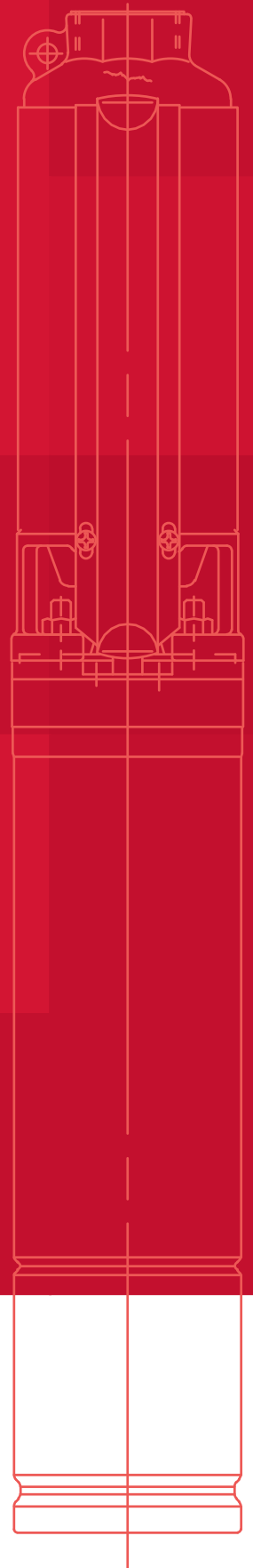


S4G Series

Performance curves

60 Hz



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Performance curves S4G, 60 Hz at 3500 rpm	
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O4I single-phase motors

MOTOR TYPE	P2		Rated Voltage	Capacitor		Operating characteristics				Direct on-line starting			Service Factor	Service Factor AMPS	Max. Water Temp.	Cable Type	
	Kw	HP		μF	V	A	rpm	%	cosφ	Is/In	Ts/Tn	Tmax/Tn	SF	SFA	°C	N x A mm ²	L m
O4I 03 M 236	0.37	0.5	220	20	450	3.40	3495	49.7	0.99	4	1.23	2.98	1.6	4.50	35	4x1.5	1.75
			230			3.45	3500	47.4	0.98	4.13	1.35	3.26		4.42			
O4I 05 M 236	0.55	0.75	220	25	450	4.66	3445	54.3	0.99	3.26	0.84	2.26	1.5	6.23	35	4x1.5	1.75
			230			4.73	3460	52.2	0.97	3.36	0.92	2.47		6			
O4I 07 M 236	0.75	1	220	35	450	5.87	3460	59.8	0.97	3.85	0.74	2.47	1.4	7.41	35	4x1.5	1.75
			230			6.09	3470	56.9	0.94	3.88	0.82	2.72		7.36			
O4I 11 M 236	1.1	1.5	220	40	450	7.61	3450	66.2	0.99	3.64	0.79	2.27	1.3	9.34	35	4x1.5	1.75
			230			7.48	3460	64.4	0.99	3.87	0.87	2.49		9.05			
O4I 15 M 236	1.5	2	220	50	450	10.1	3435	67.8	0.99	3.90	0.63	2.26	1.25	12.2	35	4x1.5	1.75
			230			10.1	3445	66.1	0.97	4.08	0.70	2.49		11.9			
O4I 22 M 236	2.2	3	220	50	450	15.2	3405	70.5	0.93	3.14	0.50	1.79	1.15	17.1	35	4x1.5	1.75
			230			15.7	3420	68.2	0.90	3.18	0.55	1.97		17.1			
O4I 03 M 116	0.37	0.5	110	80	250	6.81	3495	49.8	0.99	4	1.23	2.97	1.6	9.02	35	4x1.5	1.75
			115			6.91	3500	47.5	0.98	4.22	1.36	3.32		8.86			
O4I 05 M 116	0.55	0.75	110	100	250	9.68	3480	53.4	0.98	3.63	0.63	2.72	1.5	12.3	35	4x1.5	1.75
			115			10.2	3490	49.9	0.94	3.54	0.67	2.98		12.3			
O4I 07 M 116	0.75	1	110	140	250	11.5	3480	60.7	0.98	4.05	0.56	2.94	1.4	14.5	35	4x1.5	1.75
			115			11.9	3490	57.8	0.95	4.06	0.59	3.02		14.3			
O4I 11 M 116	1.1	1.5	110	160	250	20.1	3465	69.1	0.99	4.05	0.46	2.37	1.3	18.1	35	4x1.5	1.75
			115			14.5	3475	67.3	0.98	4.46	0.49	2.57		17.7			

O4I three-phase motors

MOTOR TYPE	P2		Rated Voltage	Operating characteristics				Direct on-line starting			Service Factor	Service Factor AMPS	Max. Water Temp. °C	Cable Type	
	Three-phase	Kw	HP	V	A	rpm	%	cosφ	Is/In	Ts/Tn	Tmax/Tn	SF	SFA	N x A mm ²	L m
O4I 03 T 236		0.37	0.5	220	2.68	3485	58.5	0.62	6.40	5.71	4.73	1.6	3.17	35	4x1.5
				230	2.93	3495	56.4	0.56	6.19	6.33	5.25				
O4I 05 T 236		0.55	0.75	220	3.26	3430	62.3	0.71	5.52	4.40	3.22	1.5	4	35	4x1.5
				230	3.45	3450	61.1	0.65	5.48	4.91	3.59				
O4I 07 T 236		0.75	1	220	4.54	3450	66.3	0.66	5.58	4.23	3.27	1.4	5.21	35	4x1.5
				230	5.01	3465	63.7	0.59	5.32	4.69	3.62				
O4I 11 T 236		1.1	1.5	220	5.66	3425	71.5	0.72	5.45	3.80	2.89	1.3	6.53	35	4x1.5
				230	6.06	3445	70.1	0.65	5.37	4.24	3.22				
O4I 15 T 236		1.5	2	220	7.45	3430	74.4	0.71	5.73	3.64	3.01	1.25	8.40	35	4x1.5
				230	7.98	3445	72.6	0.65	5.62	4.05	3.35				
O4I 22 T 236		2.2	3	220	10.8	3425	75.7	0.71	5.53	3.63	2.90	1.15	11.6	35	4x1.5
				230	11.9	3440	72.6	0.64	5.32	4.04	3.22				
O4I 30 T 236		3	4	220	13.2	3455	76.3	0.79	5.41	2.44	2.79	1.15	14.5	35	4x1.5
				230	13.8	3470	75.7	0.72	5.46	2.72	3.11				
O4I 40 T 236		4	5.5	220	15.7	3435	78.9	0.85	5.85	1.81	2.70	1.15	17.7	35	4x1.5
				230	15.7	3455	78.8	0.81	6.17	2.02	3.01				
O4I 55 T 236		5.5	7.5	220	21.4	3415	78.6	0.86	5.48	1.63	2.51	1.15	24.4	35	4x2.5
				230	21.2	3440	78.5	0.83	5.81	1.82	2.79				
O4I 75 T 236		7.5	10	220	33.5	3460	78.7	0.75	6.28	2.53	3.41	1.15	36.8	35	4x2.5
				230	35.4	3475	77.6	0.68	6.26	2.81	3.79				
O4I 03 T 386		0.37	0.5	380	1.55	3485	58.5	0.62	6.40	5.71	4.73	1.6	1.83	35	4x1.5
O4I 05 T 386		0.55	0.75	380	1.88	3430	62.3	0.71	5.52	4.40	3.22	1.5	2.31	35	4x1.5
O4I 07 T 386		0.75	1	380	2.62	3450	66.3	0.66	5.58	4.23	3.27	1.4	3.01	35	4x1.5
O4I 11 T 386		1.1	1.5	380	3.27	3425	71.5	0.72	5.45	3.80	2.89	1.3	3.77	35	4x1.5
O4I 15 T 386		1.5	2	380	4.30	3430	74.4	0.71	5.73	3.64	3.01	1.25	4.85	35	4x1.5
O4I 22 T 386		2.2	3	380	6.25	3425	75.7	0.71	5.53	3.63	2.90	1.15	6.69	35	4x1.5
O4I 30 T 386		3	4	380	7.61	3455	76.3	0.79	5.41	2.44	2.79	1.15	8.35	35	4x1.5
O4I 40 T 386		4	5.5	380	9.05	3435	78.9	0.85	5.85	1.81	2.70	1.15	10.2	35	4x1.5
O4I 55 T 386		5.5	7.5	380	12.3	3415	78.6	0.86	5.48	1.63	2.51	1.15	14.1	35	4x1.5
O4I 75 T 386		7.5	10	380	19.4	3460	78.7	0.75	6.28	2.53	3.41	1.15	21.2	35	4x1.5

A4I single-phase motors

MOTOR TYPE	P2		Rated Voltage	Capacitor		Operating characteristics				Direct on-line starting		Service Factor	Max. Water Temp. °C	Cable Type	
	Kw	HP		µF	V	A	rpm	%	cosφ	Is/In	Ts/Tn			Nc x sec mm ²	L m
Single-phase															
A4I 03 M 236	0.37	0.5	220	20	450	5.3	3460	55	0.93	4	0.60	1.6	35	4x1.5	1.7
			230			5.5	3480	52	0.89	3.87	0.65				
A4I 05 M 236	0.55	0.75	220	25	450	7	3460	60	0.89	3.90	0.60	1.5	35	4x1.5	1.7
			230			7.4	3485	57	0.84	3.70	0.65				
A4I 07 M 236	0.75	1	220	35	450	8.5	3485	59	0.93	5	0.60	1.4	35	4x1.5	1.7
			230			8.9	3500	57	0.89	4.80	0.65				
A4I 11 M 236	1.1	1.5	220	40	450	12.2	3480	61	0.88	4.30	0.66	1.3	35	4x1.5	1.7
			230			12.7	3485	58	0.84	4.10	0.72				
A4I 15 M 236	1.5	2	220	50	450	13.1	3430	65	0.98	4.30	0.60	1.25	35	4x1.5	1.7
			230			12.8	3455	65	0.97	4.60	0.65				
A4I 22 M 236	2.2	3	220	50	450	17.6	3410	68	0.96	3.30	0.44	1.15	35	4x1.5	1.7
			230			17.1	3420	67	0.96	3.60	0.48				
A4I 40 M 116	4	5.5	220	75	450	30.7	3440	74	0.93	3.80	0.32	1.15	35	4x2	1.7
			230			29.7	3460	74	0.92	4.10	0.34				
A4I 03 M 116	0.37	0.5	110	80	450	10.6	3460	55	0.93	4	0.60	1.6	35	4x1.5	1.7
			115			11	3480	52	0.89	3.87	0.65				
A4I 05 M 116	0.55	0.75	110	100	450	14	3460	60	0.89	3.90	0.60	1.5	35	4x1.5	1.7
			115			14.8	3485	57	0.84	3.70	0.65				
A4I 07 M 116	0.75	1	110	140	450	17	3485	59	0.93	5	0.60	1.4	35	4x1.5	1.7
			115			17.8	3500	57	0.89	4.80	0.65				

A4I three-phase motors

MOTOR TYPE	P2		Rated Voltage	Operating characteristics				Direct on-line starting		Service Factor	Max. Water Temp. °C	Cable Type	
	Three-phase	Kw		HP	V	A	rpm	%	cosφ			Is/In	Ts/Tn
A4I 03 T 236	0.37	0.5	220	3.5	3400	57	0.78	4.6	3.2	1.6	35	4x1.5	1.7
			230	3.8	3415	51	0.76	5	3.4				
A4I 05 T 236	0.55	0.75	220	4.6	3440	58	0.82	5.1	3.6	1.5	35	4x1.5	1.7
			230	4.8	3450	56	0.77	5.4	4				
A4I 07 T 236	0.75	1	220	5.3	3450	69	0.74	5.3	4.2	1.4	35	4x1.5	1.7
			230	5.6	3460	65	0.72	5.7	4.8				
A4I 11 T 236	1.1	1.5	220	7.5	3450	68	0.75	6	4.1	1.3	35	4x1.5	1.7
			230	7.8	3465	65	0.72	6.6	4.5				
A4I 15 T 236	1.5	2	220	9.4	3470	73	0.71	6.1	5	1.25	35	4x1.5	1.7
			230	9.8	3490	70	0.68	6.7	5.4				
A4I 22 T 236	2.2	3	220	11.5	3450	76	0.77	6.6	4.8	1.15	35	4x1.5	1.7
			230	12	3470	72	0.75	7.1	5.2				
A4I 30 T 236	3	4	220	16.5	3460	73	0.73	7.2	4.2	1.15	35	4x1.5	2.7
			230	17.3	3480	72	0.70	7.5	4.4				
A4I 40 T 236	4	5.5	220	18.8	3470	82	0.80	6.8	4	1.15	35	4x2	2.7
			230	19.2	3490	78	0.78	7.4	4.4				
A4I 55 T 236	5.5	7.5	220	25.4	3480	83	0.80	6.9	3.8	1.15	35	4x2	2.7
			230	26	3500	80	0.78	7.5	4.2				
A4I 03 T 386	0.37	0.5	380	2.3	3415	51	0.76	5.2	3.2	1.6	35	4x1.5	1.7
A4I 05 T 386	0.55	0.75	380	2.9	3450	56	0.77	5.8	3.6	1.5	35	4x1.5	1.7
A4I 07 T 386	0.75	1	380	3.4	3460	65	0.72	5.8	4.2	1.4	35	4x1.5	1.7
A4I 11 T 386	1.1	1.5	380	4.7	3465	65	0.72	6.6	4.1	1.3	35	4x1.5	1.7
A4I 15 T 386	1.5	2	380	5.9	3490	70	0.68	6.8	5	1.25	35	4x1.5	1.7
A4I 22 T 386	2.2	3	380	7.2	3470	72	0.75	7.1	4.8	1.15	35	4x1.5	1.7
A4I 30 T 386	3	4	380	9.5	3460	73	0.73	7.2	4.2	1.15	35	4x1.5	1.7
A4I 40 T 386	4	5.5	380	11.6	3490	78	0.78	7.5	4	1.15	35	4x1.5	2.7
A4I 55 T 386	5.5	7.5	380	15.7	3500	80	0.78	7.5	3.8	1.15	35	4x1.5	2.7
A4I 75 T 386	7.5	10	380	20	3480	81	0.80	7.1	3.9	1.15	35	4X2	3.5

S4G 1 series

PUMP	P2		l/min	0	10	15	20	25	27
TYPE	kW	HP	m³/h	0	0.6	0.9	1.2	1.5	1.62
S4G 1 036	0.37	0.5		58	51.1	45	38	28	23
S4G 1 056	0.55	0.75		96	85.2	75	63	46	38.3
S4G 1 076	0.75	1		135	119	105	88	65	53.6
S4G 1 116	1.1	1.5		192	171	151	126	93	76.6
S4G 1 156	1.5	2		269	239	211	176	130	107

S4G 2 series

PUMP	P2		l/min	0	25	30	40	50	60
TYPE	kW	HP	m³/h	0	1.5	1.8	2.4	3	3.6
S4G 2 036	0.37	0.5		39	36	34	30	24	16
S4G 2 056	0.55	0.75		59	53	51	45	36	25
S4G 2 076	0.75	1		79	71	68	60	48	33
S4G 2 116	1.1	1.5		118	107	102	90	72	49
S4G 2 156	1.5	2		158	142	137	119	96	66
S4G 2 226	2.2	3		217	196	188	164	132	90
S4G 2 306	3	4		296	267	256	224	179	123

S4G 4 series

PUMP	P2		l/min	0	35	50	70	90	108
TYPE	kW	HP	m³/h	0	2.1	3	4.2	5.4	6.5
S4G 4 056	0.55	0.75		39	35.5	33	29	22	14
S4G 4 076	0.75	1		49	44.5	42	36	28	17
S4G 4 116	1.1	1.5		79	71	67	58	43	27
S4G 4 156	1.5	2		99	89	83	72	55	34
S4G 4 226	2.2	3		148	133	125	108	82	51
S4G 4 306	3	4		187	169	158	137	105	65
S4G 4 406	4	5.5		266	240	225	193	149	92

S4G 6 series

PUMP	P2		l/min	0	60	80	120	140	160
TYPE	kW	HP	m³/h	0	3.6	4.8	7.2	8.4	9.6
S4G 6 076	0.75	1		36	30.2	28	23	18	13.6
S4G 6 116	1.1	1.5		54	45.3	42	34	28	20.4
S4G 6 156	1.5	2		72	60.4	56	45	37	27.2
S4G 6 226	2.2	3		107	90.6	85	67	55	40.8
S4G 6 306	3	4		143	121	113	90	74	54.4
S4G 6 406	4	5.5		188	159	148	118	97	71.4
S4G 6 556	5.5	7.5		260	219	205	163	133	98.6

S4G 8 series

PUMP	P2		l/min	0	83	120	160	200	225
TYPE	kW	HP	m³/h	0	5	7.2	9.6	12	13.5
S4G 8 116	1.1	2		28	25.5	24	21	17	12
S4G 8 156	1.5	2		47	42.5	40	35	28	21
S4G 8 226	2.2	3		66	59	56	50	39	29
S4G 8 306	3	4		94	85	80	71	55	41
S4G 8 406	4	5.5		122	110	104	92	72	53
S4G 8 556	5.5	7.5		160	144	136	120	94	70
S4G 8 756	7.5	10		216	196	184	163	127	92

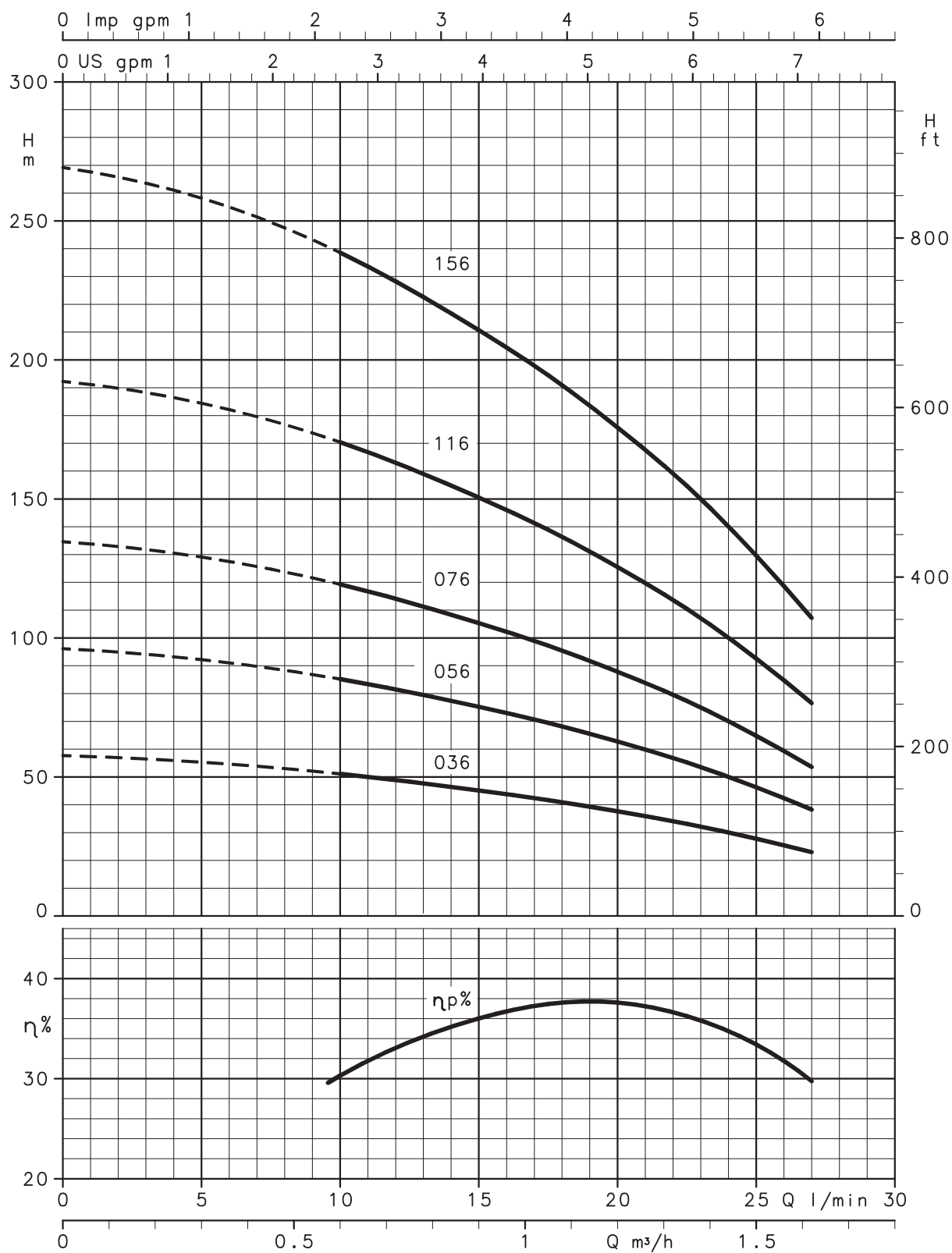
S4G 12 series

PUMP	P2		l/min	0	100	150	175	200	250
TYPE	kW	HP	m³/h	0	6	9	10.5	12	15
S4G 12 15	1.5	2		43.9	37.3	31	28	24	14.6
S4G 12 22	2.2	3		69	58.4	49	43	37	22.5
S4G 12 30	3	4		94	79.4	67	59	50	30
S4G 12 40	4	5.5		128.6	109.9	94	84	73	46
S4G 12 55	5.5	7.5		173.6	148.3	127	113	98	62
S4G 12 75	7.5	10		221.8	190.2	163	146	126	80

S4G 16 series

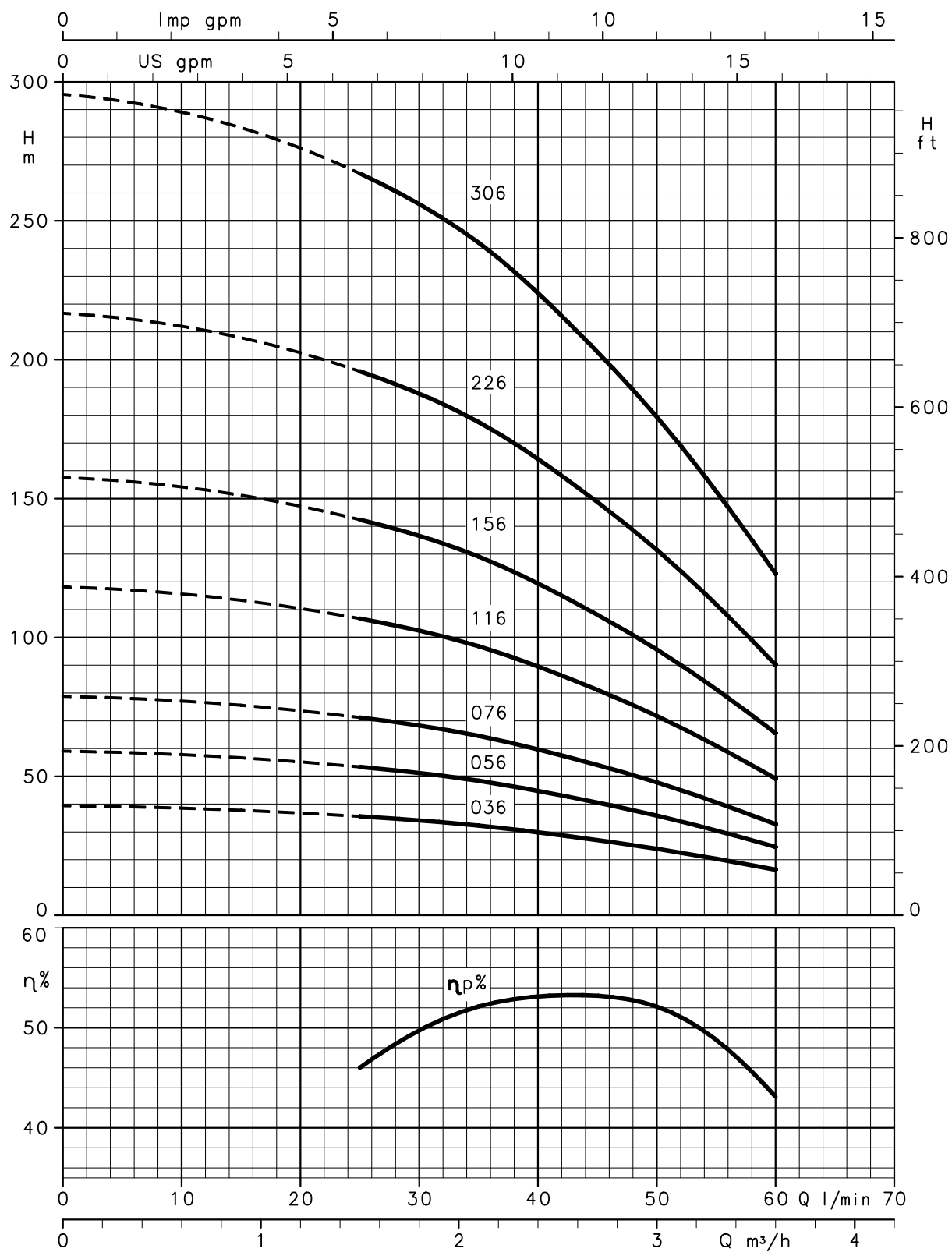
PUMP	P2		l/min	0	160	200	300	350	450
TYPE	kW	HP	m³/h	0	9.6	12	18	21	27
S4G 16 226	2.2	3		44	37	34	27	23	14
S4G 16 306	3	4		53	44	41	33	28	17
S4G 16 406	4	5.5		71	58	55	44	37	22
S4G 16 556	5.5	7.5		97	80	75	60	51	30
S4G 16 756	7.5	10		133	111	102	82	69	42

S4G 1 series



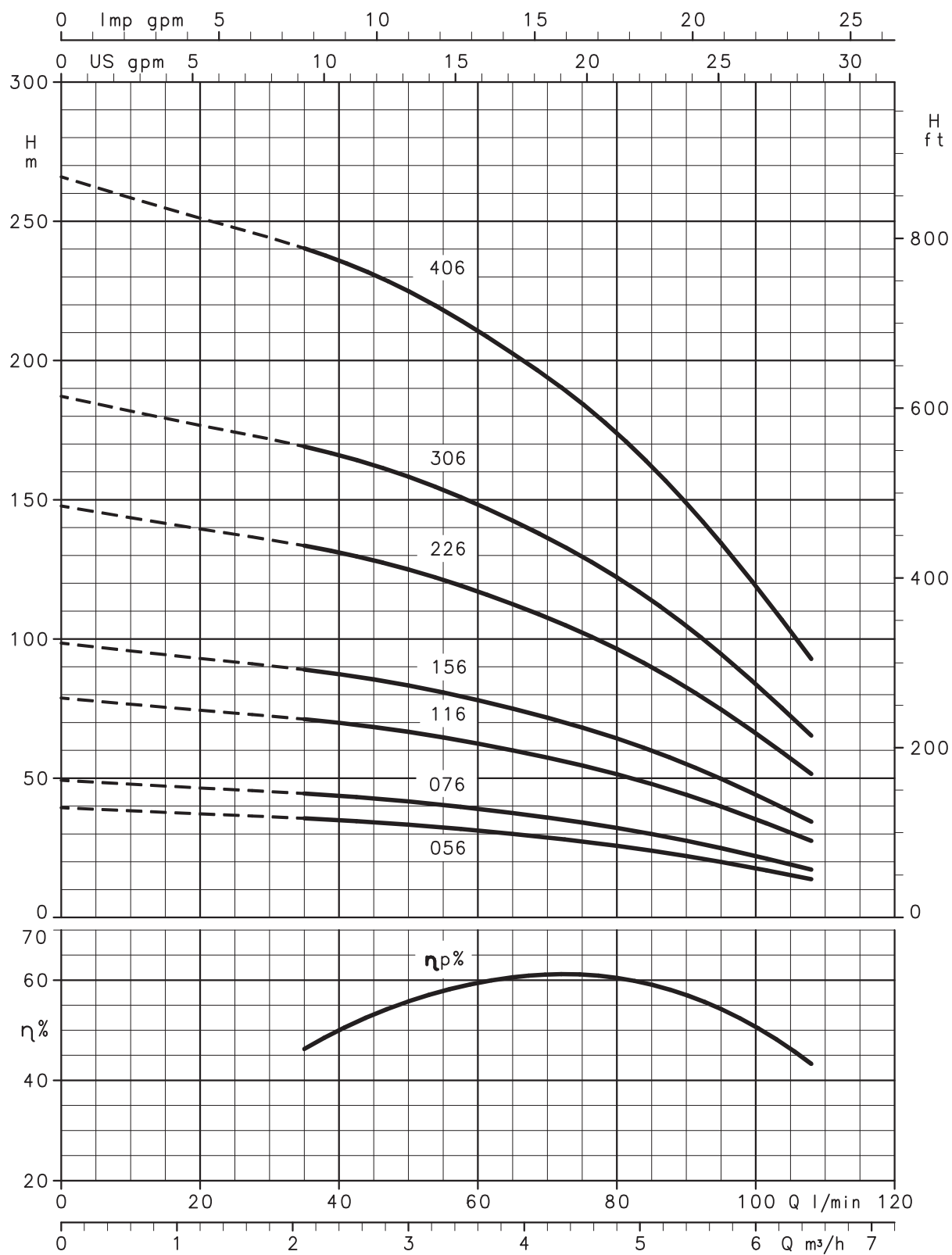
The performances are valid for liquids with density $\rho = 1,0 \text{ kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{sec}$.

S4G 2 Series



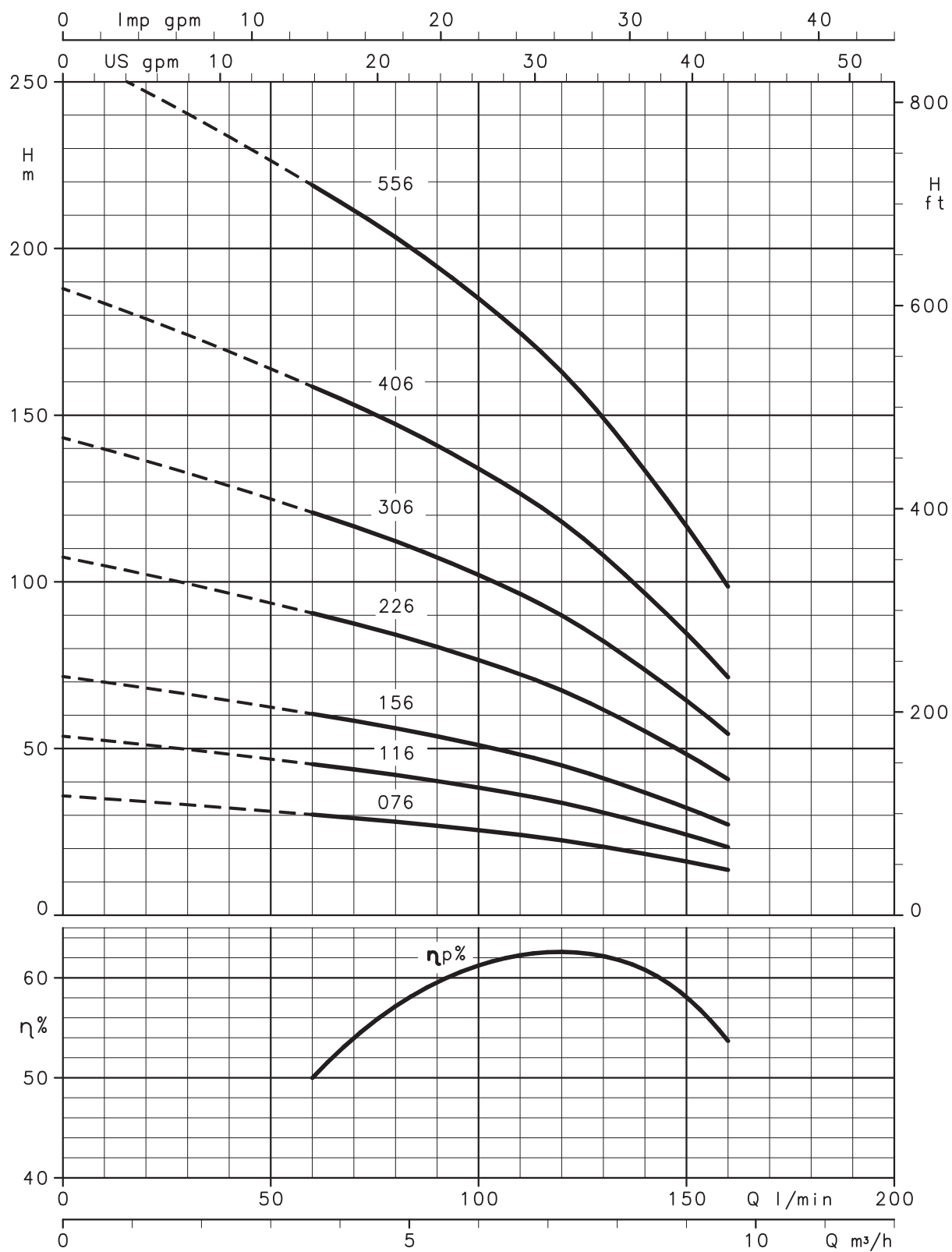
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S4G 4 series



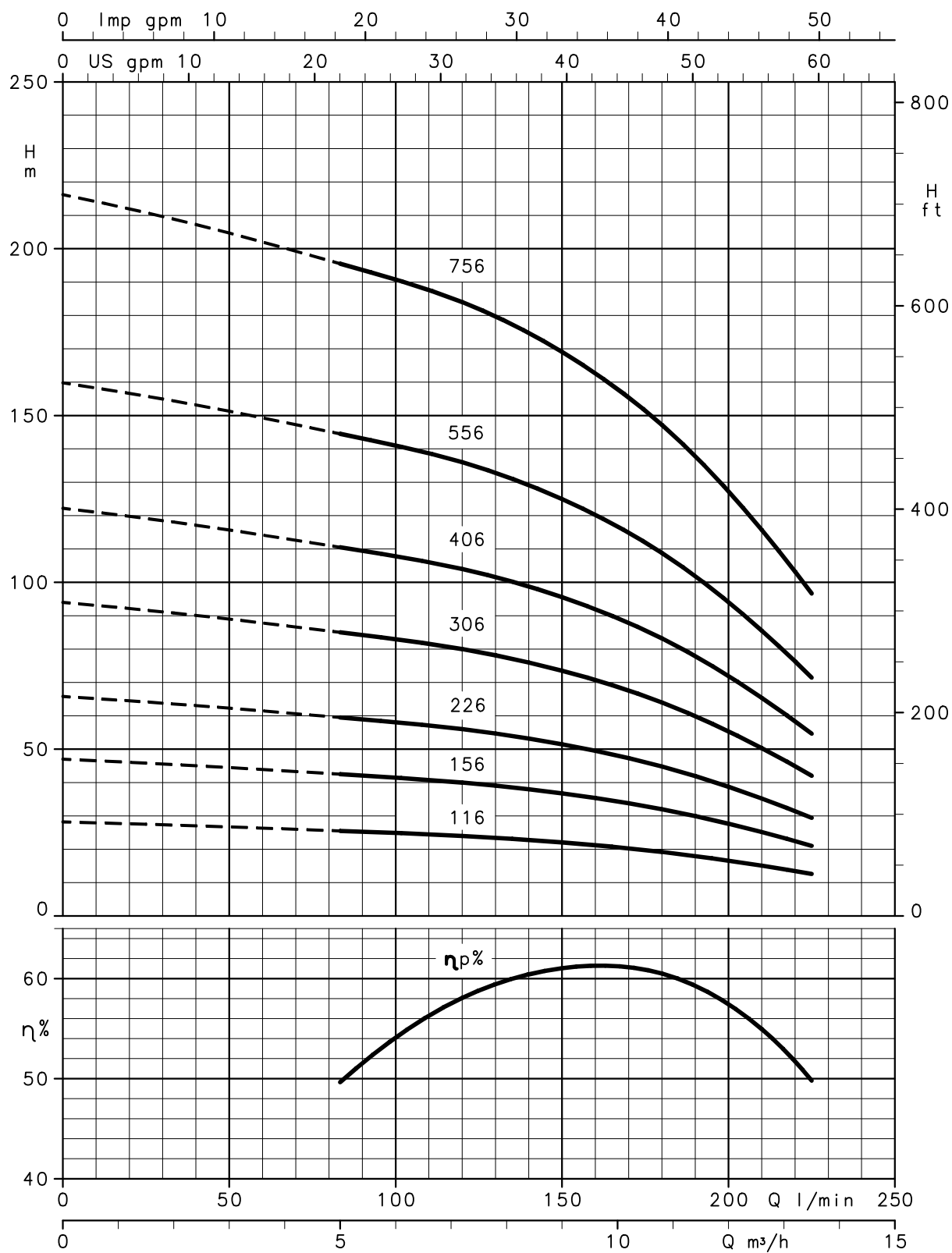
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S4G 6 series



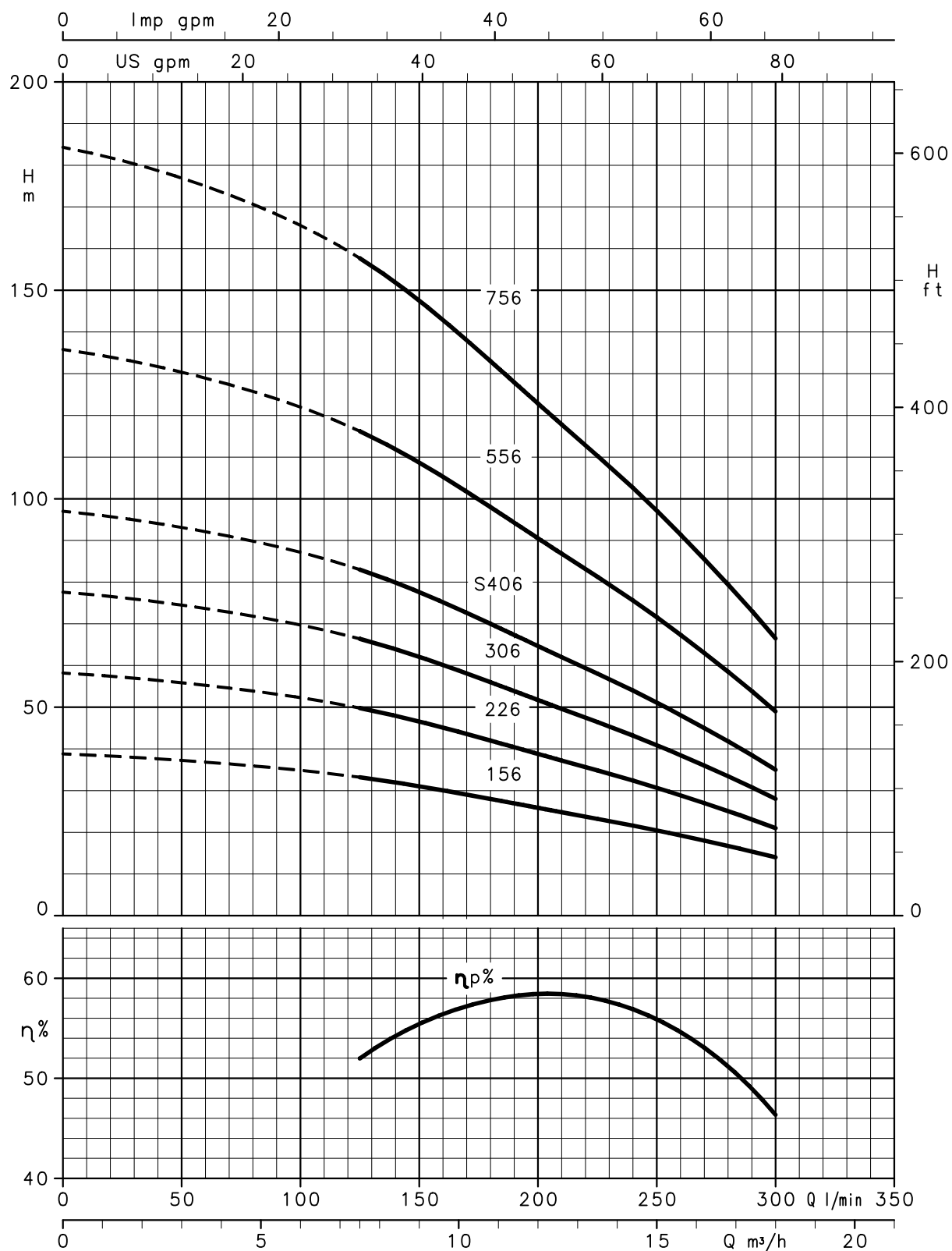
The performances are valid for liquids with density $\rho = 1,0 \text{ kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{sec}$.

S4G 8 series



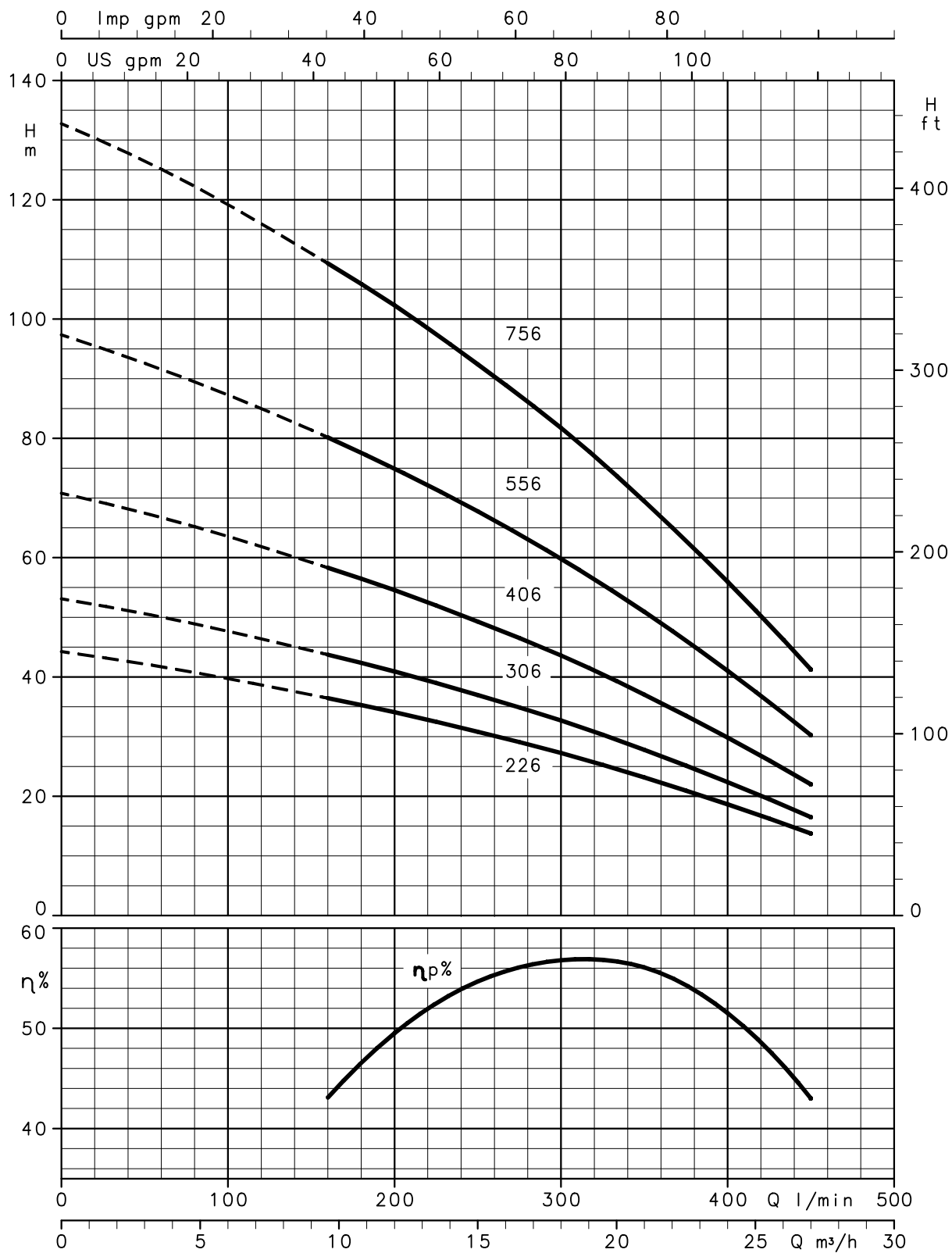
The performances are valid for liquids with density $\rho = 1,0 \text{ kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{sec}$.

S4G 12 series



The performances are valid for liquids with density $\rho = 1,0 \text{ kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{sec}$.

S4G 16 series



The performances are valid for liquids with density $\rho = 1,0 \text{ kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{sec}$.

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