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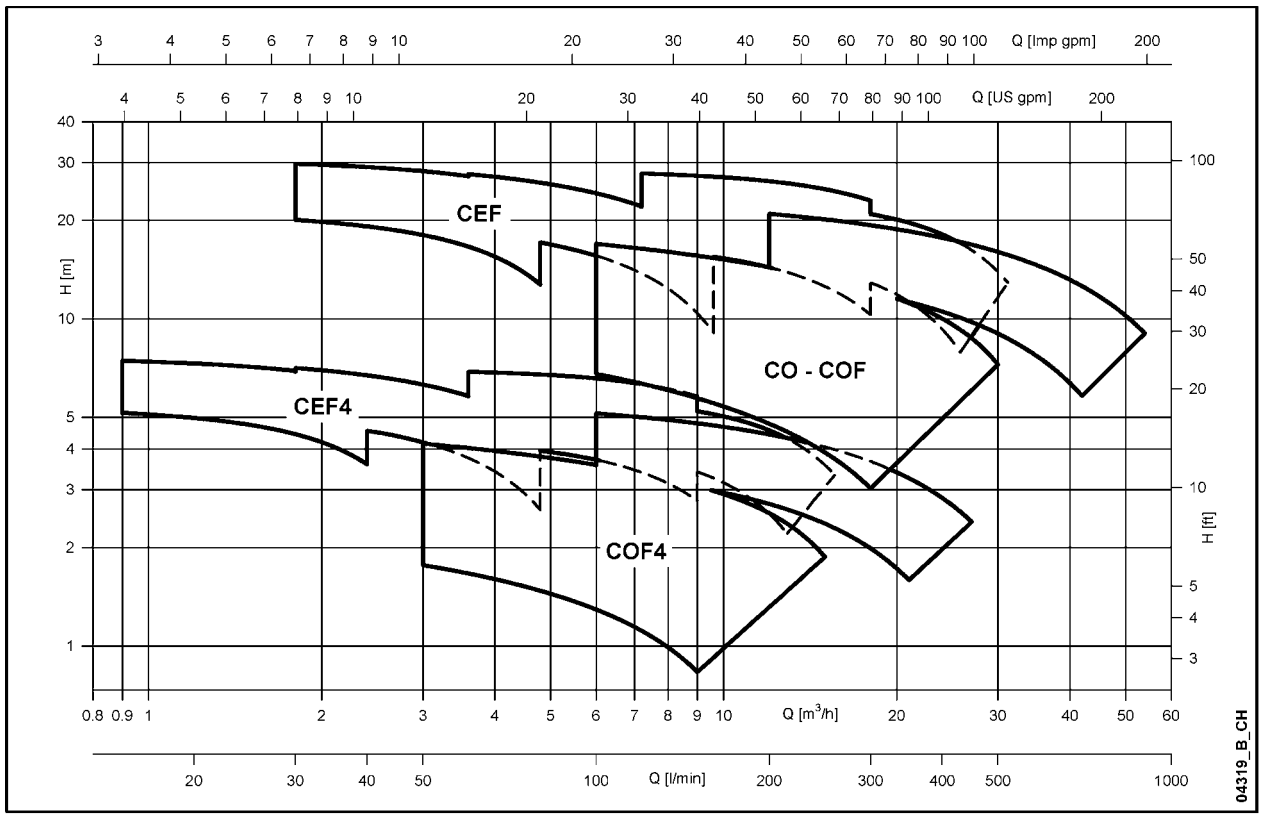
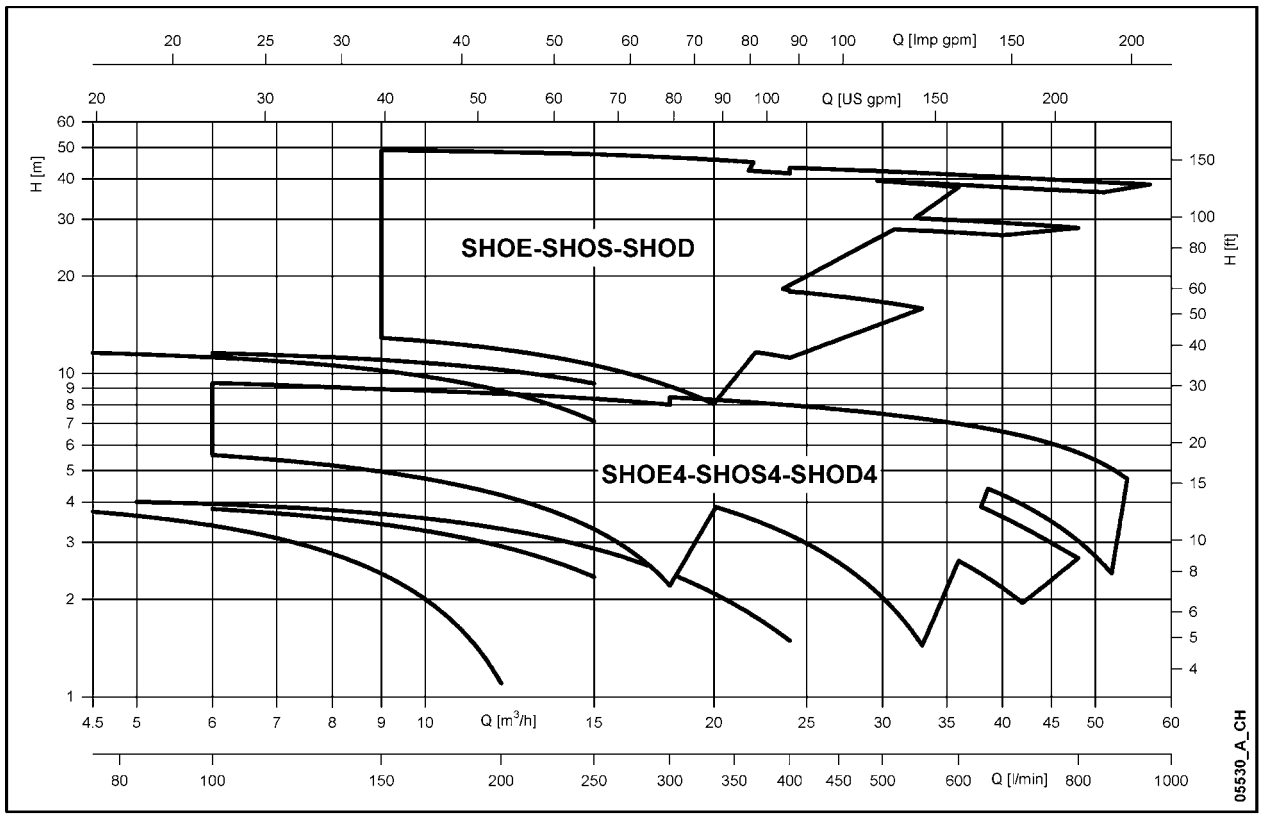
CO - COF - CEF SERIES
HYDRAULIC PERFORMANCE RANGE AT 50 Hz



SHO SERIES
HYDRAULIC PERFORMANCE RANGE AT 50 Hz



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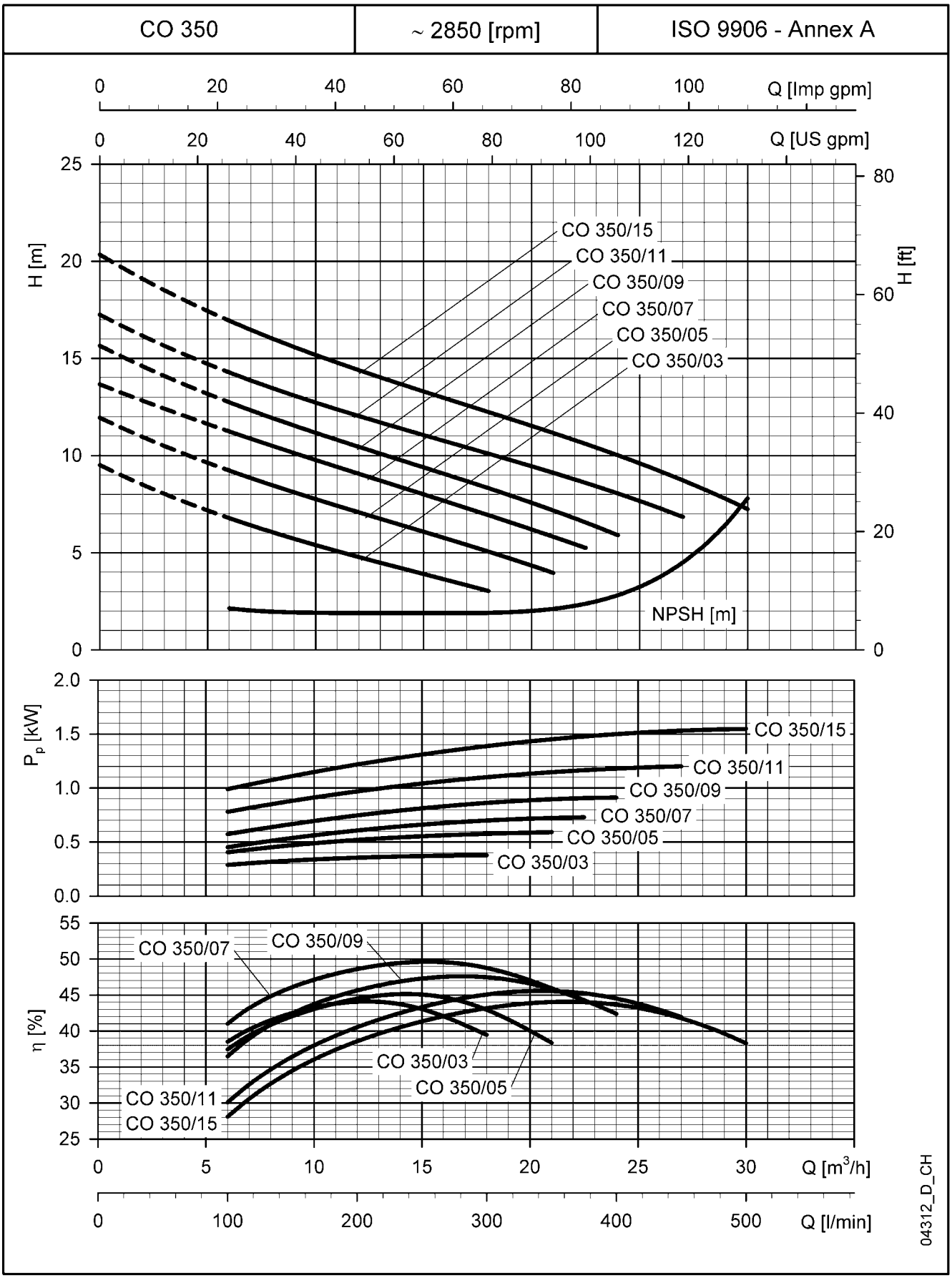
CO350 SERIES
OPERATING CHARACTERISTICS AT 50 Hz, 2 POLES

CO 350	~ 2850 [rpm]	ISO 9906 - Annex A



The NPSH values are laboratory values: for practical use we suggest increasing these values by 0,5 m.
These performances are valid for liquids with density ρ = 1.0 Kg/dm³ and kinematic viscosity ν = 1 mm²/sec.

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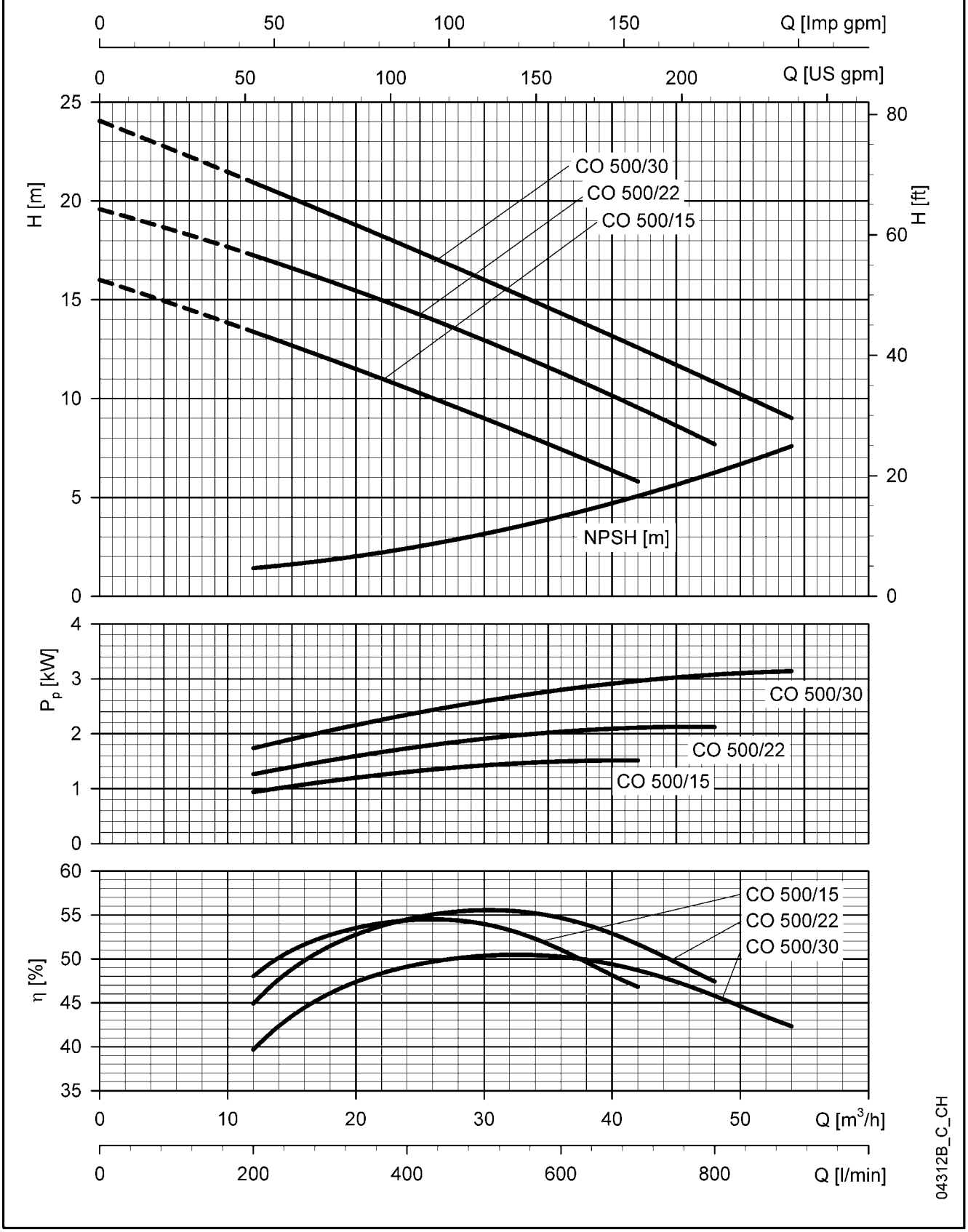
CO500 SERIES
OPERATING CHARACTERISTICS AT 50 Hz, 2 POLES

CO 500	~ 2850 [rpm]	ISO 9906 - Annex A



The NPSH values are laboratory values: for practical use we suggest increasing these values by 0,5 m.
These performances are valid for liquids with density $\rho = 1.0$ Kg/dm^3 and kinematic viscosity $\nu = 1$ mm^2/sec.

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CEF SERIES
HYDRAULIC PERFORMANCE RANGE AT 50 Hz, 2 and 4 POLES

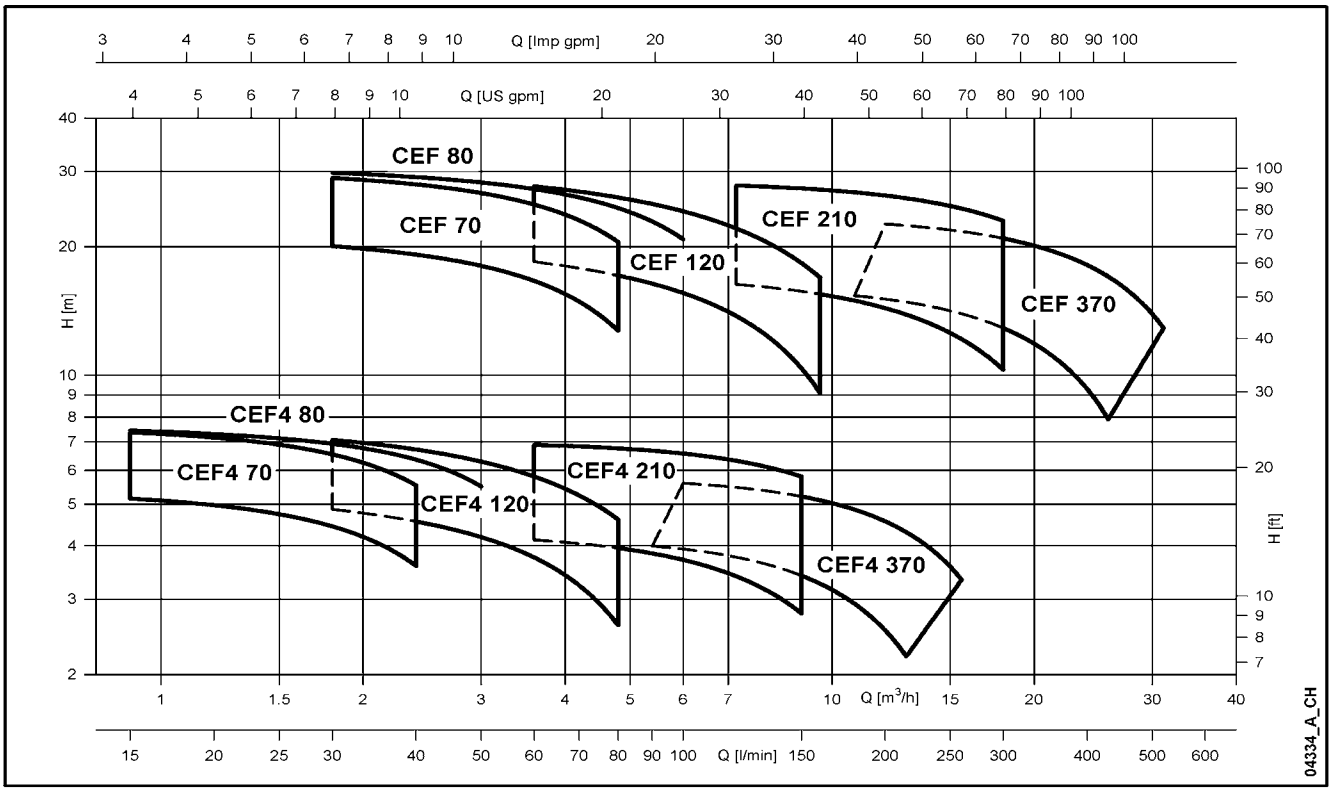

TABLE OF HYDRAULIC PERFORMANCES AT 50 Hz, 2 and 4 POLES

ELECTRIC PUMP TYPE	RATED POWER		Q = DELIVERY																	
			l/min 0	30	40	60	80	100	120	140	160	180	200	250	300	350	400	430	480	520
			m³/h 0	1,8	2,4	3,6	4,8	6	7,2	8,4	9,6	10,8	12	15	18	21	24	26	29	31
	kW	HP	H = TOTAL HEAD METRES COLUMN OF WATER																	
CEF 70/03	0,37	0,5	21,9	20,0	19,2	16,6	12,7													
CEF 70/05	0,55	0,75	30,9	28,9	28,0	25,1	20,5													
CEF 80/07	0,75	1	31,4	29,8	29,1	27,3	24,6	20,8												
CEF 120/05	0,55	0,75	21,6			18,4	17,1	15,6	13,8	11,6	9,1									
CEF 120/09	0,9	1,2	31,0			27,7	26,1	24,2	22,1	19,6	16,9									
CEF 210/07	0,75	1	17,3						16,3	15,9	15,5	15,0	14,4	12,6	10,3					
CEF 210/11	1,1	1,5	20,3						19,4	19,1	18,7	18,3	17,8	16,3	14,2					
CEF 210/15	1,5	2,2	24,9						24,4	24,1	23,7	23,2	22,7	21,0	18,8					
CEF 210/18	1,85	2,5	28,4						27,8	27,5	27,2	26,8	26,3	24,9	23,0					
CEF 370/11	1,1	1,5	15,9									15,3	15,1	14,1	12,9	11,3	9,3	7,9		
CEF 370/15	1,5	2,2	19,9										18,8	18,0	16,9	15,6	13,9	12,7	10,5	
CEF 370/22	1,85	2,5	23,9										22,6	21,9	20,9	19,7	18,1	17,0	14,9	12,9

cef-2p50-en_d_th

PUMP TYPE	PUMP MAX INPUT POWER	Q = DELIVERY																		
		l/min 0	15	20	25	30	40	50	60	70	80	90	100	130	150	190	215	240	260
		m³/h 0	0,9	1,2	1,5	1,8	2,4	3	3,6	4,2	4,8	5,4	6	7,8	9	11,4	13	14	16
	kW	H = TOTAL HEAD METRES COLUMN OF WATER																	
CEF4 70/132	0,05	5,5	5,2	5,0	4,7	4,4	3,6												
CEF4 70/156	0,09	7,8	7,4	7,2	6,9	6,5	5,5												
CEF4 80/156	0,10	7,8	7,4	7,3	7,1	6,9	6,4	5,5											
CEF4 120/132	0,08	5,6				4,9	4,6	4,2	3,8	3,2	2,6								
CEF4 120/156	0,13	7,8				7,1	6,7	6,3	5,8	5,2	4,6								
CEF4 210/121	0,11	4,3							4,1	4,0	3,9	3,8	3,7	3,2	2,8				
CEF4 210/130	0,14	5,0							4,9	4,8	4,7	4,6	4,5	4,1	3,7				
CEF4 210/148	0,19	6,1							6,1	6,0	5,9	5,8	5,7	5,2	4,8				
CEF4 210/156	0,23	7,0							6,9	6,8	6,8	6,7	6,6	6,2	5,8				
CEF4 370/121	0,15	4,0										4,0	3,9	3,7	3,4	2,7	2,2	1,6	
CEF4 370/130	0,21	5,0											4,8	4,6	4,4	3,8	3,4	2,9	
CEF4 370/134	0,26	5,8											5,6	5,4	5,2	4,7	4,3	3,8	3,3

cef4-4p50-en_c_th

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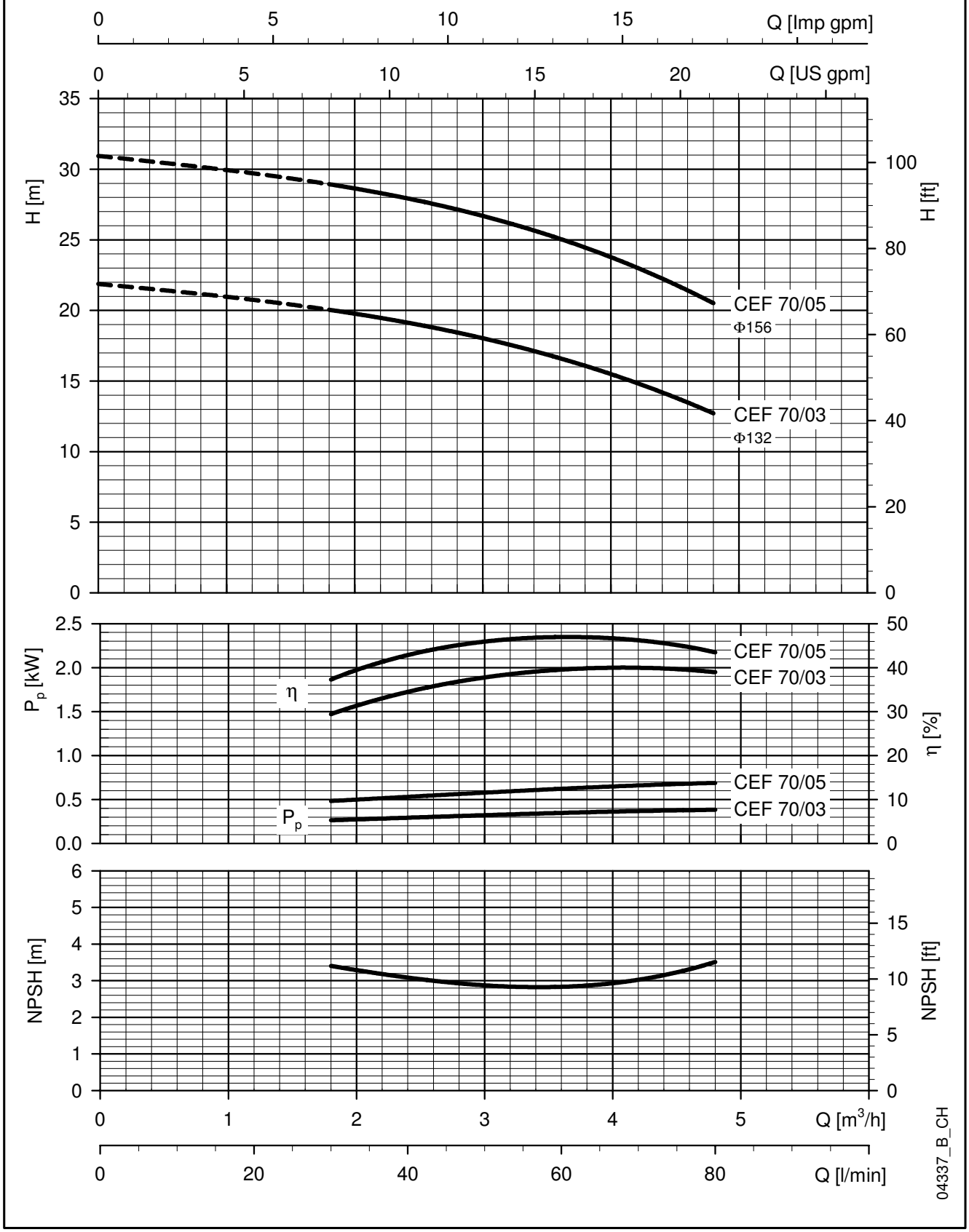
CEF SERIES
OPERATING CHARACTERISTICS AT 50 Hz, 2 POLES

CEF 70	~ 2850 [rpm]	ISO 9906 - Annex A



The NPSH values are laboratory values: for practical use we suggest increasing these values by 0,5 m.
These performances are valid for liquids with density $\rho = 1.0$ Kg/dm^3 and kinematic viscosity $\nu = 1$ mm^2/sec.

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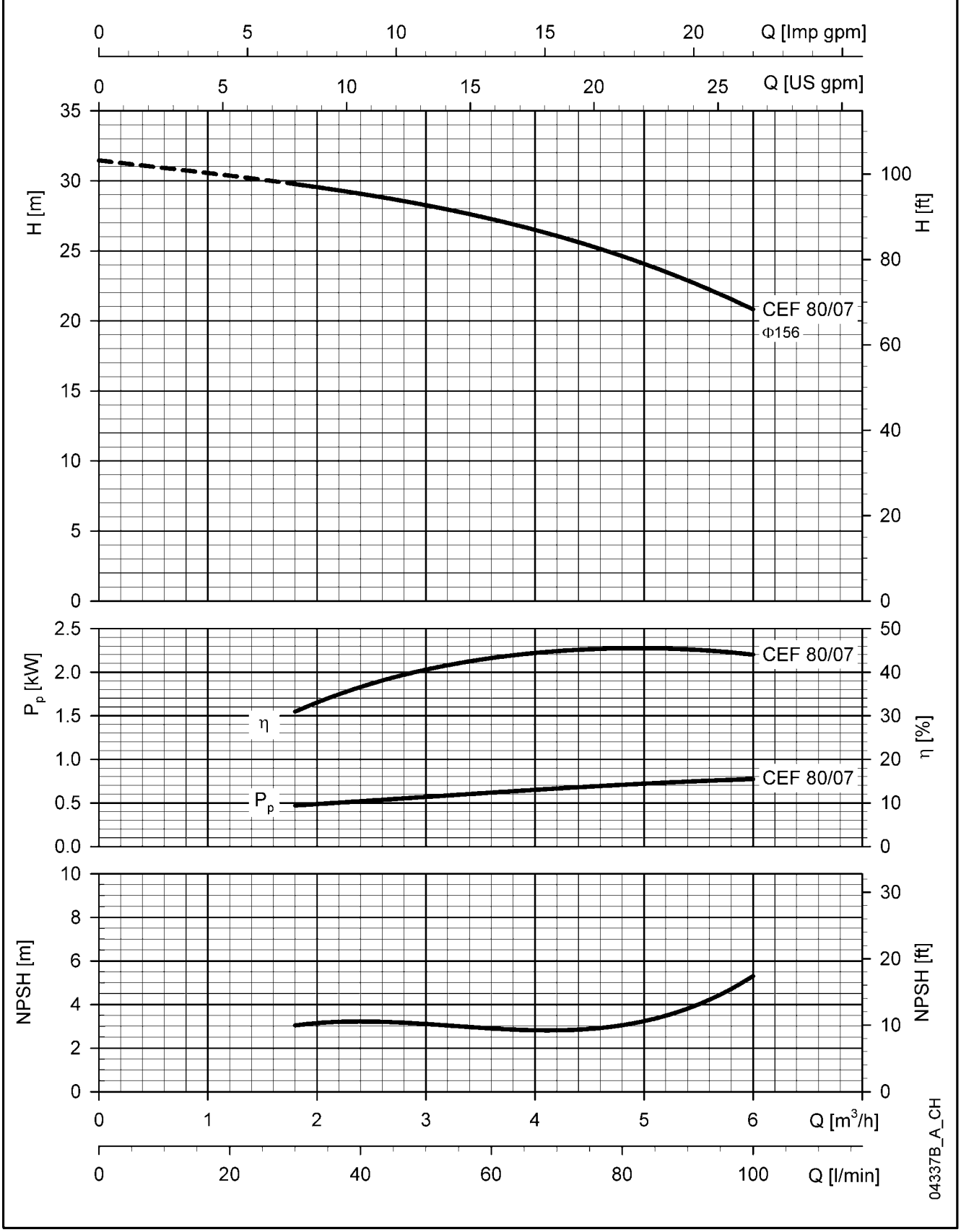
CEF SERIES
OPERATING CHARACTERISTICS AT 50 Hz, 2 POLES

CEF 80	~ 2850 [rpm]	ISO 9906 - Annex A



The NPSH values are laboratory values: for practical use we suggest increasing these values by 0,5 m.
These performances are valid for liquids with density ρ = 1.0 Kg/dm³ and kinematic viscosity ν = 1 mm²/sec.

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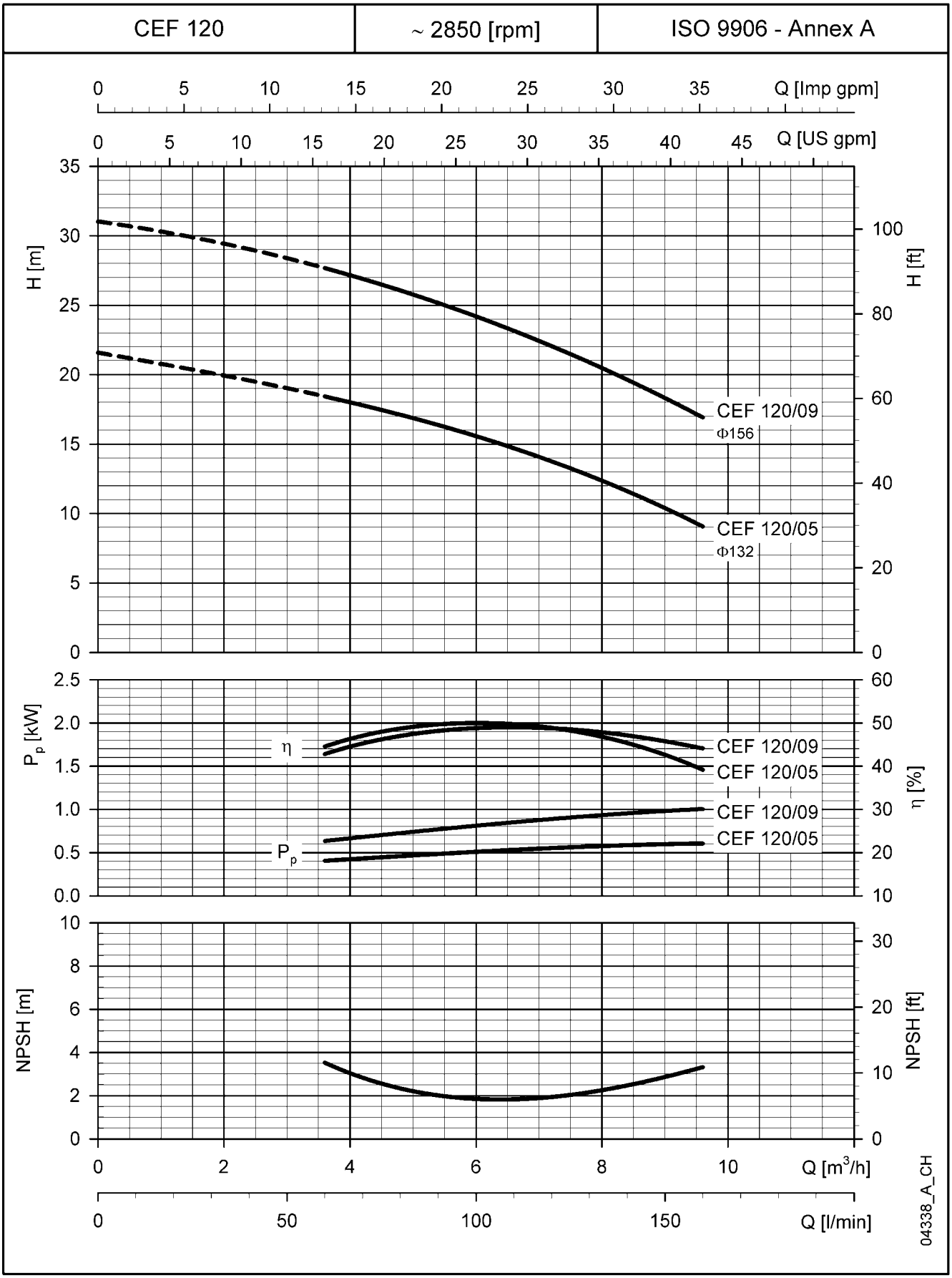
CEF SERIES
OPERATING CHARACTERISTICS AT 50 Hz, 2 POLES

CEF 120	~ 2850 [rpm]	ISO 9906 - Annex A



The NPSH values are laboratory values: for practical use we suggest increasing these values by 0,5 m.
These performances are valid for liquids with density ρ = 1.0 Kg/dm³ and kinematic viscosity ν = 1 mm²/sec.

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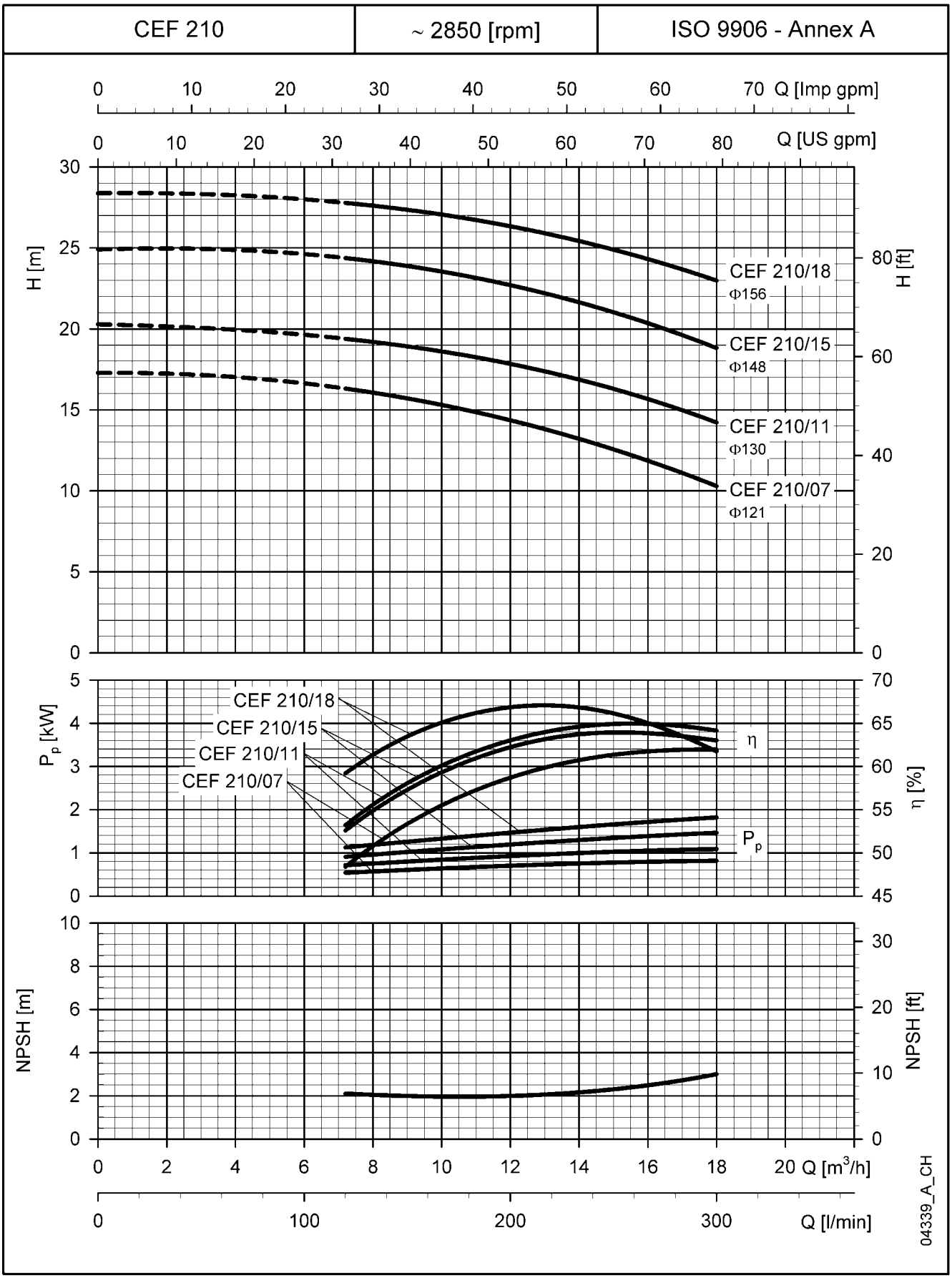
CEF SERIES
OPERATING CHARACTERISTICS AT 50 Hz, 2 POLES

CEF 210	~ 2850 [rpm]	ISO 9906 - Annex A



The NPSH values are laboratory values: for practical use we suggest increasing these values by 0,5 m.
These performances are valid for liquids with density ρ = 1.0 Kg/dm³ and kinematic viscosity ν = 1 mm²/sec.

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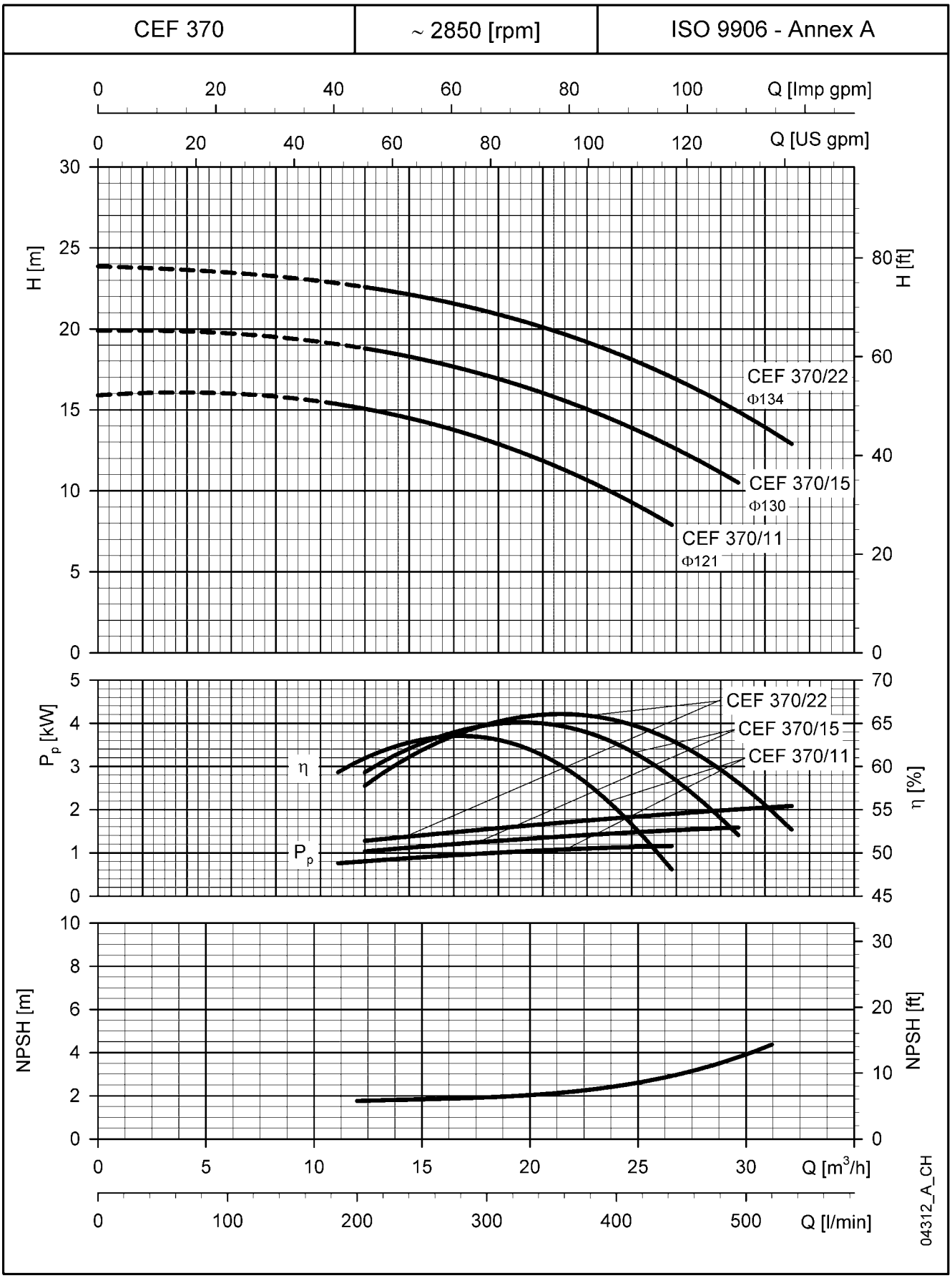
CEF SERIES
OPERATING CHARACTERISTICS AT 50 Hz, 2 POLES

CEF 370	~ 2850 [rpm]	ISO 9906 - Annex A



The NPSH values are laboratory values: for practical use we suggest increasing these values by 0,5 m.
These performances are valid for liquids with density ρ = 1.0 Kg/dm³ and kinematic viscosity ν = 1 mm²/sec.

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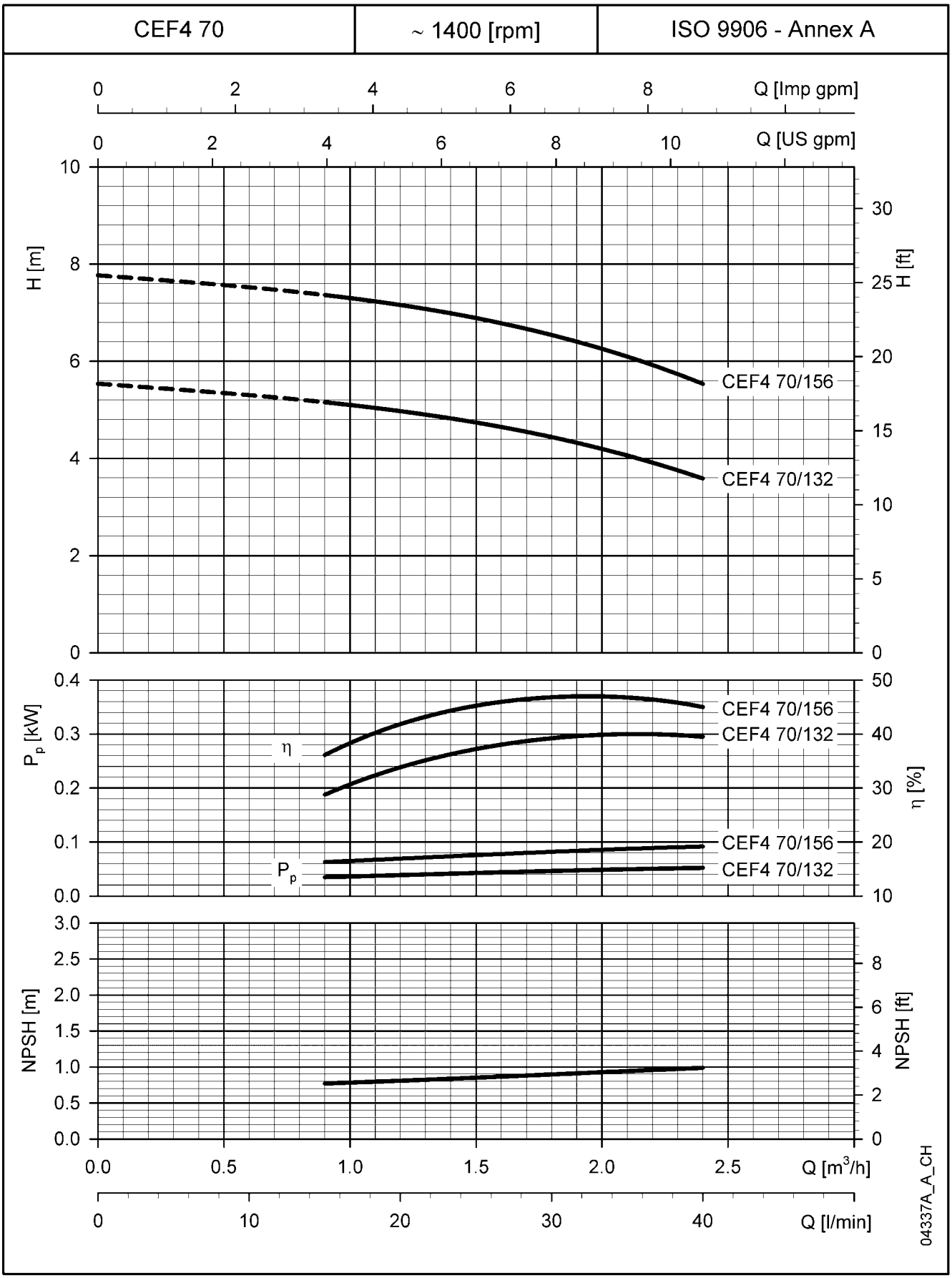
CEF4 SERIES
OPERATING CHARACTERISTICS AT 50 Hz, 4 POLES

CEF4 70	~ 1400 [rpm]	ISO 9906 - Annex A



The NPSH values are laboratory values: for practical use we suggest increasing these values by 0,5 m.
These performances are valid for liquids with density ρ = 1.0 Kg/dm³ and kinematic viscosity ν = 1 mm²/sec.

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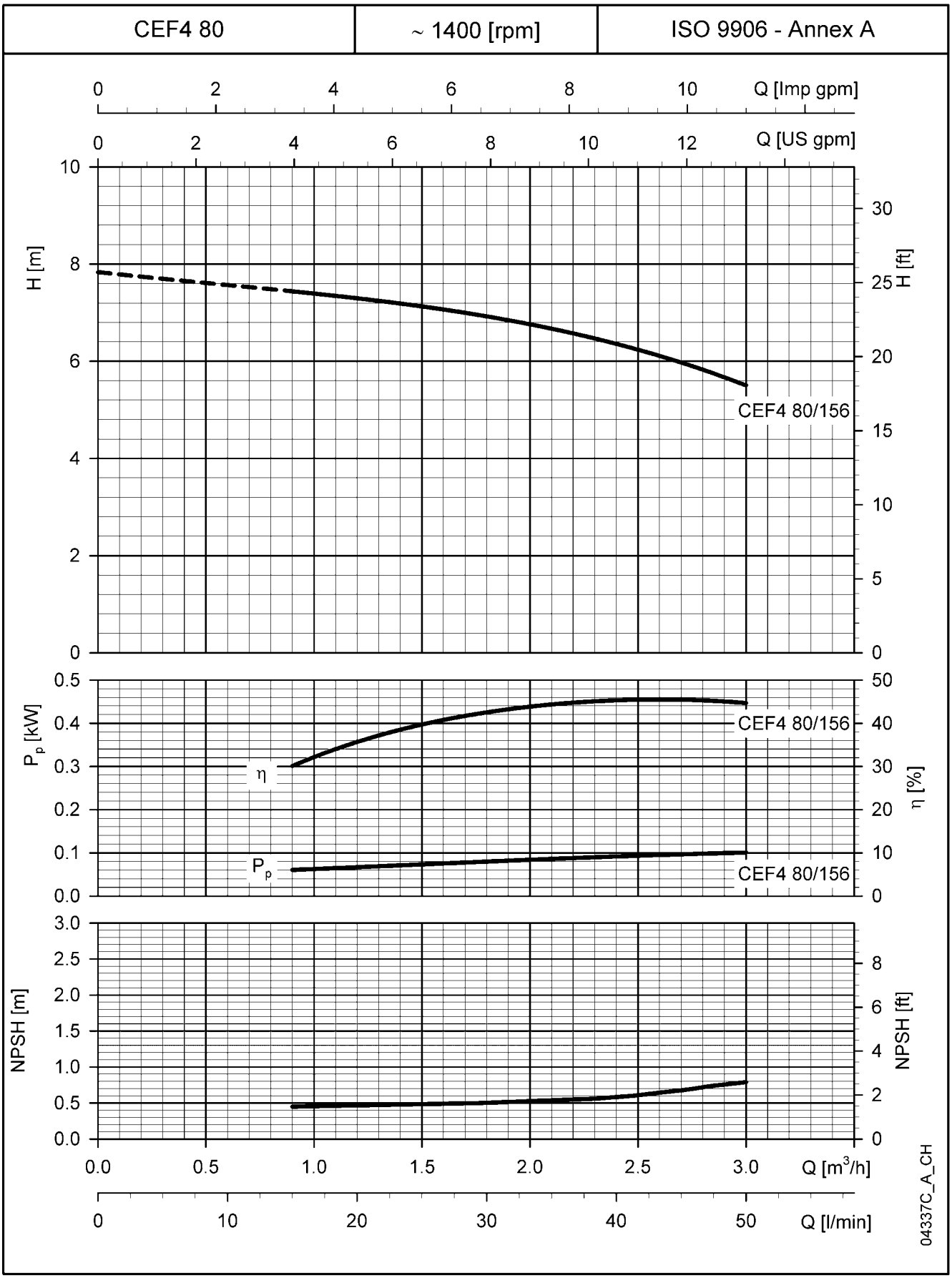
a xylem brand

CEF4 SERIES
OPERATING CHARACTERISTICS AT 50 Hz, 4 POLES

CEF4 80	~ 1400 [rpm]	ISO 9906 - Annex A



The NPSH values are laboratory values: for practical use we suggest increasing these values by 0,5 m.
These performances are valid for liquids with density ρ = 1.0 Kg/dm³ and kinematic viscosity ν = 1 mm²/sec.

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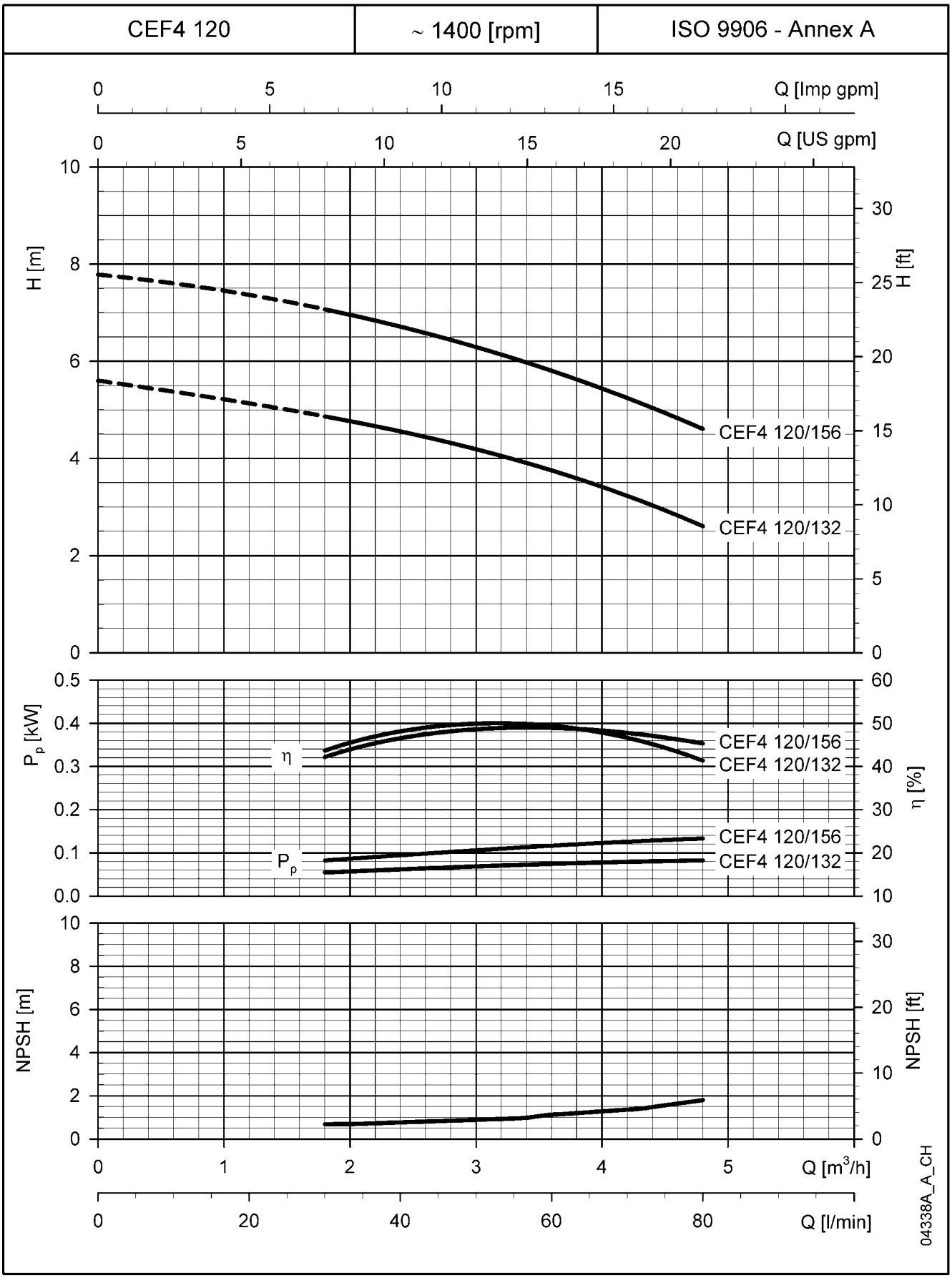
CEF4 SERIES
OPERATING CHARACTERISTICS AT 50 Hz, 4 POLES

CEF4 120	~ 1400 [rpm]	ISO 9906 - Annex A



The NPSH values are laboratory values: for practical use we suggest increasing these values by 0,5 m.
These performances are valid for liquids with density ρ = 1.0 Kg/dm³ and kinematic viscosity ν = 1 mm²/sec.

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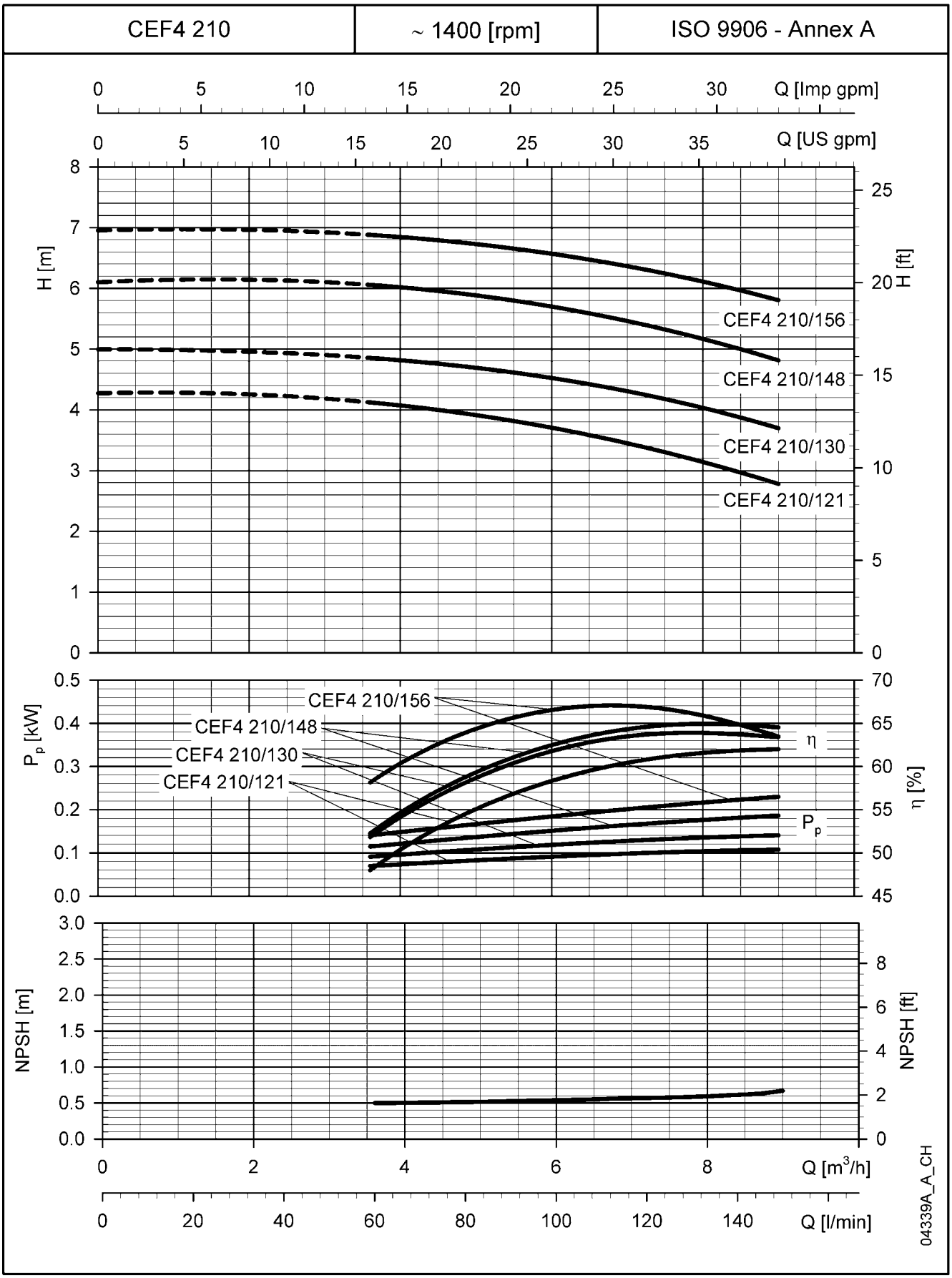
CEF4 SERIES
OPERATING CHARACTERISTICS AT 50 Hz, 4 POLES

CEF4 210	~ 1400 [rpm]	ISO 9906 - Annex A



The NPSH values are laboratory values: for practical use we suggest increasing these values by 0,5 m.
These performances are valid for liquids with density ρ = 1.0 Kg/dm^3 and kinematic viscosity ν = 1 mm^2/sec.

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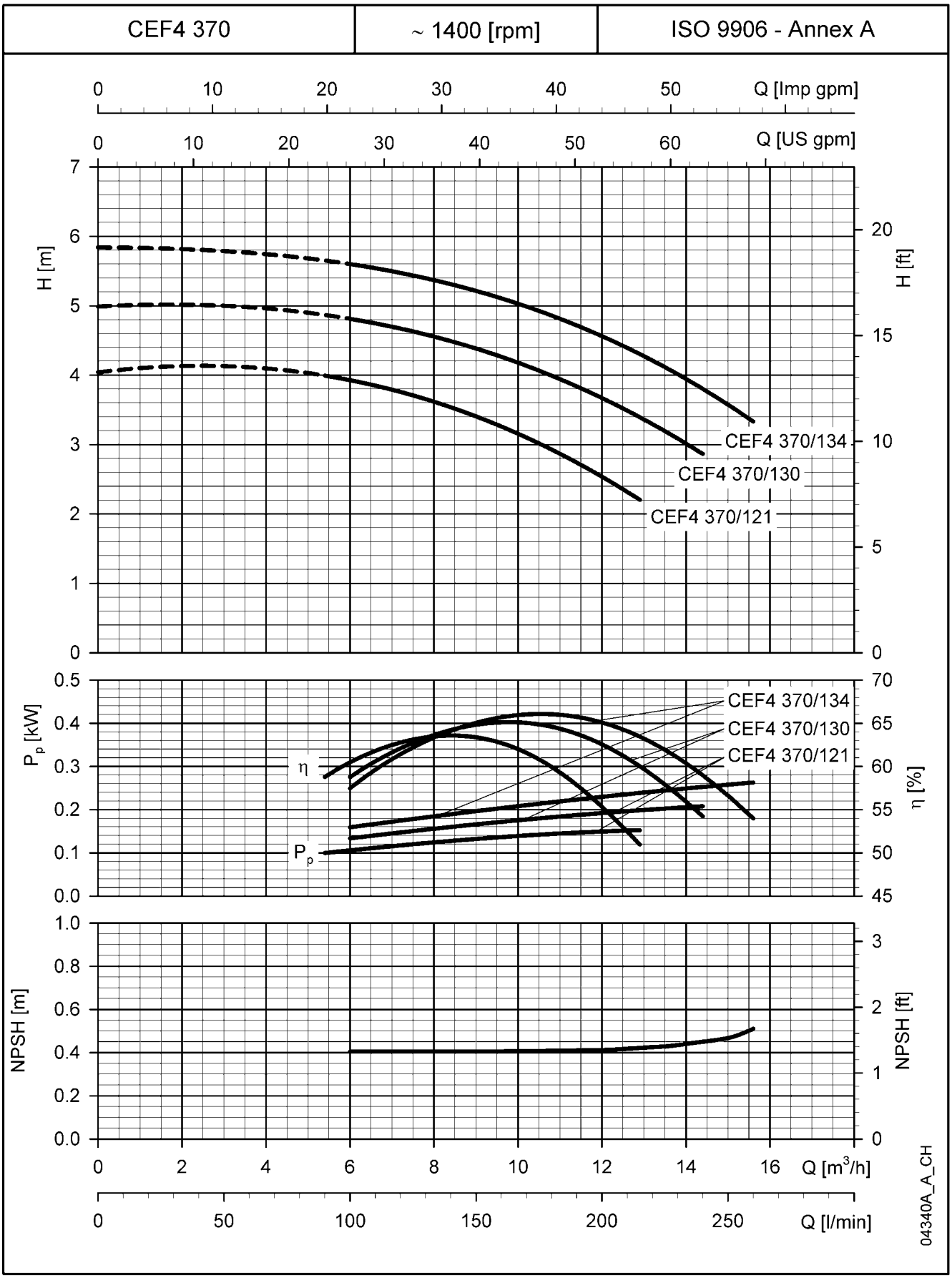
CEF4 SERIES
OPERATING CHARACTERISTICS AT 50 Hz, 4 POLES

CEF4 370	~ 1400 [rpm]	ISO 9906 - Annex A



The NPSH values are laboratory values: for practical use we suggest increasing these values by 0,5 m.
These performances are valid for liquids with density ρ = 1.0 Kg/dm³ and kinematic viscosity ν = 1 mm²/sec.

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COF SERIES
HYDRAULIC PERFORMANCE RANGE AT 50 Hz, 2 and 4 POLES

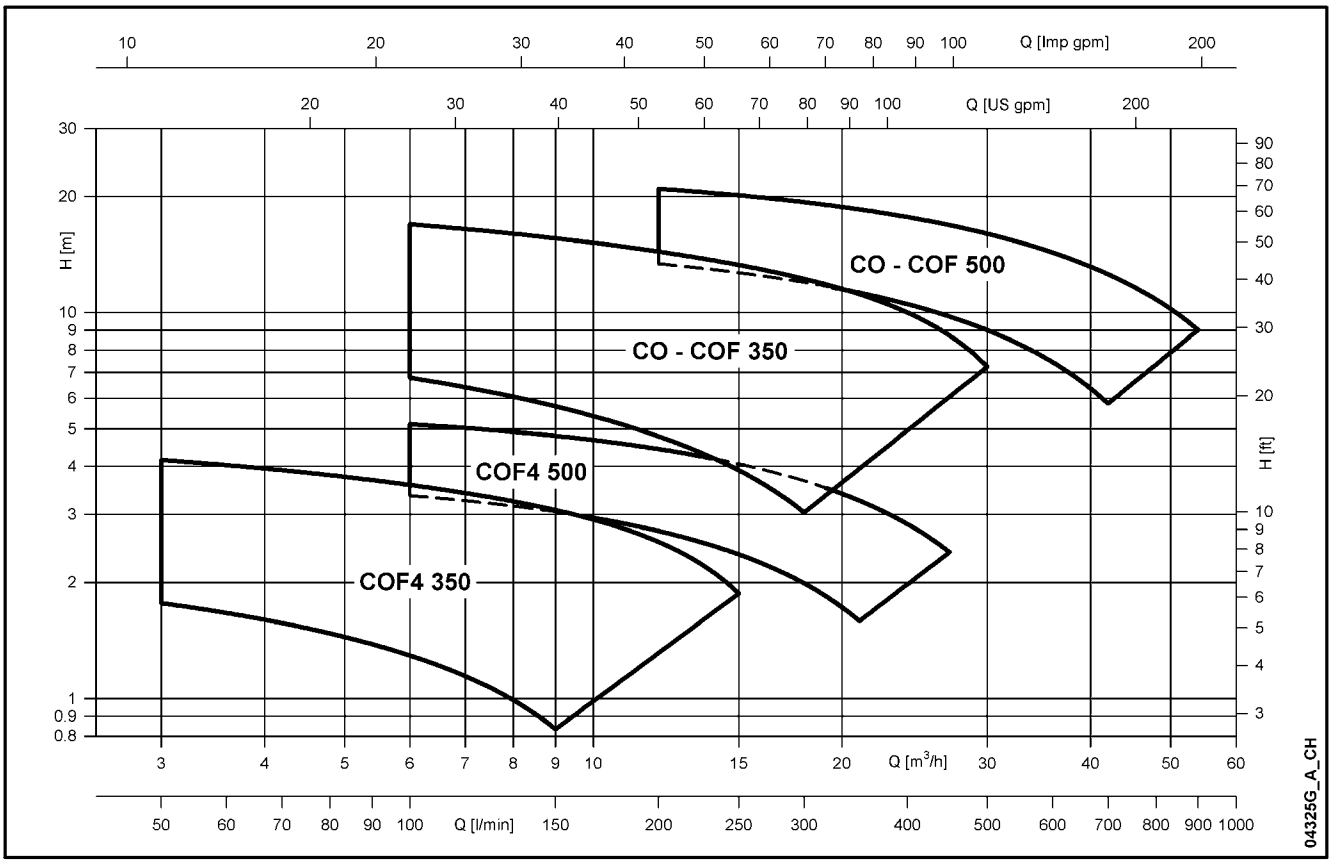

TABLE OF HYDRAULIC PERFORMANCES AT 50 Hz, 2 POLES

ELECTRIC PUMP TYPE	RATED POWER		Q = DELIVERY																	
			l/min 0	100	120	160	200	240	280	300	350	375	400	450	500	600	650	700	800	900
			m³/h 0	6	7,2	9,6	12	14,4	16,8	18	21	22,5	24	27	30	36	39	42	48	54
	kW	HP	H = TOTAL HEAD METRES COLUMN OF WATER																	
COF 350/03	0,37	0,5	9,4	7,0	6,6	5,8	5,1	4,4	3,7	3,4										
COF 350/05	0,55	0,75	11,6	9,1	8,6	7,8	7,0	6,3	5,5	5,0	3,9									
COF 350/07	0,75	1	13,4	11,1	10,7	9,8	9,0	8,2	7,3	6,9	5,8	5,2								
COF 350/09	0,9	1,2	15,3	12,6	12,1	11,2	10,3	9,5	8,7	8,2	7,1	6,4	5,8							
COF 350/11	1,1	1,5	17,1	14,2	13,7	12,8	12,0	11,2	10,5	10,1	9,1	8,6	8,0	6,7						
COF 350/15	1,5	2	19,9	16,7	16,1	15,1	14,2	13,4	12,5	12,1	11,0	10,5	9,9	8,6	7,1					
COF 500/15	1,5	2	15,9				13,5	13,0	12,4	12,2	11,5	11,1	10,8	10,0	9,3	7,7	6,9	6,1		
COF 500/22	2,2	3	19,1				17,0	16,5	16,0	15,7	15,1	14,7	14,4	13,6	12,8	11,2	10,3	9,4	7,6	
COF 500/30	3	4	23,5				20,6	20,0	19,4	19,1	18,3	17,9	17,5	16,7	15,9	14,2	13,3	12,5	10,7	8,9

TABLE OF HYDRAULIC PERFORMANCES AT 50 Hz, 4 POLES

cof_2p50-en_c_th

PUMP TYPE	PUMP MAX INPUT POWER kW	Q = DELIVERY														
		l/min 0	50	75	100	125	150	175	187	200	225	250	300	350	400	450
		m³/h 0	3	4,5	6	7,5	9	10,5	11,22	12	13,5	15	18	21	24	27
		H = TOTAL HEAD METRES COLUMN OF WATER														
COF4 350/91	0,05	2,4	1,8	1,5	1,3	1,1	0,8									
COF4 350/103	0,08	2,9	2,3	2,1	1,9	1,6	1,4	1,1								
COF4 350/110	0,09	3,3	2,8	2,5	2,3	2,0	1,8	1,5	1,4							
COF4 350/117	0,12	3,8	3,1	2,9	2,6	2,4	2,1	1,8	1,7	1,5						
COF4 350/128	0,17	4,6	3,8	3,6	3,3	3,1	2,8	2,6	2,4	2,3	2,0					
COF4 350/135	0,20	4,9	4,2	3,8	3,6	3,3	3,1	2,8	2,7	2,5	2,2	1,9				
COF4 500/113	0,19	3,9			3,4	3,2	3,0	2,9	2,8	2,7	2,5	2,4	2,0	1,6		
COF4 500/125	0,27	4,7			4,2	4,1	3,9	3,8	3,7	3,6	3,5	3,3	2,9	2,5	2,0	
COF4 500/138	0,41	5,8			5,1	5,0	4,8	4,6	4,5	4,4	4,2	4,1	3,7	3,3	2,8	2,4

cof4_4p50-en_c_th

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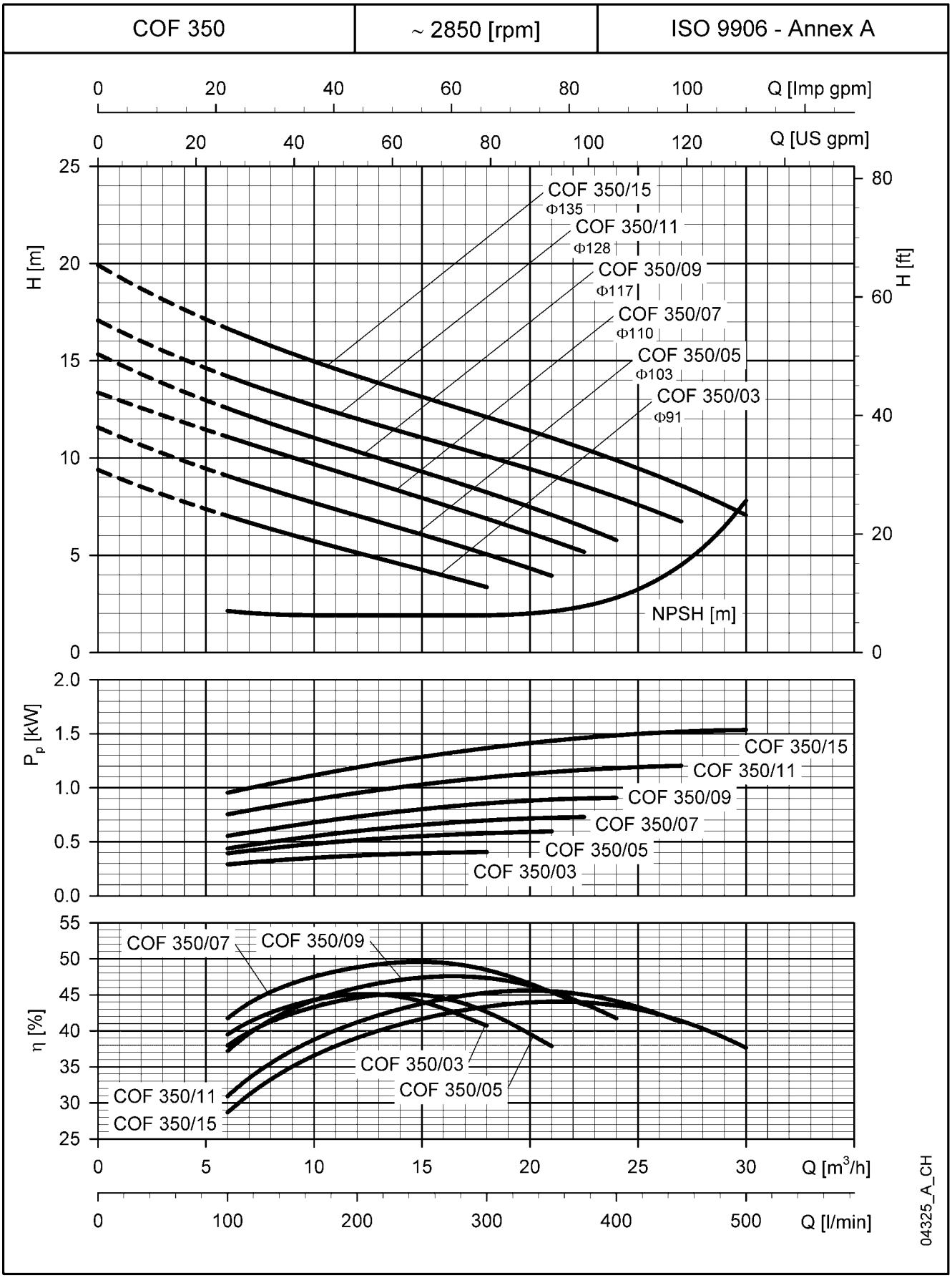
COF SERIES
OPERATING CHARACTERISTICS AT 50 Hz, 2 POLES

COF 350	~ 2850 [rpm]	ISO 9906 - Annex A



The NPSH values are laboratory values: for practical use we suggest increasing these values by 0,5 m.
These performances are valid for liquids with density ρ = 1.0 Kg/dm³ and kinematic viscosity ν = 1 mm²/sec.

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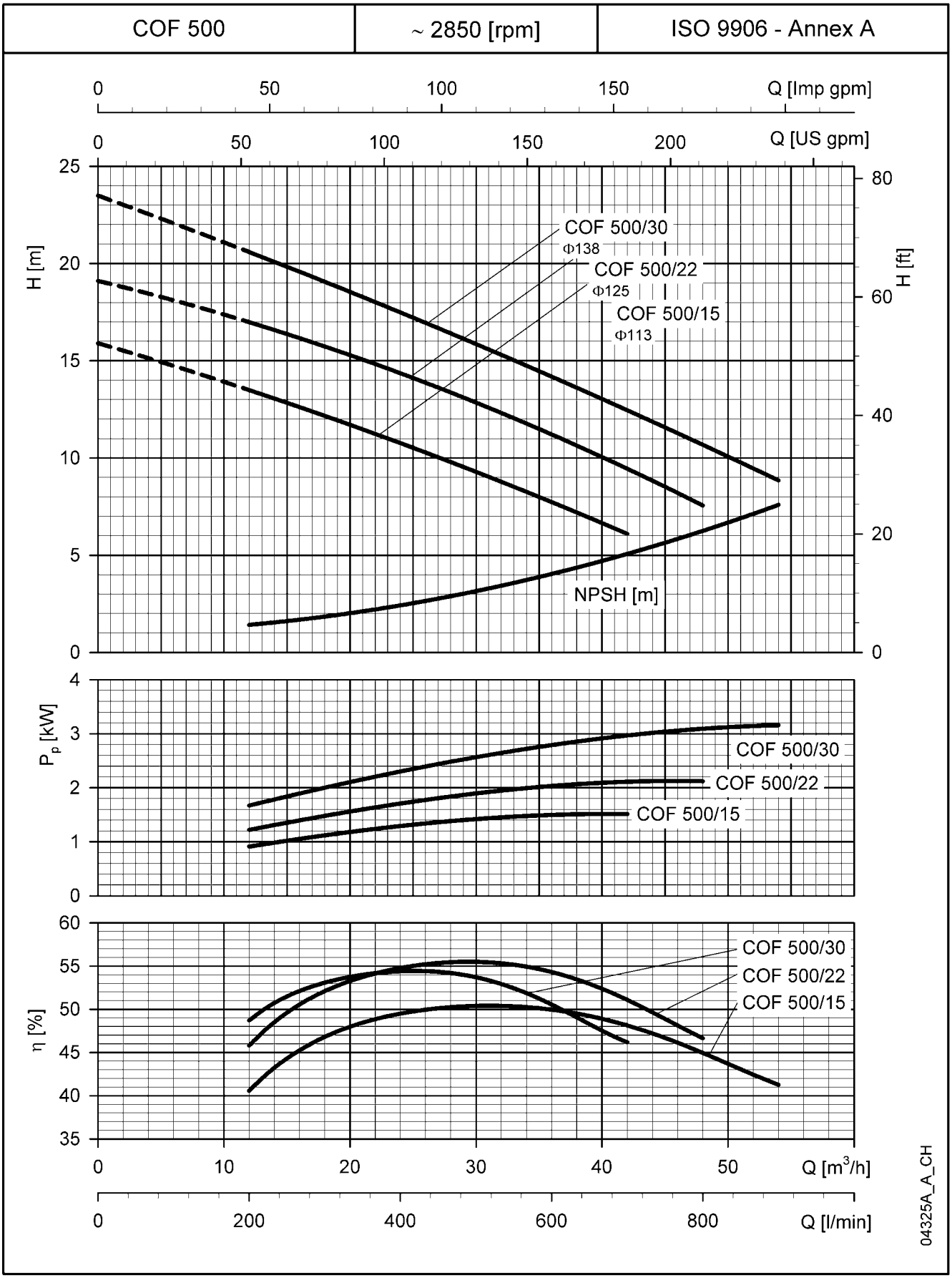
COF SERIES
OPERATING CHARACTERISTICS AT 50 Hz, 2 POLES

COF 500	~ 2850 [rpm]	ISO 9906 - Annex A



IThe NPSH values are laboratory values: for practical use we suggest increasing these values by 0,5 m.
These performances are valid for liquids with density ρ = 1.0 Kg/dm³ and kinematic viscosity ν = 1 mm²/sec.

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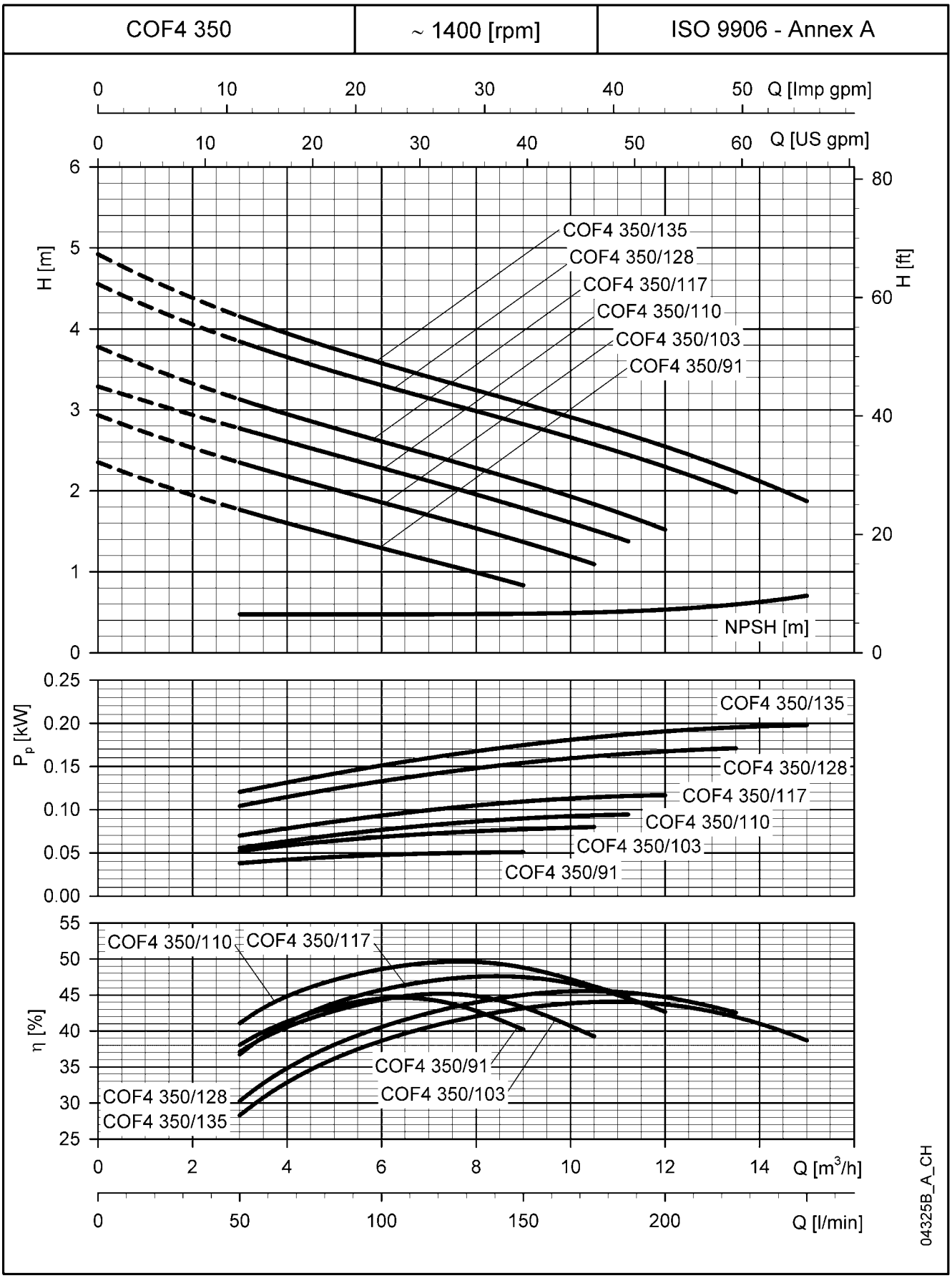
COF4 SERIES
OPERATING CHARACTERISTICS AT 50 Hz, 4 POLES

COF4 350	~ 1400 [rpm]	ISO 9906 - Annex A

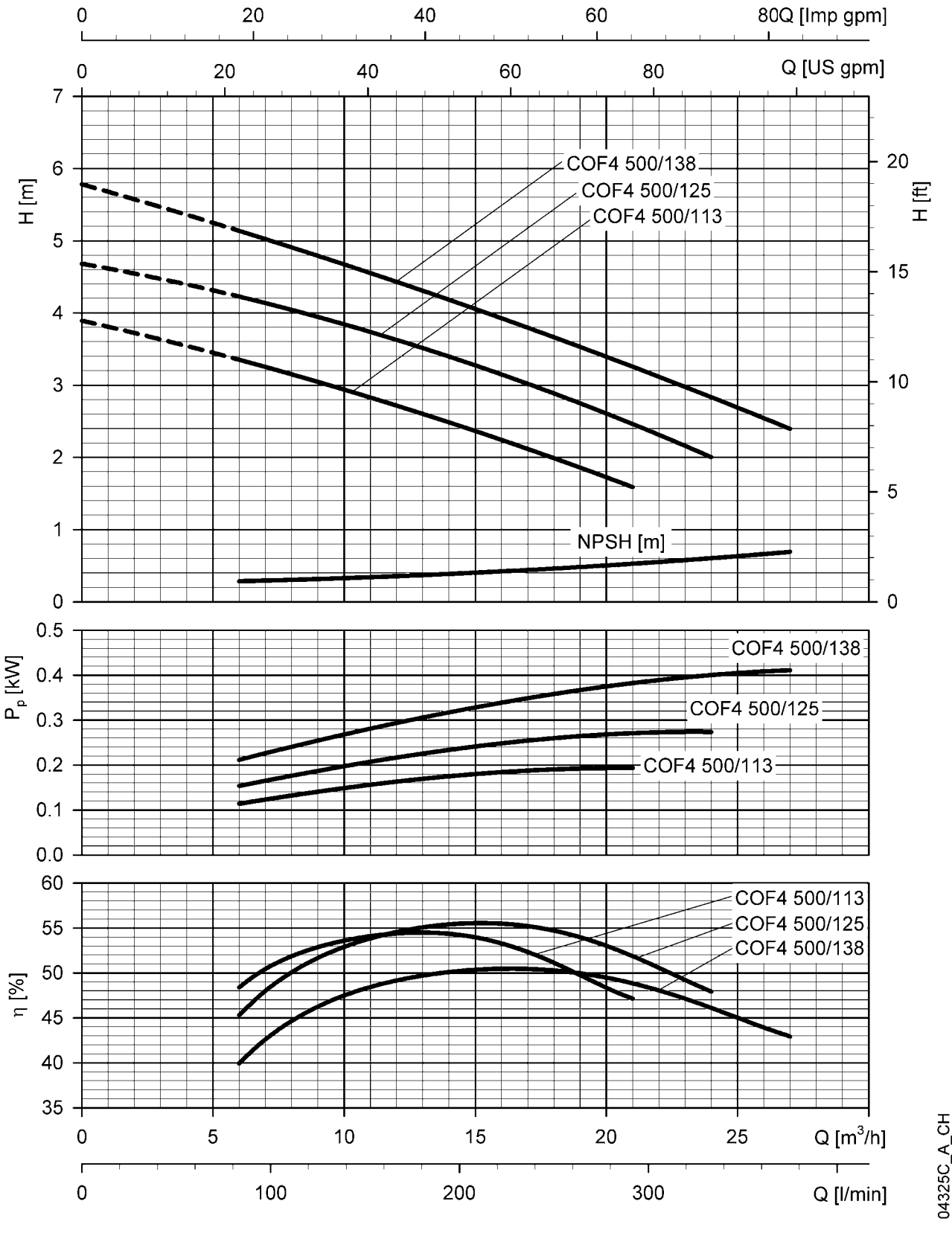


The NPSH values are laboratory values: for practical use we suggest increasing these values by 0,5 m.
These performances are valid for liquids with density ρ = 1.0 Kg/dm³ and kinematic viscosity ν = 1 mm²/sec.

LOWARA
a xylem brand

COF4 SERIES
OPERATING CHARACTERISTICS AT 50 Hz, 4 POLES

COF4 500	~ 1400 [rpm]	ISO 9906 - Annex A



The NPSH values are laboratory values: for practical use we suggest increasing these values by 0,5 m.
These performances are valid for liquids with density ρ = 1.0 Kg/dm³ and kinematic viscosity ν = 1 mm²/sec.