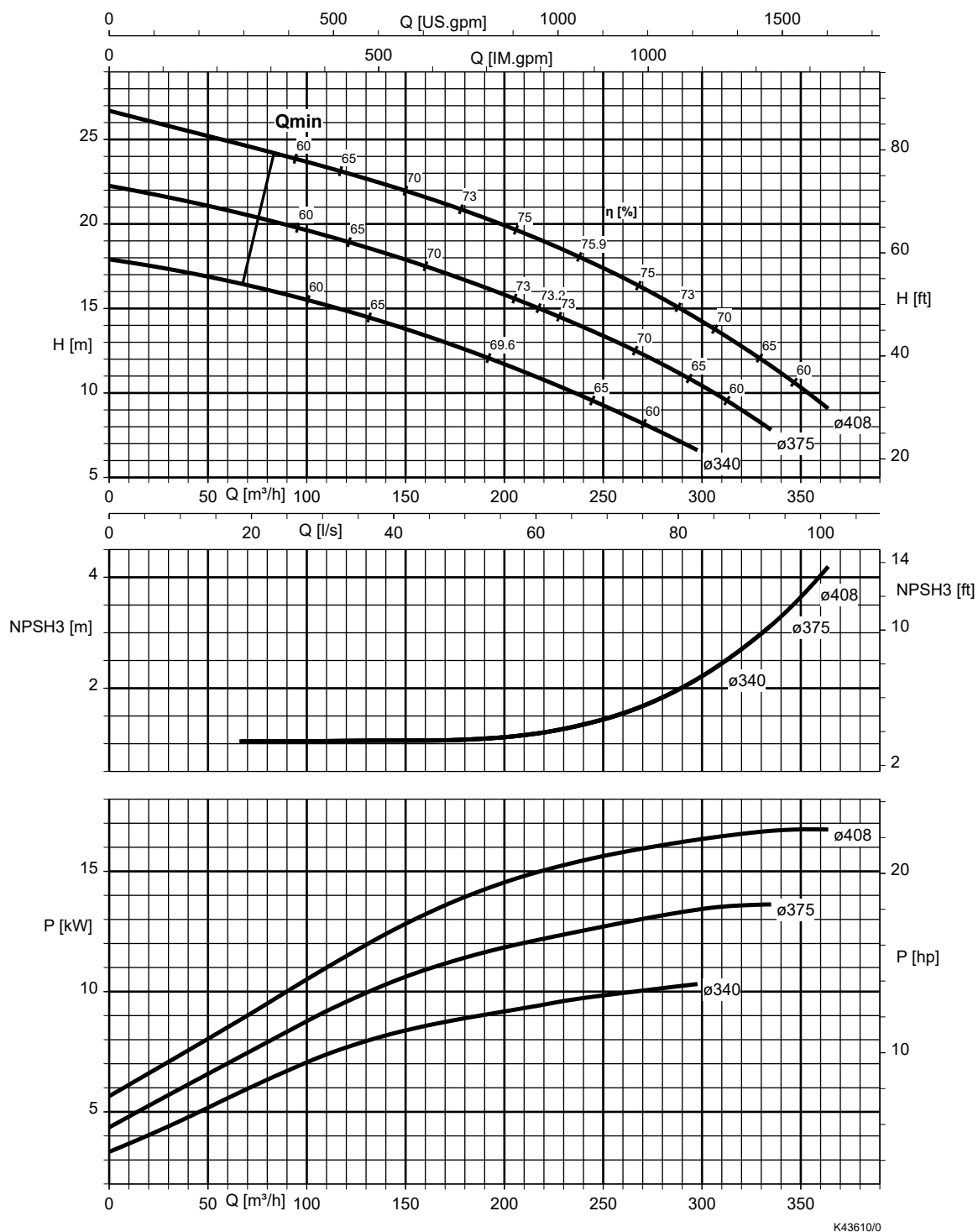
Free passage = 76 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH					C1, C2	
	Installation type					Installation type	
	D	K	H	P	S	P	S
226_E_	-	-	-	X	X	X	X
226_F_	X	X	X	-	-	-	-
306_E_	-	-	-	X	X	X	X
306_F_	X	X	X	-	-	-	-
316_E_	-	-	-	X	X	X	X
316_F_	X	X	X	-	-	-	-
376_E_	-	-	-	X	X	X	X
376_F_	X	X	X	-	-	-	-
456_E_	-	-	-	X	X	X	X
456_F_	X	X	X	-	-	-	-
556_E_	-	-	-	X	X	X	X
556_F_	X	X	X	-	-	-	-
606_N_	X	X	-	-	X	-	X
806_N_	X	X	-	-	X	-	X
1006_N_	X	X	-	-	X	-	X

Amarex KRT K 151-403, n = 960 rpm

Characteristic curves to ISO 9906 Class 2B, below 10 kW to § 4.4.2. n = nominal speed



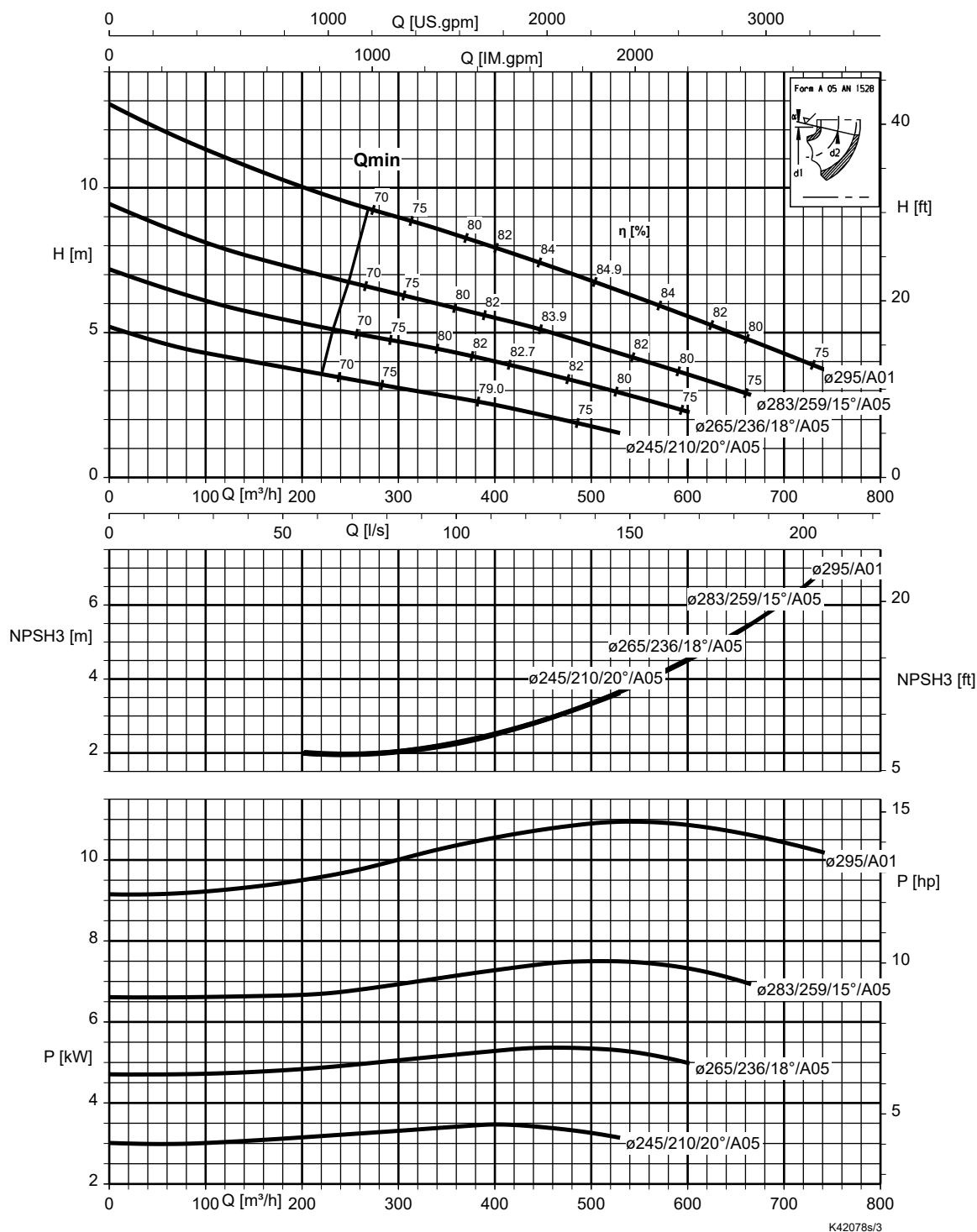
Free passage = 76 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH					C1, C2	
	Installation type					Installation type	
	D	K	H	P	S	P	S
226_E_	-	-	-	X	X	X	X
226_F_	X	X	X	-	-	-	-
306_E_	-	-	-	X	X	X	X
306_F_	X	X	X	-	-	-	-
316_E_	-	-	-	X	X	X	X
316_F_	X	X	X	-	-	-	-
376_E_	-	-	-	X	X	X	X
376_F_	X	X	X	-	-	-	-
456_E_	-	-	-	X	X	X	X
456_F_	X	X	X	-	-	-	-
556_E_	-	-	-	X	X	X	X
556_F_	X	X	X	-	-	-	-
606_N_	X	X	-	-	X	-	X
806_N_	X	X	-	-	X	-	X
1006_N_	X	X	-	-	X	-	X

Amarex KRT K 200-315, n = 960 rpm

Characteristic curves to ISO 9906 Class 2B, below 10 kW to § 4.4.2. n = nominal speed



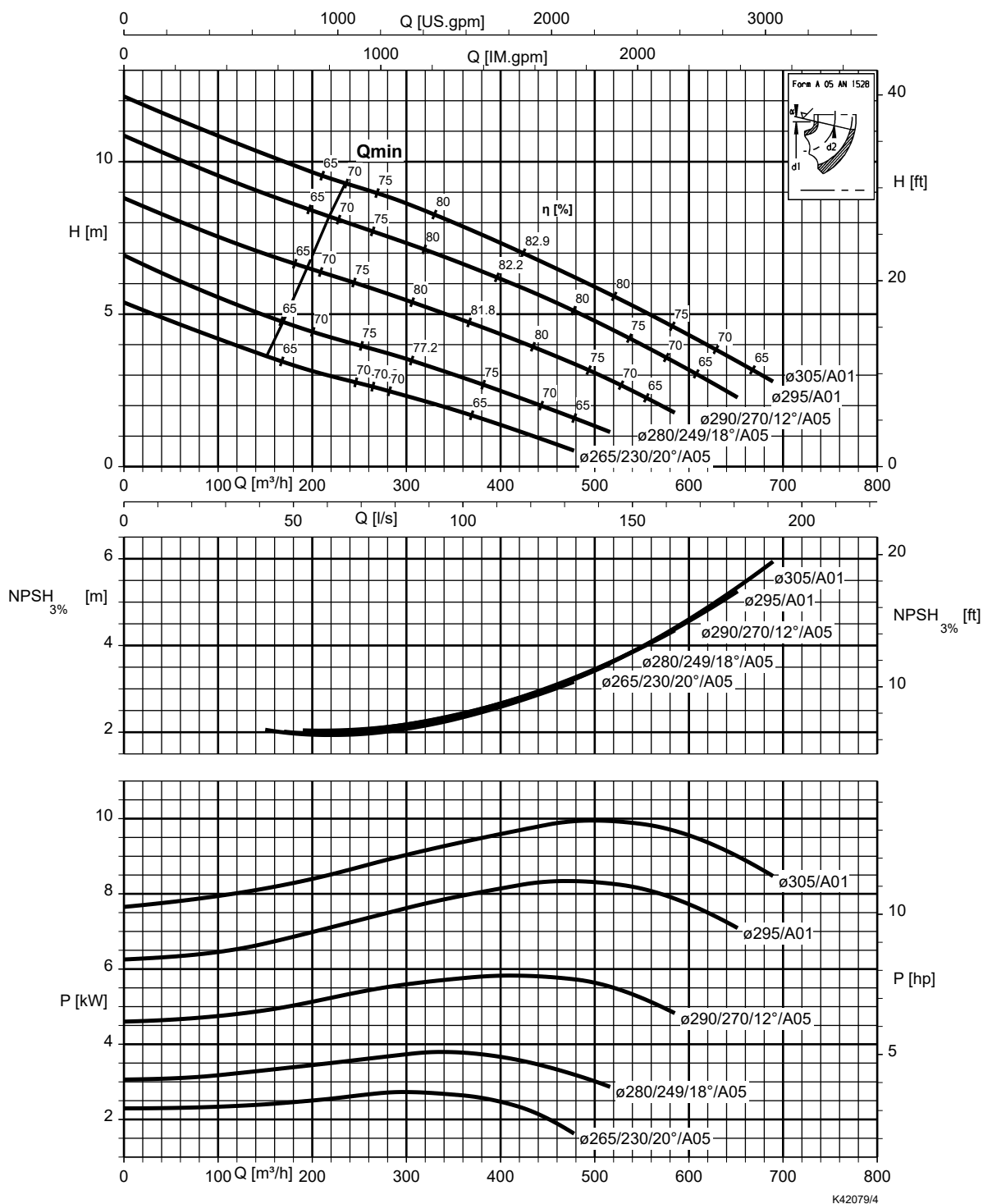
Free passage = 70 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH					C1, C2	
	Installation type					Installation type	
	D	K	H	P	S	P	S
76_E_	X	X	X	X	X	X	X
116_E_	X	X	X	X	X	X	X
156_E_	X	X	X	X	X	X	X
156_F_	X	X	X	-	-	-	-
186_E_	X	X	X	X	X	X	X
186_F_	X	X	X	-	-	-	-
226_E_	-	-	-	X	X	X	X
226_F_	X	X	X	-	-	-	-

Amarex KRT K 200-316, n = 960 rpm

Characteristic curves to ISO 9906 Class 2B, below 10 kW to § 4.4.2. n = nominal speed



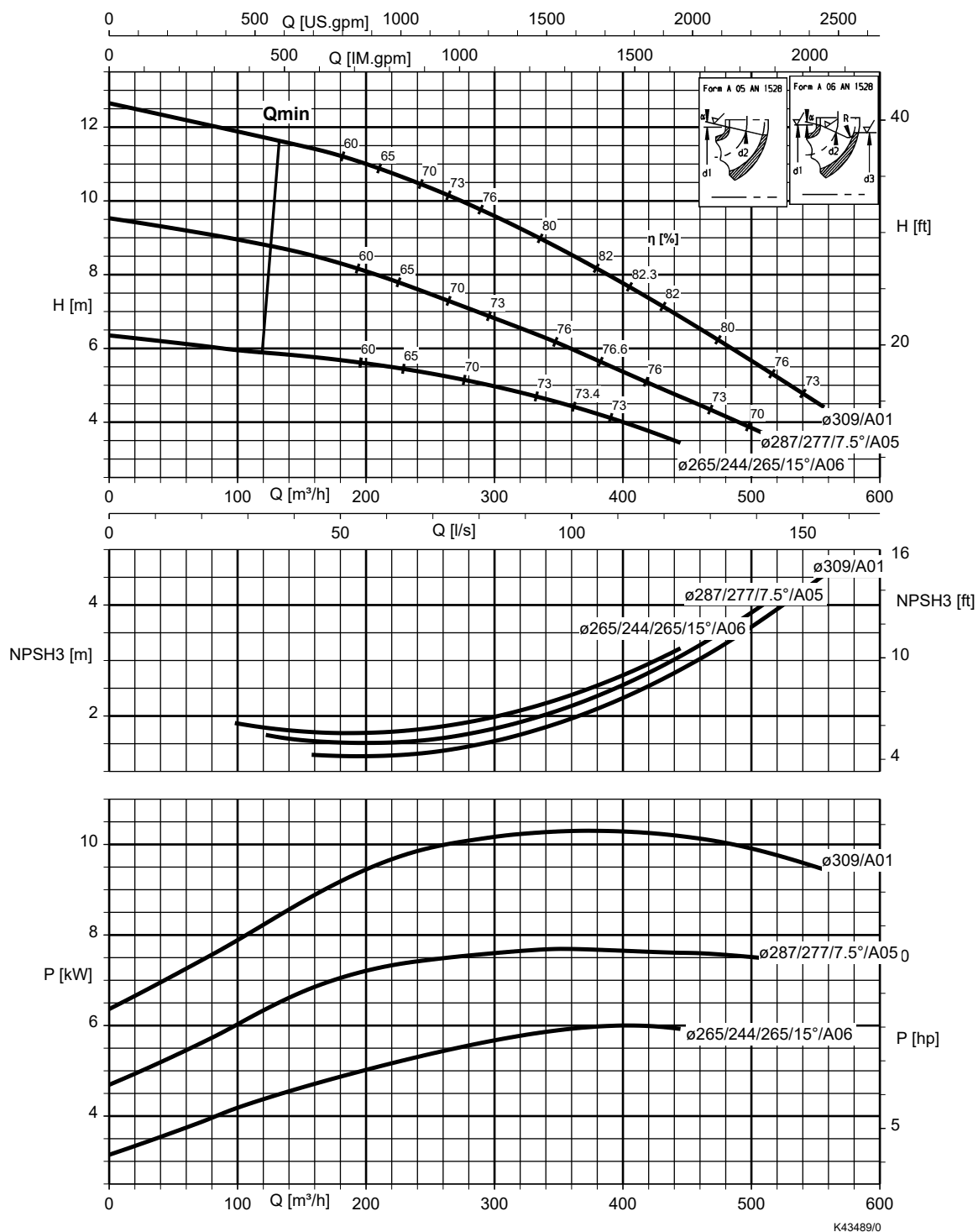
Free passage = 100 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH					C1, C2	
	Installation type					Installation type	
	D	K	H	P	S	P	S
76_E_	X	X	X	X	X	X	X
116_E_	X	X	X	X	X	X	X
156_E_	X	X	X	X	X	X	X
156_F_	X	X	X	-	-	-	-
186_E_	X	X	X	X	X	X	X
186_F_	X	X	X	-	-	-	-
226_E_	-	-	-	X	X	X	X
226_F_	X	X	X	-	-	-	-

Amarex KRT K 200-317, n = 960 rpm

Characteristic curves to ISO 9906 Class 2B, below 10 kW to § 4.4.2. n = nominal speed



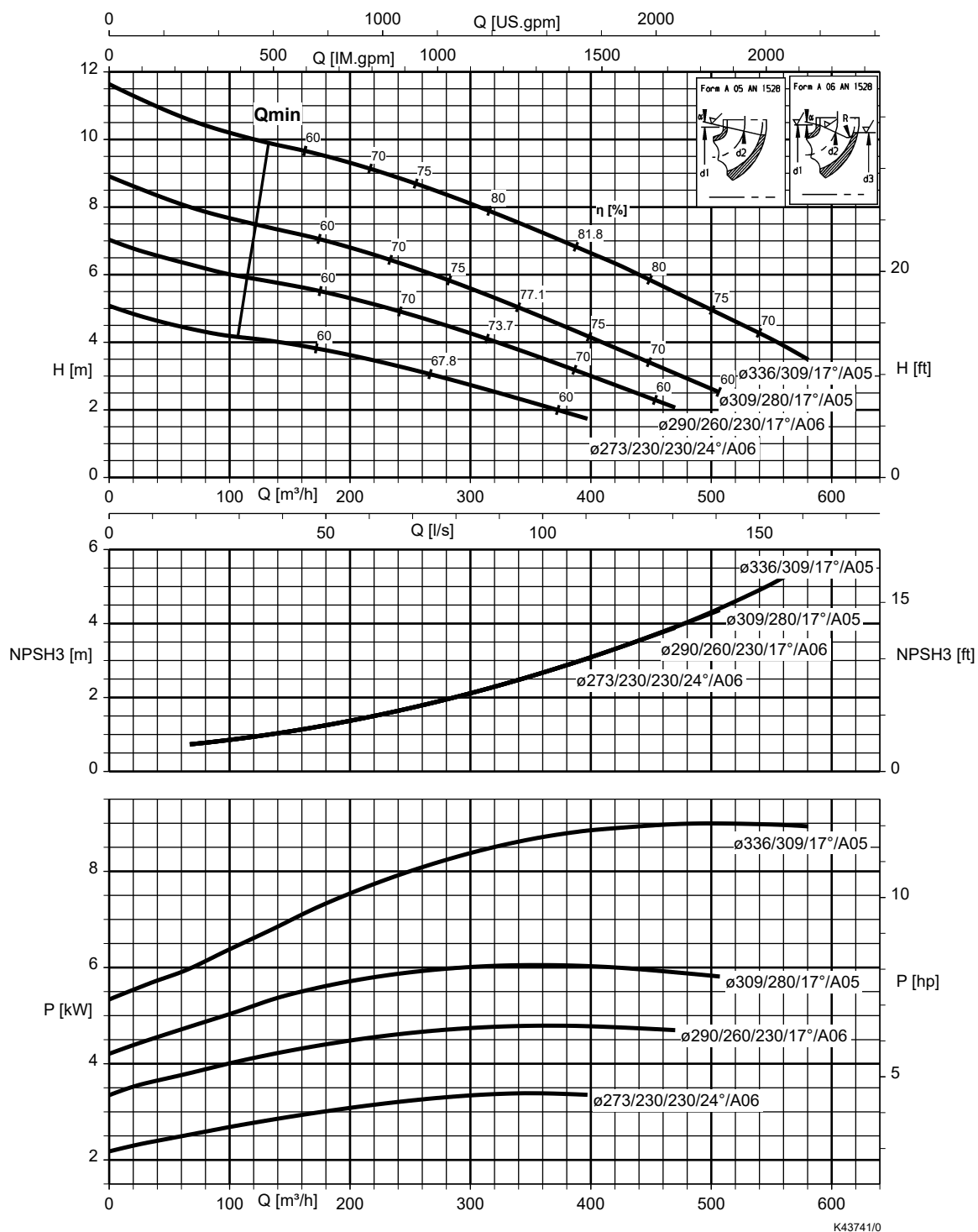
Free passage = 76 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH				
	Installation type				
	D	K	H	P	S
76_E_	X	X	X	X	X
116_E_	X	X	X	X	X
156_E_	X	X	X	X	X
156_F_	X	X	X	-	-
186_E_	X	X	X	X	X
186_F_	X	X	X	-	-
226_E_	-	-	-	X	X
226_F_	X	X	X	-	-
316_E_	-	-	-	X	X
376_E_	-	-	-	X	X

Amarex KRT K 200-318, n = 960 rpm

Characteristic curves to ISO 9906 Class 2B, below 10 kW to § 4.4.2. n = nominal speed



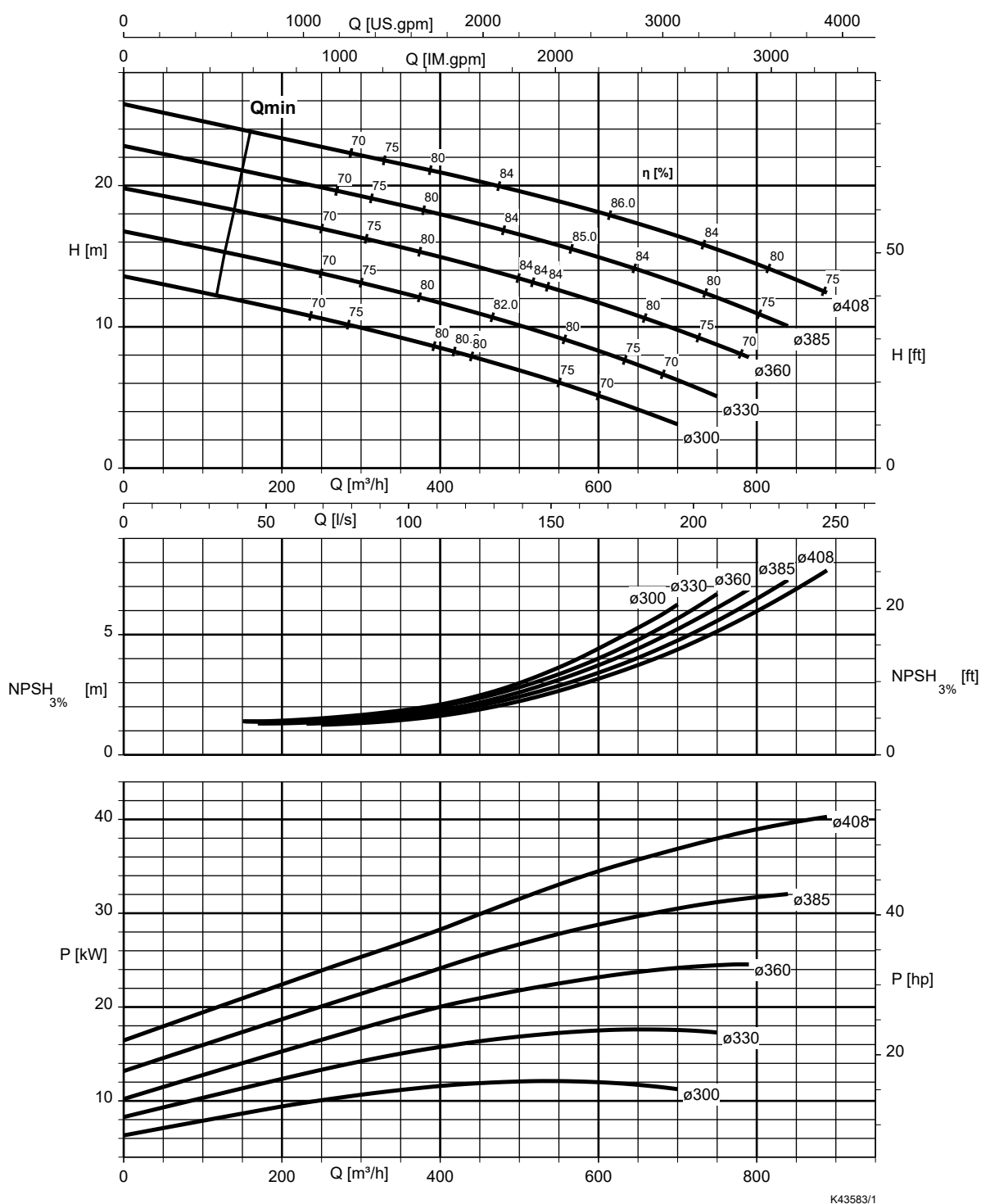
Free passage = 100 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH				
	Installation type				
	D	K	H	P	S
76_E_	X	X	X	X	X
116_E_	X	X	X	X	X
156_E_	X	X	X	X	X
156_F_	X	X	X	-	-
186_E_	X	X	X	X	X
186_F_	X	X	X	-	-
226_E_	-	-	-	X	X
226_F_	X	X	X	-	-

Amarex KRT K 200-402, n = 960 rpm

Characteristic curves to ISO 9906 Class 2B, below 10 kW to § 4.4.2. n = nominal speed



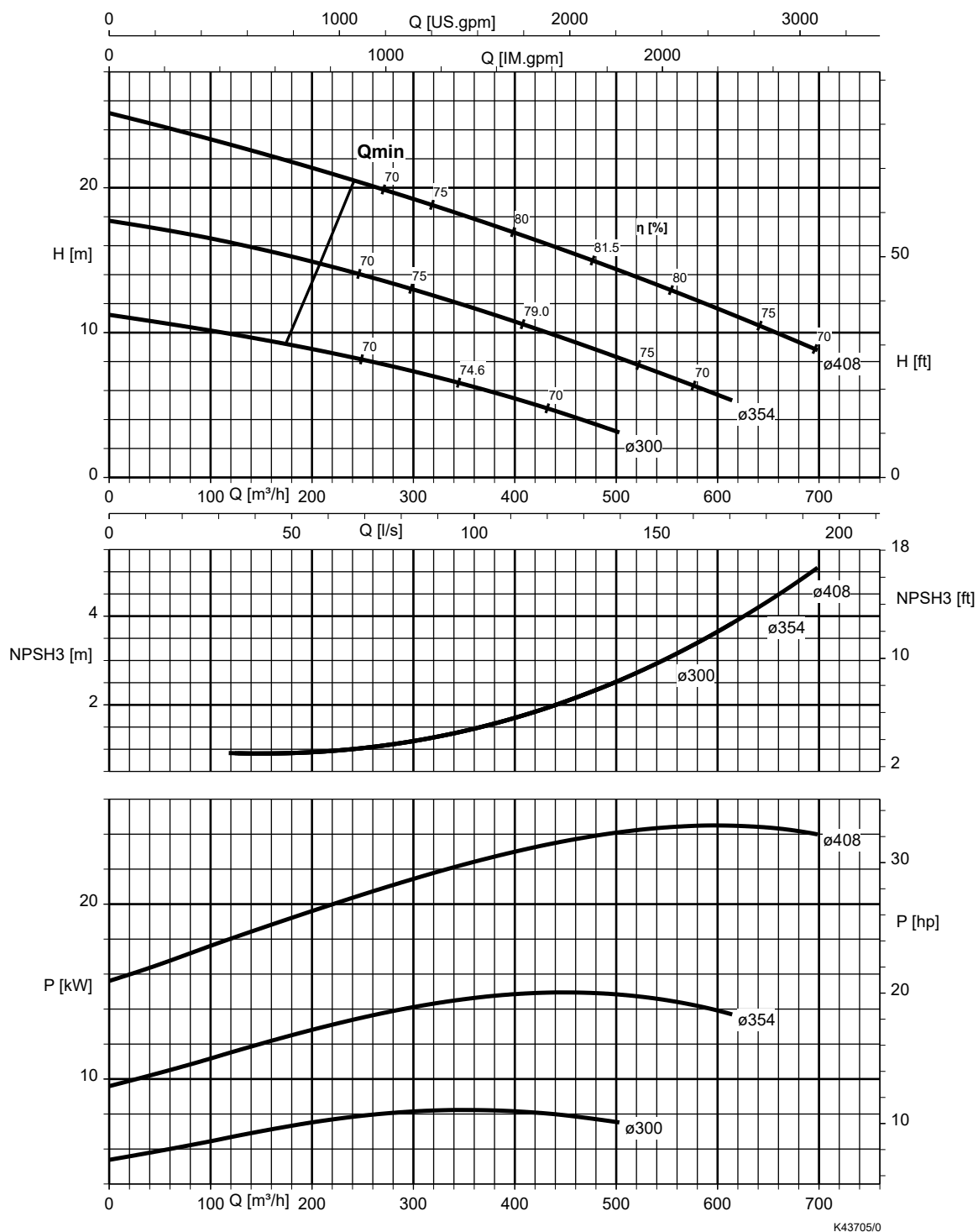
Free passage = 80 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH					C1, C2	
	Installation type					Installation type	
	D	K	H	P	S	P	S
226_E_	-	-	-	X	X	X	X
226_F_	X	X	X	-	-	-	-
306_E_	-	-	-	X	X	X	X
306_F_	X	X	X	-	-	-	-
316_E_	-	-	-	X	X	X	X
316_F_	X	X	X	-	-	-	-
376_E_	-	-	-	X	X	X	X
376_F_	X	X	X	-	-	-	-
456_E_	-	-	-	X	X	X	X
456_F_	X	X	X	-	-	-	-
556_E_	-	-	-	X	X	X	X
556_F_	X	X	X	-	-	-	-
606_N_	X	X	-	X	X	-	-

Amarex KRT K 200-403, n = 960 rpm

Characteristic curves to ISO 9906 Class 2B, below 10 kW to § 4.4.2. n = nominal speed



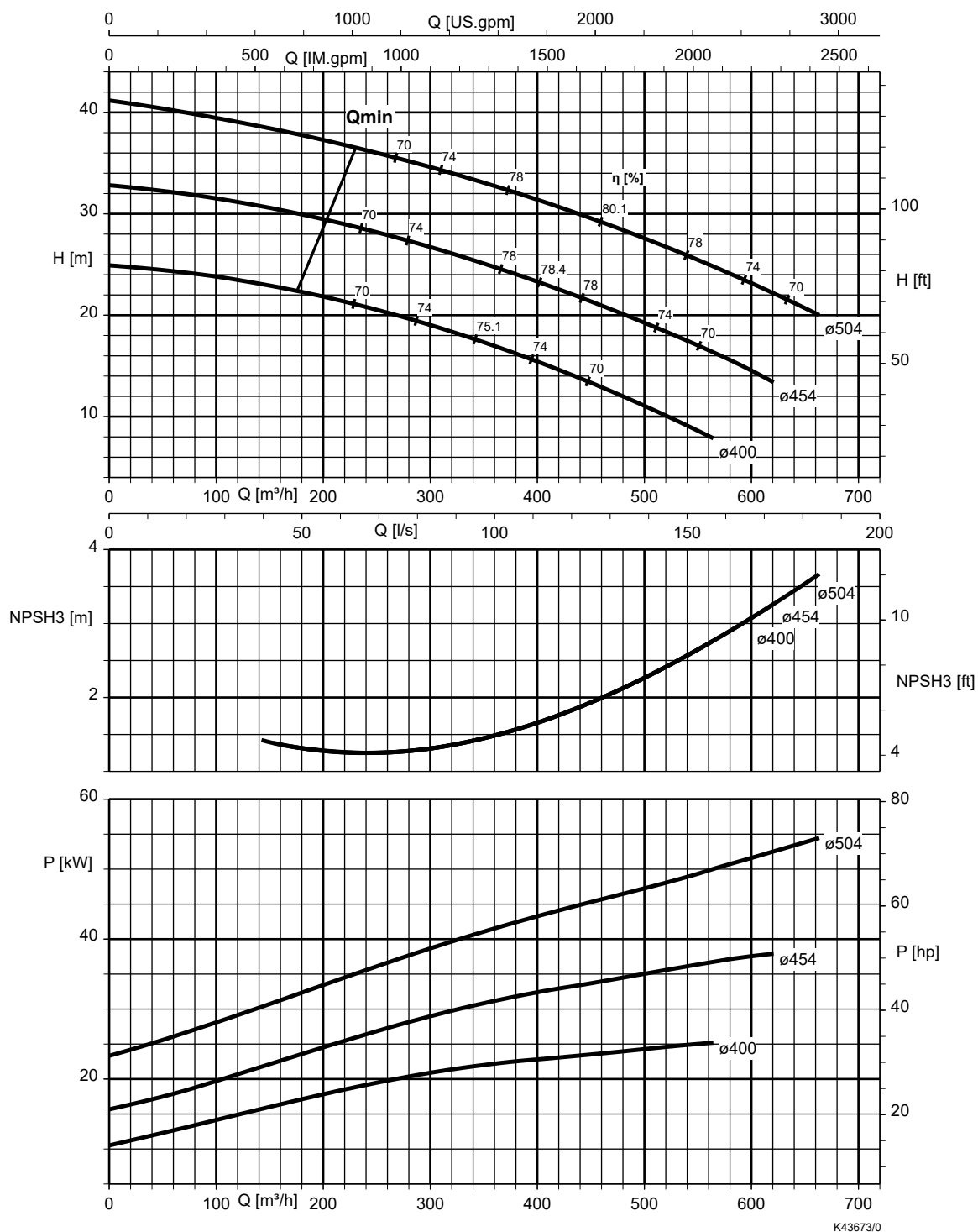
Free passage = 90 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH					C1, C2	
	Installation type					Installation type	
	D	K	H	P	S	P	S
226_E_	-	-	-	X	X	X	X
226_F_	X	X	X	-	-	-	-
306_E_	-	-	-	X	X	X	X
306_F_	X	X	X	-	-	-	-
316_E_	-	-	-	X	X	X	X
316_F_	X	X	X	-	-	-	-
376_E_	-	-	-	X	X	X	X
376_F_	X	X	X	-	-	-	-
456_E_	-	-	-	X	X	X	X
456_F_	X	X	X	-	-	-	-
556_E_	-	-	-	X	X	X	X
556_F_	X	X	X	-	-	-	-
606_N_	X	X	-	-	X	-	-
806_N_	X	X	-	-	X	-	-
1006_N_	X	X	-	-	X	-	-

Amarex KRT K 200-503, n = 960 rpm

Characteristic curves to ISO 9906 Class 2B, below 10 kW to § 4.4.2. n = nominal speed



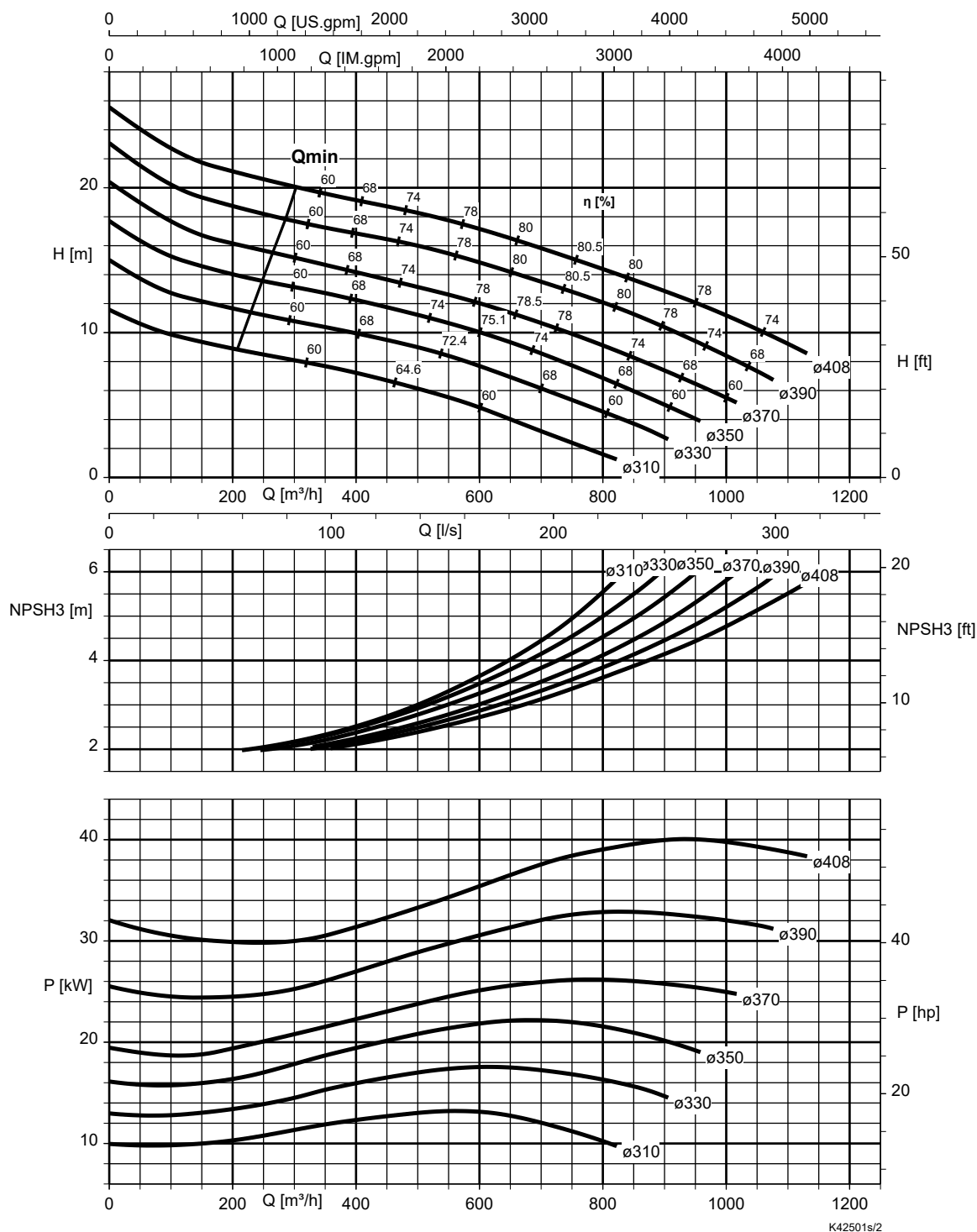
Free passage = 90 mm

Motor depending on material variant and installation type

Motor	G, G1, G2				
	Installation type				
	D	K	H	P	S
606_N_	X	X	-	-	X
806_N_	X	X	-	-	X
1006_N_	X	X	-	-	X

Amarex KRT K 250-401, n = 960 rpm

Characteristic curves to ISO 9906 Class 2B, below 10 kW to § 4.4.2. n = nominal speed



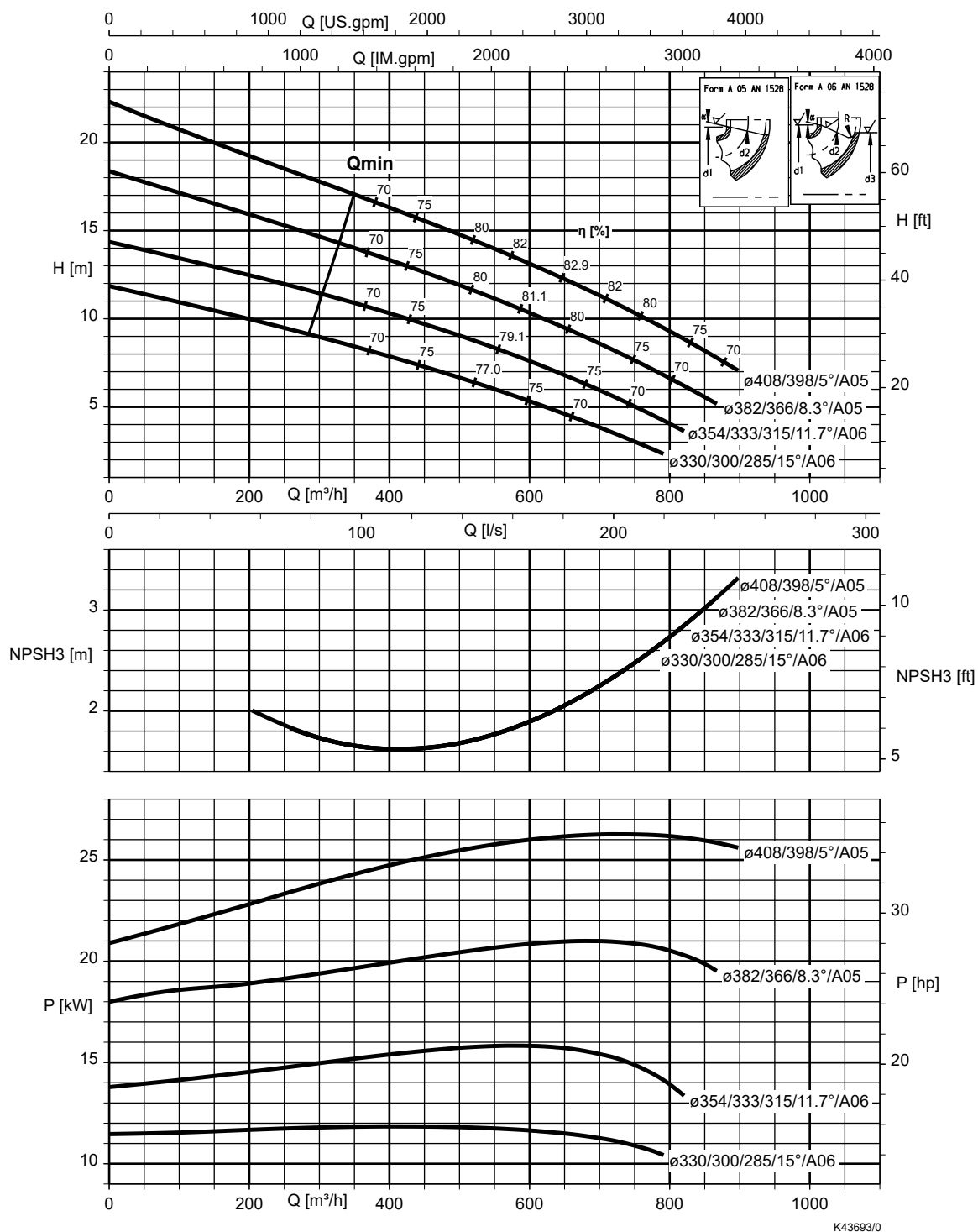
Free passage = 105 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH					C1, C2	
	Installation type					Installation type	
	D	K	H	P	S	P	S
226_E_	-	-	-	X	X	X	X
226_F_	X	X	X	-	-	-	-
306_E_	-	-	-	X	X	X	X
306_F_	X	X	X	-	-	-	-
316_E_	-	-	-	X	X	X	X
316_F_	X	X	X	-	-	-	-
376_E_	-	-	-	X	X	X	X
376_F_	X	X	X	-	-	-	-
456_E_	-	-	-	X	X	X	X
456_F_	X	X	X	-	-	-	-
556_E_	-	-	-	X	X	X	X
556_F_	X	X	X	-	-	-	-
606_N_	X	X	-	X	X	X	X

Amarex KRT K 250-403, n = 960 rpm

Characteristic curves to ISO 9906 Class 2B, below 10 kW to § 4.4.2. n = nominal speed



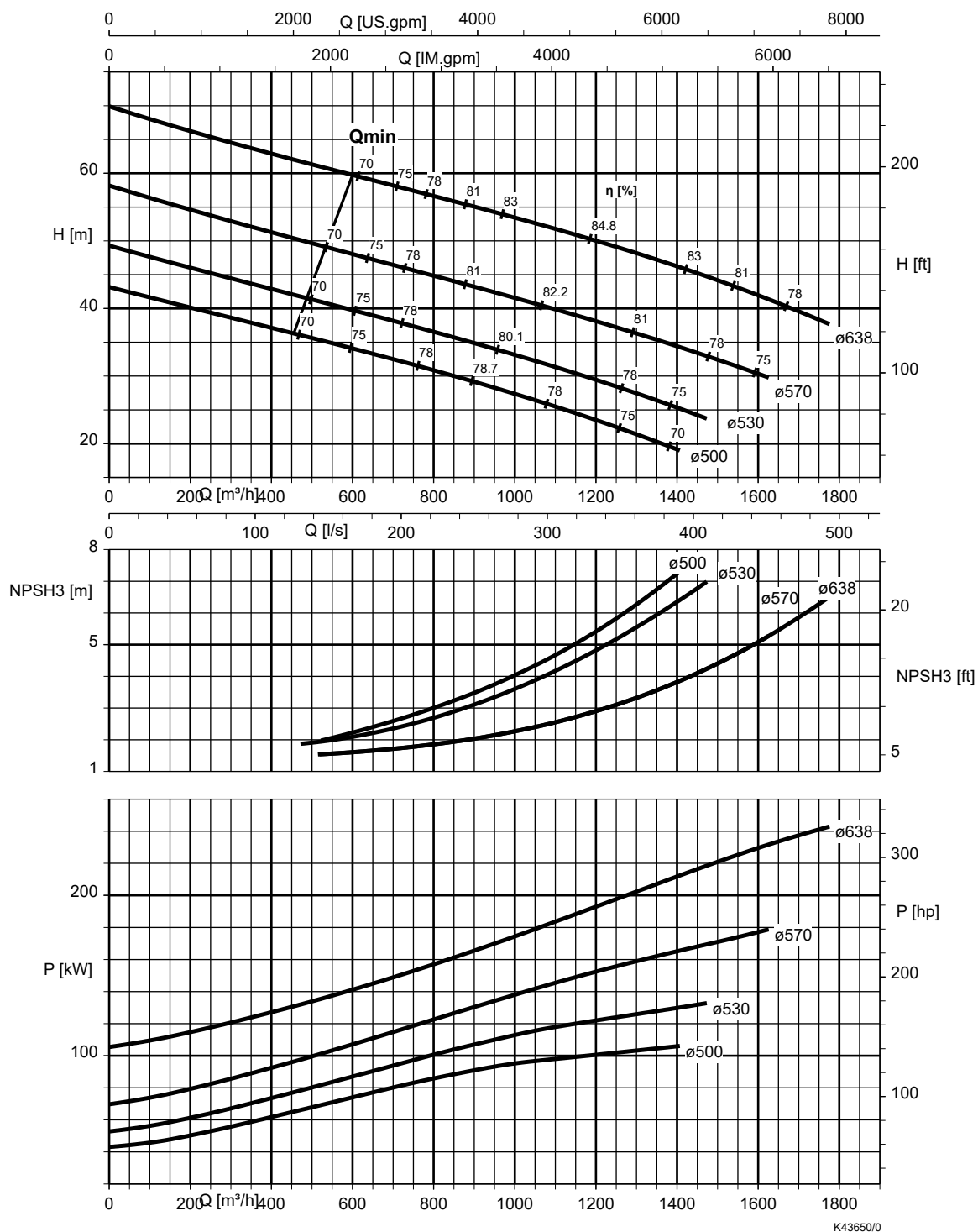
Free passage = 106 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH					C1, C2	
	Installation type					Installation type	
	D	K	H	P	S	P	S
226_E_	-	-	-	X	X	X	X
226_F_	X	X	X	-	-	-	-
306_E_	-	-	-	X	X	X	X
306_F_	X	X	X	-	-	-	-
316_E_	-	-	-	X	X	X	X
316_F_	X	X	X	-	-	-	-
376_E_	-	-	-	X	X	X	X
376_F_	X	X	X	-	-	-	-
456_E_	-	-	-	X	X	X	X
456_F_	X	X	X	-	-	-	-
556_E_	-	-	-	X	X	X	X
556_F_	X	X	X	-	-	-	-
606_N_	X	X	-	-	X	-	X
806_N_	X	X	-	-	X	-	X
1006_N_	X	X	-	-	X	-	X

Amarex KRT K 250-632, n = 960 rpm

Characteristic curves to ISO 9906 Class 2B, below 10 kW to § 4.4.2. n = nominal speed



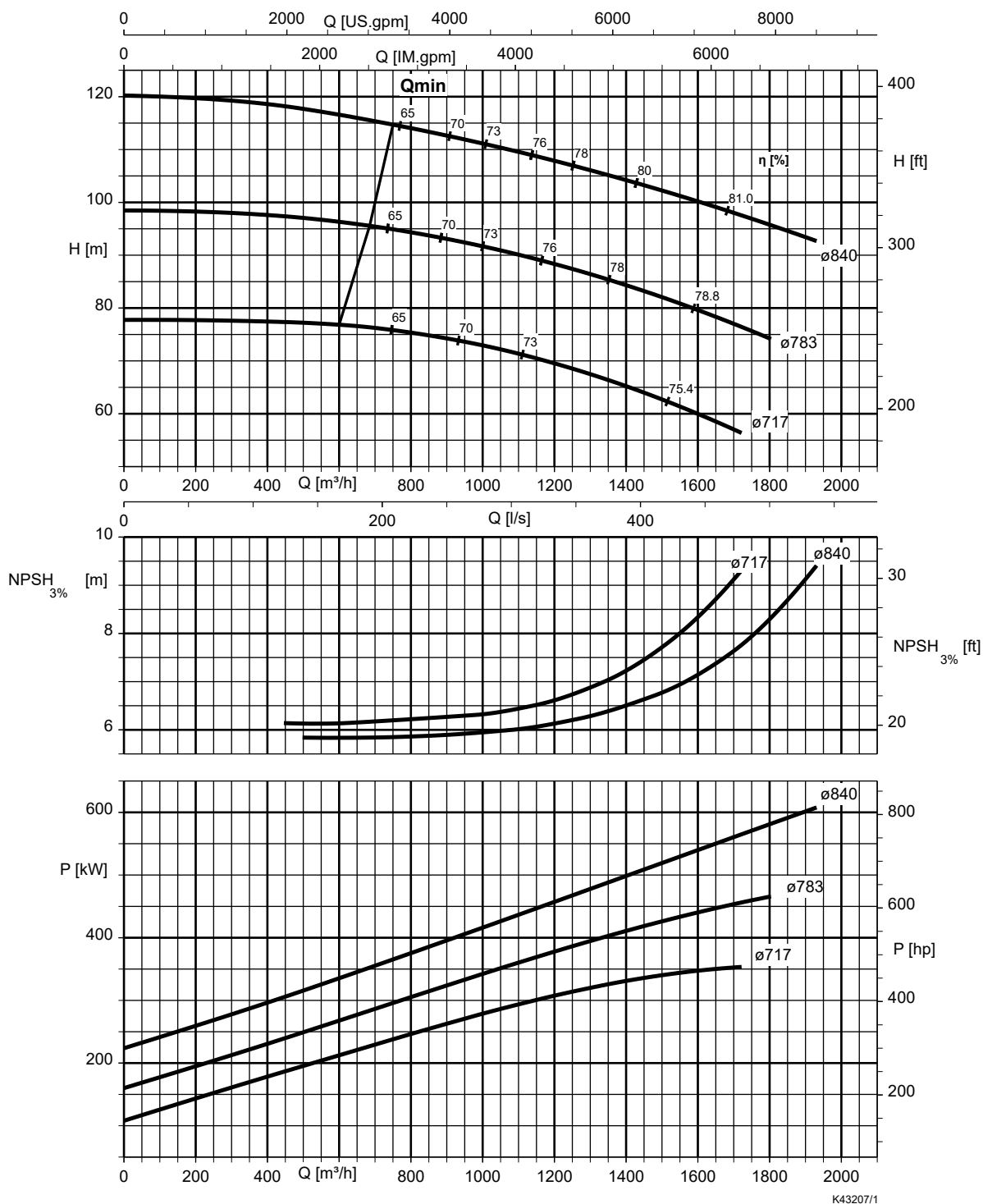
Free passage = 102 mm

Motor depending on material variant and installation type

Motor	G, G1, G2				
	Installation type				
	D	K	H	P	S
1206_N_	X	X	-	-	X
1406_N_	X	X	-	-	X
1656_N_	X	X	-	-	X
1906_N_	X	X	-	-	X
2256_N_	X	X	-	-	X
2606_N_	X	X	-	-	X
3206_N_	X	X	-	-	X
3606_N_	X	X	-	-	X

Amarex KRT K 250-900, n = 960 rpm

Characteristic curves to ISO 9906 Class 2B, below 10 kW to § 4.4.2. n = nominal speed



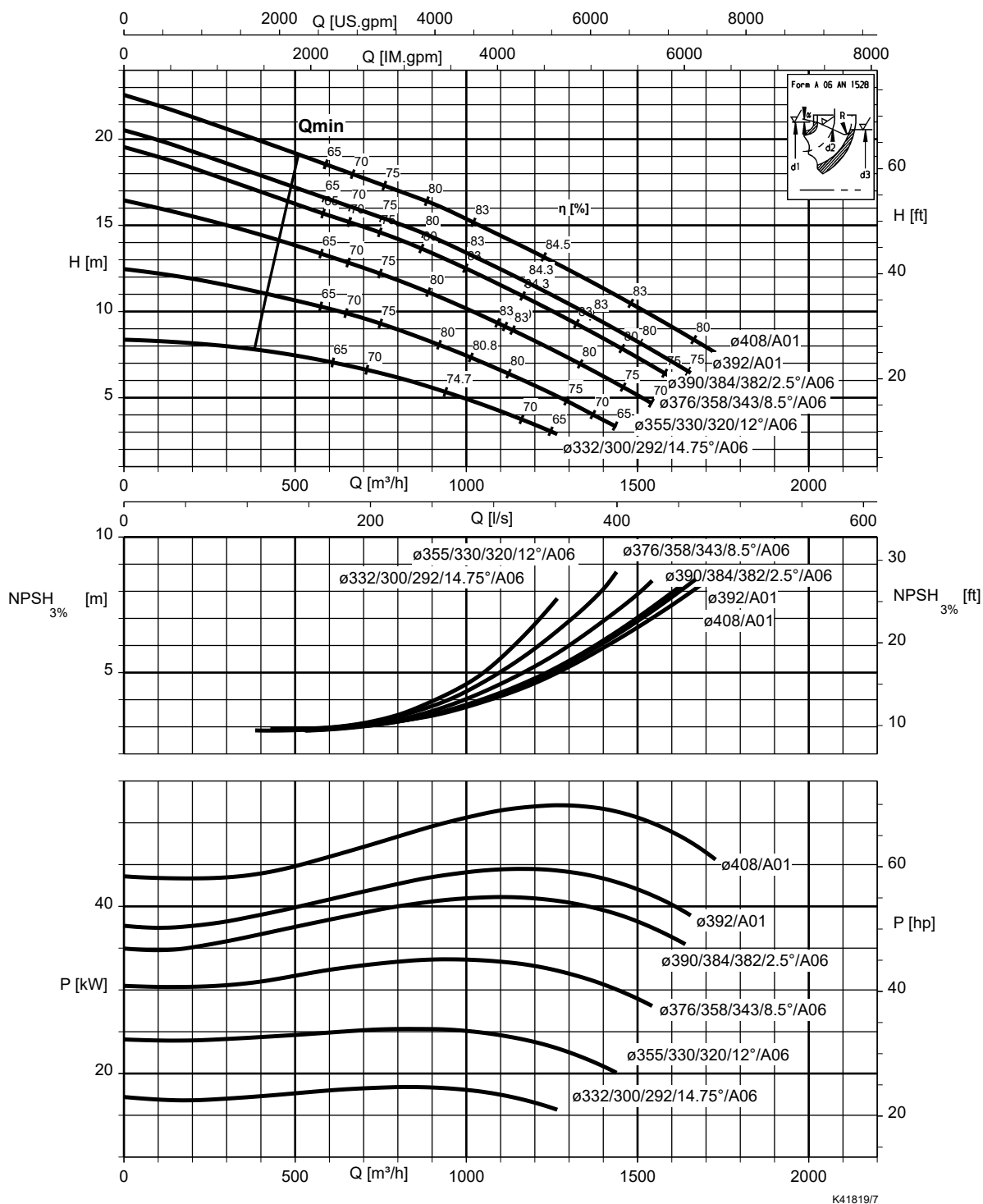
Free passage = 110 mm

Motor depending on material variant and installation type

Motor	G, G1, G2				
	Installation type				
	D	K	H	P	S
3206_N_	X	X	-	-	X
3606_N_	X	X	-	-	X
4006_N_	X	X	-	-	X
4406_N_	X	X	-	-	X
4806_N_	X	X	-	-	X
5306_N_	X	X	-	-	X
5806_N_	X	X	-	-	X
6306_N_	X	X	-	-	X
6906_N_	X	X	-	-	X
7706_N_	X	X	-	-	X

Amarex KRT K 300-400, n = 960 rpm

Characteristic curves to ISO 9906 Class 2B, below 10 kW to § 4.4.2. n = nominal speed



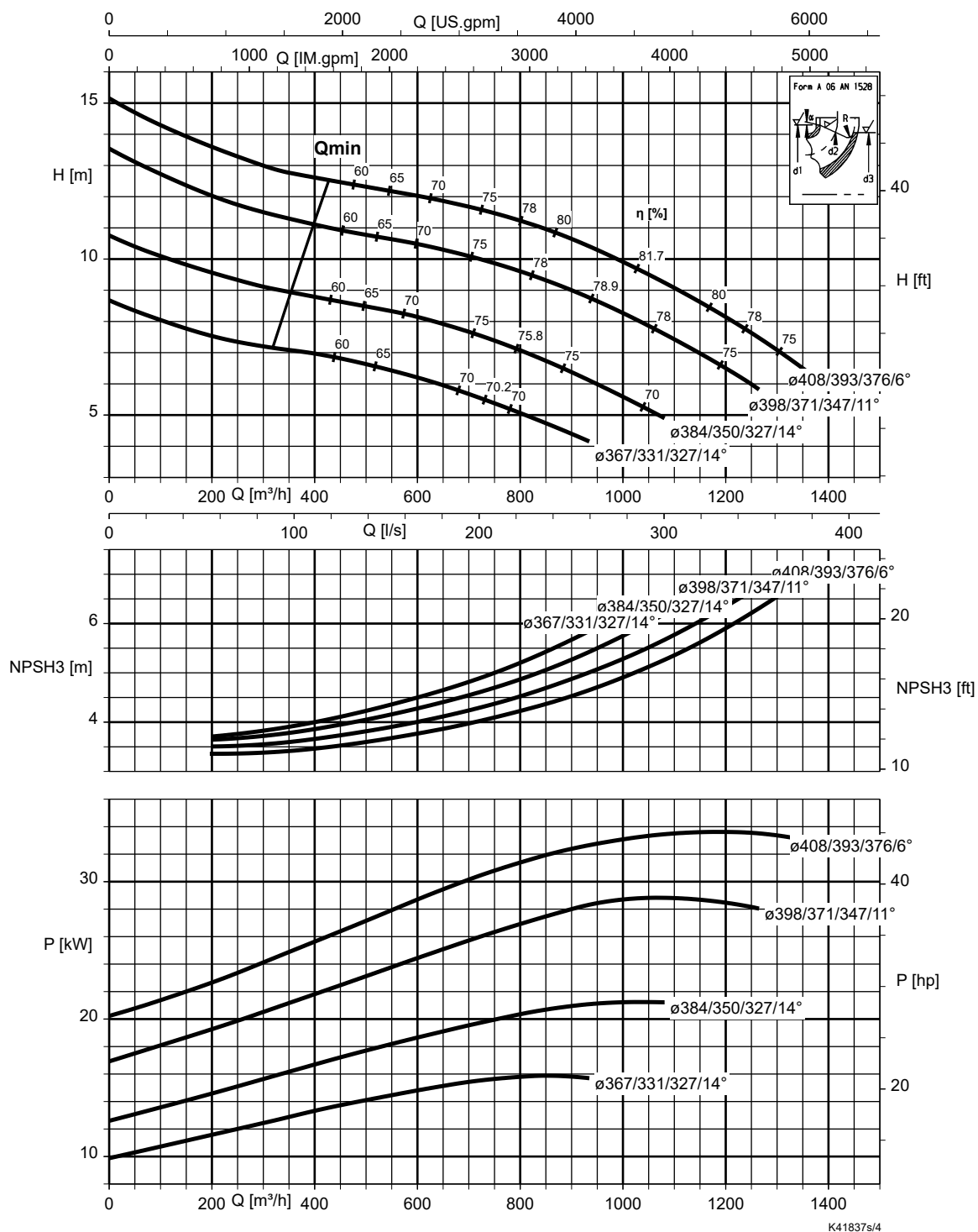
Free passage = 100 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH					C1, C2	
	Installation type					Installation type	
	D	K	H	P	S	P	S
226_E_	-	-	-	X	X	-	-
226_F_	X	X	X	-	-	-	-
306_E_	-	-	-	X	X	X	X
306_F_	X	X	X	-	-	-	-
316_E_	-	-	-	X	X	X	X
316_F_	X	X	X	-	-	-	-
376_E_	-	-	-	X	X	X	X
376_F_	X	X	X	-	-	-	-
456_E_	-	-	-	X	X	X	X
456_F_	X	X	X	-	-	-	-
556_E_	-	-	-	X	X	X	X
556_F_	X	X	X	-	-	-	-
606_N_	X	X	-	X	X	X	X
806_N_	X	X	-	X	X	X	X

Amarex KRT K 300-401, n = 960 rpm

Characteristic curves to ISO 9906 Class 2B, below 10 kW to § 4.4.2. n = nominal speed



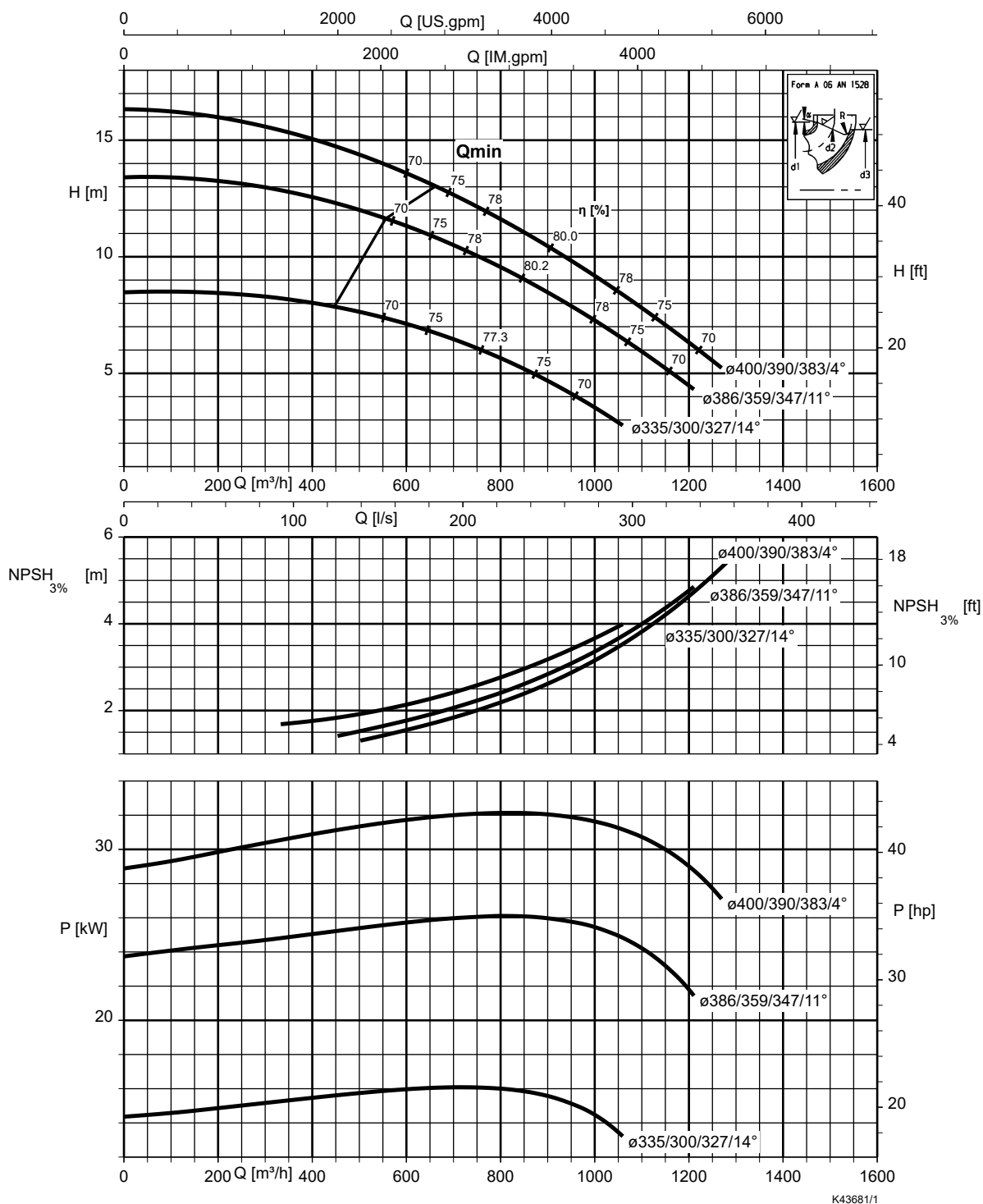
Free passage = 135 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH					C1, C2	
	Installation type					Installation type	
	D	K	H	P	S	P	S
226_E_	-	-	-	X	X	-	-
226_F_	X	X	X	-	-	-	-
306_E_	-	-	-	X	X	-	-
306_F_	X	X	X	-	-	-	-
316_E_	-	-	-	X	X	X	X
316_F_	X	X	X	-	-	-	-
376_E_	-	-	-	X	X	X	X
376_F_	X	X	X	-	-	-	-
456_E_	-	-	-	X	X	X	X
456_F_	X	X	X	-	-	-	-
556_E_	-	-	-	X	X	X	X
556_F_	X	X	X	-	-	-	-
806_F_	X	X	-	-	X	-	-
1006_F_	X	X	-	-	X	-	-

Amarex KRT K 300-403, n = 960 rpm

Characteristic curves to ISO 9906 Class 2B, below 10 kW to § 4.4.2. n = nominal speed



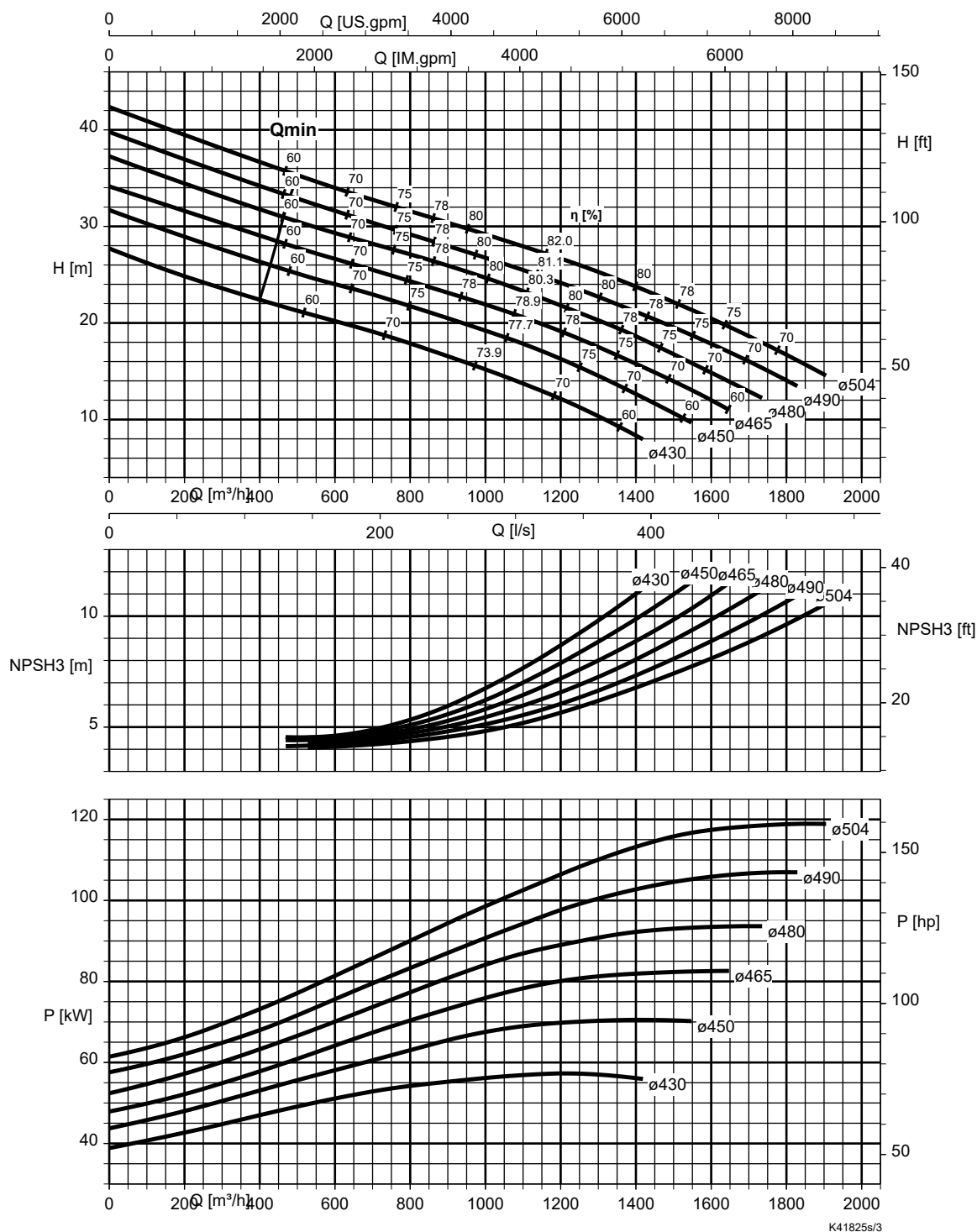
Free passage = 102 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH					C1, C2	
	Installation type					Installation type	
	D	K	H	P	S	P	S
226_E_	-	-	-	X	X	X	X
226_F_	X	X	X	-	-	-	-
306_E_	-	-	-	X	X	X	X
306_F_	X	X	X	-	-	-	-
316_E_	-	-	-	X	X	X	X
316_F_	X	X	X	-	-	-	-
376_E_	-	-	-	X	X	X	X
376_F_	X	X	X	-	-	-	-
456_E_	-	-	-	X	X	X	X
456_F_	X	X	X	-	-	-	-
556_E_	-	-	-	X	X	X	X
556_F_	X	X	X	-	-	-	-
606_N_	X	X	-	-	X	-	X
806_N_	X	X	-	-	X	-	X
1006_N_	X	X	-	-	X	-	X

Amarex KRT K 300-500, n = 960 rpm

Characteristic curves to ISO 9906 Class 2B, below 10 kW to § 4.4.2. n = nominal speed



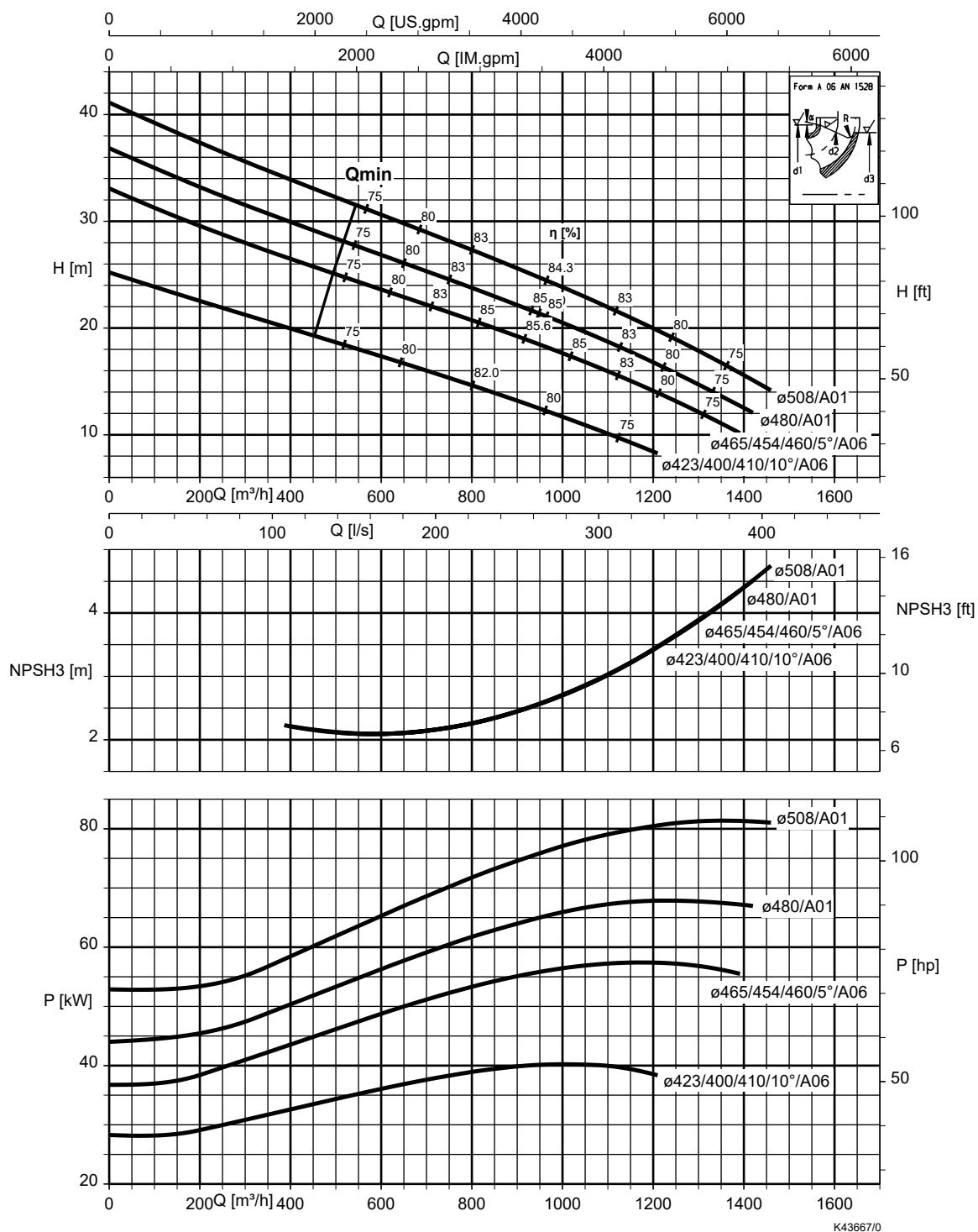
Free passage = 90 mm

Motor depending on material variant and installation type

Motor	G, G1, G2					C1, C2	
	Installation type					Installation type	
	D	K	H	P	S	P	S
606_N_	X	X	-	-	X	-	-
806_N_	X	X	-	-	X	-	X
1006_N_	X	X	-	-	X	-	X
1206_N_	X	X	-	-	X	-	X
1406_N_	X	X	-	-	X	-	X
1656_N_	X	X	-	-	X	-	X
1906_N_	-	-	-	-	-	-	X
2256_N_	-	-	-	-	-	-	X
2606_N_	-	-	-	-	-	-	X

Amarex KRT K 300-505, n = 960 rpm

Characteristic curves to ISO 9906 Class 2B, below 10 kW to § 4.4.2. n = nominal speed



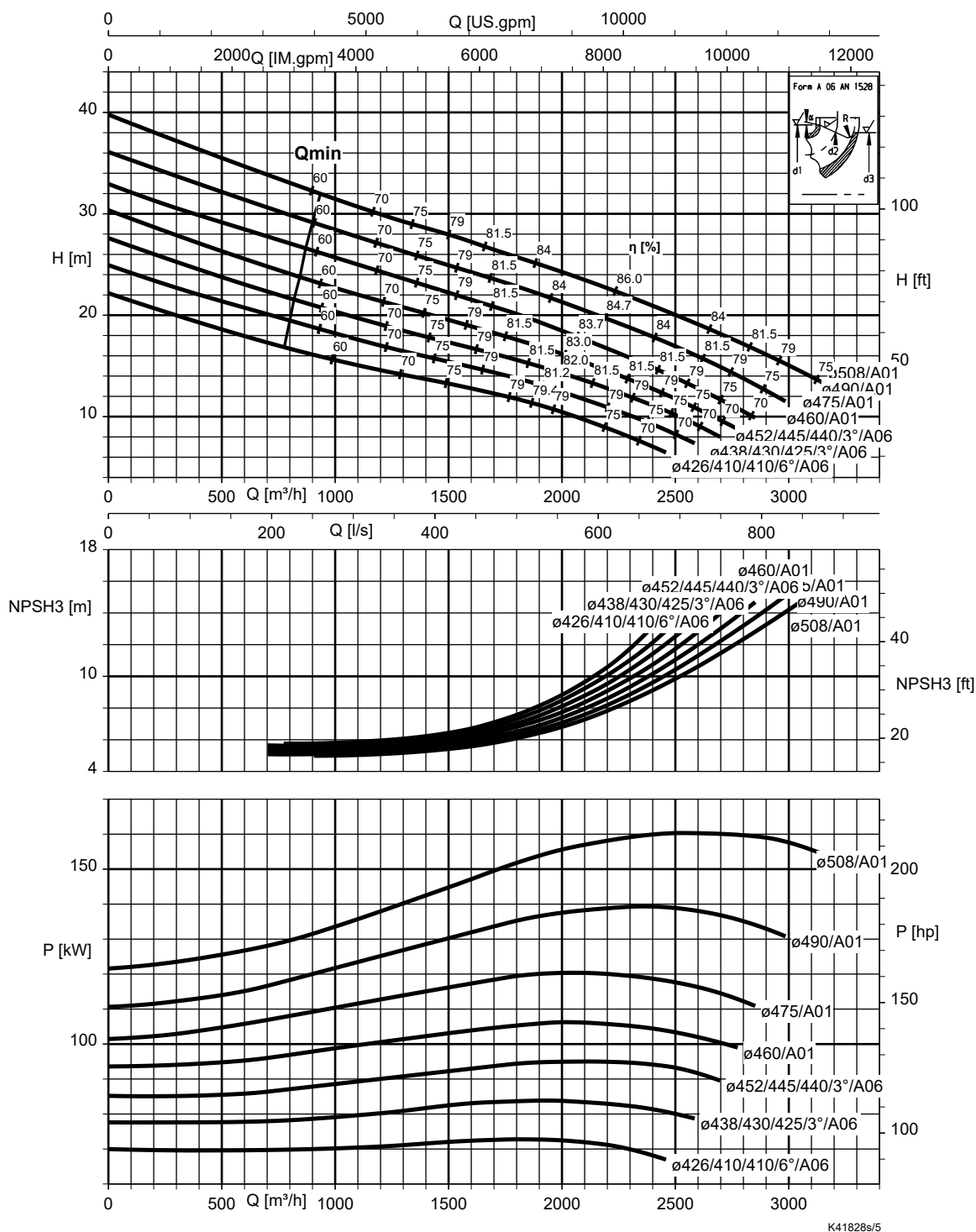
Free passage = 102 mm

Motor depending on material variant and installation type

Motor	G, G1, G2				
	Installation type				
	D	K	H	P	S
606_N_	X	X	-	-	X
806_N_	X	X	-	-	X
1006_N_	X	X	-	-	X
1206_N_	X	X	-	-	X
1406_N_	X	X	-	-	X
1656_N_	X	X	-	-	X
1906_N_	X	X	-	-	X
2256_N_	X	X	-	-	X
2606_N_	X	X	-	-	X

Amarex KRT K 350-500, n = 960 rpm

Characteristic curves to ISO 9906 Class 2B, below 10 kW to § 4.4.2. n = nominal speed



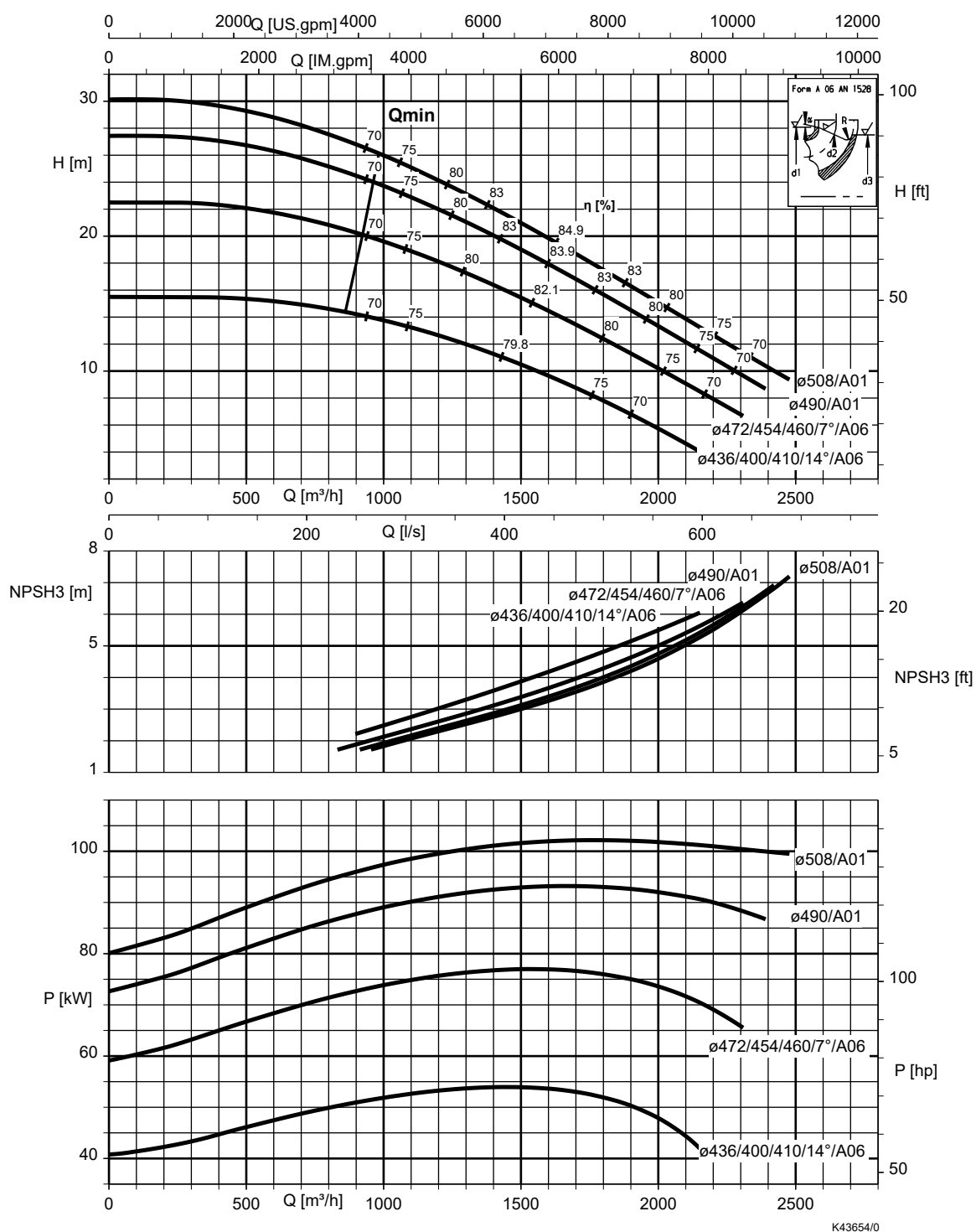
Free passage = 110 mm

Motor depending on material variant and installation type

Motor	G, G1, G2					C1, C2	
	Installation type					Installation type	
	D	K	H	P	S	P	S
806_N_	X	X	-	-	X	-	X
1006_N_	X	X	-	-	X	-	X
1206_N_	X	X	-	-	X	-	X
1406_N_	X	X	-	-	X	-	X
1656_N_	X	X	-	-	X	-	X
1906_N_	X	X	-	-	X	-	X
2256_N_	X	X	-	-	X	-	X

Amarex KRT K 350-503, n = 960 rpm

Characteristic curves to ISO 9906 Class 2B, below 10 kW to § 4.4.2. n = nominal speed



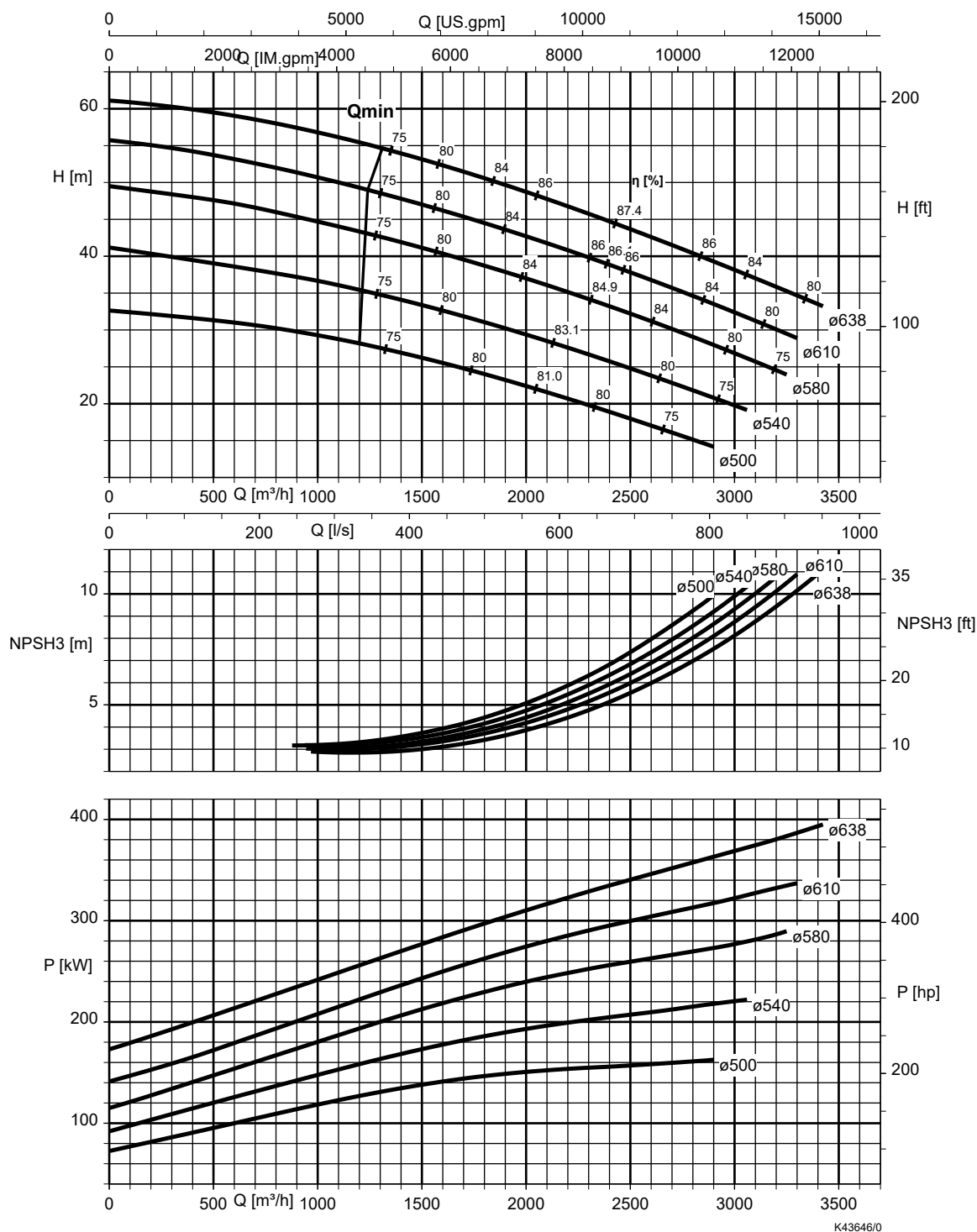
Free passage = 140 mm

Motor depending on material variant and installation type

Motor	G, G1				
	Installation type				
	D	K	H	P	S
606_N_	X	X	-	-	X
806_N_	X	X	-	-	X
1006_N_	X	X	-	-	X
1206_N_	X	X	-	-	X
1406_N_	X	X	-	-	X
1656_N_	X	X	-	-	X
1906_N_	X	X	-	-	X
2256_N_	X	X	-	-	X
2606_N_	X	X	-	-	X

Amarex KRT K 350-632, n = 960 rpm

Characteristic curves to ISO 9906 Class 2B, below 10 kW to § 4.4.2. n = nominal speed



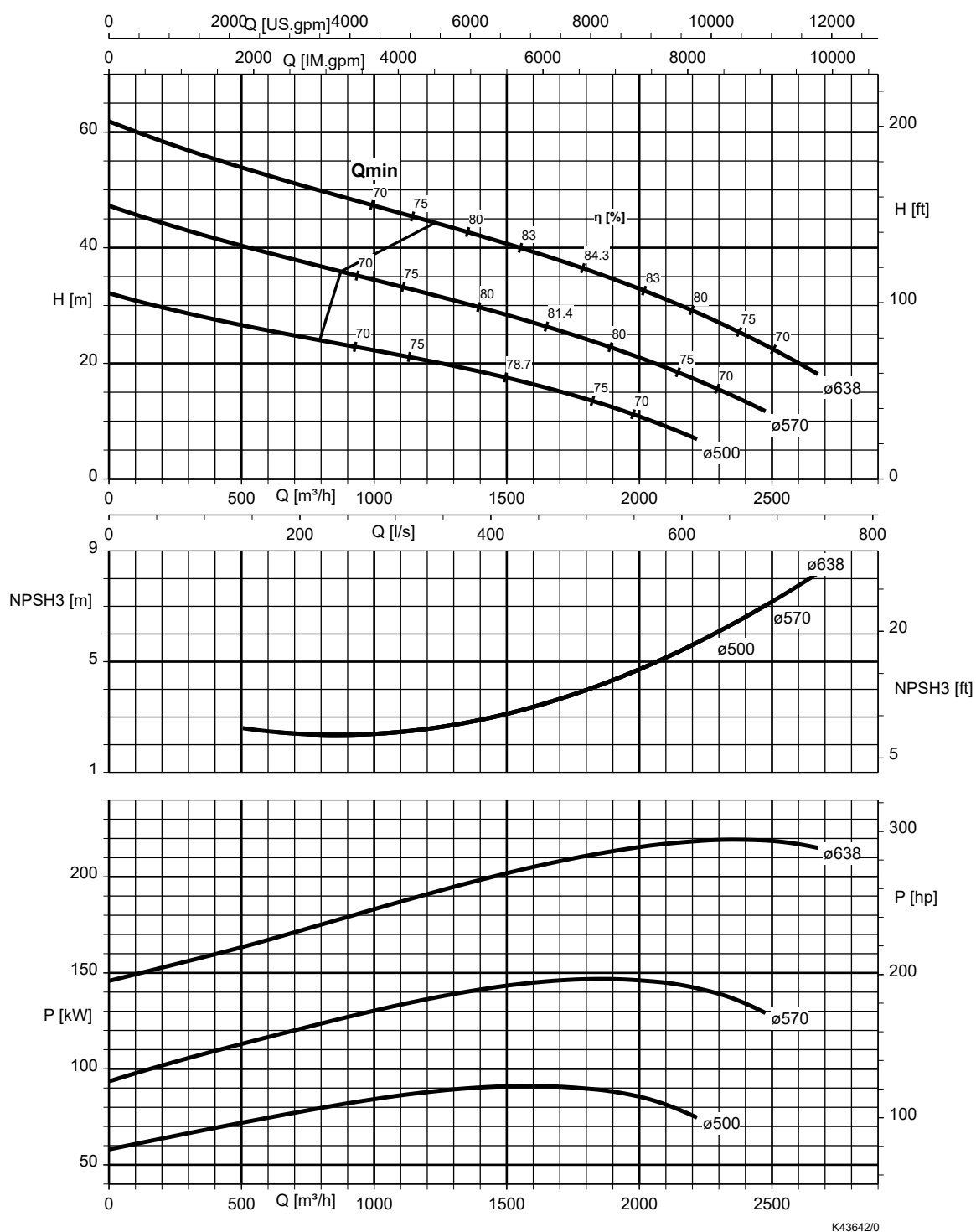
Free passage = 140 mm

Motor depending on material variant and installation type

Motor	G, G1, G2					C1, C2	
	Installation type					Installation type	
	D	K	H	P	S	P	S
1906_N_	X	X	-	-	X	-	X
2256_N_	X	X	-	-	X	-	X
2606_N_	X	X	-	-	X	-	X
3206_N_	X	X	-	-	X	-	X
3606_N_	X	X	-	-	X	-	X
4006_N_	X	X	-	-	X	-	X
4406_N_	X	X	-	-	X	-	X
4806_N_	X	X	-	-	X	-	X

Amarex KRT K 350-633, n = 960 rpm

Characteristic curves to ISO 9906 Class 2B, below 10 kW to § 4.4.2. n = nominal speed



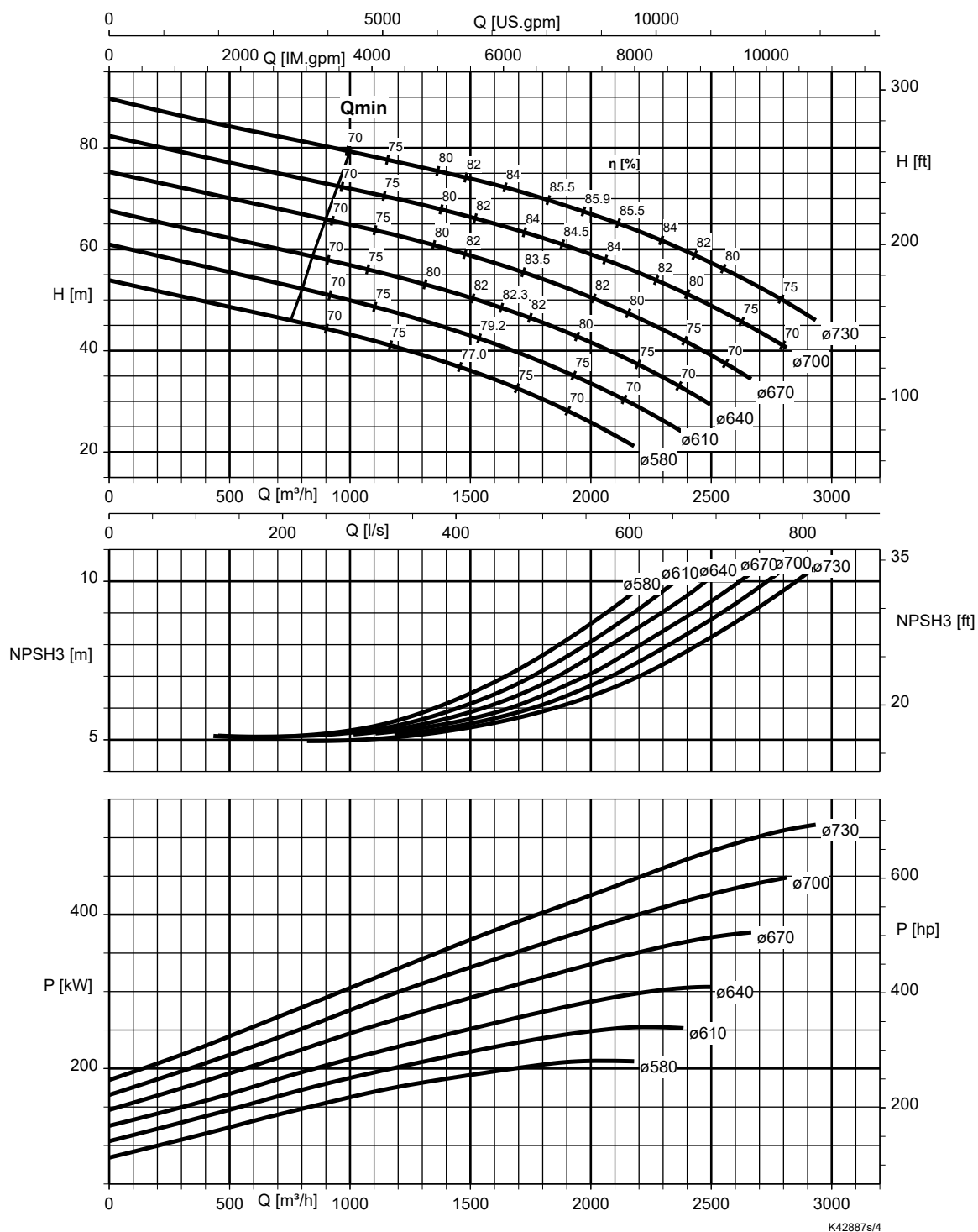
Free passage = 135 mm

Motor depending on material variant and installation type

Motor	G, G1, G2				
	Installation type				
	D	K	H	P	S
1206_N_	X	X	-	-	X
1406_N_	X	X	-	-	X
1656_N_	X	X	-	-	X
1906_N_	X	X	-	-	X
2256_N_	X	X	-	-	X
2606_N_	X	X	-	-	X
3206_N_	X	X	-	-	X
3606_N_	X	X	-	-	X
4006_N_	X	X	-	-	X
4406_N_	X	X	-	-	X
4806_N_	X	X	-	-	X

Amarex KRT K 350-710, n = 960 rpm

Characteristic curves to ISO 9906 Class 2B, below 10 kW to § 4.4.2. n = nominal speed



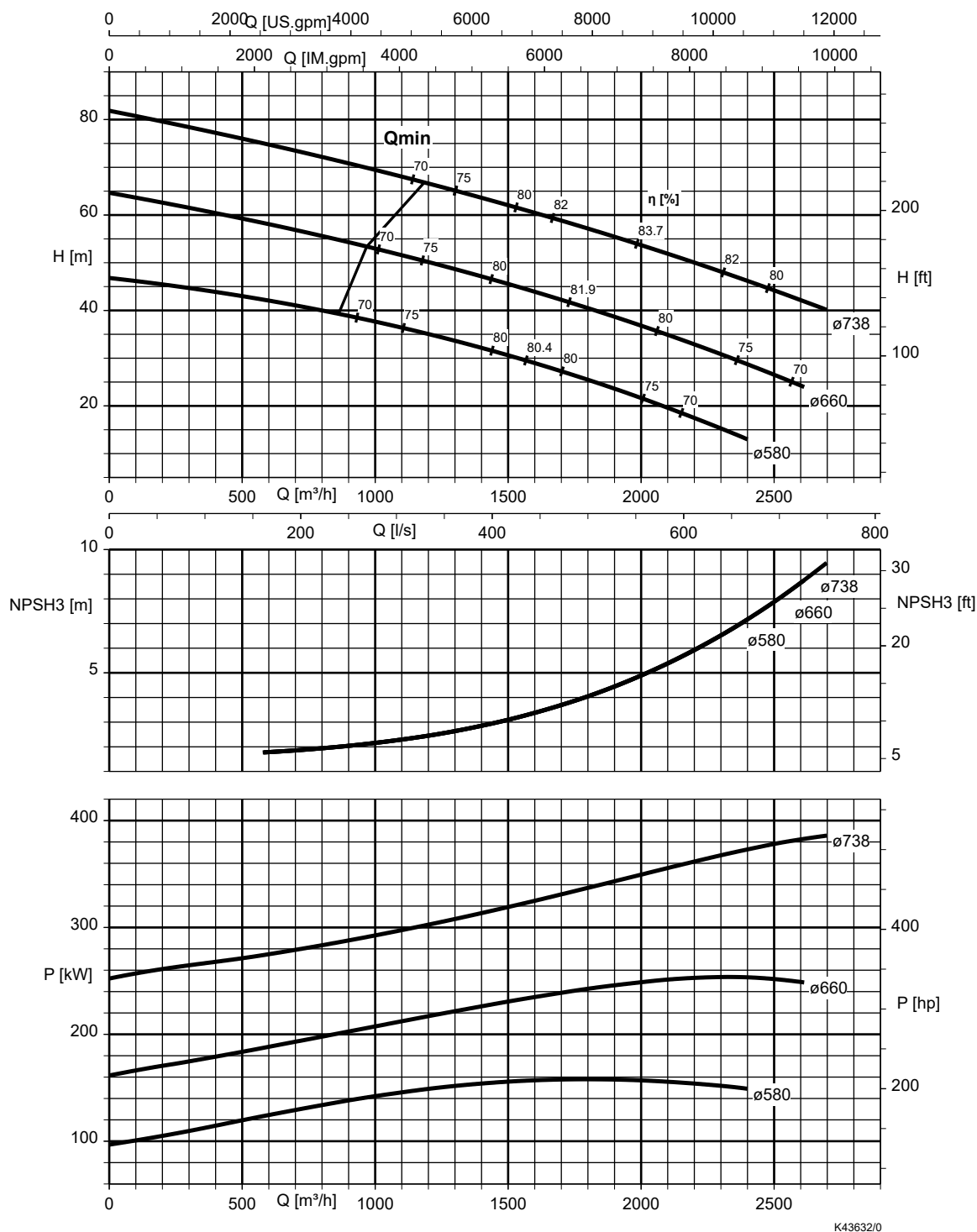
Free passage = 110 mm

Motor depending on material variant and installation type

Motor	G, G1, G2					C1, C2	
	Installation type					Installation type	
	D	K	H	P	S	P	S
3206_N_	X	X	-	-	X	-	X
3606_N_	X	X	-	-	X	-	X
4006_N_	X	X	-	-	X	-	X
4406_N_	X	X	-	-	X	-	X
4806_N_	X	X	-	-	X	-	X
5306_N_	X	X	-	-	X	-	-
5806_N_	X	X	-	-	X	-	-
6306_N_	X	X	-	-	X	-	-

Amarex KRT K 350-713, n = 960 rpm

Characteristic curves to ISO 9906 Class 2B, below 10 kW to § 4.4.2. n = nominal speed



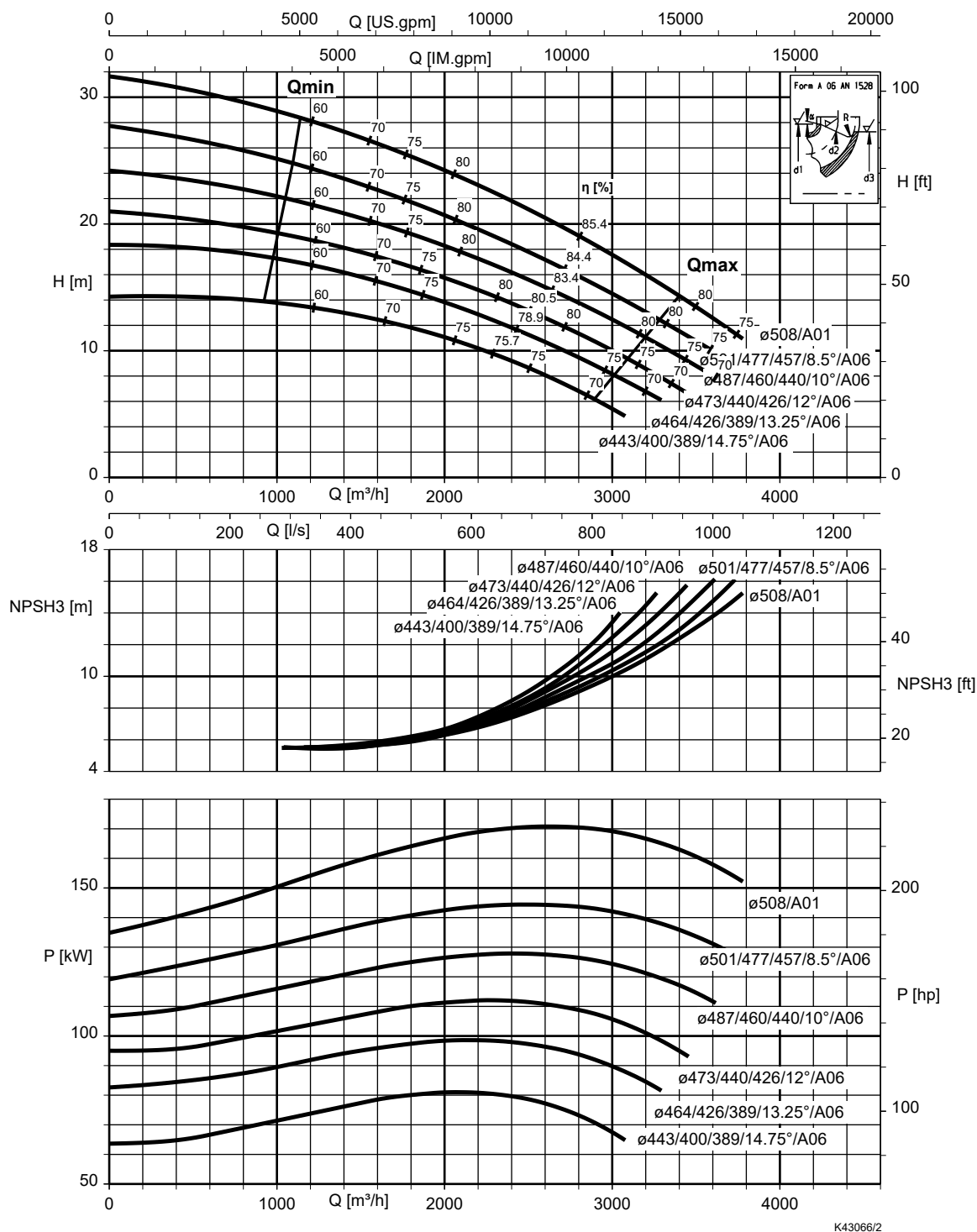
Free passage = 125 mm

Motor depending on material variant and installation type

Motor	G, G1, G2				
	Installation type				
	D	K	H	P	S
1906_N_	X	X	-	-	X
2256_N_	X	X	-	-	X
2606_N_	X	X	-	-	X
3206_N_	X	X	-	-	X
3606_N_	X	X	-	-	X
4006_N_	X	X	-	-	X
4406_N_	X	X	-	-	X
4806_N_	X	X	-	-	X

Amarex KRT K 400-500, n = 960 rpm

Characteristic curves to ISO 9906 Class 2B, below 10 kW to § 4.4.2. n = nominal speed



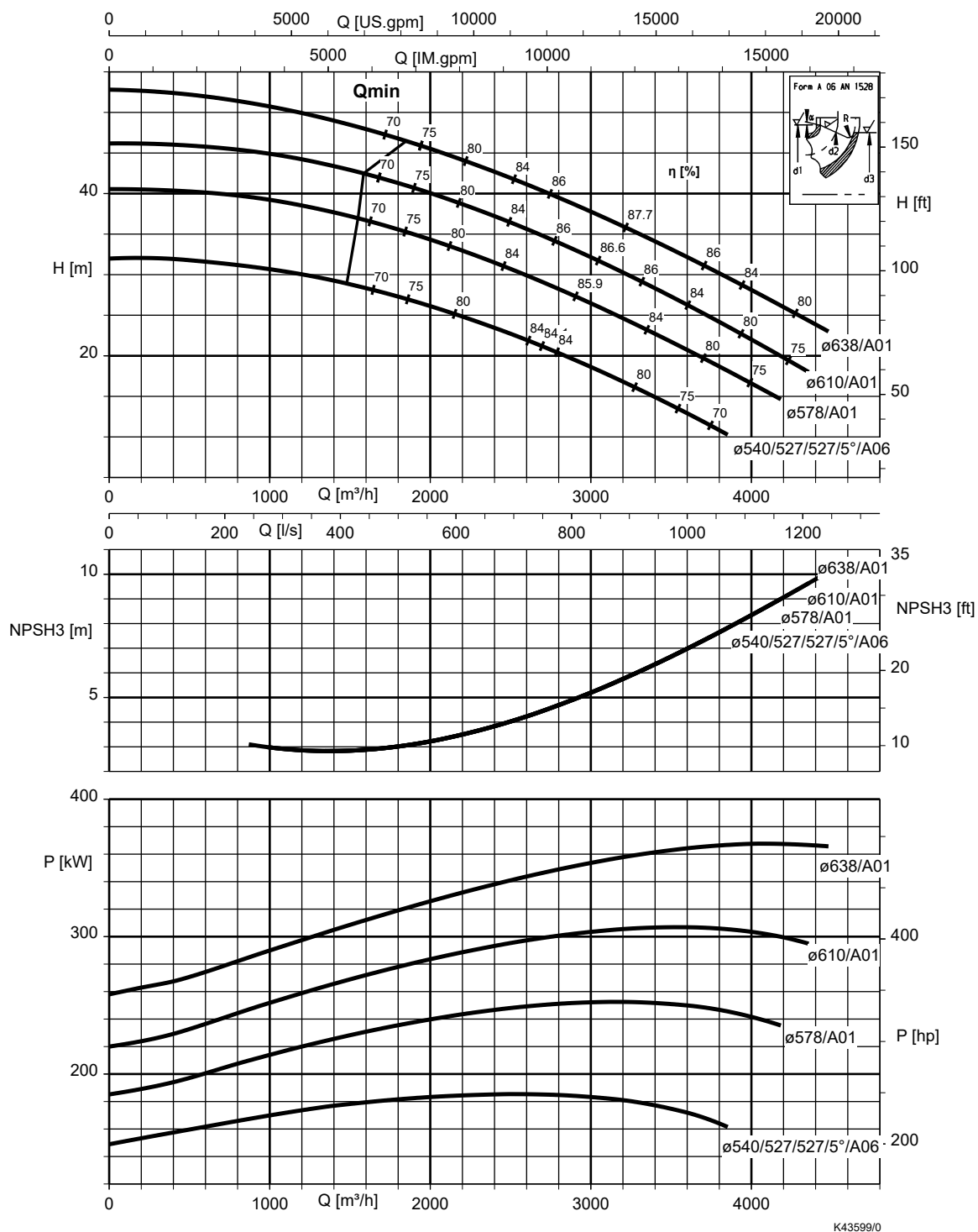
Free passage = 130 mm

Motor depending on material variant and installation type

Motor	G, G1, G2					C1, C2	
	Installation type					Installation type	
	D	K	H	P	S	P	S
806_N_	X	X	-	-	X	-	-
1006_N_	X	X	-	-	X	-	-
1206_N_	X	X	-	-	X	-	X
1406_N_	X	X	-	-	X	-	X
1656_N_	X	X	-	-	X	-	X
1906_N_	X	X	-	-	X	-	X
2256_N_	X	X	-	-	X	-	X
2606_N_	X	X	-	-	X	-	X

Amarex KRT K 400-632, n = 960 rpm

Characteristic curves to ISO 9906 Class 2B, below 10 kW to § 4.4.2. n = nominal speed



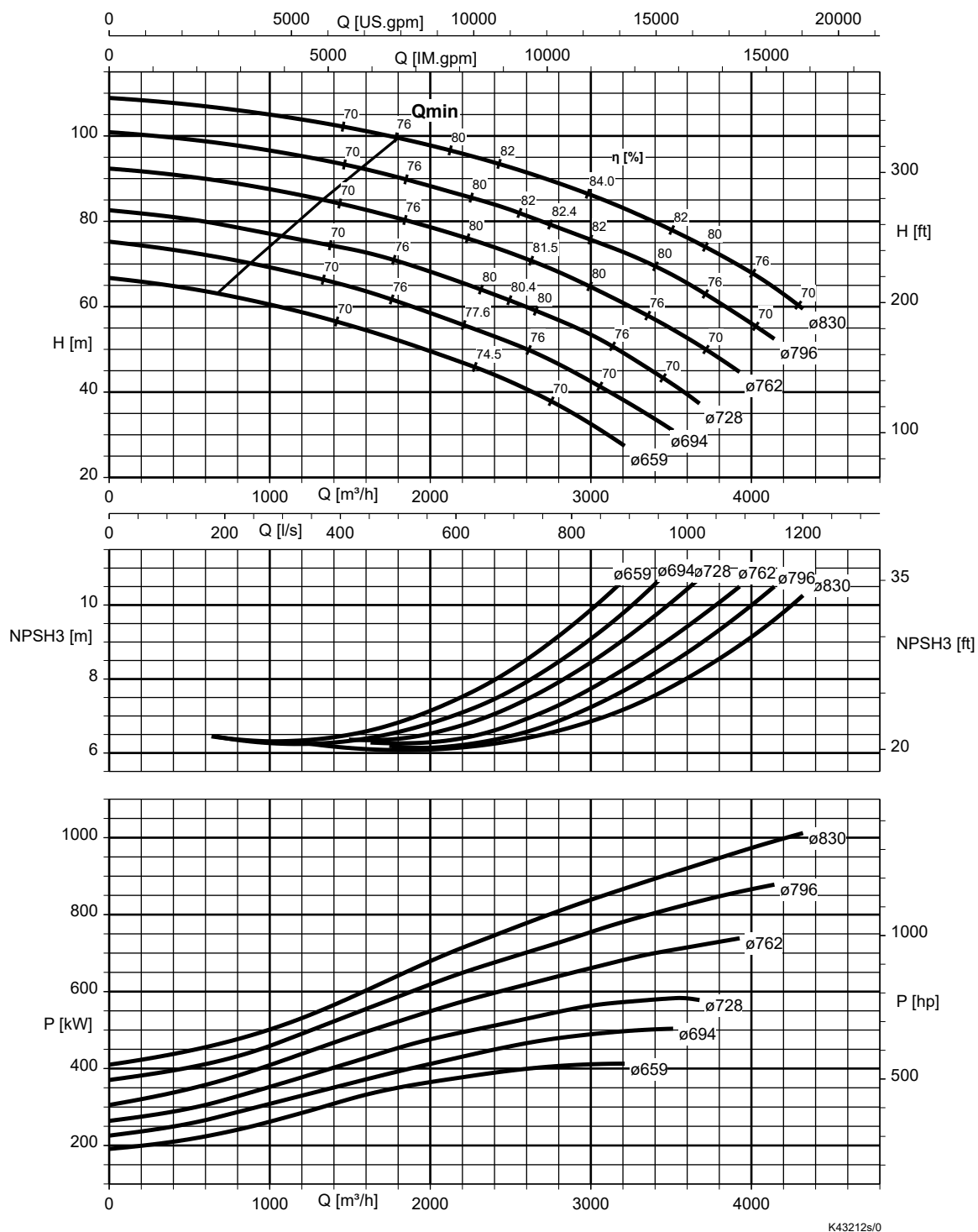
Free passage = 140 mm

Motor depending on material variant and installation type

Motor	G, G1, G2					C1, C2	
	Installation type					Installation type	
	D	K	H	P	S	P	S
2256_N_	X	X	-	-	X	-	-
2606_N_	X	X	-	-	X	-	-
3206_N_	X	X	-	-	X	-	X
3606_N_	X	X	-	-	X	-	X
4006_N_	X	X	-	-	X	-	X
4406_N_	X	X	-	-	X	-	X
4806_N_	X	X	-	-	X	-	X

Amarex KRT K 400-900, n = 960 rpm

Characteristic curves to ISO 9906 Class 2B, below 10 kW to § 4.4.2. n = nominal speed



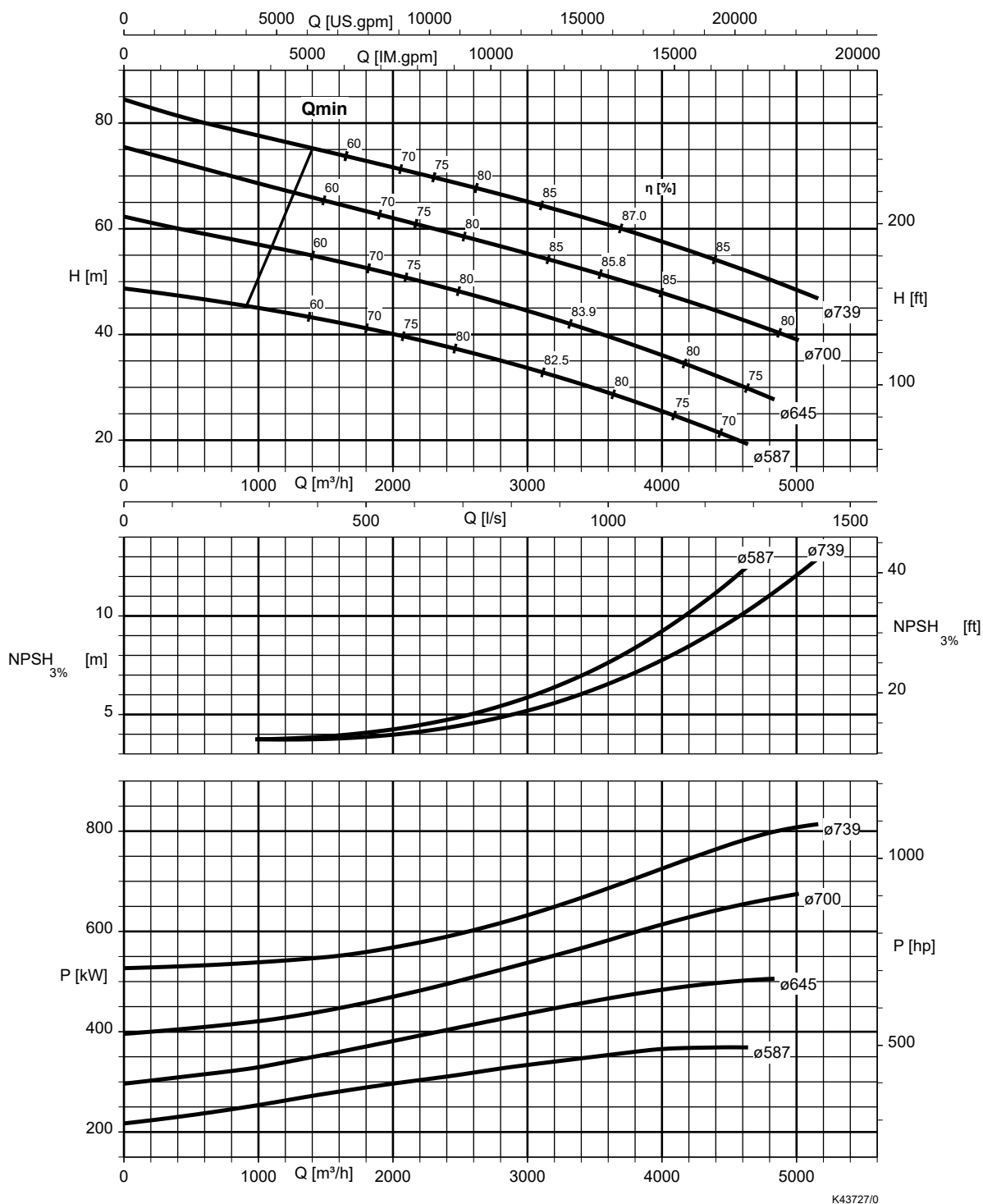
Free passage = 125 mm

Motor depending on material variant and installation type

Motor	G, G1, G2				
	Installation type				
	D	K	H	P	S
4006_N_	X	X	-	-	X
4406_N_	X	X	-	-	X
4806_N_	X	X	-	-	X
5306_N_	X	X	-	-	X
5806_N_	X	X	-	-	X
6306_N_	X	X	-	-	X
6906_N_	X	X	-	-	X
7706_N_	-	-	-	-	X

Amarex KRT K 401-710, n = 960 rpm

Characteristic curves to ISO 9906 Class 2B, below 10 kW to § 4.4.2. n = nominal speed



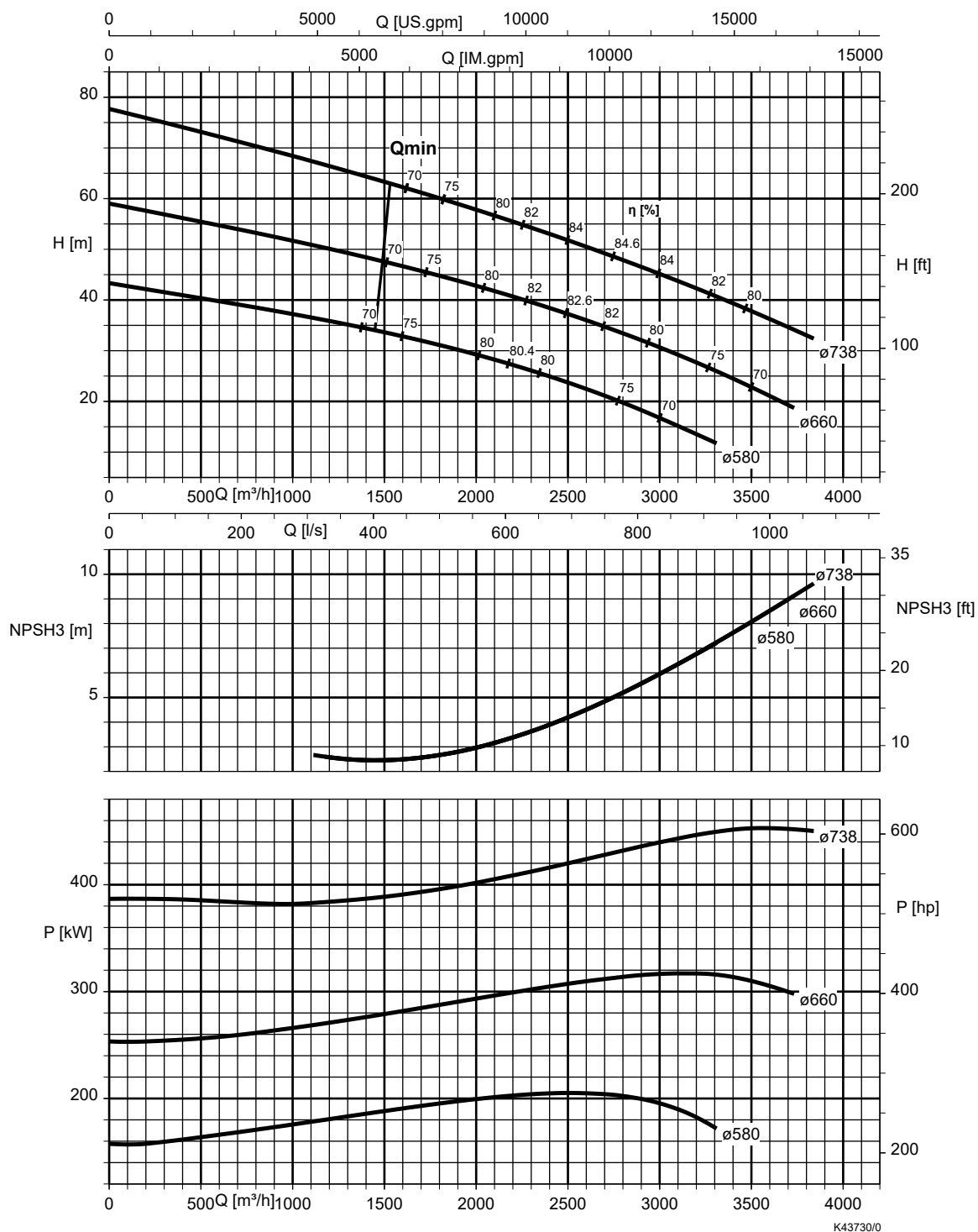
Free passage = 165 mm

Motor depending on material variant and installation type

Motor	G, G1, G2				
	Installation type				
	D	K	H	P	S
3206_N_	X	X	-	-	X
3606_N_	X	X	-	-	X
4006_N_	X	X	-	-	X
4406_N_	X	X	-	-	X
4806_N_	X	X	-	-	X
5306_N_	X	X	-	-	X
5806_N_	X	X	-	-	X
6306_N_	X	X	-	-	X
6906_N_	X	X	-	-	X
7706_N_	-	-	-	-	X

Amarex KRT K 401-713, n = 960 rpm

Characteristic curves to ISO 9906 Class 2B, below 10 kW to § 4.4.2. n = nominal speed



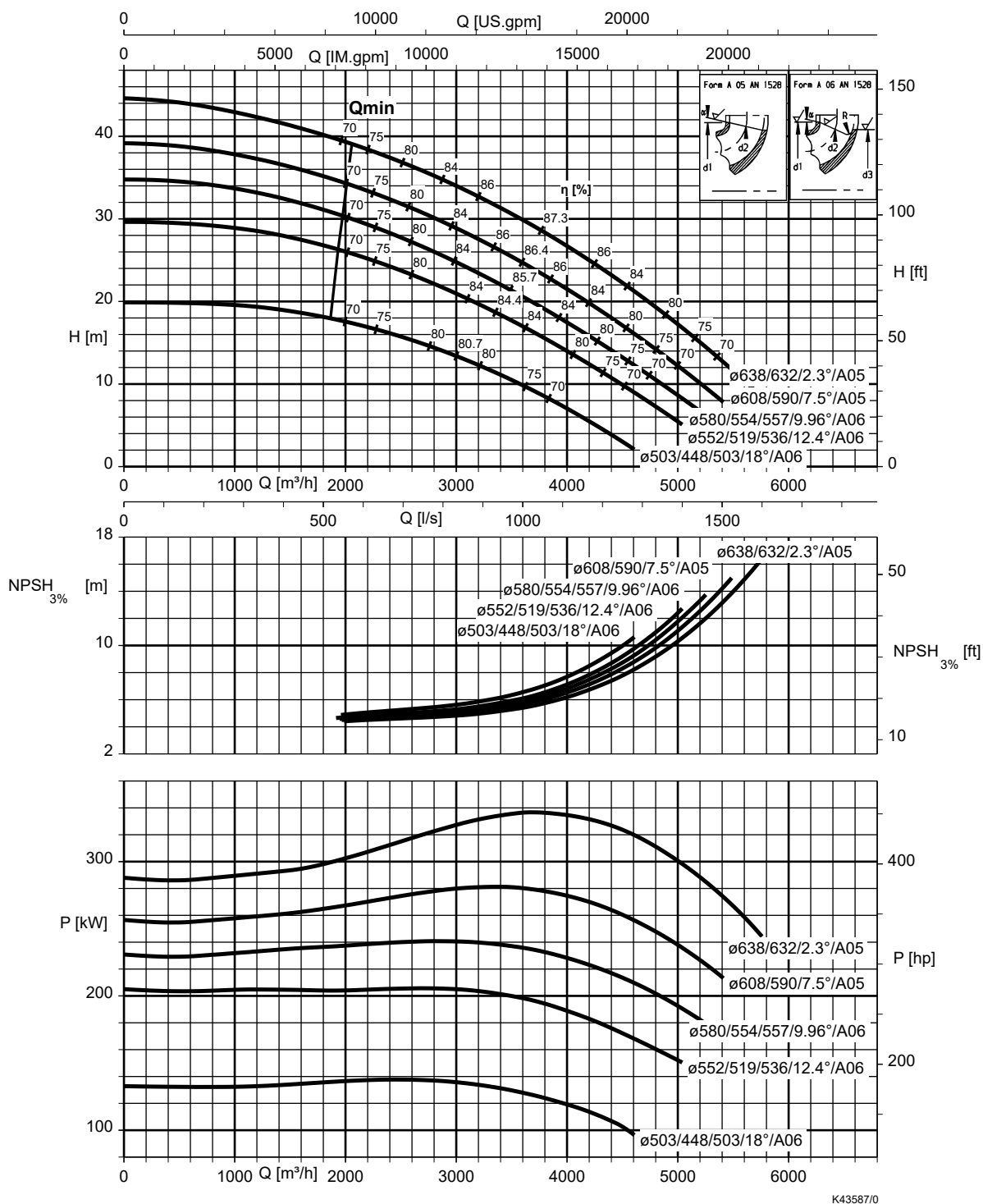
Free passage = 145 mm

Motor depending on material variant and installation type

Motor	G, G1, G2				
	Installation type				
	D	K	H	P	S
1906_N_	X	X	-	-	X
2256_N_	X	X	-	-	X
2606_N_	X	X	-	-	X
3206_N_	X	X	-	-	X
3606_N_	X	X	-	-	X
4006_N_	X	X	-	-	X
4406_N_	X	X	-	-	X
4806_N_	X	X	-	-	X
5306_N_	X	X	-	-	X
5806_N_	X	X	-	-	X
6306_N_	X	X	-	-	X
6906_N_	X	X	-	-	X
7706_N_	-	-	-	-	X
8506_N_	-	-	-	-	X

Amarex KRT K 500-634, n = 960 rpm

Characteristic curves to ISO 9906 Class 2B, below 10 kW to § 4.4.2. n = nominal speed



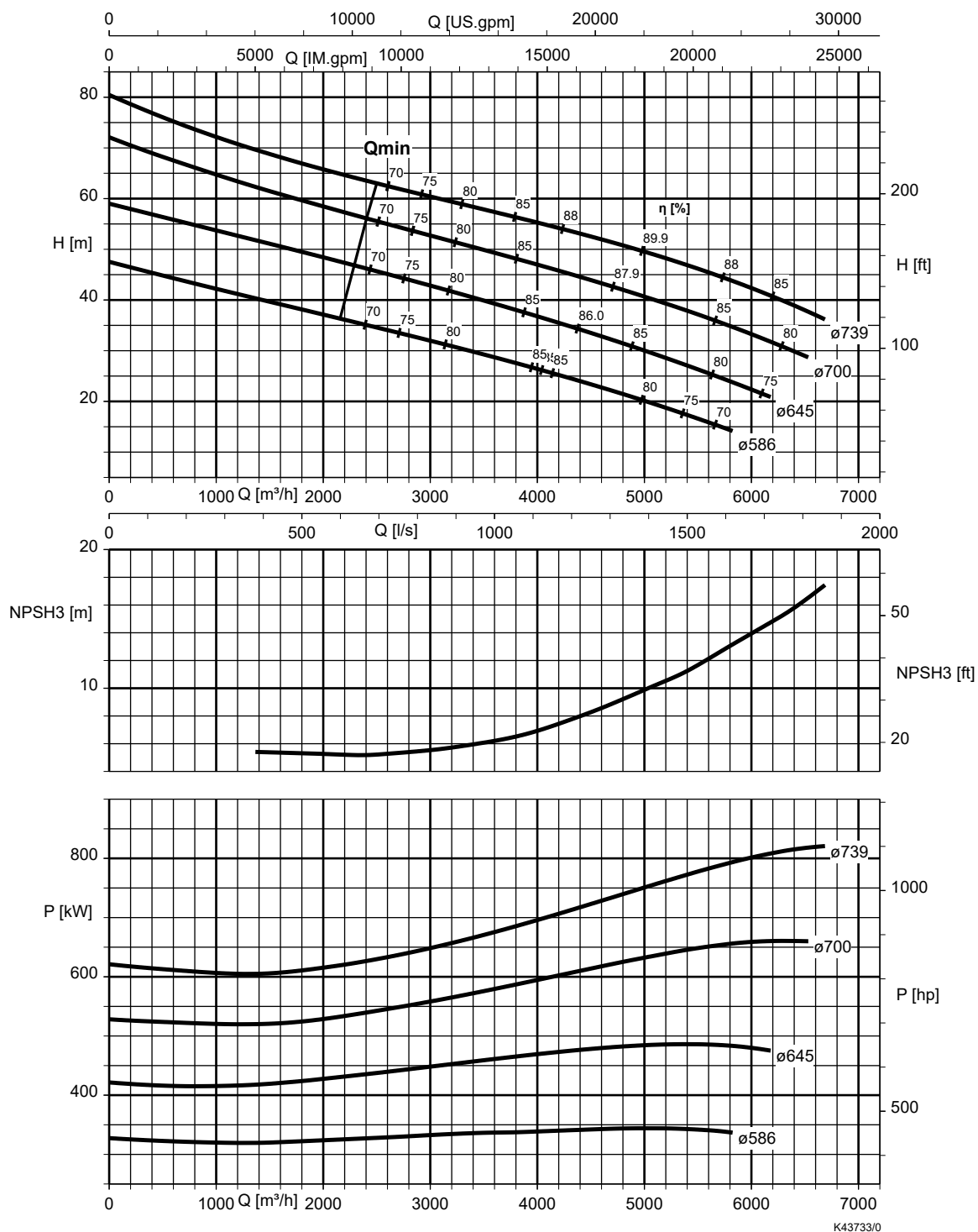
Free passage = 132 mm

Motor depending on material variant and installation type

Motor	G, G1, G2				
	Installation type				
	D	K	H	P	S
1656_N_	X	X	-	-	X
1906_N_	X	X	-	-	X
2256_N_	X	X	-	-	X
2606_N_	X	X	-	-	X
3206_N_	X	X	-	-	X
3606_N_	X	X	-	-	X
4006_N_	X	X	-	-	-
4406_N_	X	X	-	-	X

Amarex KRT K 501-710, n = 960 rpm

Characteristic curves to ISO 9906 Class 2B, below 10 kW to § 4.4.2. n = nominal speed



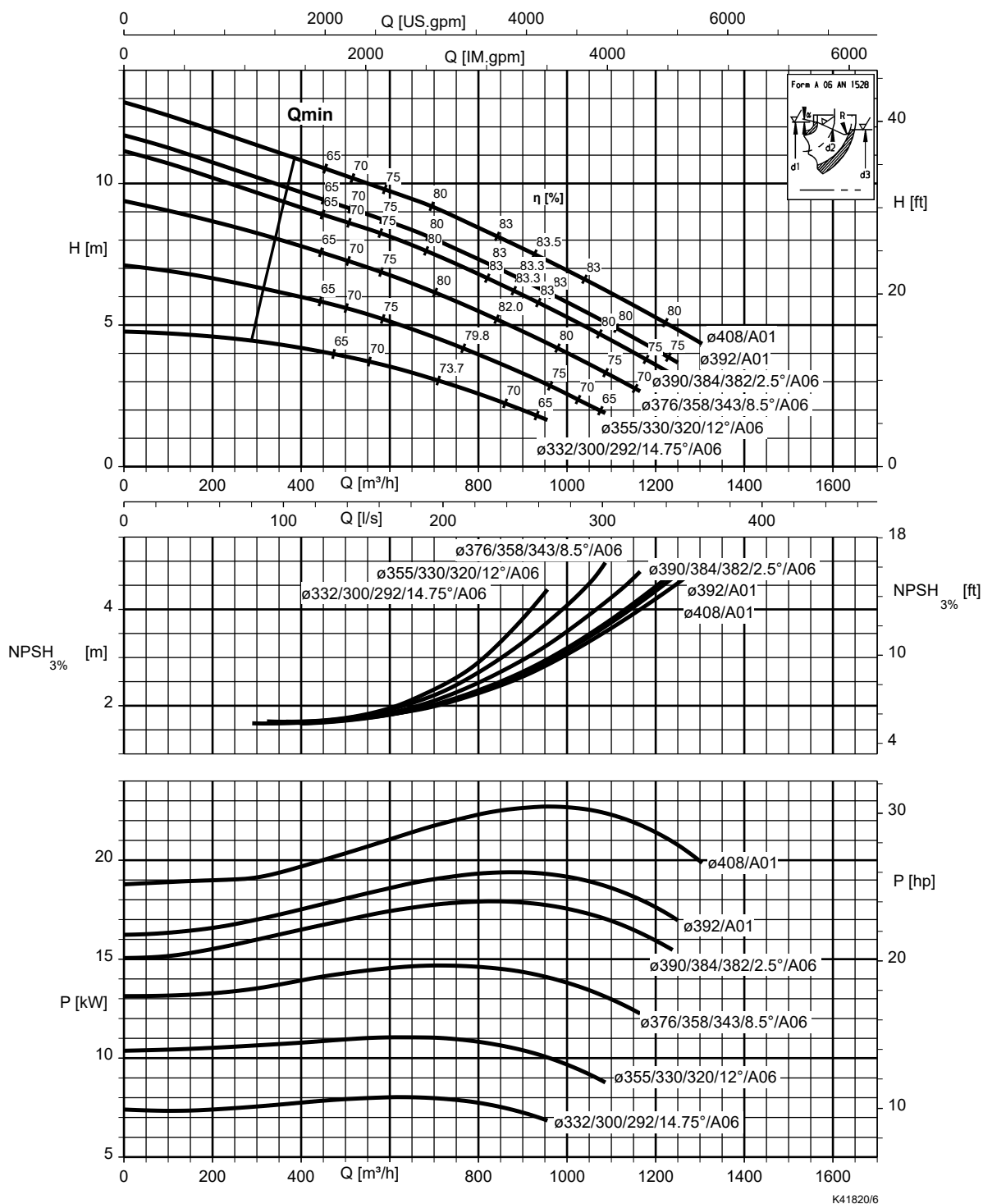
Free passage = 150 mm

Motor depending on material variant and installation type

Motor	G, G1, G2				
	Installation type				
	D	K	H	P	S
4006_N_	X	X	-	-	X
4406_N_	X	X	-	-	X
4806_N_	X	X	-	-	X
5306_N_	X	X	-	-	X
5806_N_	X	X	-	-	X
6306_N_	X	X	-	-	X
6906_N_	X	X	-	-	X
7706_N_	-	-	-	-	X

Amarex KRT K 300-400, n = 725 rpm

Characteristic curves to ISO 9906 Class 2B, below 10 kW to § 4.4.2. n = nominal speed



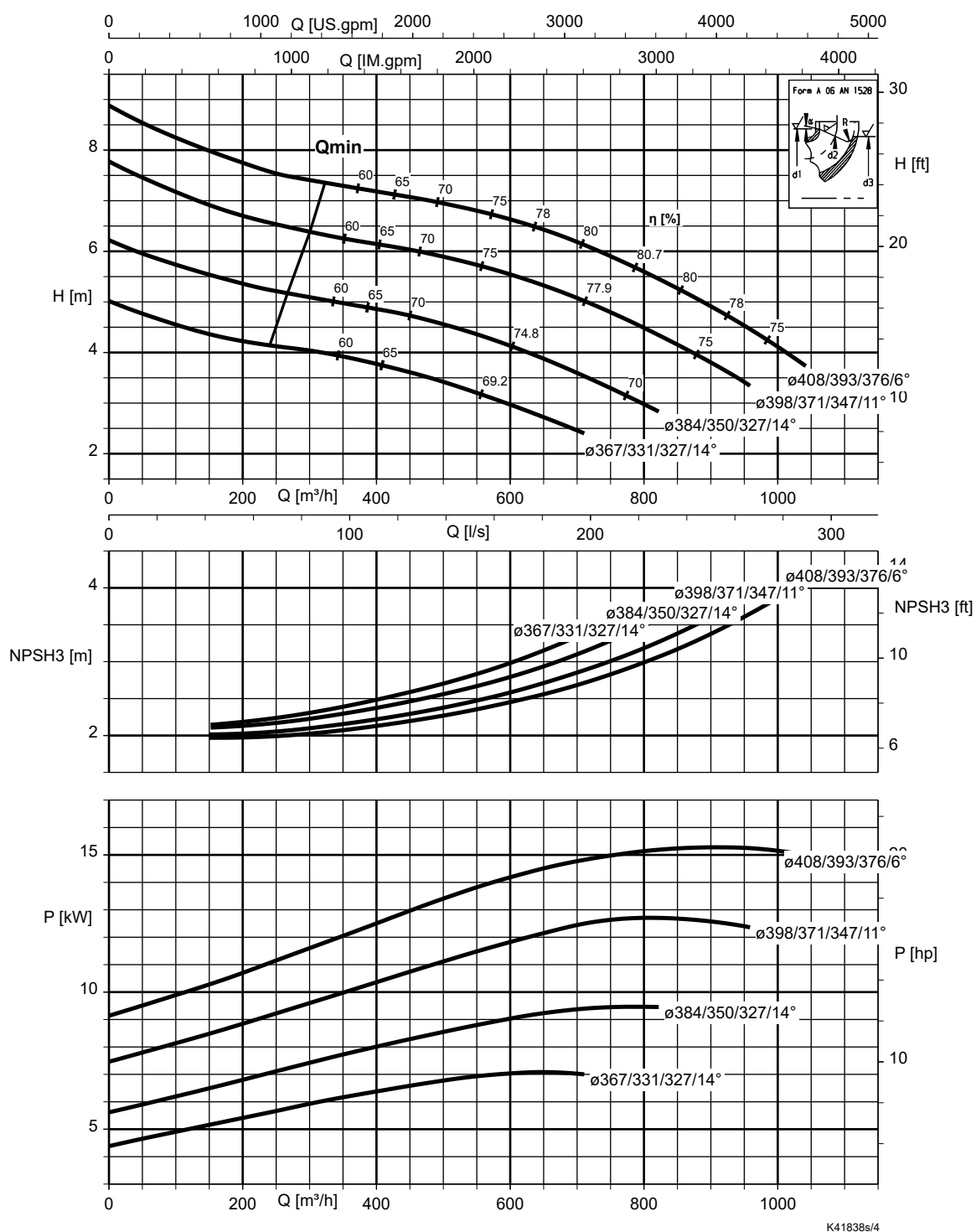
Free passage = 100 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH					C1, C2	
	Installation type					Installation type	
	D	K	H	P	S	P	S
118_E_	-	-	-	X	X	X	X
158_E_	-	-	-	X	X	X	X
158_F_	X	X	X	-	-	-	-
188_E_	-	-	-	X	X	X	X
188_F_	X	X	X	-	-	-	X
228_E_	-	-	-	X	X	X	X
228_F_	X	X	X	-	-	-	-
308_E_	-	-	-	X	X	X	X
308_F_	X	X	X	-	-	-	-
378_E_	-	-	-	X	X	X	X
378_F_	X	X	X	-	-	-	-
458_E_	-	-	-	X	X	X	X
458_F_	X	X	X	-	-	-	-

Amarex KRT K 300-401, n = 725 rpm

Characteristic curves to ISO 9906 Class 2B, below 10 kW to § 4.4.2. n = nominal speed



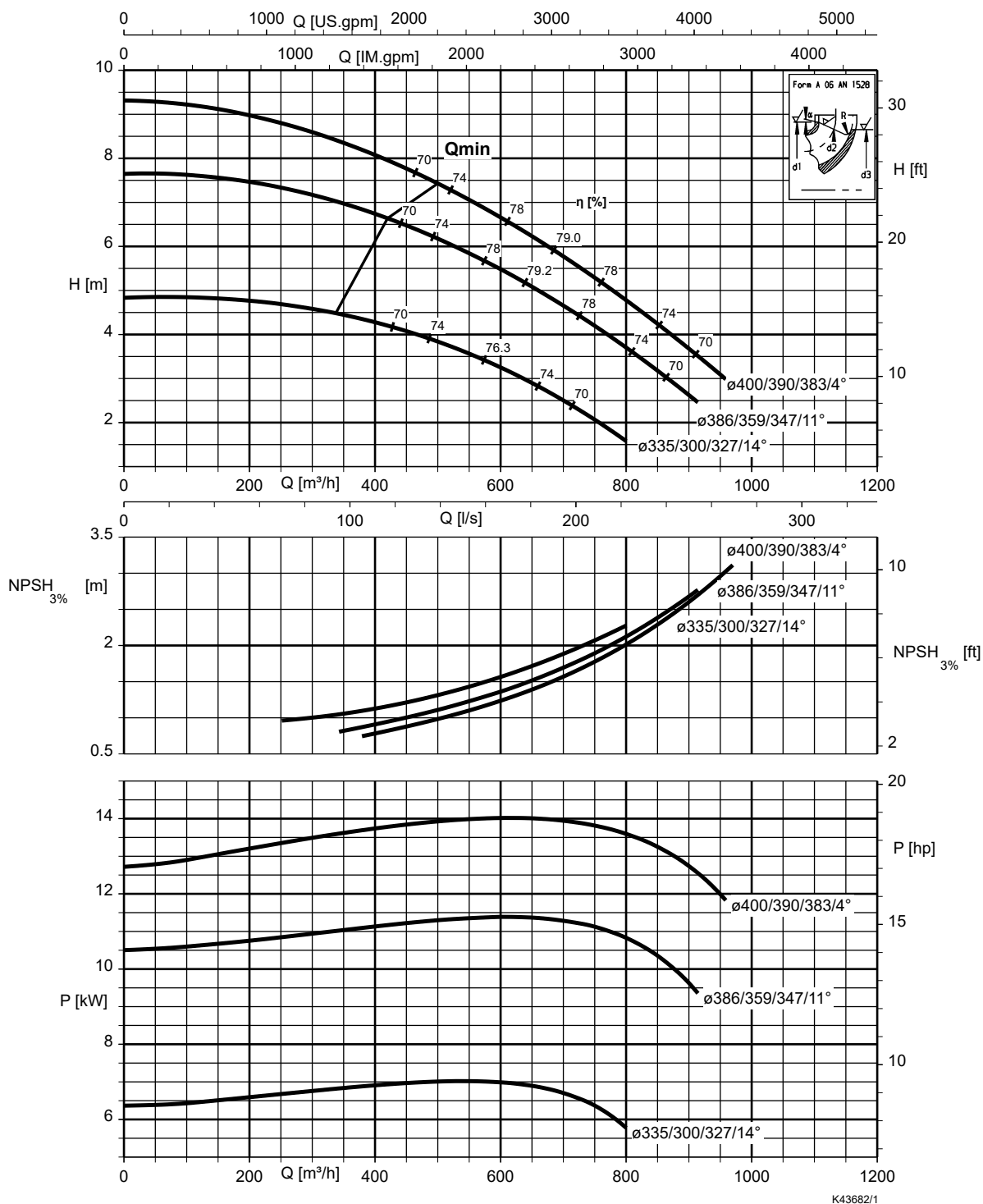
Free passage = 135 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH					C1, C2	
	Installation type					Installation type	
	D	K	H	P	S	P	S
118_E_	-	-	-	X	X	X	X
158_E_	-	-	-	X	X	X	X
158_F_	X	X	X	-	-	-	-
188_E_	-	-	-	X	X	X	X
188_F_	X	X	X	-	-	-	X
228_E_	-	-	-	X	X	X	X
228_F_	X	X	X	-	-	-	-
308_E_	-	-	-	X	X	X	X
308_F_	X	X	X	-	-	-	-
378_E_	-	-	-	X	X	X	X
378_F_	X	X	X	-	-	-	-
458_E_	-	-	-	X	X	X	X
458_F_	X	X	X	-	-	-	-

Amarex KRT K 300-403, n = 725 rpm

Characteristic curves to ISO 9906 Class 2B, below 10 kW to § 4.4.2. n = nominal speed



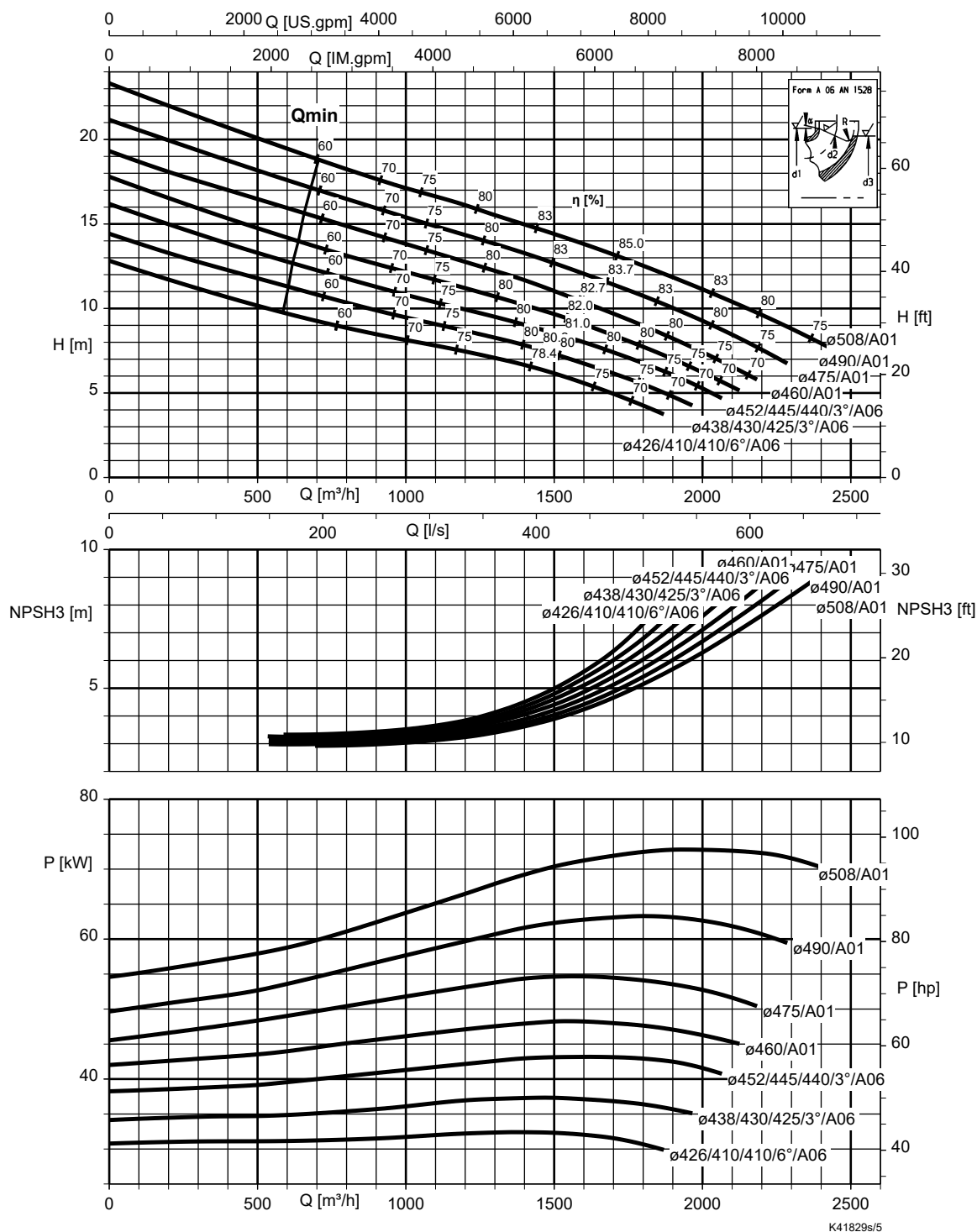
Free passage = 102 mm

Motor depending on material variant and installation type

Motor	G, G1, G2, GH					C1, C2	
	Installation type					Installation type	
	D	K	H	P	S	P	S
118_E_	-	-	-	X	X	X	X
158_E_	-	-	-	X	X	X	X
158_F_	X	X	X	-	-	-	-
188_E_	-	-	-	X	X	X	X
188_F_	X	X	X	-	-	-	-
228_E_	-	-	-	X	X	X	X
228_F_	X	X	X	-	-	-	-
308_E_	-	-	-	X	X	X	X
308_F_	X	X	X	-	-	-	-
378_E_	-	-	-	X	X	X	X
378_F_	X	X	X	-	-	-	-
458_E_	-	-	-	X	X	X	X
458_F_	X	X	X	-	-	-	-
508_N_	X	X	-	-	X	-	X
658_N_	-	-	-	-	X	-	X
758_N_	X	X	-	-	X	-	X

Amarex KRT K 350-500, n = 725 rpm

Characteristic curves to ISO 9906 Class 2B, below 10 kW to § 4.4.2. n = nominal speed



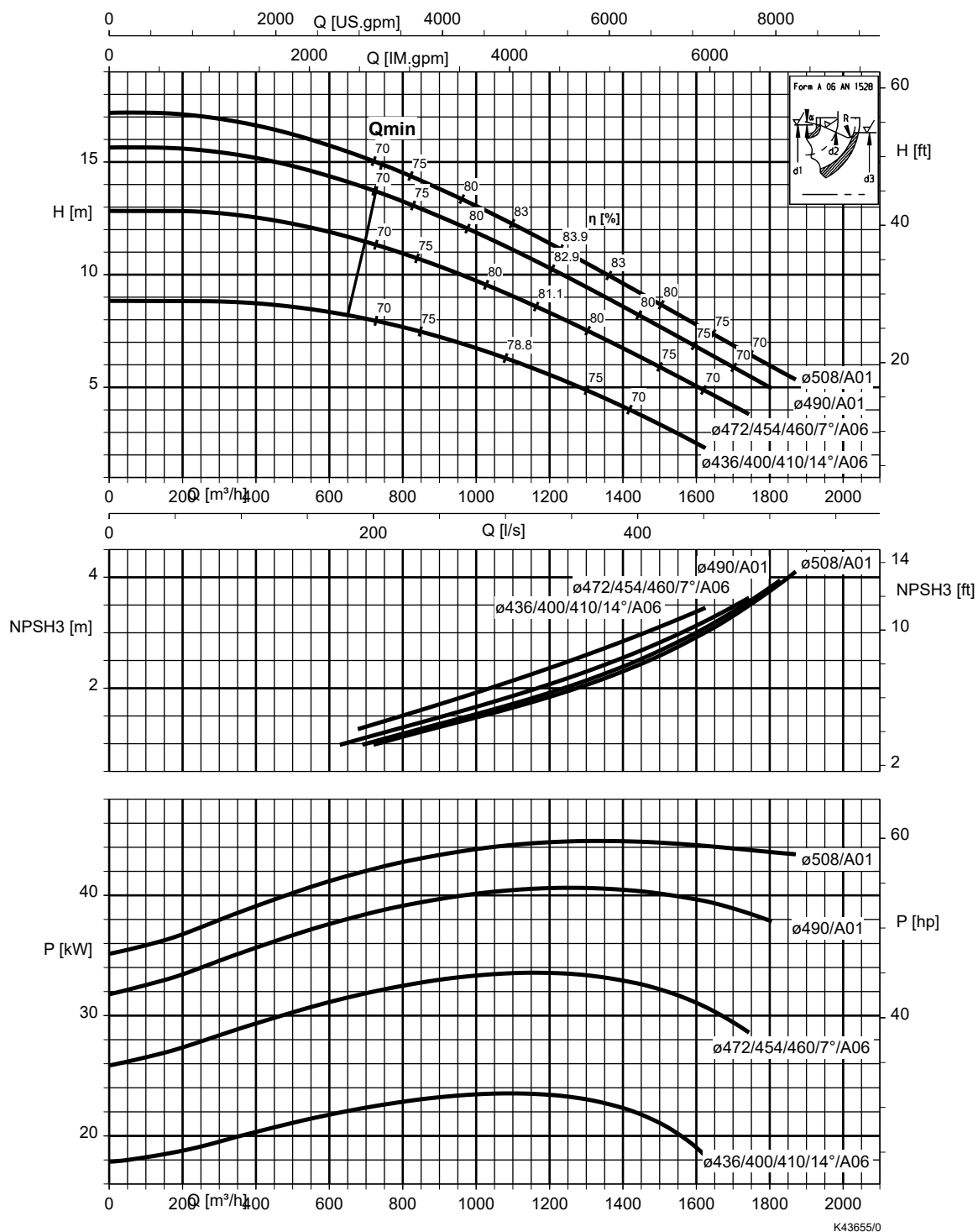
Free passage = 110 mm

Motor depending on material variant and installation type

Motor	G, G1, G2					C1, C2	
	Installation type					Installation type	
	D	K	H	P	S	P	S
508_N_	X	X	-	-	X	-	X
658_N_	-	-	-	-	X	-	X
758_N_	X	X	-	-	X	-	X
908_N_	X	X	-	-	X	-	X
1108_N_	X	X	-	-	X	-	X

Amarex KRT K 350-503, n = 725 rpm

Characteristic curves to ISO 9906 Class 2B, below 10 kW to § 4.4.2. n = nominal speed



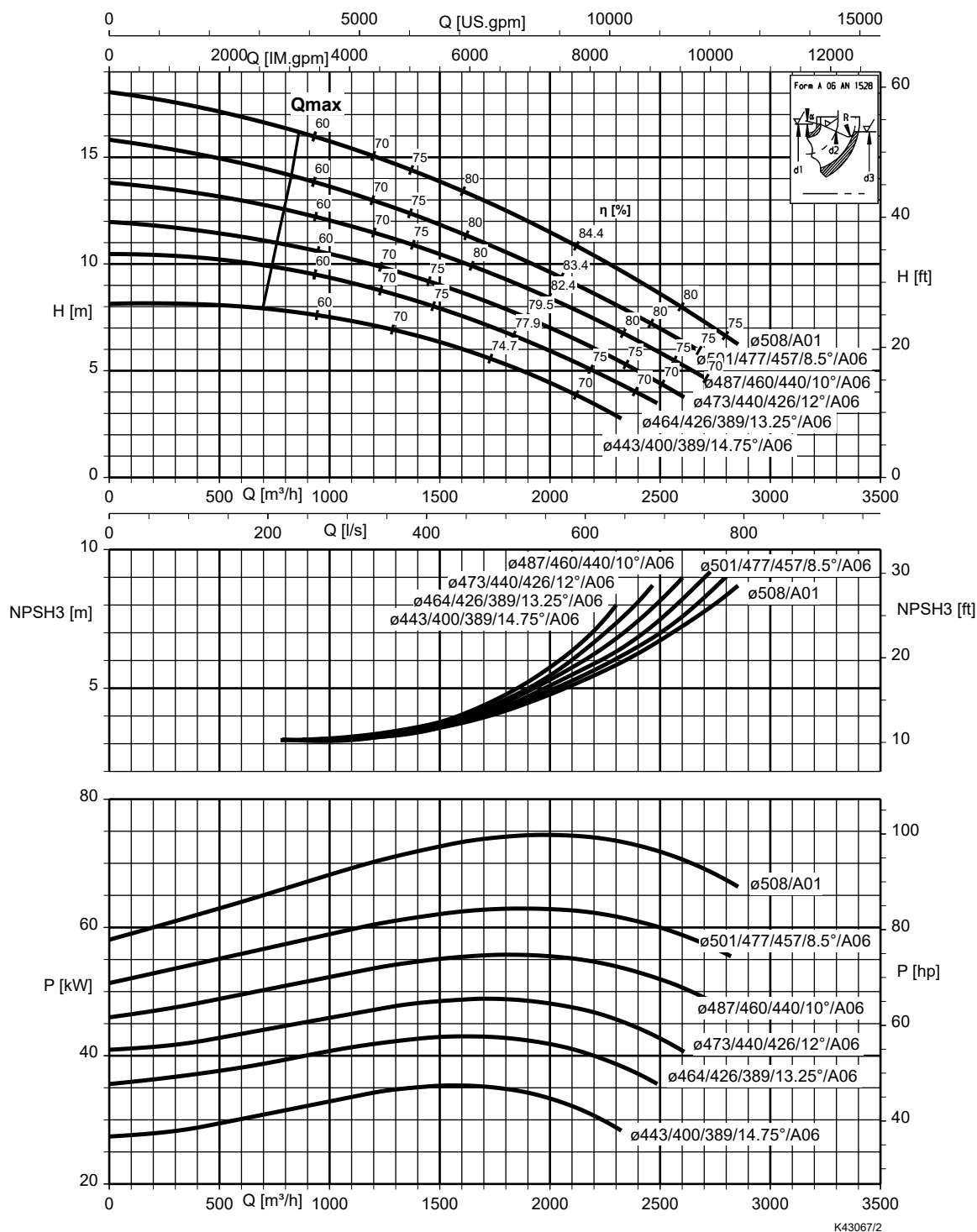
Free passage = 140 mm

Motor depending on material variant and installation type

Motor	G, G1				
	Installation type				
	D	K	H	P	S
508_N_	X	X	-	-	X
658_N_	-	-	-	-	X
758_N_	X	X	-	-	X
908_N_	X	X	-	-	X
1108_N_	X	X	-	-	X
1308_N_	X	X	-	-	X

Amarex KRT K 400-500, n = 725 rpm

Characteristic curves to ISO 9906 Class 2B, below 10 kW to § 4.4.2. n = nominal speed



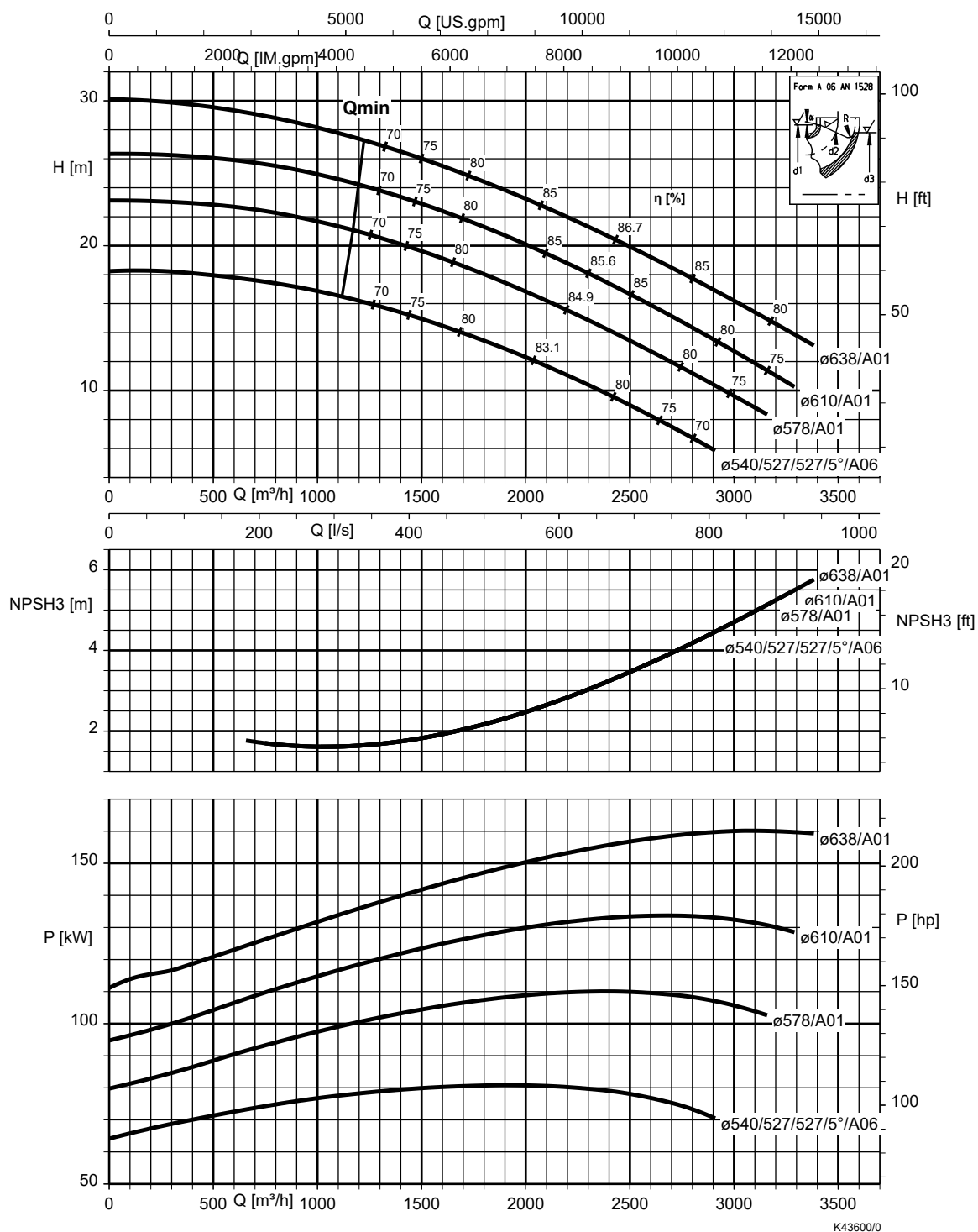
Free passage = 130 mm

Motor depending on material variant and installation type

Motor	G, G1, G2					C1, C2	
	Installation type					Installation type	
	D	K	H	P	S	P	S
508_N_	X	X	-	-	X	-	X
658_N_	-	-	-	-	X	-	X
758_N_	X	X	-	-	X	-	X
908_N_	X	X	-	-	X	-	X
1108_N_	X	X	-	-	X	-	X
1308_N_	X	X	-	-	X	-	-

Amarex KRT K 400-632, n = 725 rpm

Characteristic curves to ISO 9906 Class 2B, below 10 kW to § 4.4.2. n = nominal speed



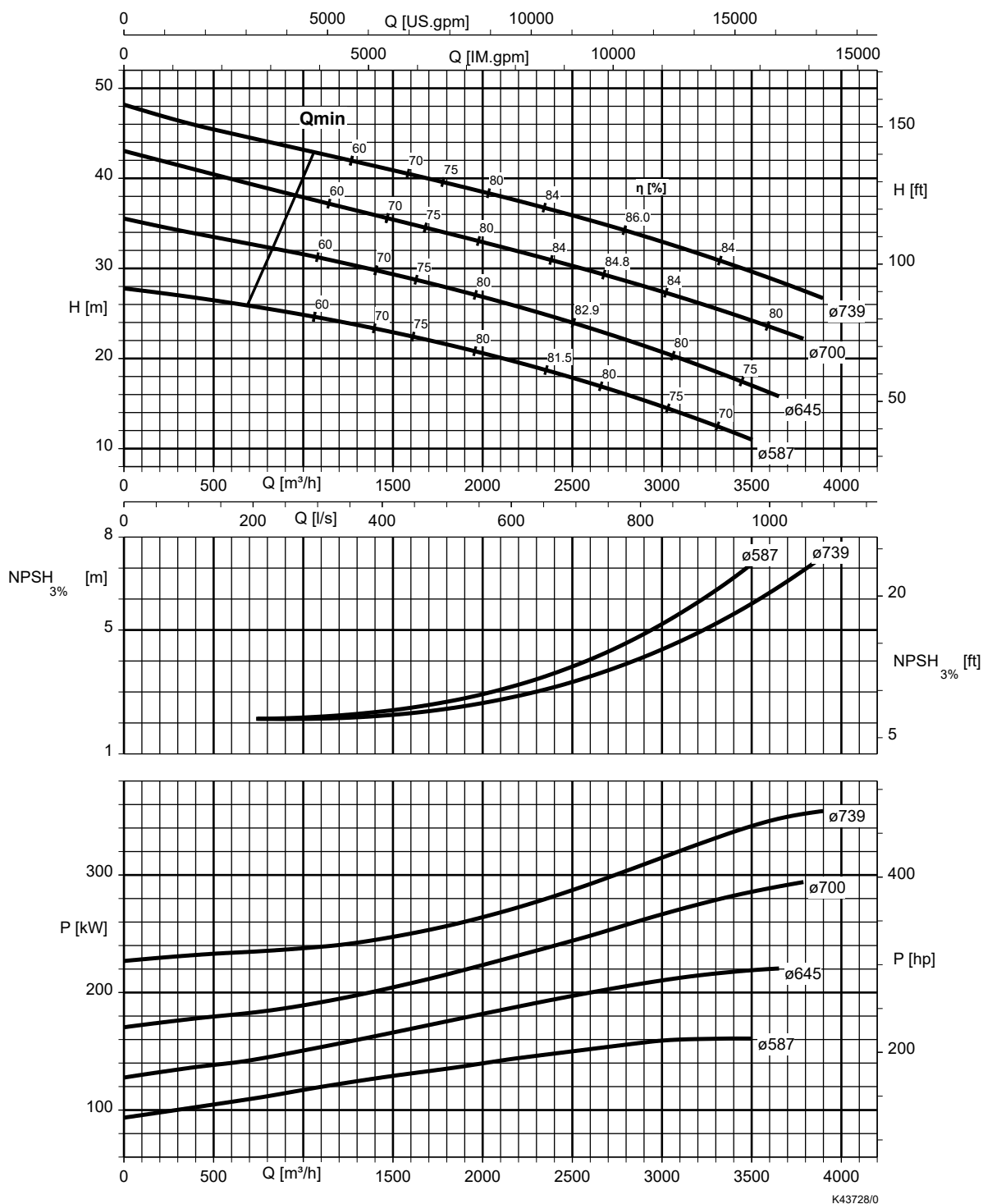
Free passage = 140 mm

P₂[kW] depending on material variant and installation type

Motor	G, G1, G2				
	Installation type				
	D	K	H	P	S
908_N_	X	X	-	-	X
1108_N_	X	X	-	-	X
1308_N_	X	X	-	-	X
1508_N_	X	X	-	-	X
1858_N_	X	X	-	-	X
2208_N_	X	X	-	-	X
2608_N_	X	X	-	-	X
3008_N_	X	X	-	-	X
3508_N_	X	X	-	-	X
4008_N_	X	X	-	-	X

Amarex KRT K 401-710, n = 725 rpm

Characteristic curves to ISO 9906 Class 2B, below 10 kW to § 4.4.2. n = nominal speed



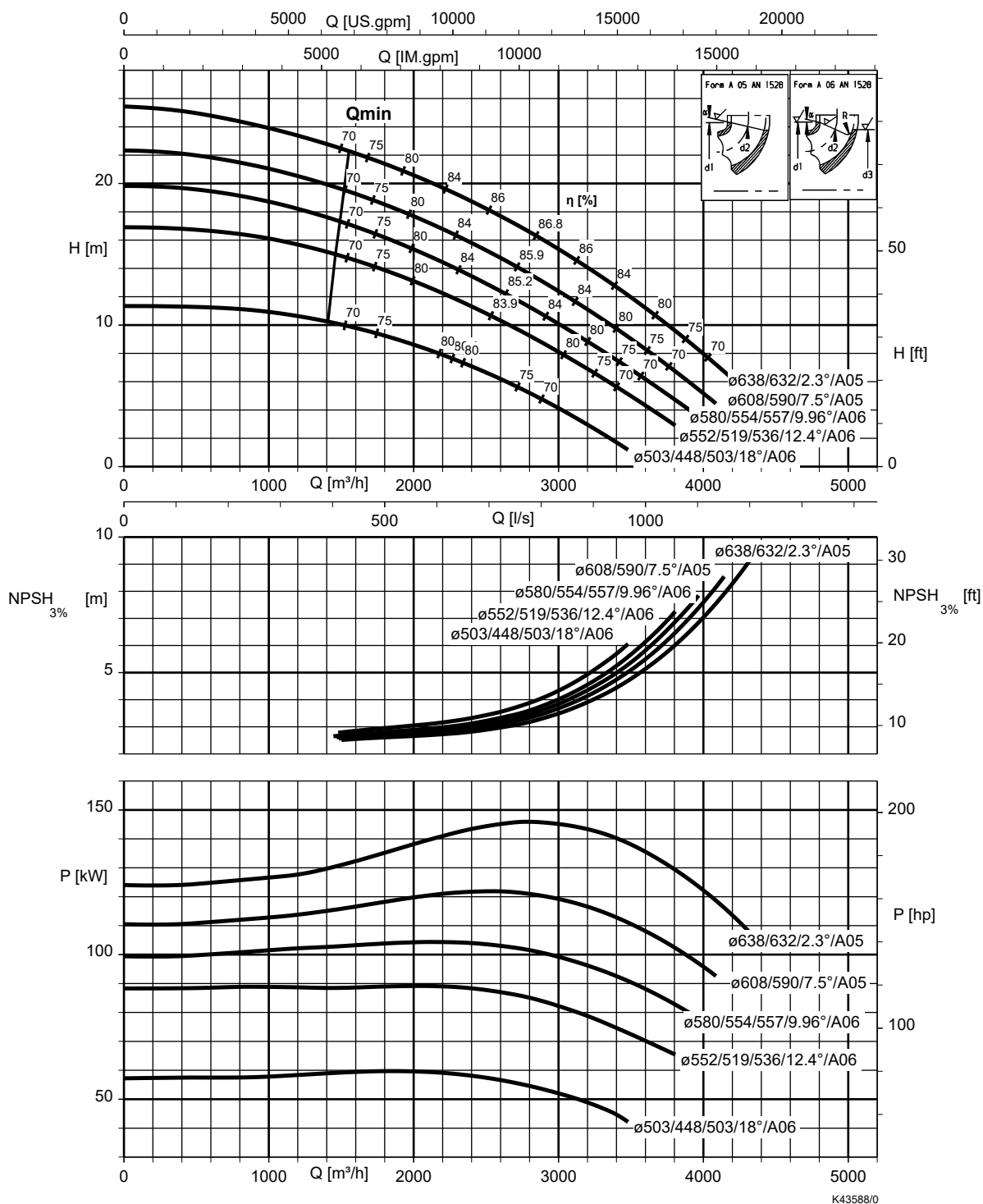
Free passage = 145 mm

Motor depending on material variant and installation type

Motor	G, G1, G2				
	Installation type				
	D	K	H	P	S
1508_N_	X	X	-	-	X
1858_N_	X	X	-	-	X
2208_N_	X	X	-	-	X
2608_N_	X	X	-	-	X
3008_N_	X	X	-	-	X
3508_N_	X	X	-	-	X
4008_N_	X	X	-	-	X
4608_N_	X	X	-	-	X

Amarex KRT K 500-634, n = 725 rpm

Characteristic curves to ISO 9906 Class 2B, below 10 kW to § 4.4.2. n = nominal speed



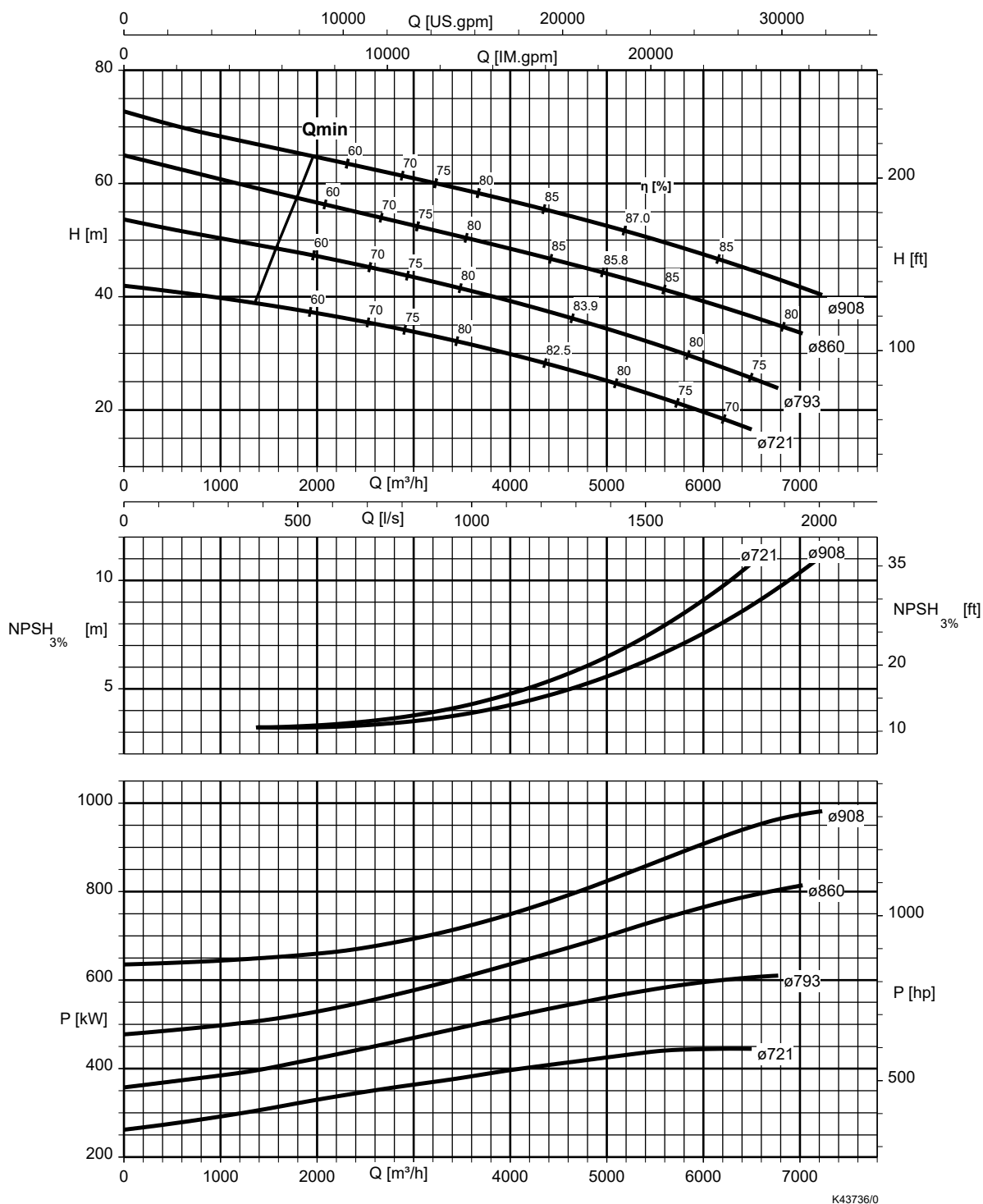
Free passage = 132 mm

Motor depending on material variant and installation type

Motor	G, G1, G2					C1, C2	
	Installation type					Installation type	
	D	K	H	P	S	P	S
908_N_	X	X	-	-	X	-	-
1108_N_	X	X	-	-	X	-	X
1308_N_	X	X	-	-	X	-	X
1508_N_	X	X	-	-	X	-	X
1858_N_	X	X	-	-	X	-	X
2208_N_	X	X	-	-	X	-	X

Amarex KRT K 501-900, n = 725 rpm

Characteristic curves to ISO 9906 Class 2B, below 10 kW to § 4.4.2. n = nominal speed



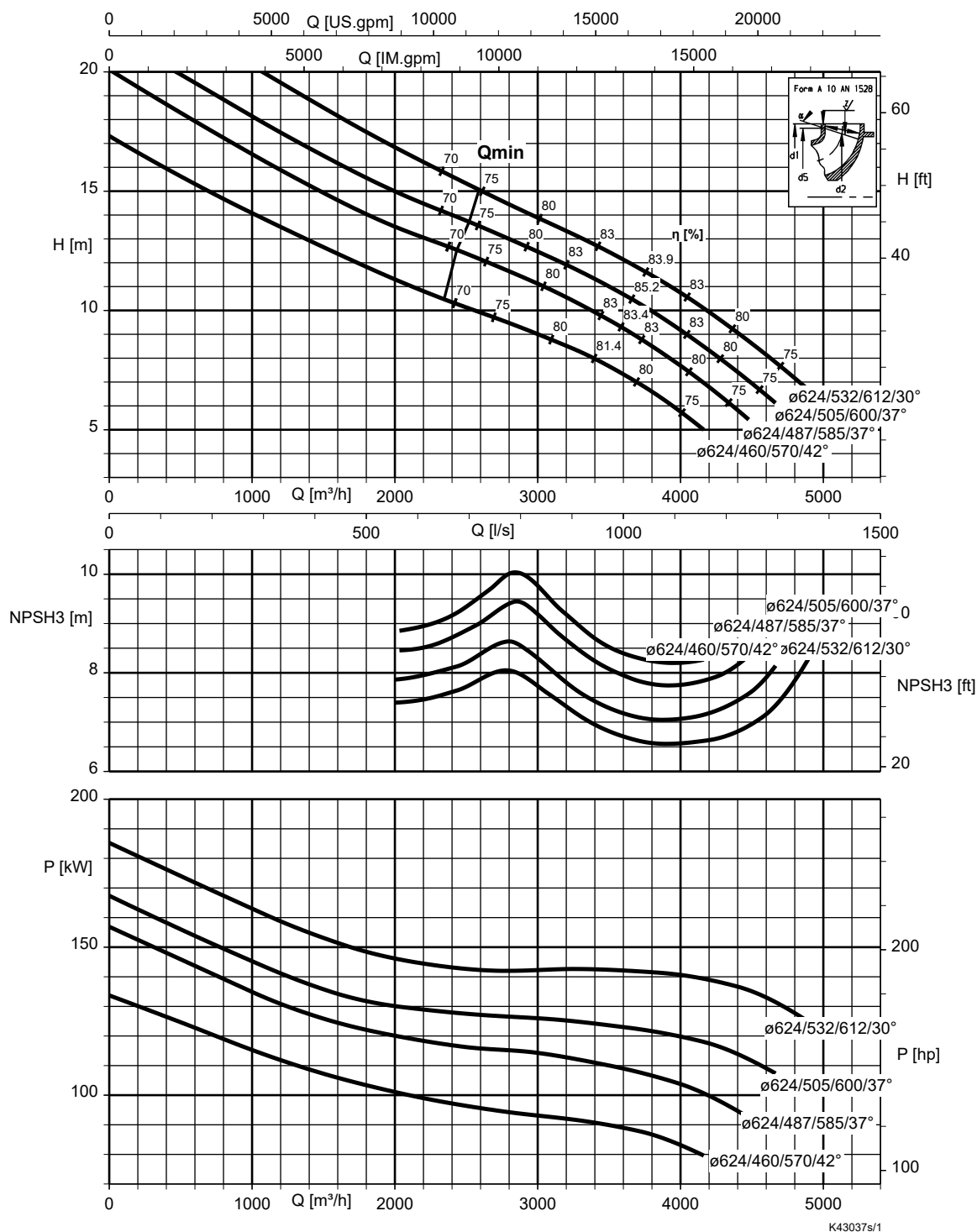
Free passage = 178 mm

Motor depending on material variant and installation type

Motor	G, G1, G2				
	Installation type				
	D	K	H	P	S
4008_N_	X	X	-	-	X
4608_N_	X	X	-	-	X
5308_N_	X	X	-	-	X
5808_N_	X	X	-	-	X
6308_N_	X	X	-	-	X
6908_N_	X	X	-	-	X
7608_N_	X	X	-	-	X

Amarex KRT K 600-520, n = 725 rpm

Characteristic curves to ISO 9906 Class 2B, below 10 kW to § 4.4.2. n = nominal speed



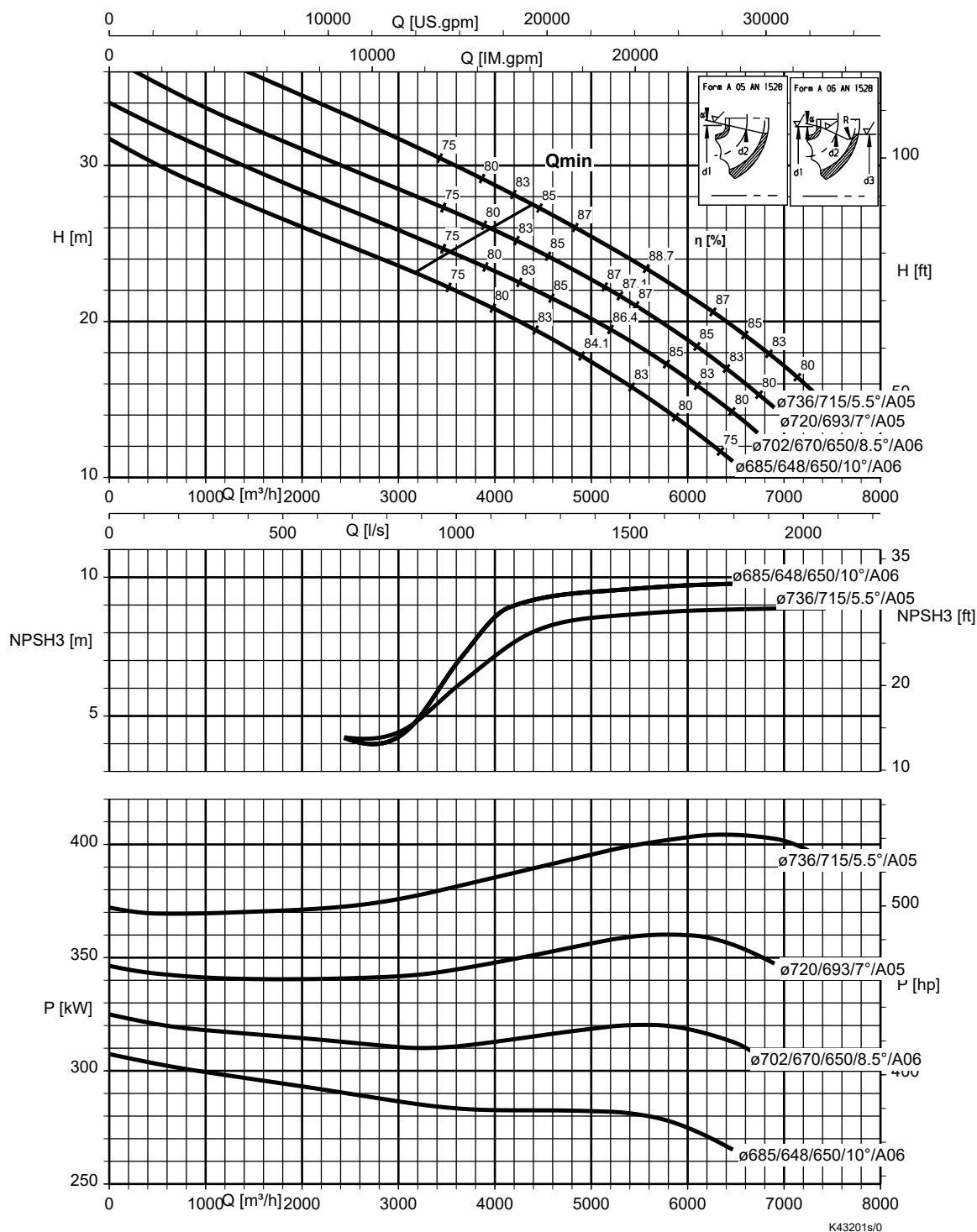
Free passage = 145 mm

Motor depending on material variant and installation type

Motor	G, G1, G2					C1, C2	
	Installation type					Installation type	
	D	K	H	P	S	P	S
1108_N_	X	X	-	-	X	-	X
1308_N_	X	X	-	-	X	-	X
1508_N_	X	X	-	-	X	-	X
1858_N_	X	X	-	-	X	-	X
2208_N_	-	-	-	-	-	-	X

Amarex KRT K 600-710, n = 725 rpm

Characteristic curves to ISO 9906 Class 2B, below 10 kW to § 4.4.2. n = nominal speed



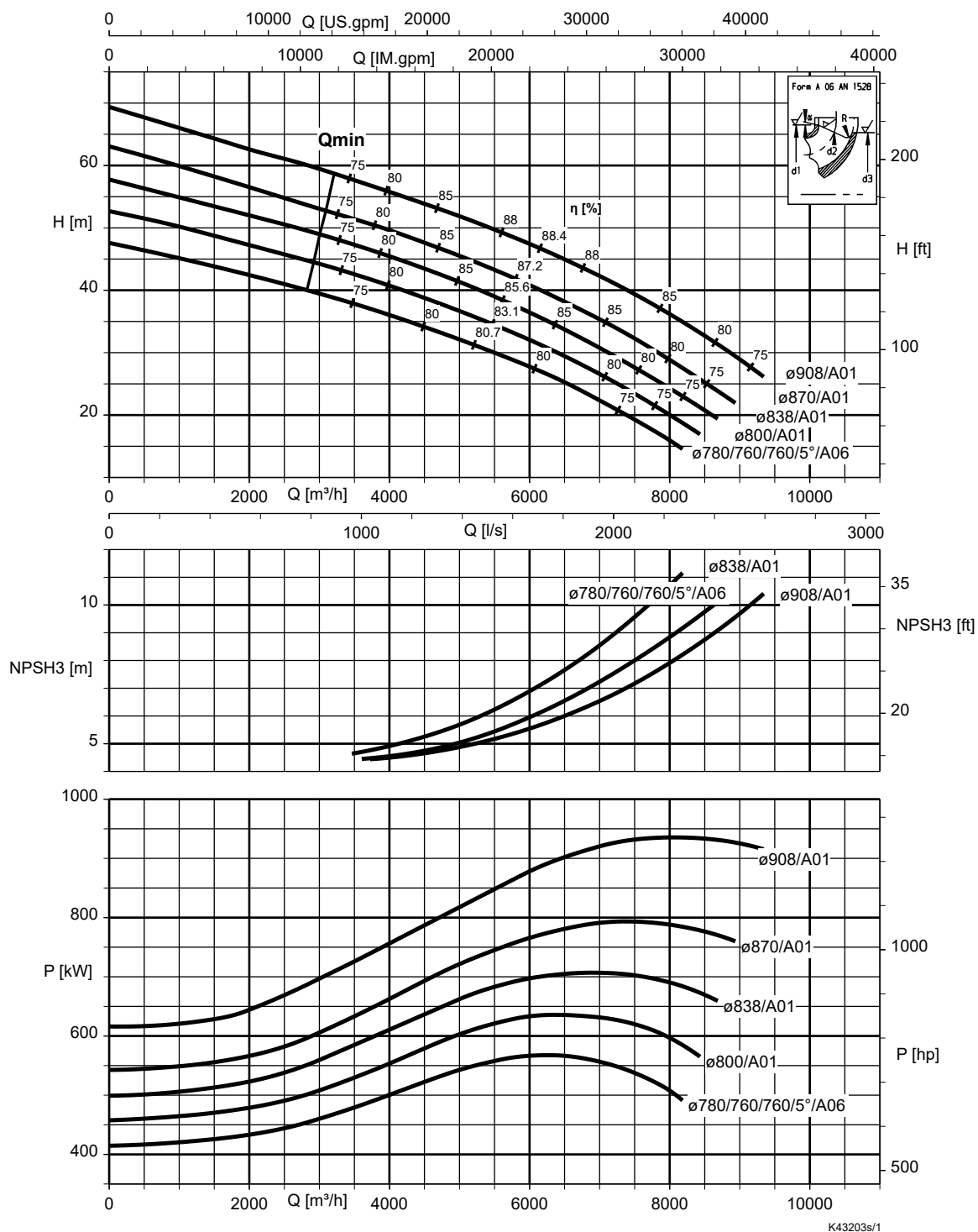
Free passage = 165 mm

Motor depending on material variant and installation type

Motor	G, G1, G2				
	Installation type				
	D	K	H	P	S
3508_N_	X	X	-	-	X
4008_N_	X	X	-	-	X
4608_N_	X	X	-	-	X
5308_N_	X	X	-	-	X
5808_N_	X	X	-	-	X

Amarex KRT K 700-901, n = 725 rpm

Characteristic curves to ISO 9906 Class 2B, below 10 kW to § 4.4.2. n = nominal speed



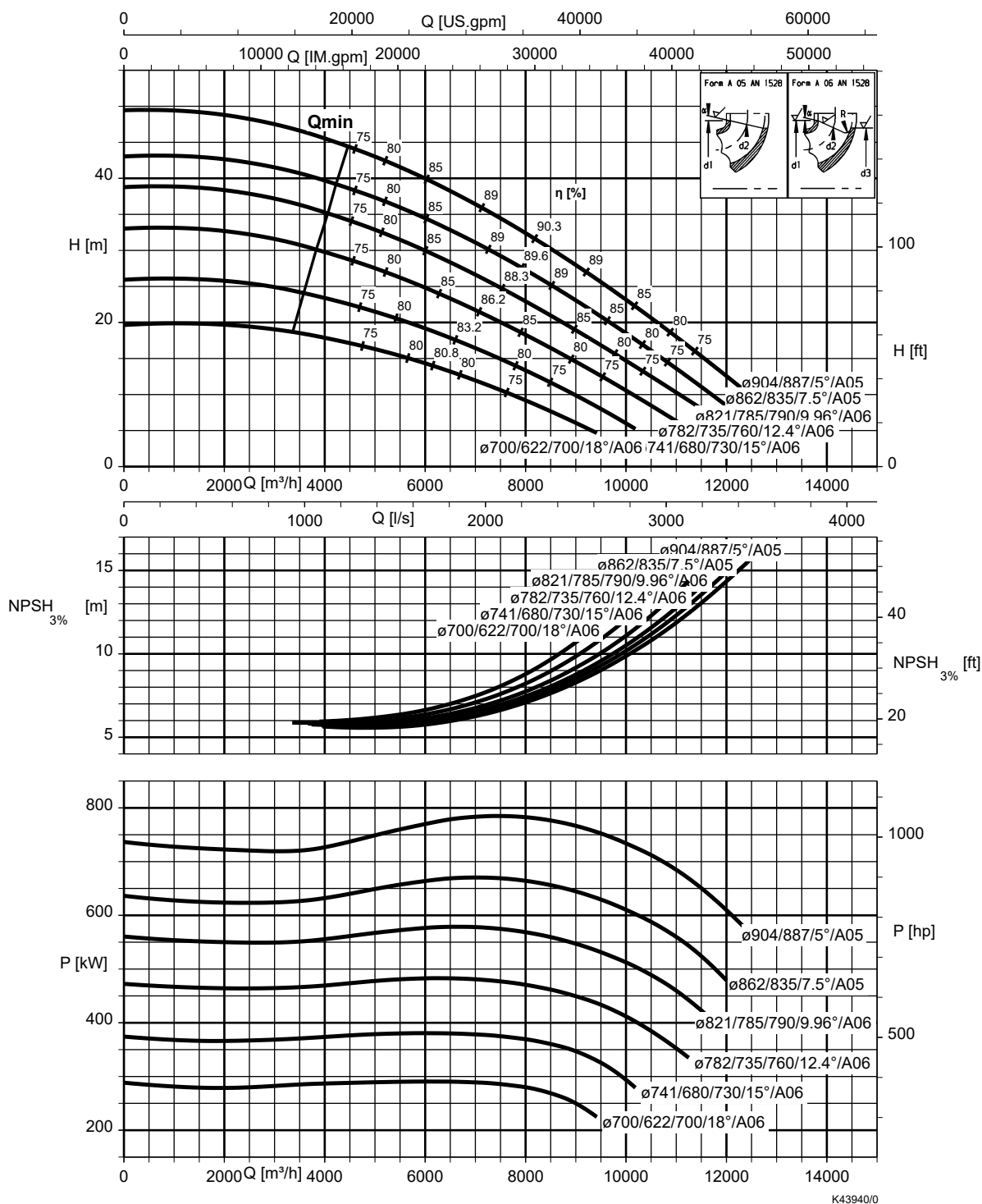
Free passage = 180 mm

Motor depending on material variant and installation type

Motor	G, G1, G2				
	Installation type				
	D	K	H	P	S
5808_N_	X	X	-	-	X
6308_N_	X	X	-	-	X
6908_N_	X	X	-	-	X
7608_N_	X	X	-	-	X

Amarex KRT K 701-902, n = 725 rpm

Characteristic curves to ISO 9906 Class 2B, below 10 kW to § 4.4.2. n = nominal speed



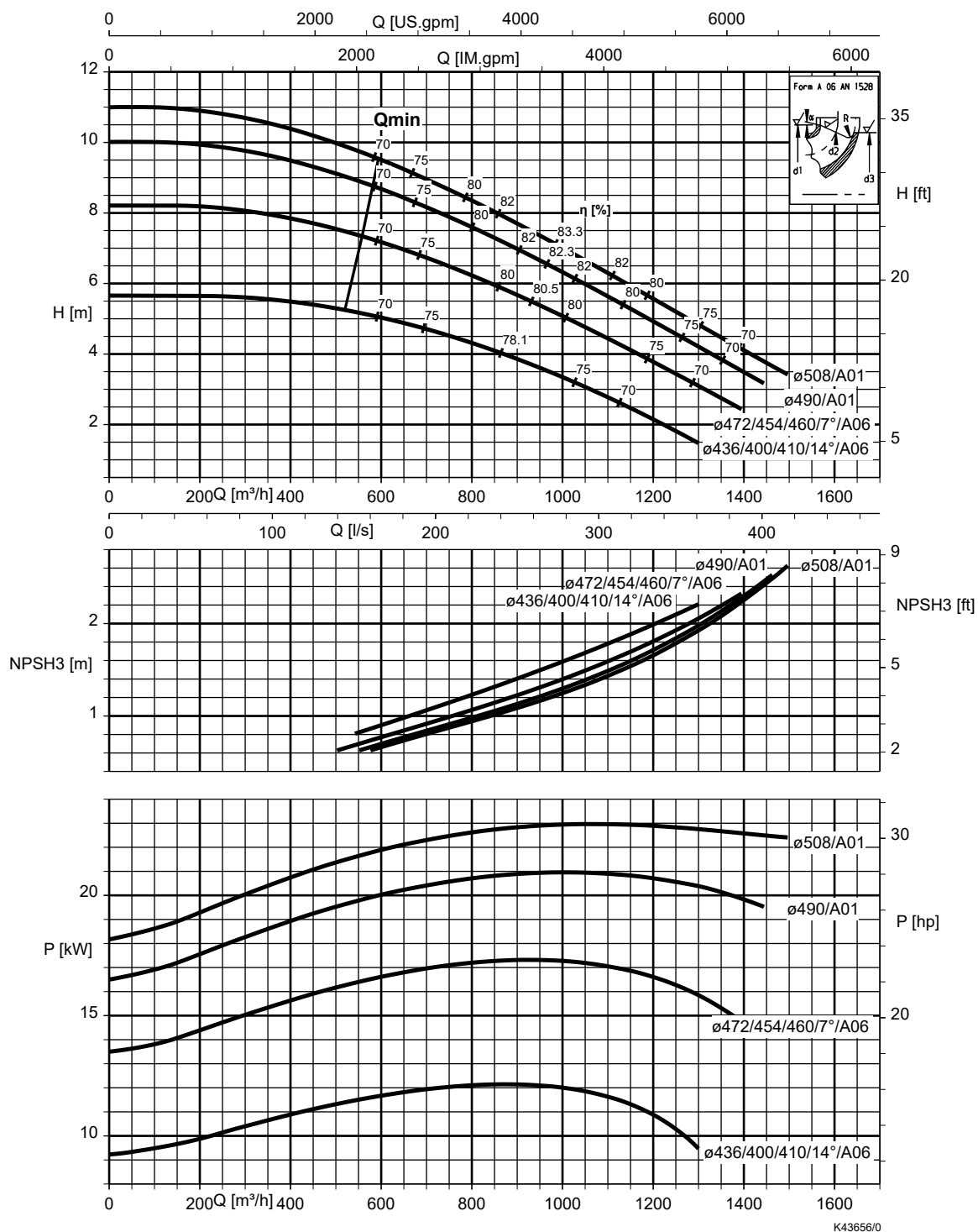
Free passage = 190 mm

Motor depending on material variant and installation type

Motor	G, G1				
	Installation type				
	D	K	H	P	S
3008_N_	X	X	-	-	X
3508_N_	X	X	-	-	X
4008_N_	X	X	-	-	X
4608_N_	X	X	-	-	X
5308_N_	X	X	-	-	X
5808_N_	X	X	-	-	X
6308_N_	X	X	-	-	X
6908_N_	X	X	-	-	X
7608_N_	X	X	-	-	X

Amarex KRT K 350-503, n = 580 rpm

Characteristic curves to ISO 9906 Class 2B, below 10 kW to § 4.4.2. n = nominal speed



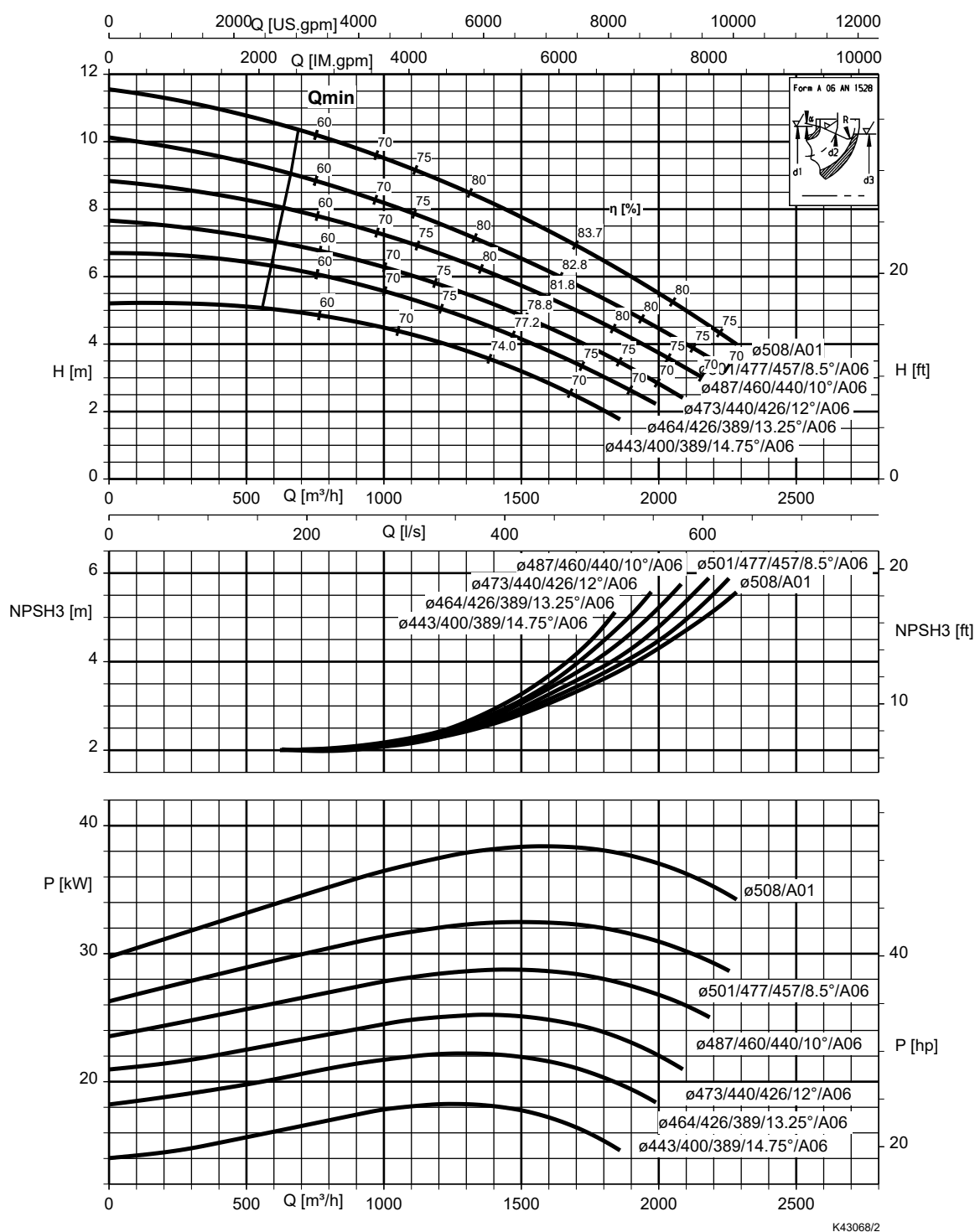
Free passage = 140 mm

Motor depending on material variant and installation type

Motor	G, G1, G2				
	Installation type				
	D	K	H	P	S
4010_N_	X	X	-	-	X
6010_N_	X	X	-	-	X
7510_N_	X	X	-	-	X
9010_N_	X	X	-	-	X

Amarex KRT K 400-500, n = 580 rpm

Characteristic curves to ISO 9906 Class 2B, below 10 kW to § 4.4.2. n = nominal speed



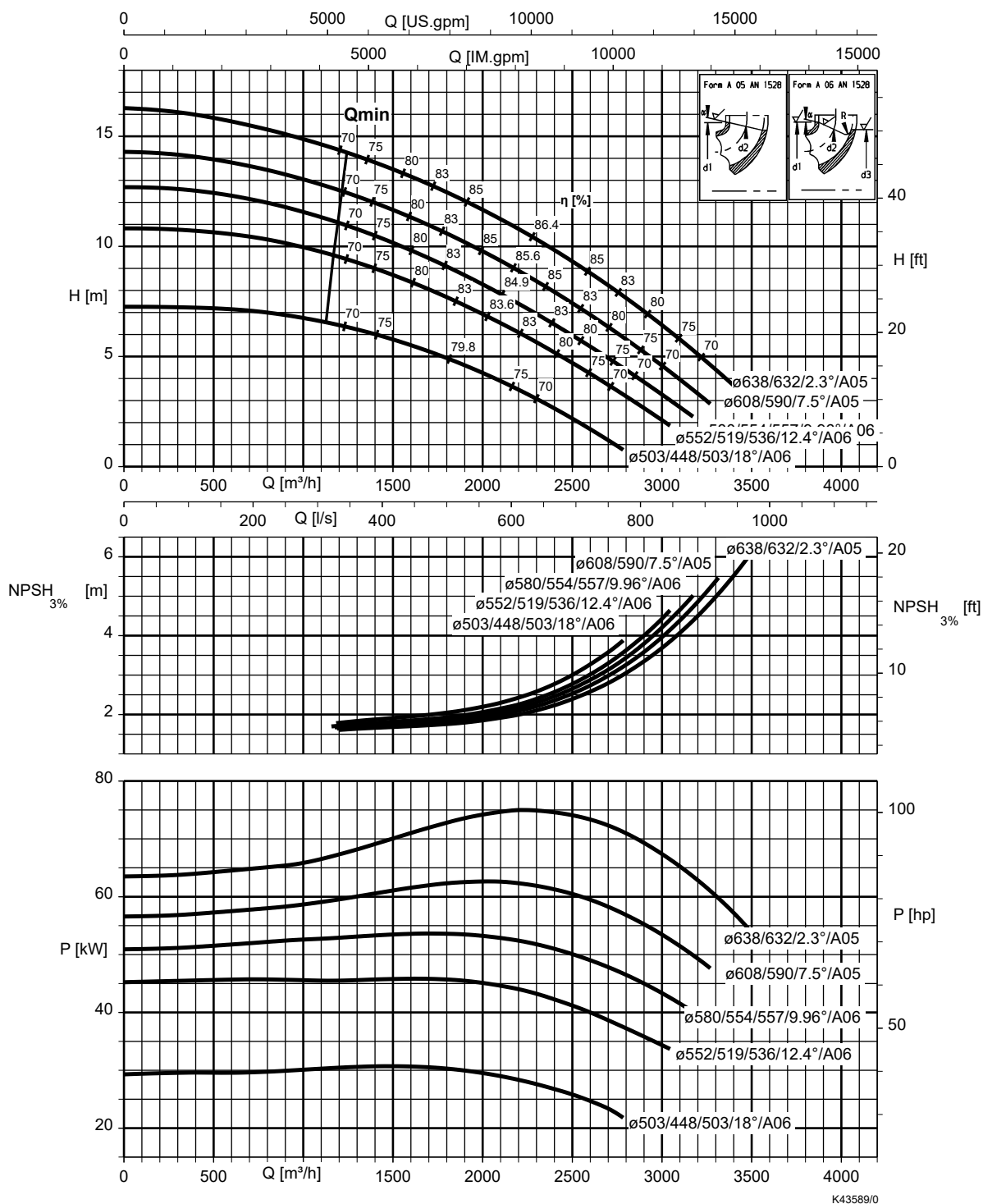
Free passage = 130 mm

Motor depending on material variant and installation type

Motor	G, G1, G2					C1, C2	
	Installation type					Installation type	
	D	K	H	P	S	P	S
4010_N_	X	X	-	-	X	-	X
6010_N_	X	X	-	-	X	-	X

Amarex KRT K 500-634, n = 580 rpm

Characteristic curves to ISO 9906 Class 2B, below 10 kW to § 4.4.2. n = nominal speed



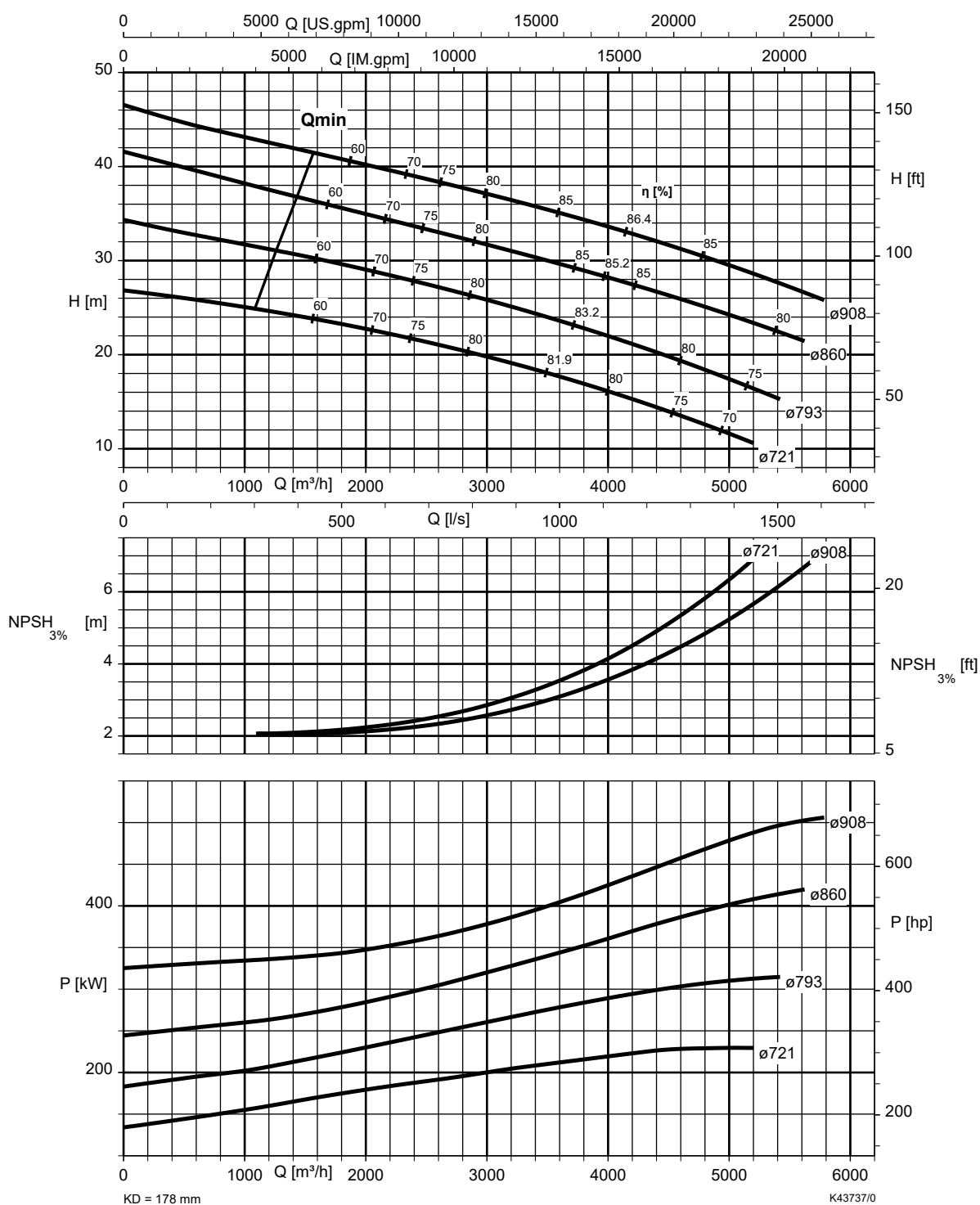
Free passage = 132 mm

Motor depending on material variant and installation type

Motor	G, G1, G2					C1, C2	
	Installation type					Installation type	
	D	K	H	P	S	P	S
4010_N_	X	X	-	-	X	-	X
6010_N_	X	X	-	-	X	-	X
7510_N_	X	X	-	-	X	-	X

Amarex KRT K 501-900, n = 580 rpm

Characteristic curves to ISO 9906 Class 2B, below 10 kW to § 4.4.2. n = nominal speed



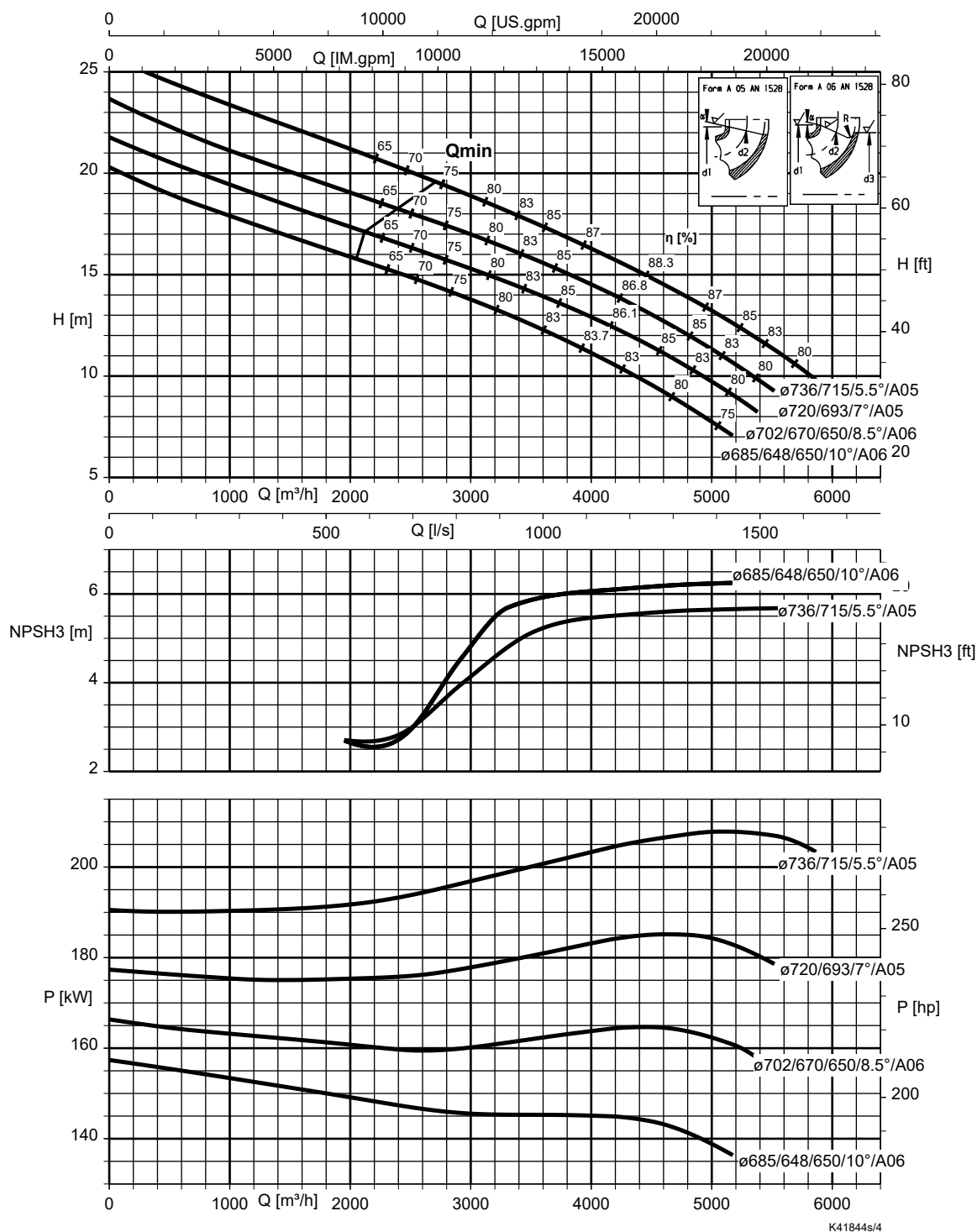
Free passage = 178 mm

Motor depending on material variant and installation type

Motor	G, G1, G2				
	Installation type				
	D	K	H	P	S
23010_N_	X	X	-	-	X
27010_N_	X	X	-	-	X
31010_N_	X	X	-	-	X
35010_N_	X	X	-	-	X
39010_N_	X	X	-	-	X
43010_N_	X	X	-	-	X
47510_N_	X	X	-	-	X
53510_N_	X	X	-	-	X
60010_N_	X	X	-	-	X
66010_N_	-	X	-	-	X

Amarex KRT K 600-710, n = 580 rpm

Characteristic curves to ISO 9906 Class 2B, below 10 kW to § 4.4.2. n = nominal speed



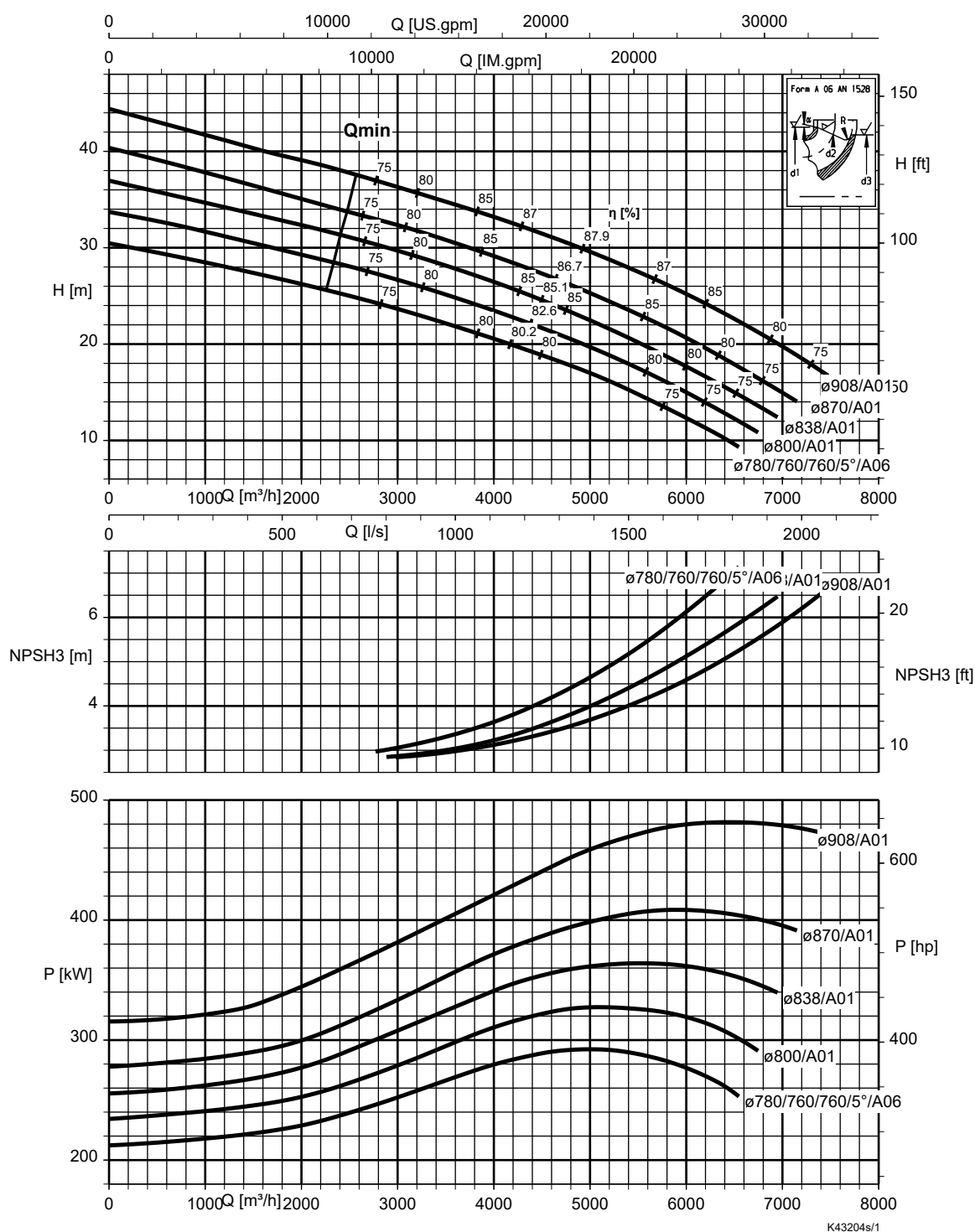
Free passage = 165 mm

Motor depending on material variant and installation type

Motor	G, G1, G2					C1, C2	
	Installation type					Installation type	
	D	K	H	P	S	P	S
19010_N_	X	X	-	-	X	-	X
23010_N_	X	X	-	-	X	-	X
27010_N_	X	X	-	-	X	-	X
31010_N_	-	-	-	-	-	-	X

Amarex KRT K 700-901, n = 580 rpm

Characteristic curves to ISO 9906 Class 2B, below 10 kW to § 4.4.2. n = nominal speed



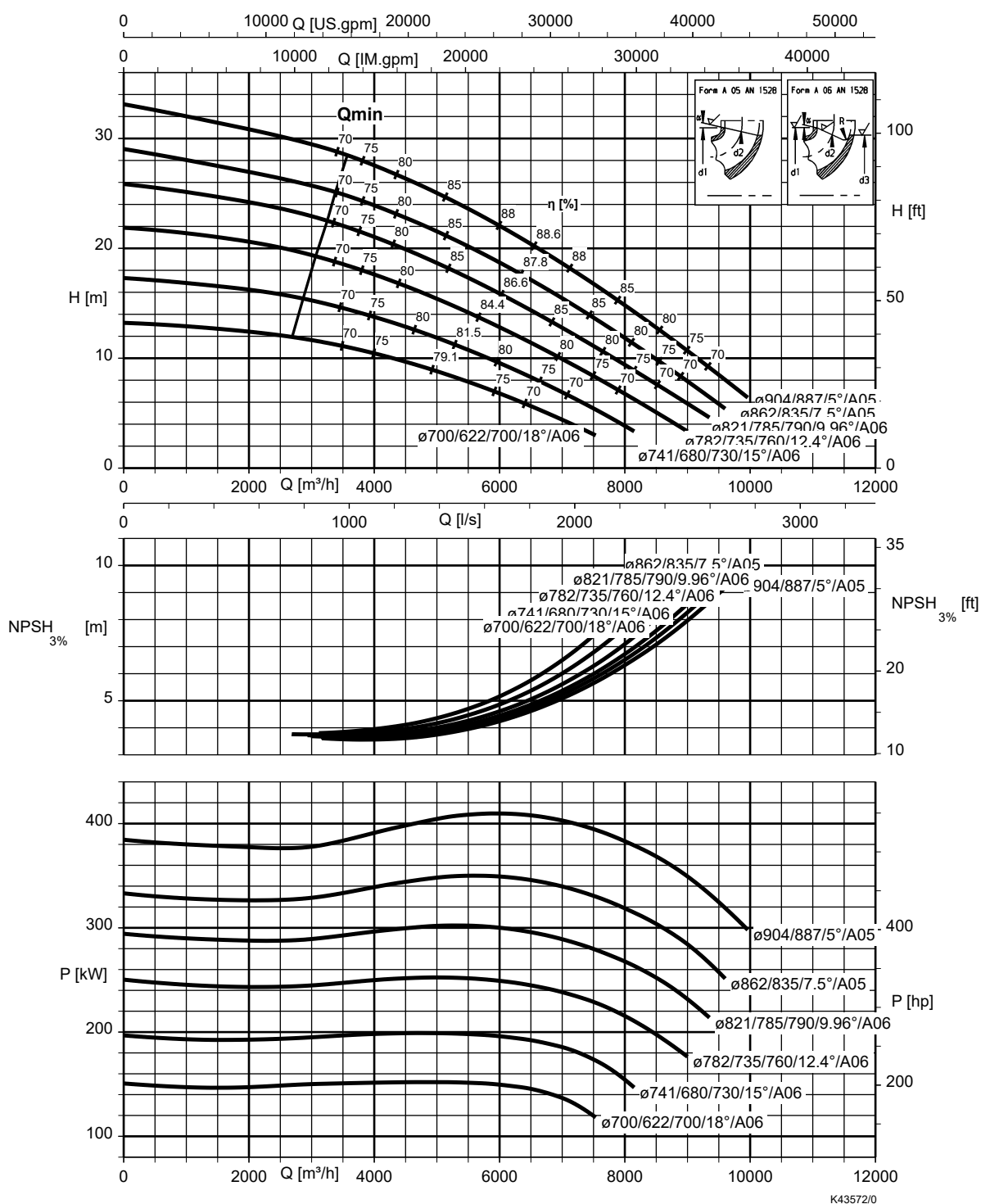
Free passage = 180 mm

Motor depending on material variant and installation type

Motor	G, G1, G2				
	Installation type				
	D	K	H	P	S
35010_N_	X	X	-	-	X
39010_N_	X	X	-	-	X
43010_N_	X	X	-	-	X
47510_N_	X	X	-	-	X
53510_N_	X	X	-	-	X
60010_N_	X	X	-	-	X
66010_N_	-	X	-	-	X

Amarex KRT K 700-902, n = 580 rpm

Characteristic curves to ISO 9906 Class 2B, below 10 kW to § 4.4.2. n = nominal speed



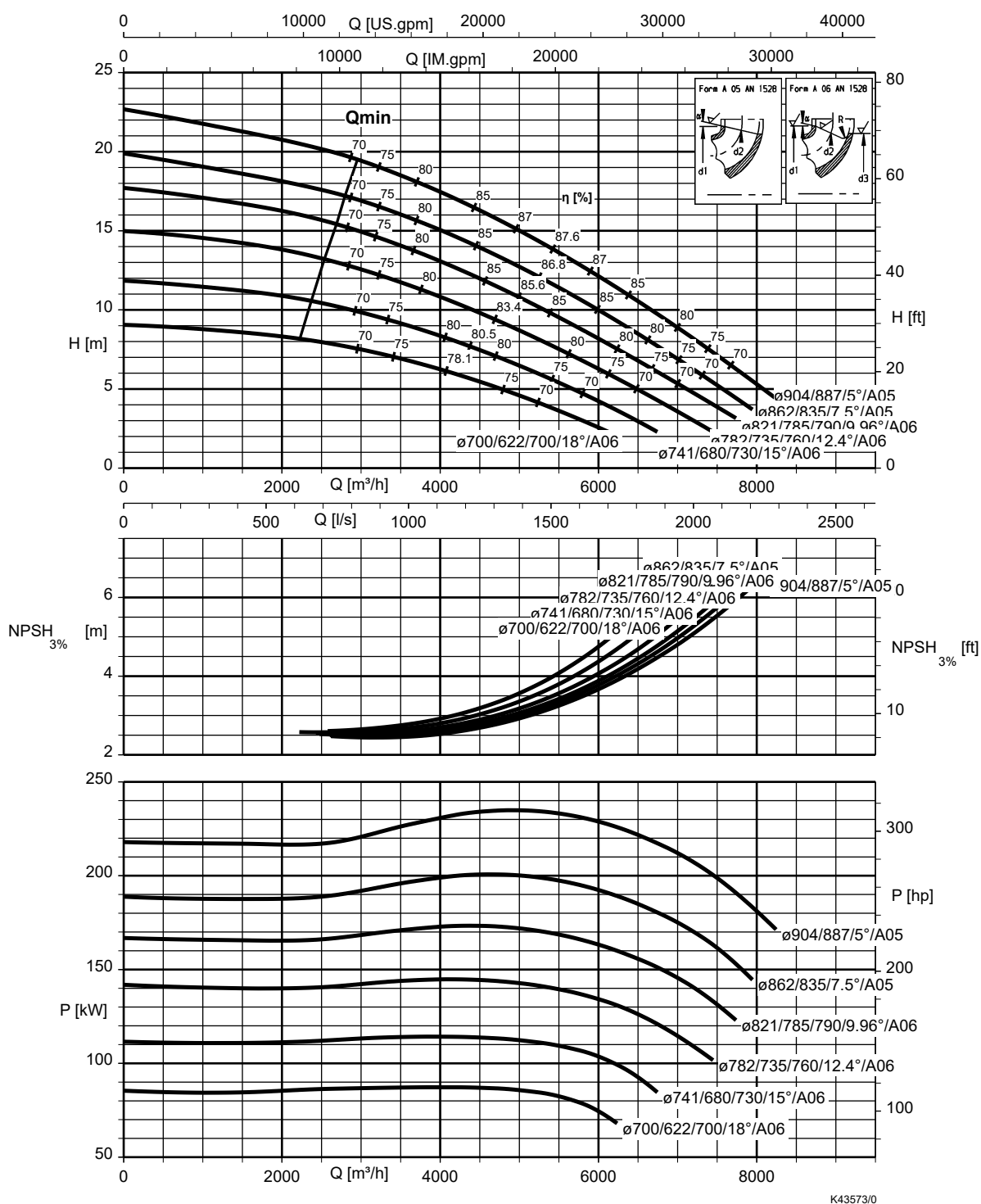
Free passage = 190 mm

Motor depending on material variant and installation type

Motor	G, G1, G2				
	Installation type				
	D	K	H	P	S
23010_N_	X	X	-	-	X
27010_N_	X	X	-	-	X
31010_N_	X	X	-	-	X
35010_N_	X	X	-	-	X
39010_N_	X	X	-	-	X
43010_N_	X	X	-	-	X
47510_N_	X	X	-	-	X
53510_N_	X	X	-	-	X
60010_N_	X	X	-	-	X

Amarex KRT K 700-902, n = 480 rpm

Characteristic curves to ISO 9906 Class 2B, below 10 kW to § 4.4.2. n = nominal speed



Free passage = 190 mm

Motor depending on material variant and installation type

Motor	G, G1, G2				
	Installation type				
	D	K	H	P	S
19512_N_	X	X	-	-	X
23012_N_	X	X	-	-	X
26512_N_	X	X	-	-	X
30012_N_	X	X	-	-	X
34012_N_	X	X	-	-	X
38012_N_	X	X	-	-	X
45012_N_	X	X	-	-	X
49012_N_	X	X	-	-	X
56012_N_	X	X	-	-	X

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