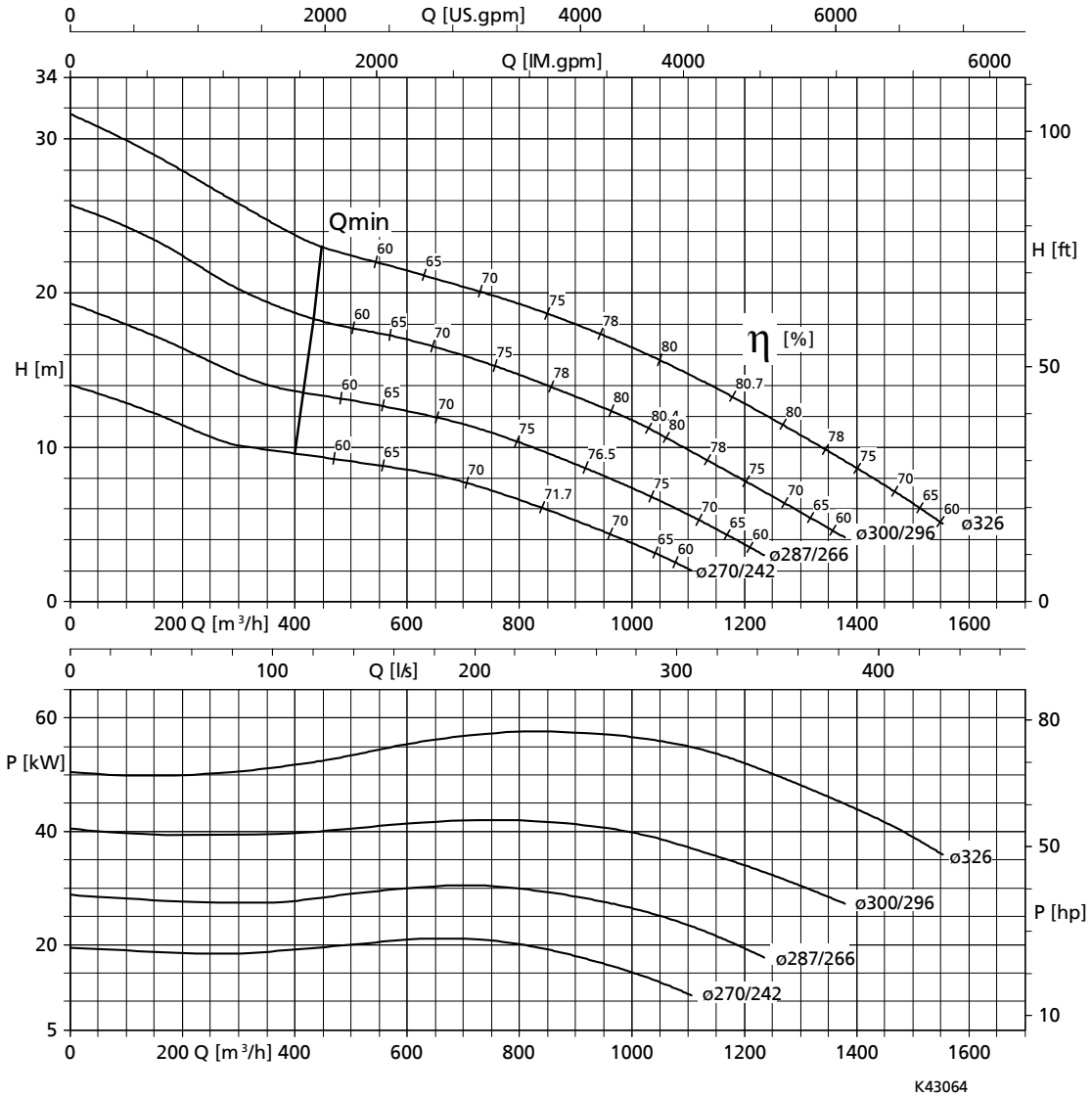


Characteristic curves

n = 1450 rpm

Amacan K 700-330 / 800-330, n = 1450 rpm

Characteristic curves in acc. with ISO 9906 / 2 / 2B. The characteristic curves correspond to the effective motor speed.



Free passage Ø 70 mm

Rated power P_2 and mass moment of inertia $J^{20)}$

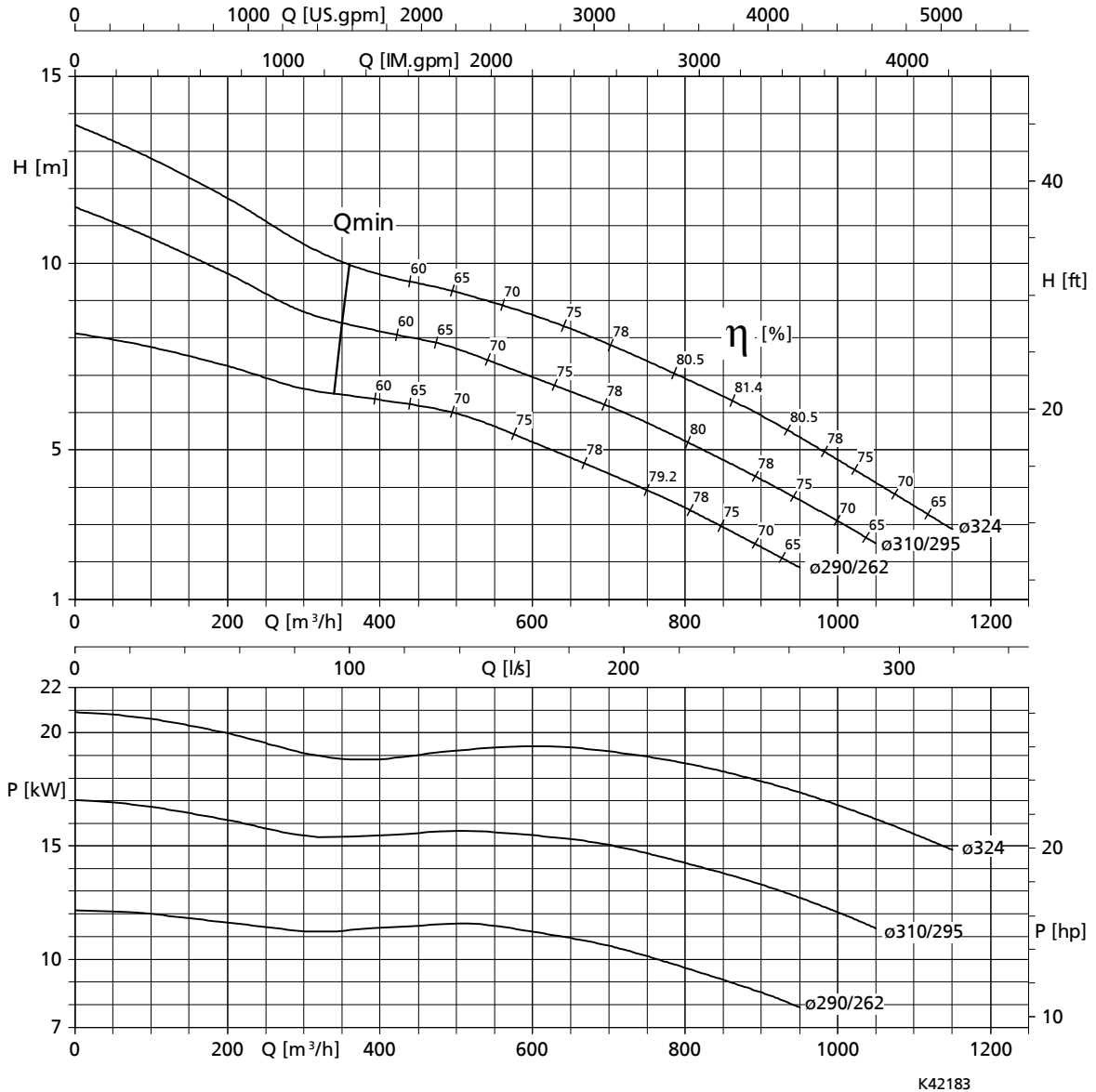
Size	Rated power P_2 [kW]	Mass moment of inertia J [kgm ²]
700-330 / 29 4 U / X	27,0	0,46
800-330 / 35 4 U / X	38,0	0,57
800-330 / 50 4 U / X	48,0	0,6
800-330 / 65 4 U / X	62,0	0,65
700-330 / 80 4 UN / XN	80,0	0,81

20) These values are valid for a density = 1 kg/dm³ and a kinematic viscosity of up to 20 mm²/s.

n = 960 rpm

Amacan K 700-324, n = 960 rpm

Characteristic curves in acc. with ISO 9906 / 2 / 2B. The characteristic curves correspond to the effective motor speed.



K42183

Free passage Ø 70 mm

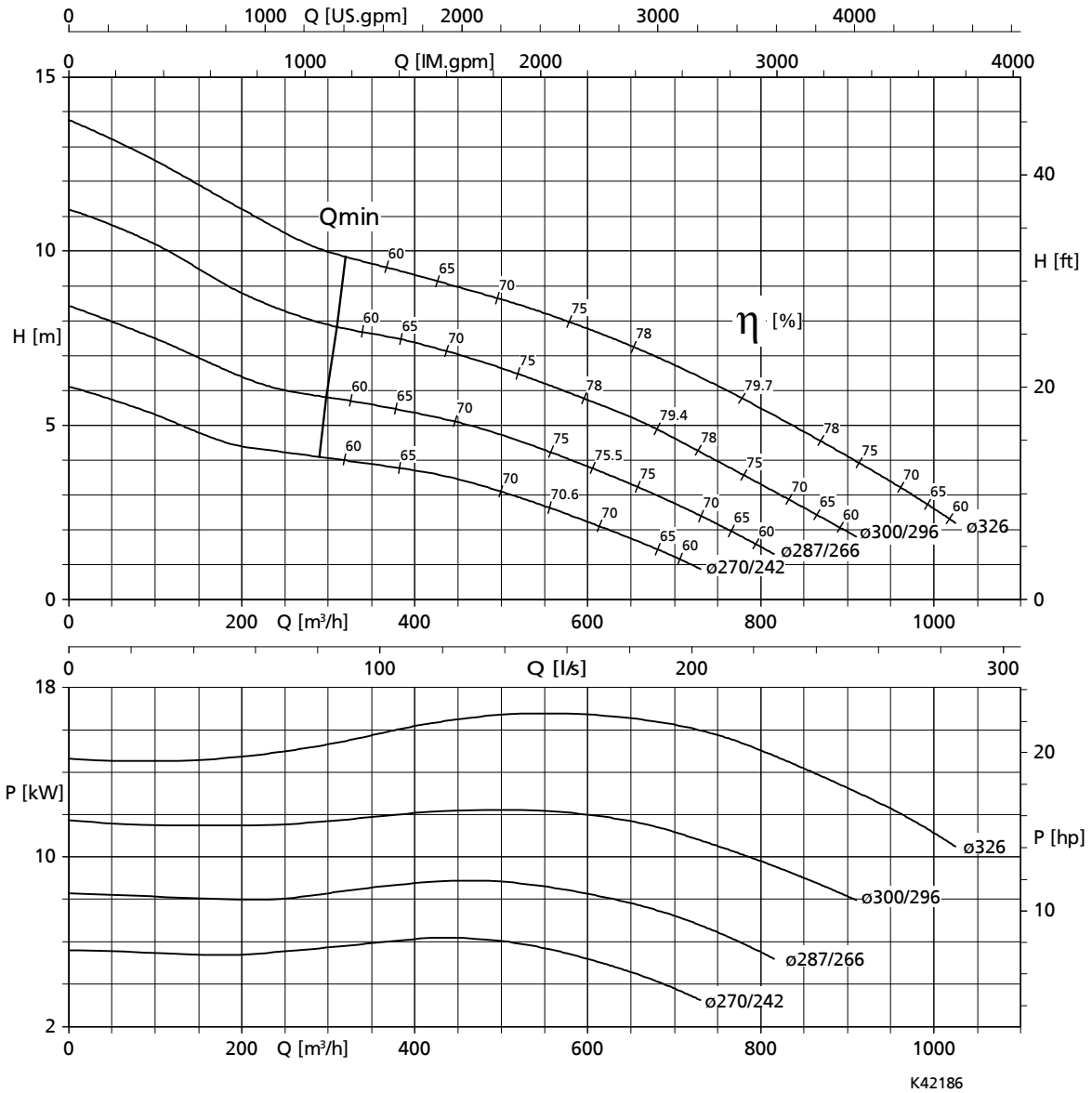
Rated power P_2 and mass moment of inertia $J^{21)}$

Size	Rated power P_2 [kW]	Mass moment of inertia J [kgm ²]
700-324 / 20 6 U / X	18,0	0,55
700-324 / 26 6 U / X	24,0	0,58

21) These values are valid for a density = 1 kg/dm³ and a kinematic viscosity of up to 20 mm²/s.

Amacan K 700-330, n = 960 rpm

Characteristic curves in acc. with ISO 9906 / 2 / 2B. The characteristic curves correspond to the effective motor speed.



Free passage \varnothing 70 mm

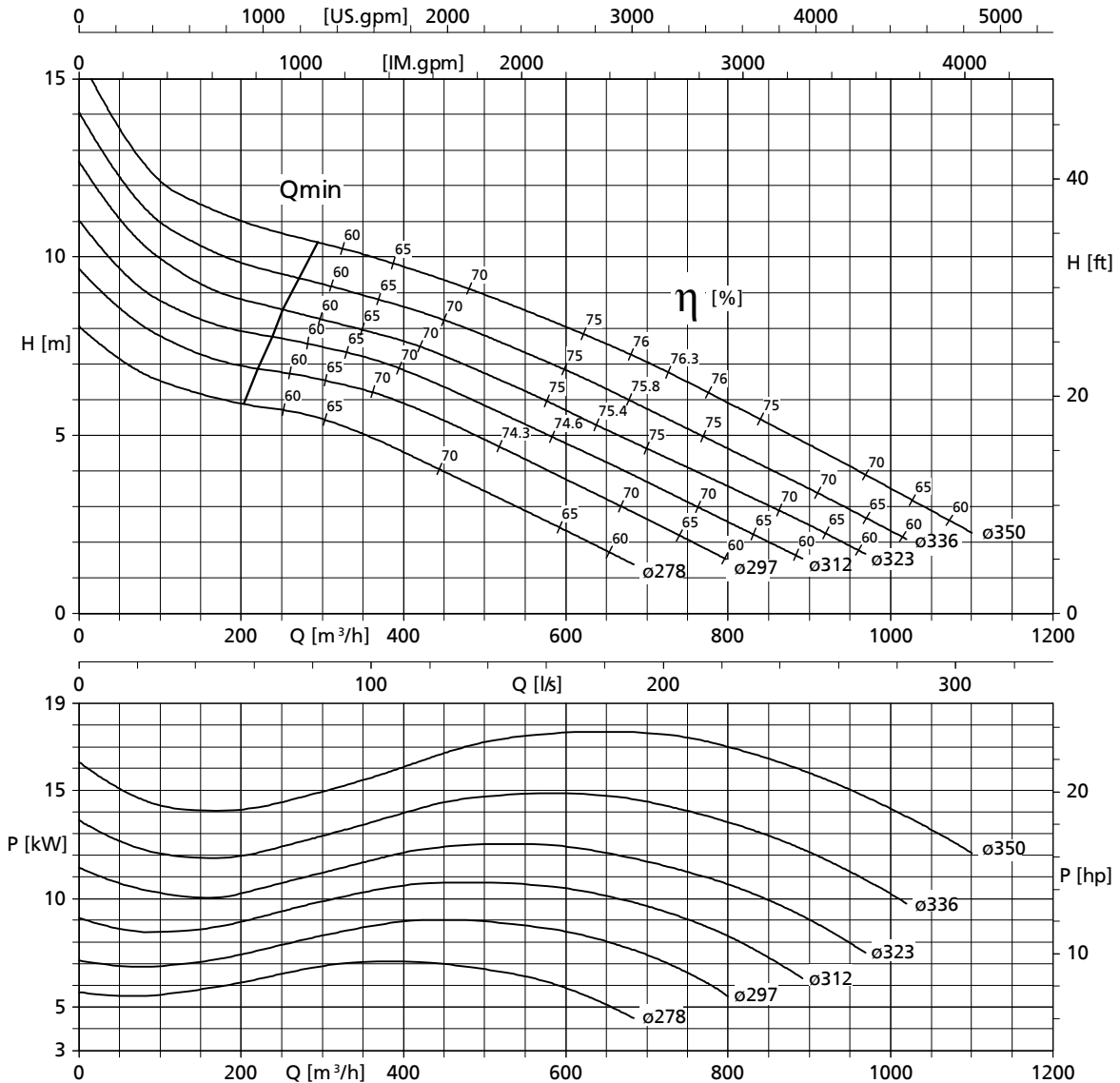
Rated power P_2 and mass moment of inertia $J^{22)}$

Size	Rated power P_2 [kW]	Mass moment of inertia J [kgm ²]
700-330 / 20 6 U / X	18,0	0,55
700-330 / 26 6 U / X	24,0	0,58

22) These values are valid for a density = 1 kg/dm³ and a kinematic viscosity of up to 20 mm²/s.

Amacan K 700-371, n = 960 rpm

Characteristic curves in acc. with ISO 9906 / 2 / 2B. The characteristic curves correspond to the effective motor speed.



K42171/1

Free passage Ø 105 mm

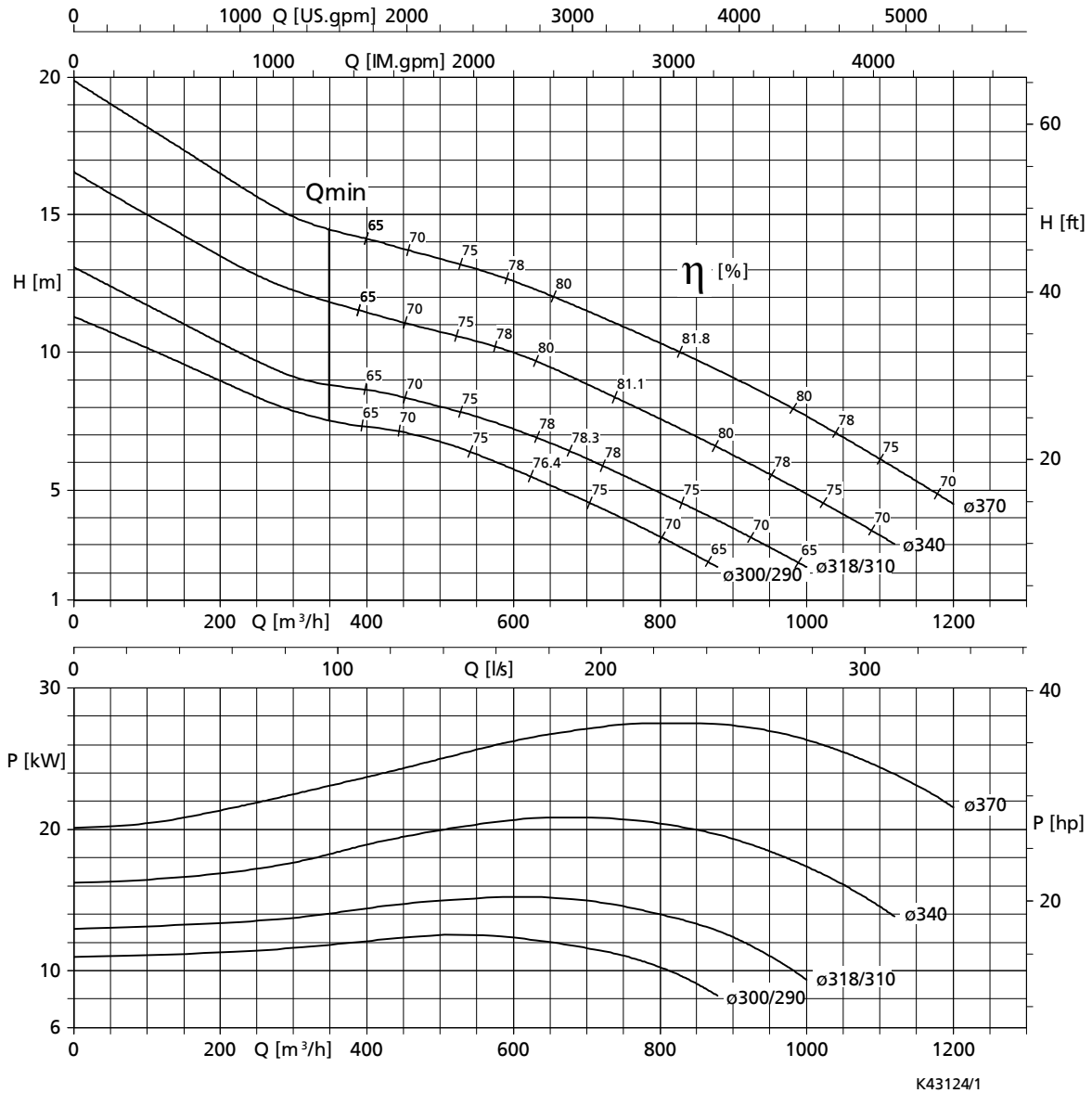
Rated power P_2 and mass moment of inertia $J^{23)}$

Size	Rated power P_2 [kW]	Mass moment of inertia J [kgm ²]
700-371 / 20 6 U / X	18,0	0,65
700-371 / 26 6 U / X	24,0	0,68

23) These values are valid for a density = 1 kg/dm³ and a kinematic viscosity of up to 20 mm²/s.

Amacan K 800-370, n = 960 rpm

Characteristic curves in acc. with ISO 9906 / 2 / 2B. The characteristic curves correspond to the effective motor speed.



Free passage \varnothing 85 mm

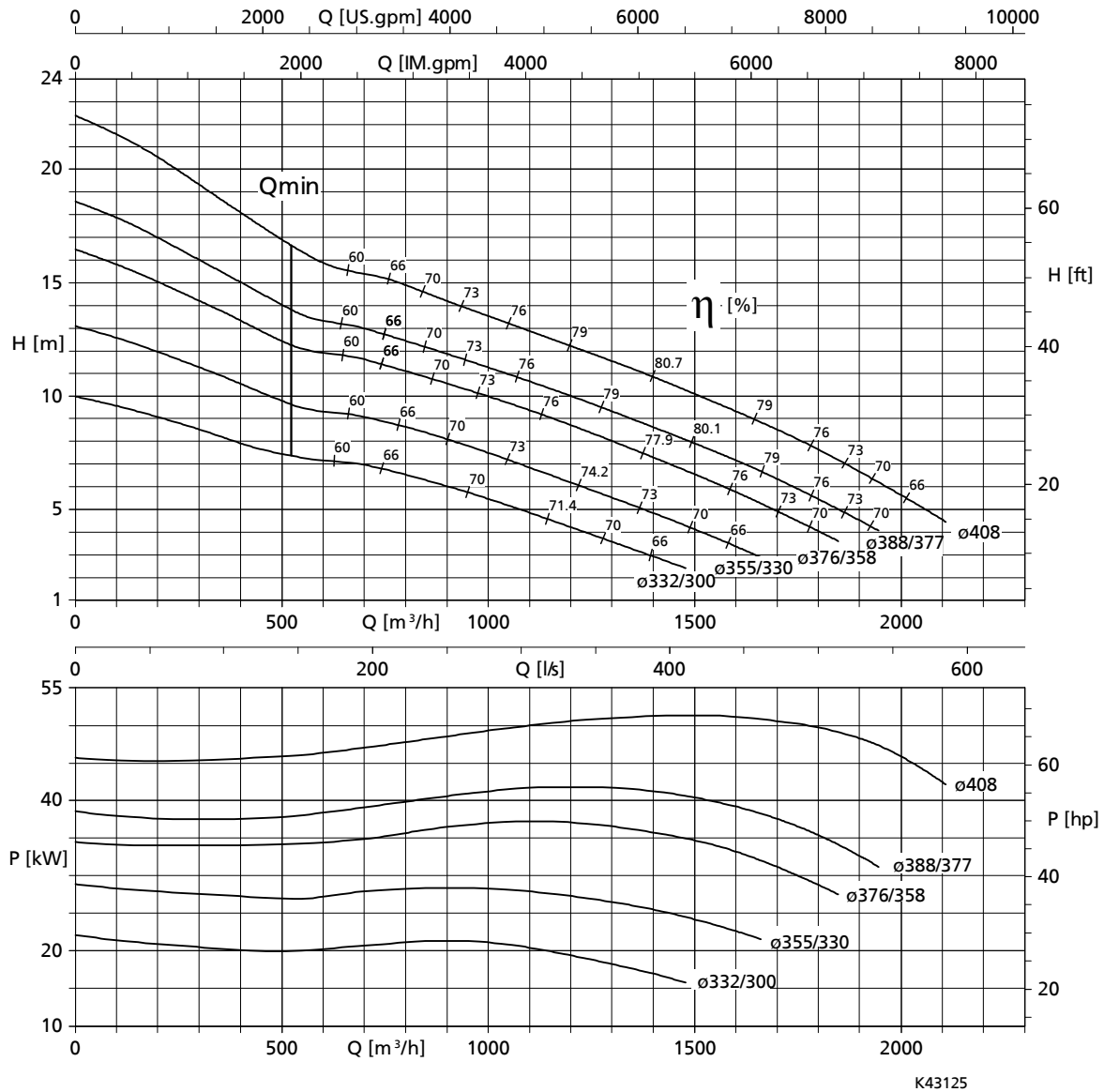
Rated power P_2 and mass moment of inertia $J^{24)}$

Size	Rated power P_2 [kW]	Mass moment of inertia J [kgm ²]
800-370 / 20 6 U / X	18,0	0,6
800-370 / 26 6 U / X	24,0	0,63
800-370 / 32 6 U / X	30,0	0,84
800-370 / 40 6 U / X	40,0	0,92

24) These values are valid for a density = 1 kg/dm³ and a kinematic viscosity of up to 20 mm²/s.

Amacan K 800-400, n = 960 rpm

Characteristic curves in acc. with ISO 9906 / 2 / 2B. The characteristic curves correspond to the effective motor speed.



Free passage Ø 100 mm

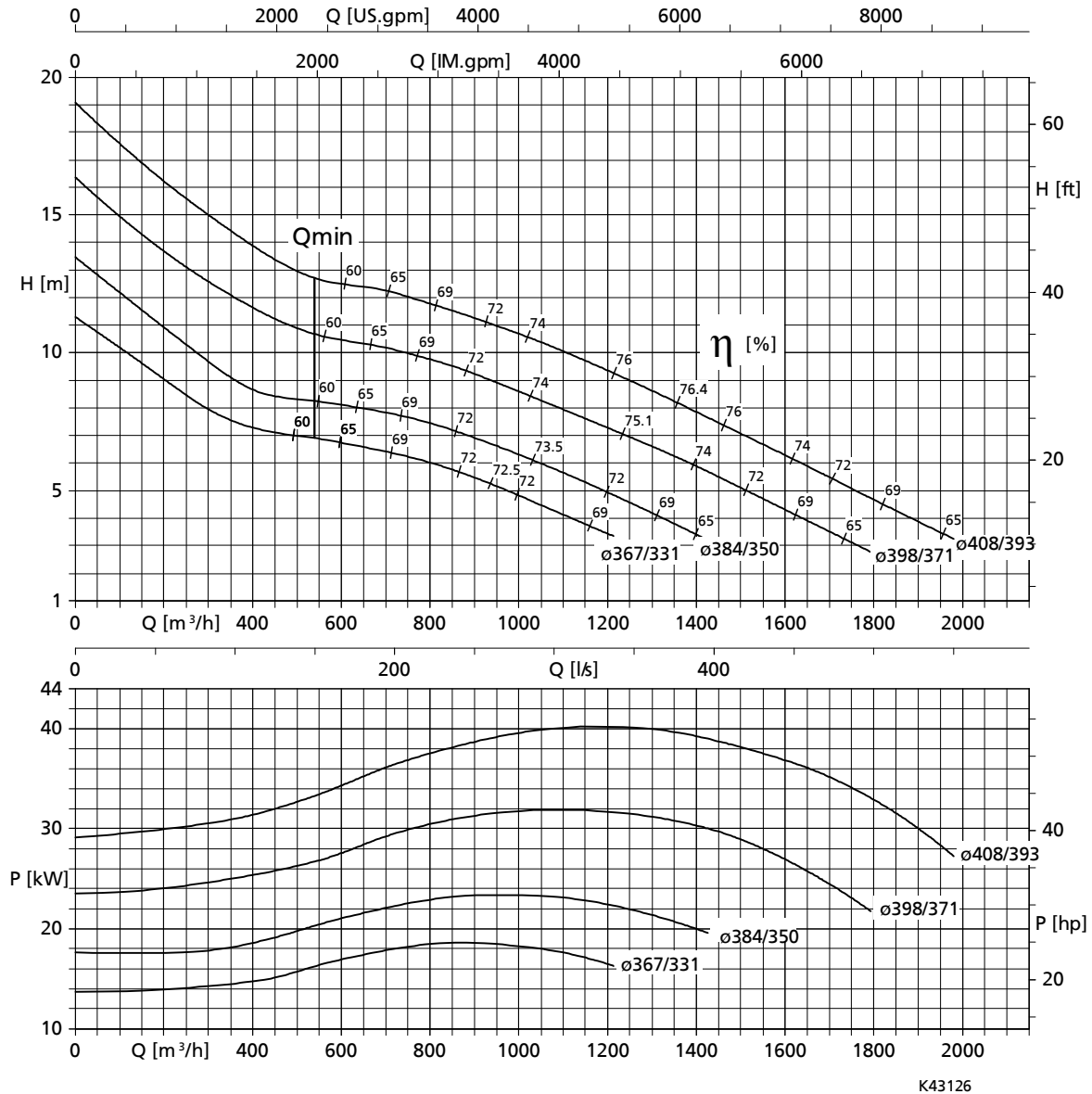
Rated power P_2 and mass moment of inertia $J^{25)}$

Size	Rated power P_2 [kW]	Mass moment of inertia J [kgm ²]
800-400 / 26 6 U / X	24,0	0,88
800-400 / 32 6 U / X	30,0	1,09
800-400 / 40 6 U / X	40,0	1,17
800-400 / 50 6 U / X	48,0	1,26
800-400 / 60 6 UN / XN	60,0	1,41

25) These values are valid for a density = 1 kg/dm³ and a kinematic viscosity of up to 20 mm²/s.

Amacan K 800-401, n = 960 rpm

Characteristic curves in acc. with ISO 9906 / 2 / 2B. The characteristic curves correspond to the effective motor speed.



Free passage \varnothing 135 mm

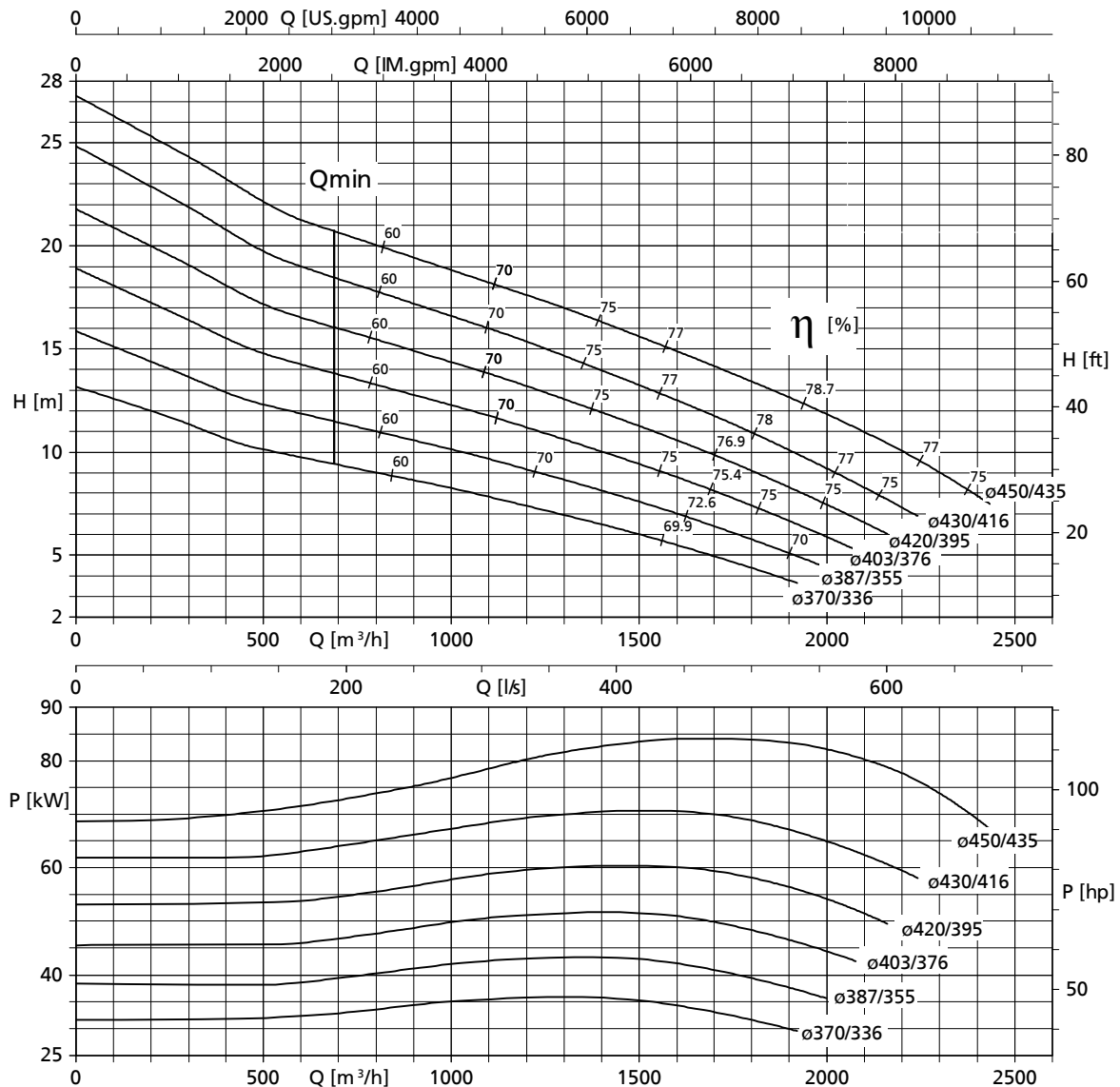
Rated power P_2 and mass moment of inertia $J^{26)}$

Size	Rated power P_2 [kW]	Mass moment of inertia J [kgm ²]
800-401 / 26 6 U / X	24,0	0,88
800-401 / 32 6 U / X	30,0	1,09
800-401 / 40 6 U / X	40,0	1,17
800-401 / 50 6 U / X	48,0	1,26

26) These values are valid for a density = 1 kg/dm³ and a kinematic viscosity of up to 20 mm²/s.

Amacan K 1000-420, n = 960 rpm

Characteristic curves in acc. with ISO 9906 / 2 / 2B. The characteristic curves correspond to the effective motor speed.



K43127

Free passage \varnothing 100 mm

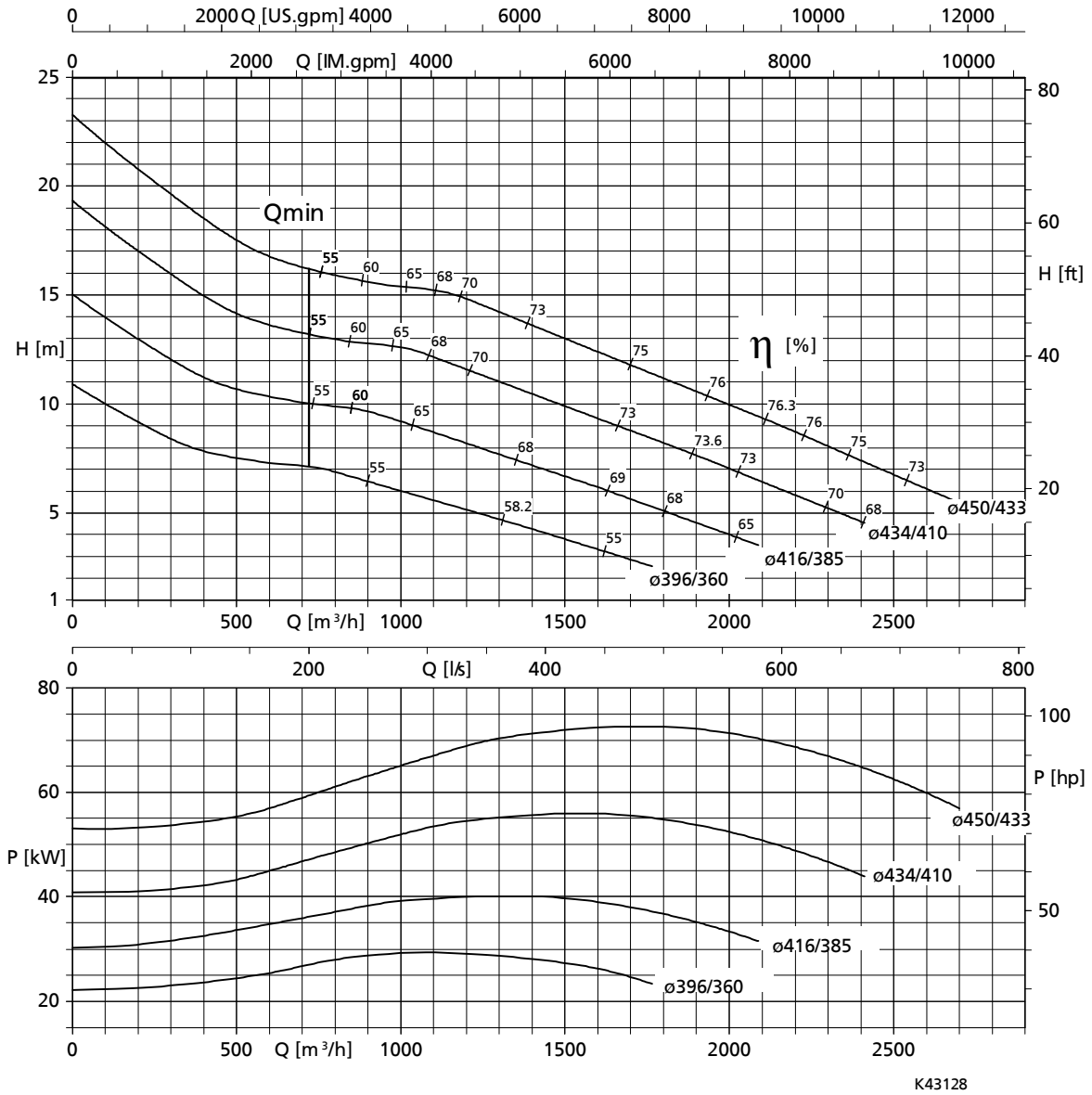
Rated power P_2 and mass moment of inertia $J^{27)}$

Size	Rated power P_2 [kW]	Mass moment of inertia J [kgm ²]
1000-420 / 60 6 UN / XN	60,0	1,88
1000-420 / 80 6 UN / XN	80,0	2,02
1000-420 / 100 6 UN / XN	100,0	2,16

27) These values are valid for a density = 1 kg/dm³ and a kinematic viscosity of up to 20 mm²/s.

Amacan K 1000-421, n = 960 rpm

Characteristic curves in acc. with ISO 9906 / 2 / 2B. The characteristic curves correspond to the effective motor speed.



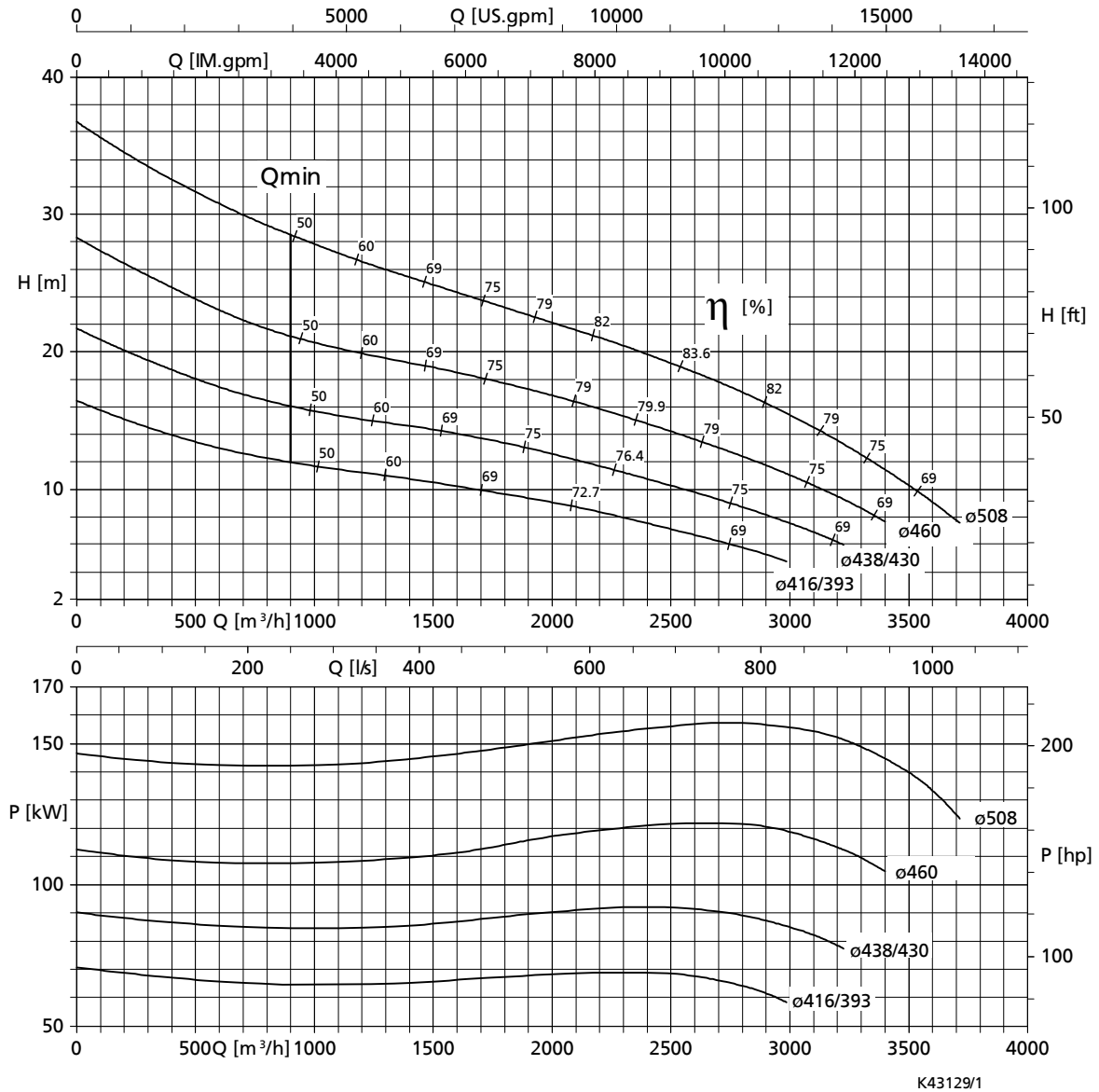
Free passage Ø 140 mm
 Rated power P_2 and mass moment of inertia $J^{28)}$

Size	Rated power P_2 [kW]	Mass moment of inertia J [kgm ²]
1000-421 / 60 6 UN / XN	60,0	1,89
1000-421 / 80 6 UN / XN	80,0	2,03
1000-421 / 100 6 UN / XN	100,0	2,17

28) These values are valid for a density = 1 kg/dm³ and a kinematic viscosity of up to 20 mm²/s.

Amacan K 1000-500, n = 960 rpm

Characteristic curves in acc. with ISO 9906 / 2 / 2B. The characteristic curves correspond to the effective motor speed.



Free passage \varnothing 110 mm

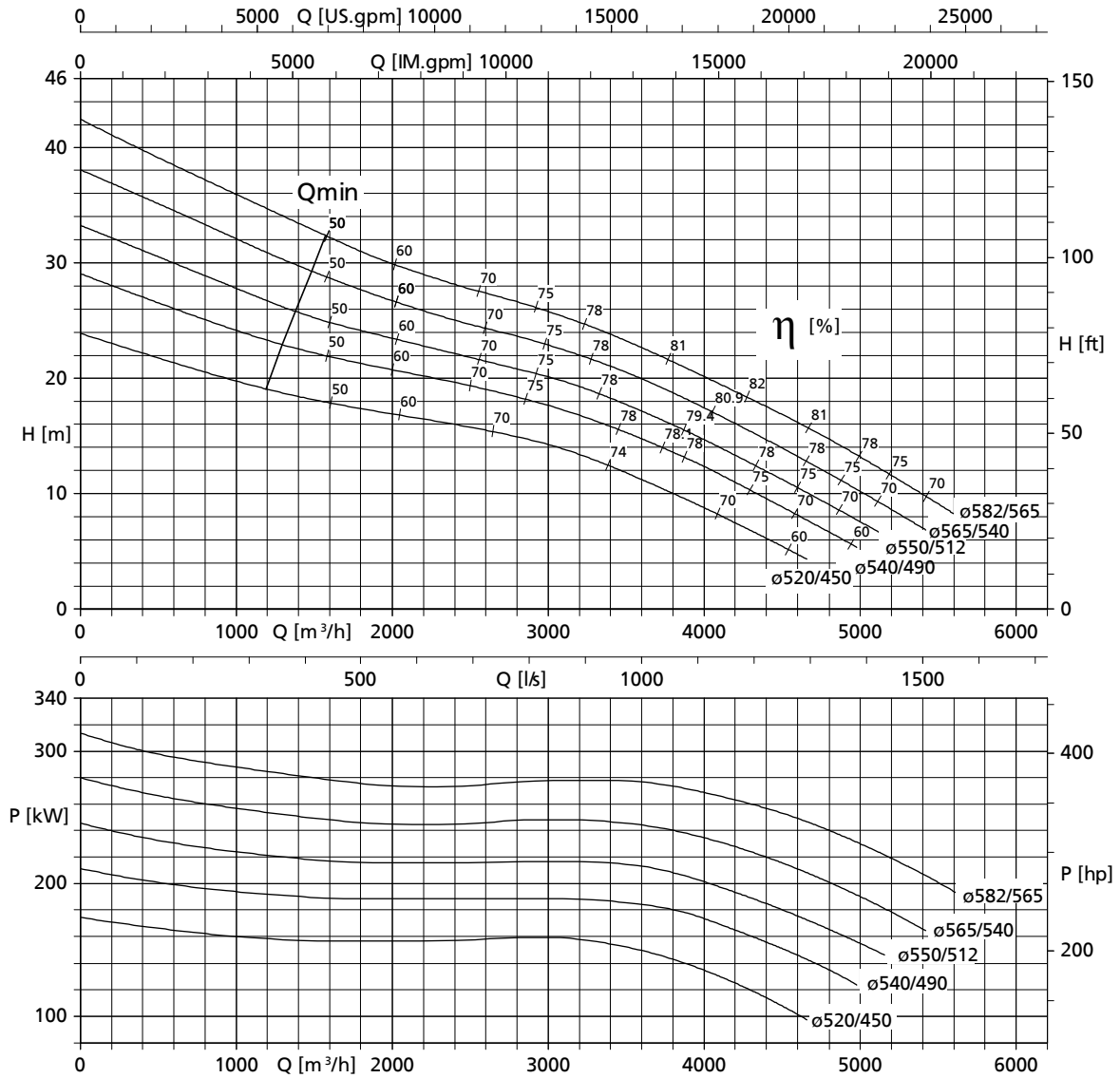
Rated power P_2 and mass moment of inertia $J^{29)}$

Size	Rated power P_2 [kW]	Mass moment of inertia J [kgm ²]
1000-500 / 80 6 UN / XN	80,0	3,92
1000-500 / 100 6 UN / XN	100,0	4,06
1000-500 / 120 6 UN / XN	120,0	5,01
1000-500 / 140 6 UN / XN	140,0	5,37
1000-500 / 165 6 UN / XN	165,0	5,67
1000-500 / 190 6 UN / XN	190,0	10,4

²⁹⁾ These values are valid for a density = 1 kg/dm³ and a kinematic viscosity of up to 20 mm²/s.

Amacan K 1200-630, n = 960 rpm

Characteristic curves in acc. with ISO 9906 / 2 / 2B. The characteristic curves correspond to the effective motor speed.



K42190

Free passage \varnothing 133 mm

Rated power P_2 and mass moment of inertia $J^{30)}$

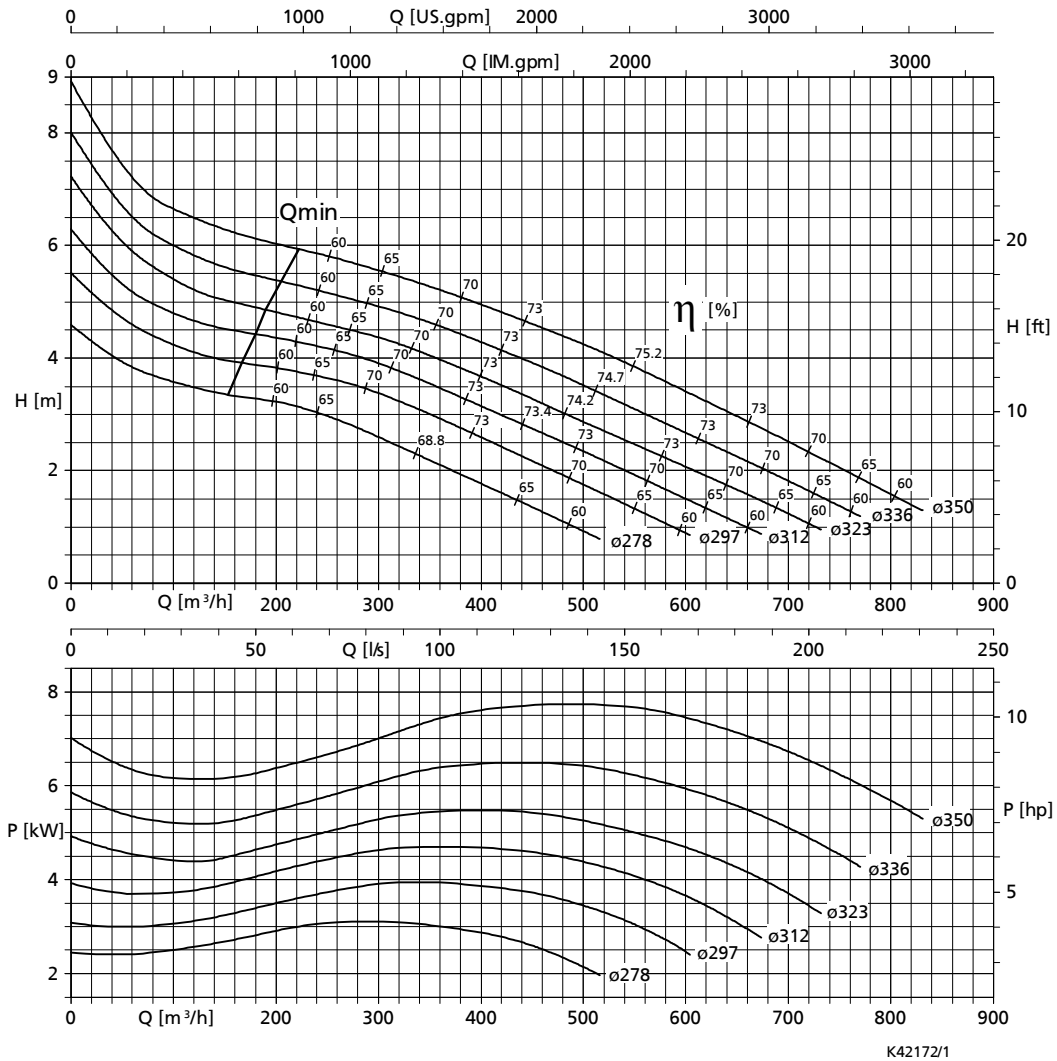
Size	Rated power P_2 [kW]	Mass moment of inertia J [kgm ²]
1200-630 / 190 6 UN / XN	190,0	12,5
1200-630 / 225 6 UN / XN	225,0	13,8
1200-630 / 260 6 UN / XN	260,0	15,1
1200-630 / 320 6 UN / XN	320,0	19,5

³⁰⁾ These values are valid for a density = 1 kg/dm³ and a kinematic viscosity of up to 20 mm²/s.

n = 725 rpm

Amacan K 700-371, n = 725 rpm

Characteristic curves in acc. with ISO 9906 / 2 / 2B. The characteristic curves correspond to the effective motor speed.



Free passage Ø 105 mm

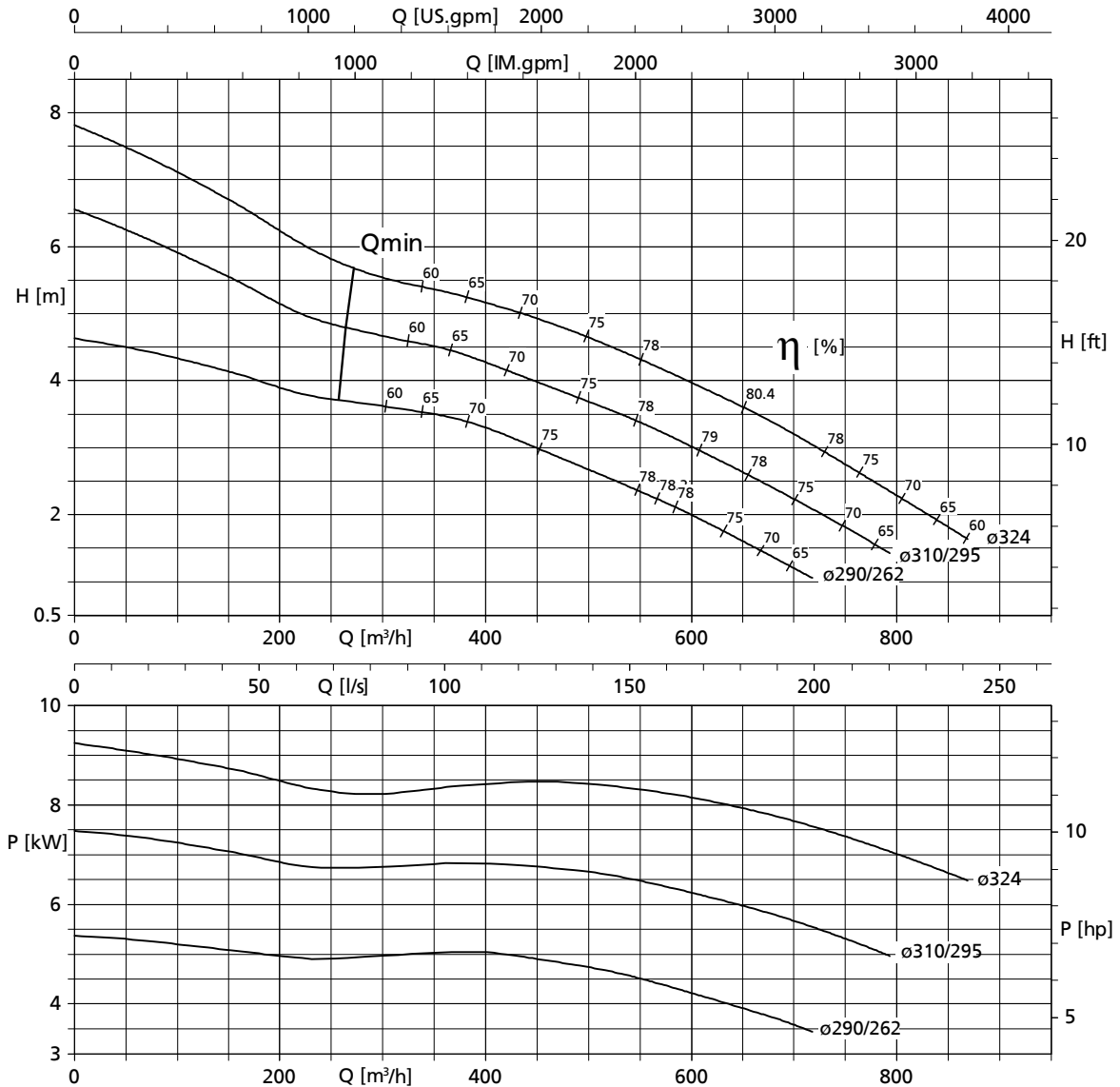
Rated power P_2 and mass moment of inertia $J^{31)}$

Size	Rated power P_2 [kW]	Mass moment of inertia J [kgm ²]
700-371 / 10 8 U / X	10,0	0,64

31) These values are valid for a density = 1 kg/dm³ and a kinematic viscosity of up to 20 mm²/s.

Amacan K 700-324, n = 725 rpm

Characteristic curves in acc. with ISO 9906 / 2 / 2B. The characteristic curves correspond to the effective motor speed.



K42184

Free passage Ø 70 mm

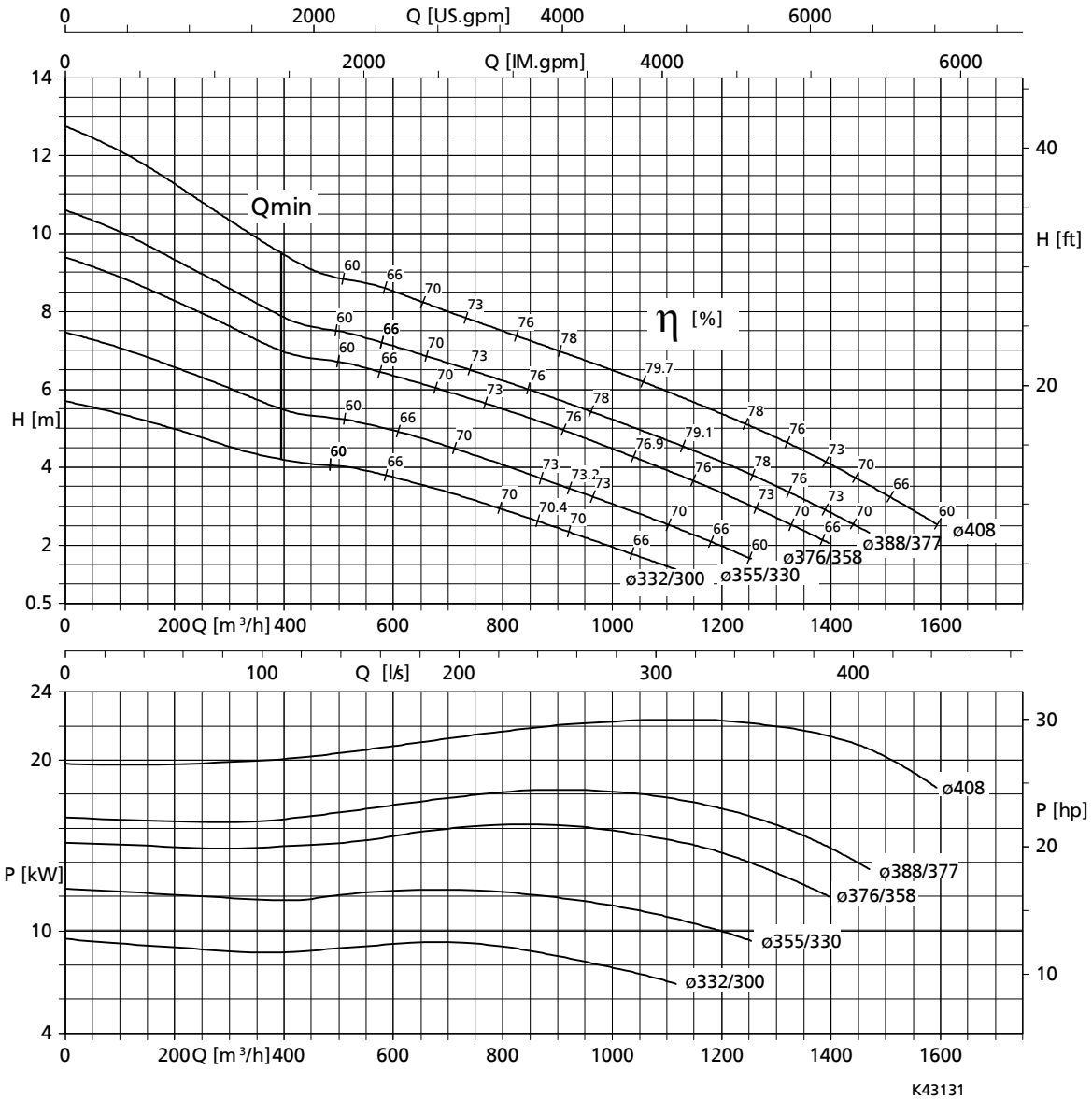
Rated power P_2 and mass moment of inertia $J^{32)}$

Size	Rated power P_2 [kW]	Mass moment of inertia J [kgm ²]
700-324 / 10 8 U / X	10,0	0,54
700-324 / 17 8 U / X	16,0	0,57

32) These values are valid for a density = 1 kg/dm³ and a kinematic viscosity of up to 20 mm²/s.

Amacan K 800-400, n = 725 rpm

Characteristic curves in acc. with ISO 9906 / 2 / 2B. The characteristic curves correspond to the effective motor speed.



Free passage Ø 100 mm

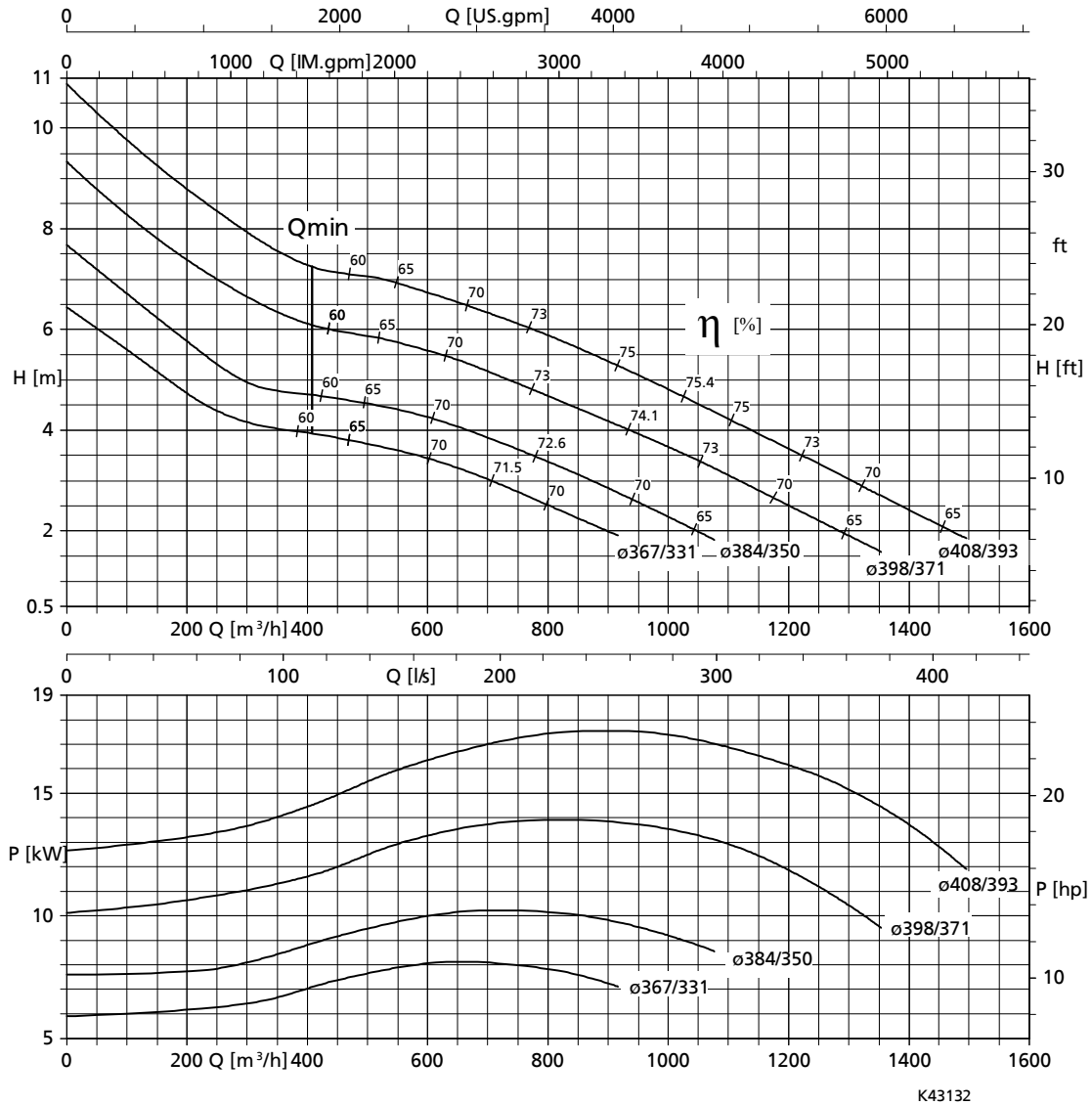
Rated power P_2 and mass moment of inertia $J^{33)}$

Size	Rated power P_2 [kW]	Mass moment of inertia J [kgm ²]
800-400 / 10 8 U / X	10,0	0,84
800-400 / 17 8 U / X	16,0	0,87
800-400 / 21 8 U / X	20,0	0,93
800-400 / 26 8 U / X	28,0	1,12

33) These values are valid for a density = 1 kg/dm³ and a kinematic viscosity of up to 20 mm²/s.

Amacan K 800-401, n = 725 rpm

Characteristic curves in acc. with ISO 9906 / 2 / 2B. The characteristic curves correspond to the effective motor speed.



Free passage \varnothing 135 mm

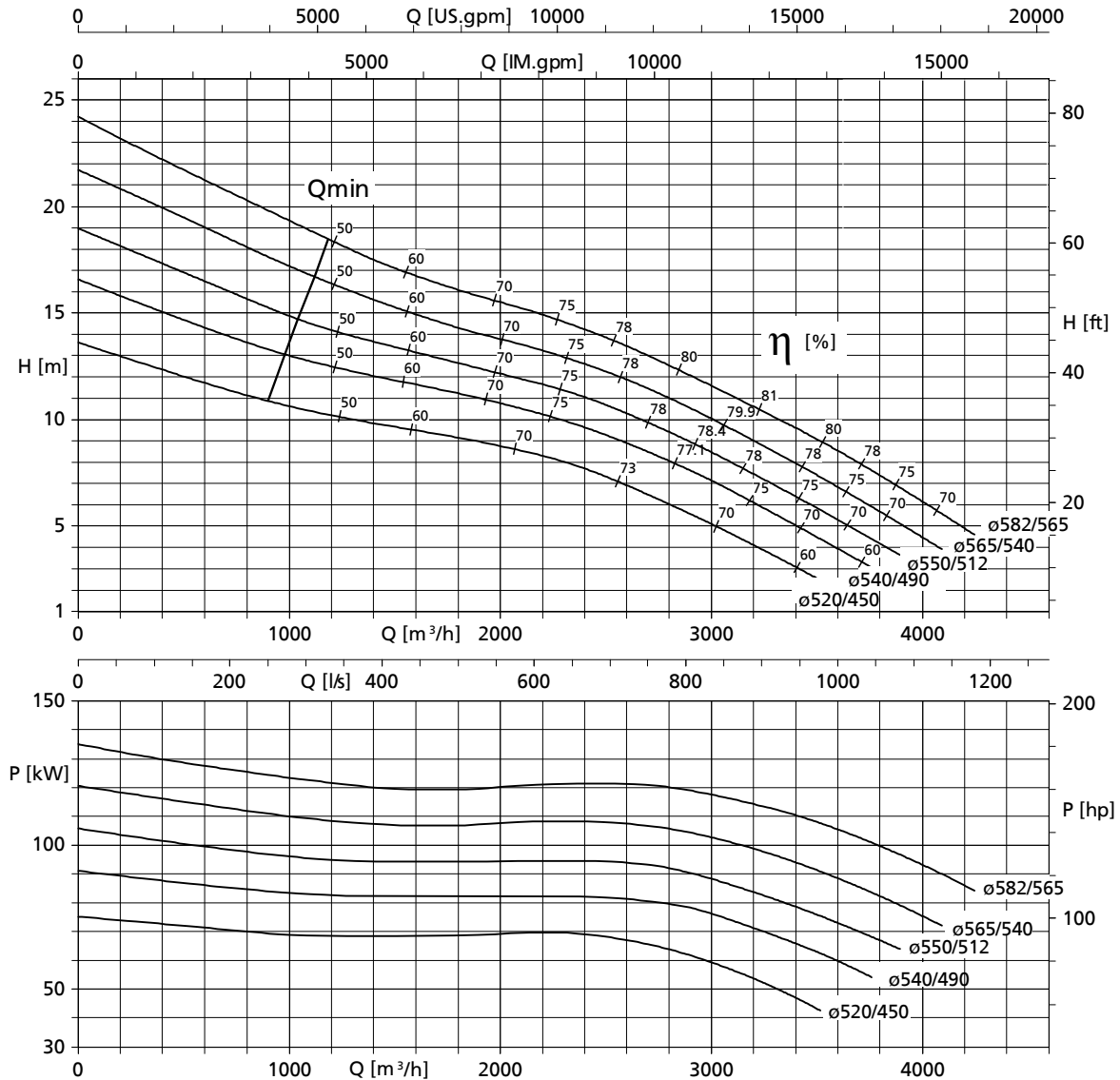
Rated power P_2 and mass moment of inertia $J^{34)}$

Size	Rated power P_2 [kW]	Mass moment of inertia J [kgm ²]
800-401 / 10 8 U / X	10,0	0,84
800-401 / 17 8 U / X	16,0	0,87
800-401 / 21 8 U / X	20,0	0,93
800-401 / 26 8 U / X	28,0	1,12

34) These values are valid for a density = 1 kg/dm³ and a kinematic viscosity of up to 20 mm²/s.

Amacan K 1200-630, n = 725 rpm

Characteristic curves in acc. with ISO 9906 / 2 / 2B. The characteristic curves correspond to the effective motor speed.



K42191

Free passage \varnothing 133 mm

Rated power P_2 and mass moment of inertia $J^{35)}$

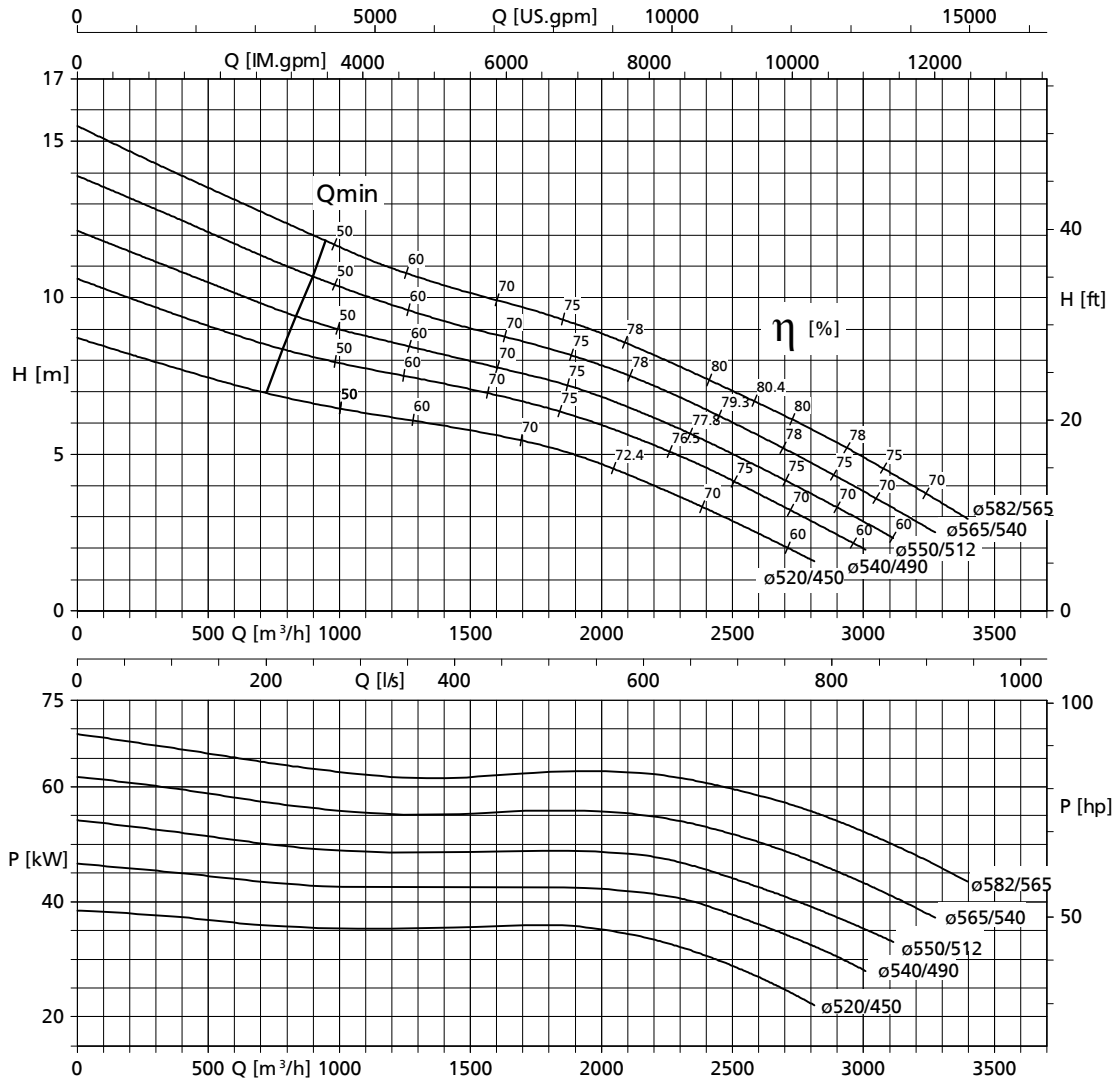
Size	Rated power P_2 [kW]	Mass moment of inertia J [kgm ²]
1200-630 / 90 8 UN / XN	90,0	7,2
1200-630 / 110 8 UN / XN	110,0	7,47
1200-630 / 130 8 UN / XN	130,0	7,77
1200-630 / 150 8 UN / XN	150,0	12,5

35) These values are valid for a density = 1 kg/dm³ and a kinematic viscosity of up to 20 mm²/s.

n = 580 rpm

Amacan K 1200-630, n = 580 rpm

Characteristic curves in acc. with ISO 9906 / 2 / 2B. The characteristic curves correspond to the effective motor speed.



K42192

Free passage Ø 133 mm

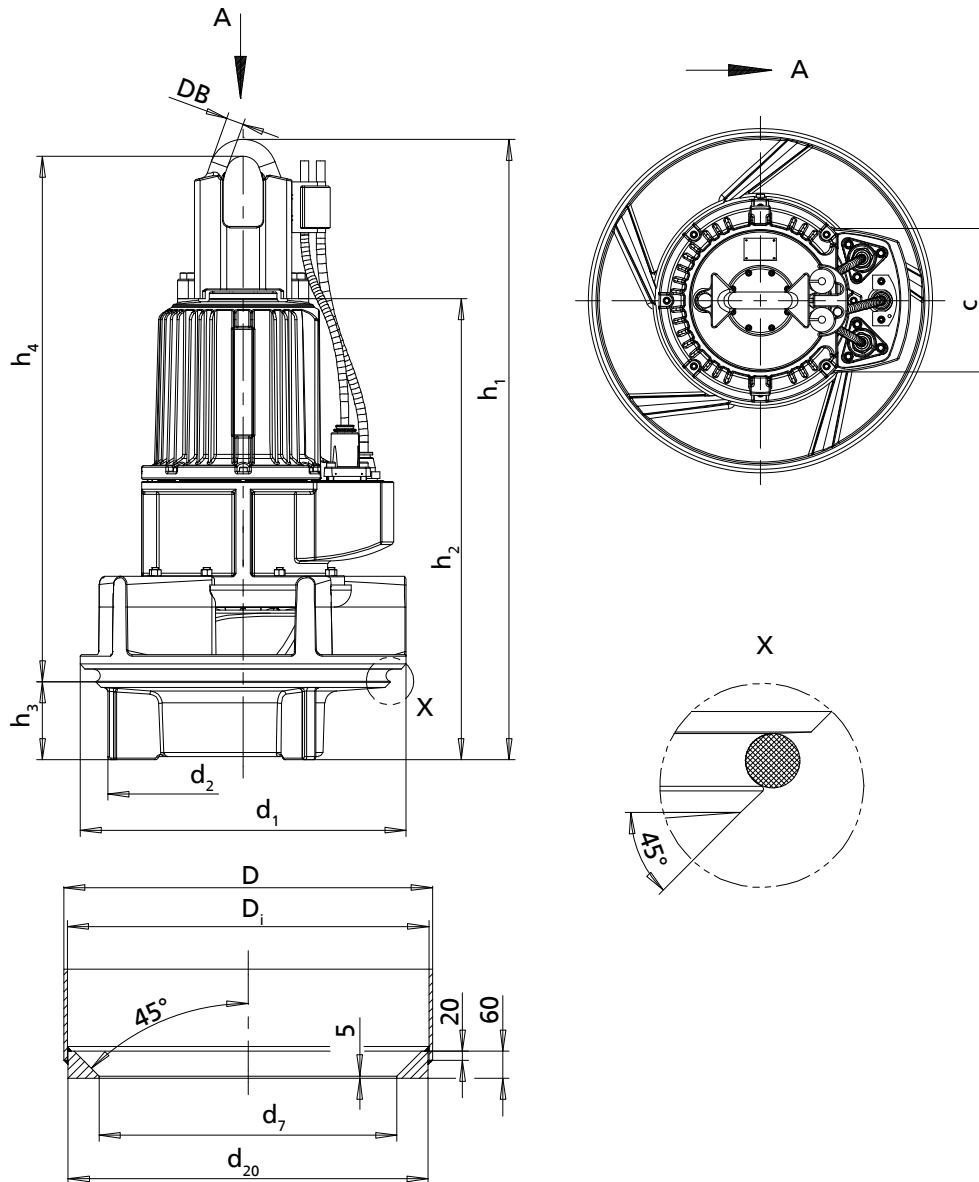
Rated power P_2 and mass moment of inertia $J^{36)}$

Size	Rated power P_2 [kW]	Mass moment of inertia J [kgm²]
1200-630 / 40 10 UN / XN	40,0	6,97
1200-630 / 60 10 UN / XN	60,0	7,15
1200-630 / 75 10 UN / XN	75,0	7,42

36) These values are valid for a density = 1 kg/dm³ and a kinematic viscosity of up to 20 mm²/s.

Dimensions

UG/XG motors (700-324 to 800-401)



Dimensions of the pump set and seat ring

Dimensions [mm]

Pump size	Motor size	Number of poles	Pump									Seat ring			
			h_1	h_2	h_3	h_4	DB	d_1	d_2	c	[kg] ³⁷⁾	d_7	d_{20}	D_i	$D^{38)}$
700-324	20	6	1150	985	151	985	15	670	556	205	411	570	691	695	711
700-324	26	6	1125	960	151	960	15	670	556	205	433	570	691	695	711
700-324	10	8	1150	985	151	985	15	670	556	205	394	570	691	695	711
700-324	17	8	1150	985	151	985	15	670	556	205	410	570	691	695	711
700-330	29	4	1125	960	151	960	15	670	556	205	442	570	691	695	711
700-330	20	6	1150	985	151	985	15	670	556	205	418	570	691	695	711
700-330	26	6	1125	960	151	960	15	670	556	205	440	570	691	695	711

37) Pump set with 10-metre power cable (400 V) and 5-metre support rope

38) D for recommended wall thickness of the discharge tube (see dimension s1 in the General Arrangement Drawings)