

CV



External electric pumps CV

vertical multistage



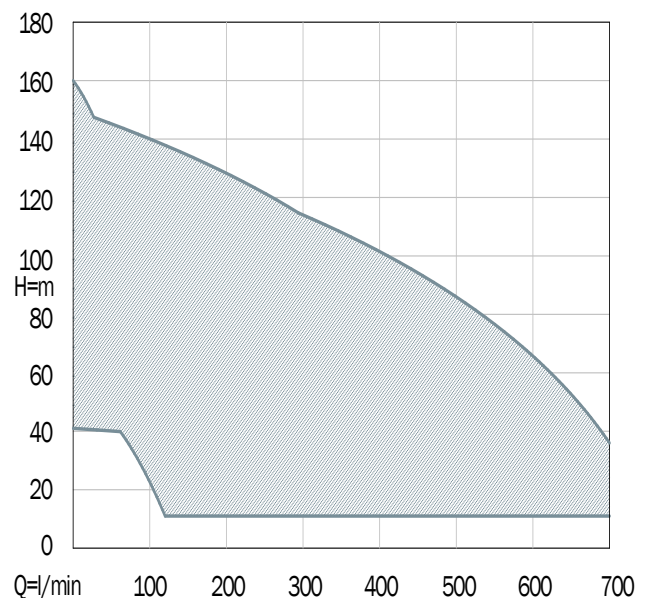
APPLICATION

- To pump water from reservoirs or tanks
- To pressurize civil, agricultural and industrial plants
- Irrigation
- To feed boilers
- To convey water for heating, cooling and conditioning plants

CHARACTERISTICS

IP rating	IP54
Duty	Continuous S1
Maximum number of starts per hour	20
Maximum temperature of the liquid pumped (°C)	80
PH of the liquid pumped	6 - 10
Suitable for inverter drive	Three-phase versions only

APPLICATION RANGE



CONSTRUCTION

- Coolant filled, asynchronous, rewindable electric AC motor with short circuit rotor. Insulation Class F
- 400 V Motors in efficiency class IE3
- External ventilation


MATERIALS

Suction body and discharge	Mechanical Cast iron EN GJL-200
Pump casing, tie rods, bolts and nuts	Stainless Steel AISI304
Shaft	Stainless Steel AISI420B
Impellers and diffusers	Noryl® reinforced with fibre-glass, certified for drinking water and AISI304 stainless steel wear rings
Coupling	Mechanical Cast iron EN GJL-200
Guide ball bearing	Self-lubricating bronze
Mechanical seal	Graphite and Alumina
Diffuser bush	Anti friction rubber (series 700)



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vertical multistage

PERFORMANCE DATA - 2 poles 50 Hz

Radial impeller 	P2		1~230 V		3~400 V	DNA	Q	Flow																		
	hp	kW	A	µF	A			DNM	m ³ /h	0	1,8	2,4	3	4,2	6	7,2	8,4	9,6	11,4	12,6	13,8	15,6	18	19,8		
								l/min	0	30	40	50	70	100	120	140	160	190	210	230	260	300	330			
SERIES 110																										
CV 6/110	1	0,75	5,2	20	1,8	1"½	H (m)	54	50	47	44	37	23	11												
CV 9/110	1,5	1,1	7,6	30	2,9	1"½		80	72	69	65	55	33	16												
CV 12/110	2	1,5	10,9	45	3,3	1"½		105	95	91	85	71	44	21												
CV 18/110	3	2,2	14,5	60	4,65	1"½		160	148	140	131	109	67	31												
SERIES 230																										
CV 5/230	1,5	1,1	7,6	30	2,9	1"½	H (m)	47			46	44	41	39	36	32	25	20	13							
CV 6/230	2	1,5	10,9	45	3,3	1"½		56			55	53	50	46	42	37	29	22	15							
CV 8/230	3	2,2	14,5	60	4,65	1"½		75			73	70	65	60	55	49	38	29	20							
CV 11/230	4	3			6	1"½		103			100	97	91	85	78	70	56	46	33							
CV 14/230	5,5	4			8,4	1"½		138			134	130	122	115	104	93	74	59	43							
SERIES 330																										
CV 5/330	3	2,2	14,5	60	4,65	1"½	H (m)	49					46	45	43	41	38	35	32	27	20	14				
CV 7/330	4	3			6	1"½		68					61	59	57	55	52	49	45	39	29	20				
CV 10/330	5,5	4			8,4	1"½		102					94	91	88	84	77	72	66	57	42	29				
CV 14/330	7,5	5,5			10,1	1"½		138					128	124	120	114	103	98	88	75	54	37				


PERFORMANCE DATA - 2 poles 50 Hz

Radial impeller 	P2		3~400 V	DNA	DNM	Q	Flow														
	hp	kW	A			m ³ /h	0	12	15	16,8	18	19,8	21,6	24	27	30	33	36	39	42	
						l/min	0	200	250	280	300	330	360	400	450	500	550	600	650	700	
SERIES 530																					
CV 4/530	4	3	6	2"½	2"	H (m)	43	36	35	34	33	32	30	27	22	16	10				
CV 6/530	5,5	4	8,4	2"½	2"		64	53	52	50	49	48	45	40	33	24	16				
CV 8/530	7,5	5,5	10,1	2"½	2"		86	70	68	66	65	64	61	53	43	33	21				
CV 11/530	10	7,5	14,3	2"½	2"		118	97	94	92	90	87	83	73	60	44	29				
CV 14/530	12,5	9,2	17,7	2"½	2"		150	123	119	116	114	111	106	94	76	56	37				
Semi-axial impeller 	P2		3~400 V	DNA	DNM	Q	Flow														
	hp	kW	A			m ³ /h	0	12	15	16,8	18	19,8	21,6	24	27	30	33	36	39	42	
						l/min	0	200	250	280	300	330	360	400	450	500	550	600	650	700	
SERIES 700																					
CV 3/700	5,5	4	8,4	2"½	2"	H (m)	41				35	34	33	31	28	25	22	18	14	9	
CV 5/700	7,5	5,5	10,1	2"½	2"		68				59	57	55	51	46	41	35	28	21	14	
CV 6/700	10	7,5	14,3	2"½	2"		84				68	66	63	59	54	48	42	34	27	17	
CV 8/700	12,5	9,2	17,7	2"½	2"		113				93	91	87	83	76	69	60	50	40	29	
CV 10/700	15	11	19,4	2"½	2"		141				116	114	110	104	96	86	75	62	50	36	

External electric pumps CV series 110

vertical multistage

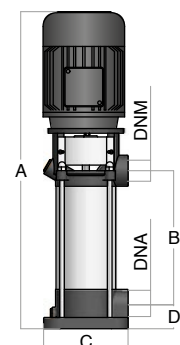
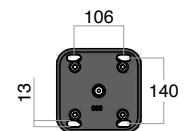
PERFORMANCE DATA - 2 poles 50 Hz

Radial impeller 	Code	Version		P2		A	Flow		DNA	Dimensions (mm)				Weight kg
				hp	kW		l/min	m		DNM	A	B	C	
CV 6/110	EM110/06	230 V	1-phase	1	0,75	5,2	30 - 70 - 120	50 - 37 - 11	1"½	662	286	180	51	22,2
	ET110/06/2	400 V	3-phase			1,8				667				22,7
CV 9/110	EM110/09	230 V	1-phase	1,5	1,1	7,6	30 - 70 - 120	72 - 55 - 16	1"½	752	376	180	51	25,8
	ET110/09/2	400 V	3-phase			2,9				757				24,8
CV 12/110	EM110/12	230 V	1-phase	2	1,5	10,9	30 - 70 - 120	95 - 71 - 21	1"½	847	466	180	51	28,3
	ET110/12/2	400 V	3-phase			3,3				847				28,8
CV 18/110	EM110/18	230 V	1-phase	3	2,2	14,5	30 - 70 - 120	148 - 109 - 31	1"½	1093	646	180	51	35
	ET110/18/2	400 V	3-phase			4,65				1074				35

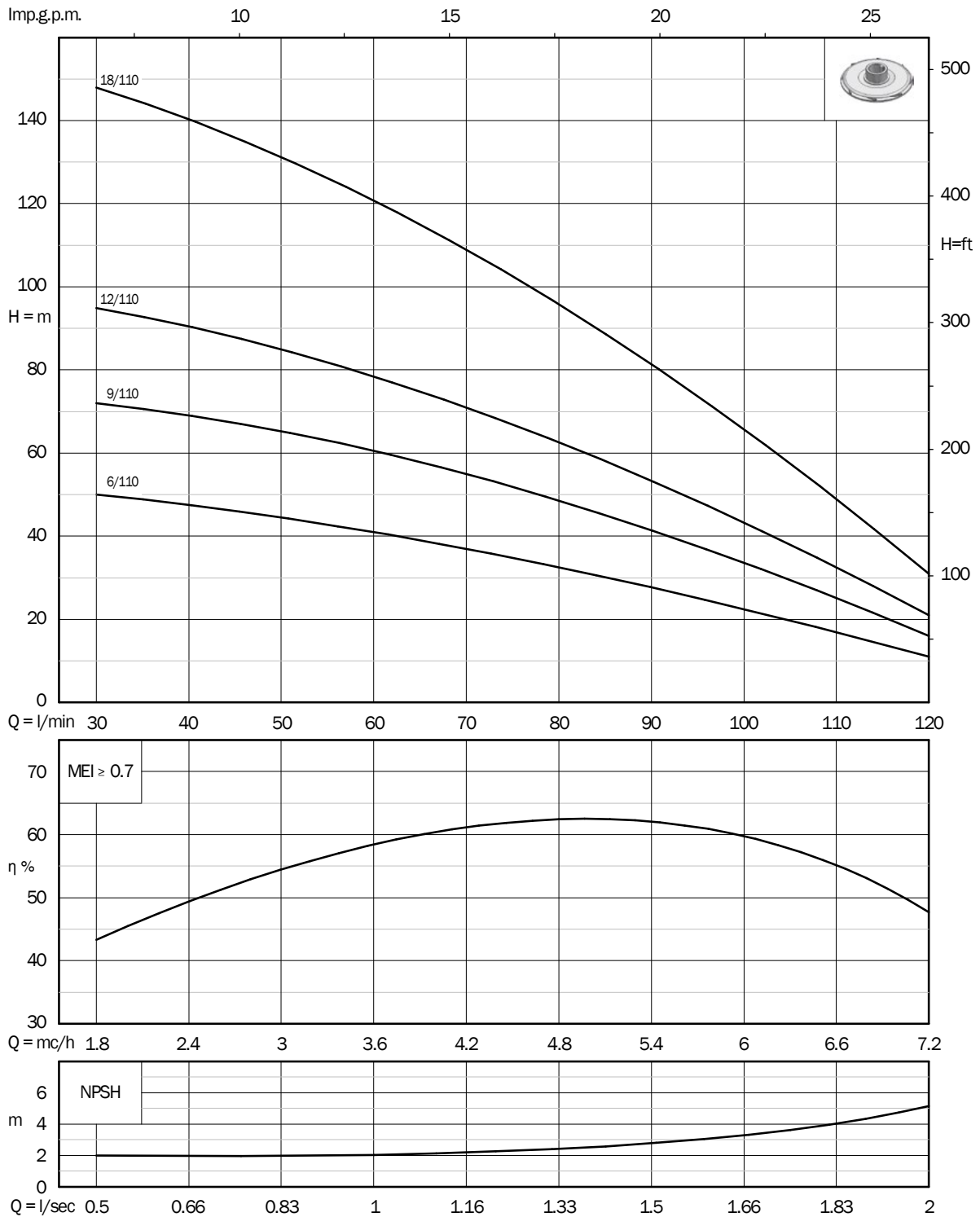


SUPPLIED WITH

Capacitor (single-phase versions)




PERFORMANCE CURVES - 2 poles 50 Hz



External electric pumps CV series 230

vertical multistage

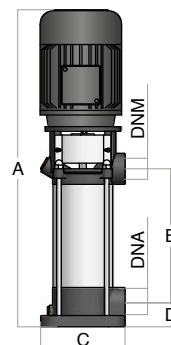
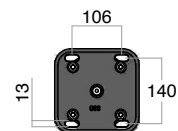
PERFORMANCE DATA - 2 poles 50 Hz

Radial impeller 	Code	Version		P2		A	Flow		DNA	Dimensions (mm)				Weight kg
				hp	kW		l/min	m		DNM	A	B	C	
CV 5/230	EM230/05	230 V	1-phase	1,5	1,1	7,6	50 - 140 - 230	46 - 36 - 13	1"½	662	286	180	51	24,1
	ET230/05/2	400 V	3-phase			2,9				667				23,1
CV 6/230	EM230/06	230 V	1-phase	2	1,5	10,9	50 - 140 - 230	55 - 42 - 15	1"½	703	322	180	51	25,8
	ET230/06/2	400 V	3-phase			3,3								26,3
CV 8/230	EM230/08	230 V	1-phase	3	2,2	14,5	50 - 140 - 230	73 - 55 - 20	1"½	841	394	180	51	31,7
	ET230/08/2	400 V	3-phase			4,65								31,7
CV 11/230	ET230/11/2	400 V	3-phase	4	3	6	50 - 140 - 230	100 - 78 - 33	1"½	964	502	180	51	38
CV 14/230	ET230/14/2	400 V	3-phase	5,5	4	8,4	50 - 140 - 230	134 - 104 - 43	1"½	1074	610	180	51	44

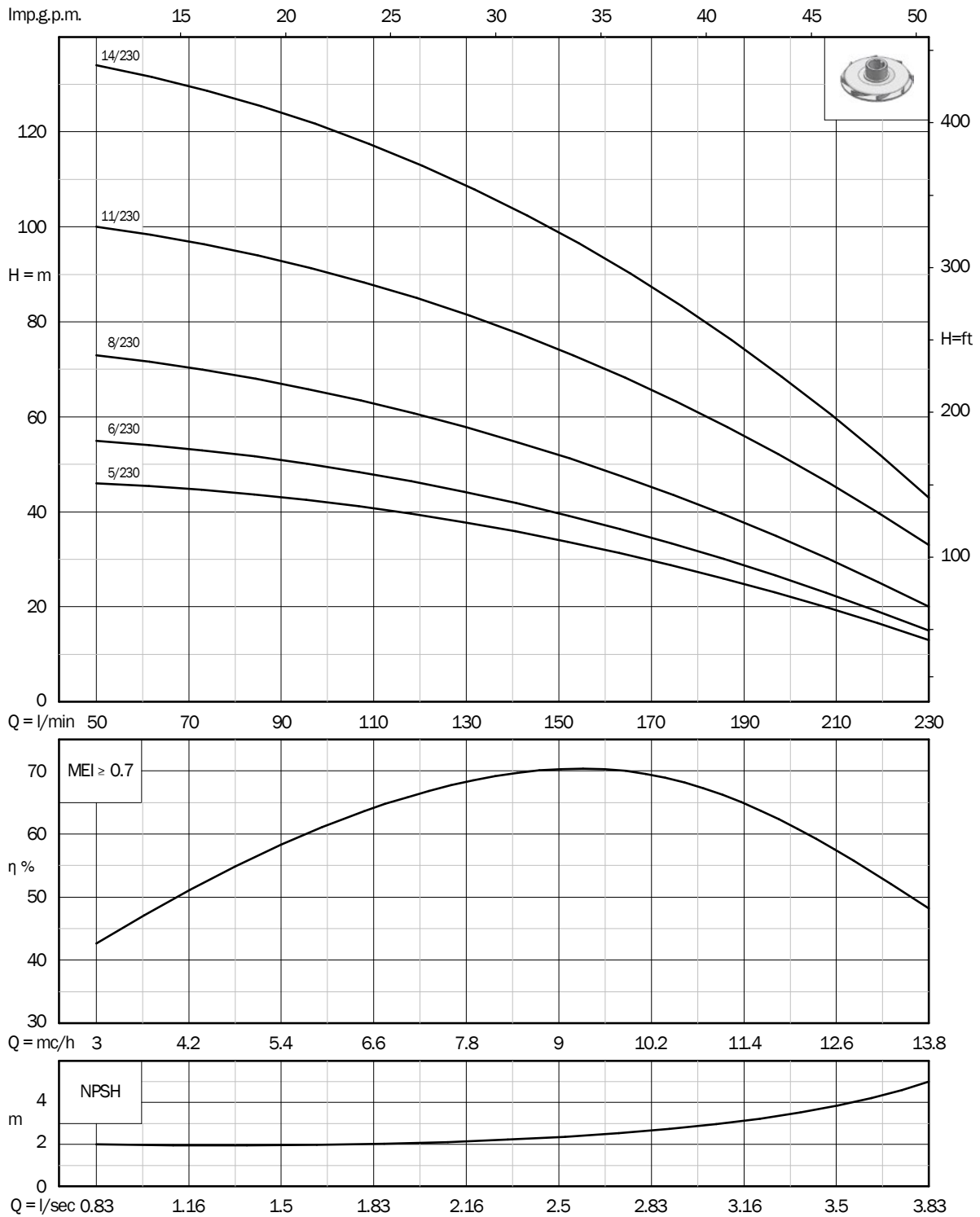


SUPPLIED WITH

Capacitor (single-phase versions)




PERFORMANCE CURVES - 2 poles 50 Hz



External electric pumps CV series 330

vertical multistage

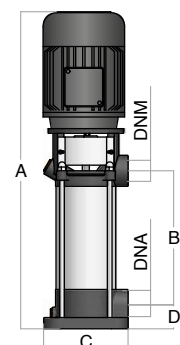
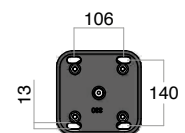
PERFORMANCE DATA - 2 poles 50 Hz

Radial impeller 	Code	Version		P2		A	Flow		DNA	Dimensions (mm)				Weight kg
				hp	kW		l/min	m		DNM	A	B	C	
CV 5/330	EM330/05	230 V	1-phase	3	2,2	14,5	100 - 230 - 330	46 - 32 - 14	1"½	733	286	180	51	29,6
	ET330/05/2	400 V	3-phase			4,65				714				29,6
CV 7/330	ET330/07/2	400 V	3-phase	4	3	6	100 - 230 - 330	61 - 45 - 20	1"½	820	358	180	51	35,3
CV 10/330	ET330/10/2	400 V	3-phase	5,5	4	8,4	100 - 230 - 330	94 - 66 - 29	1"½	930	466	180	51	41,1
CV 14/330	ET330/14/2	400 V	3-phase	7,5	5,5	10,1	100 - 230 - 330	128 - 88 - 37	1"½	1083	610	180	51	51,5

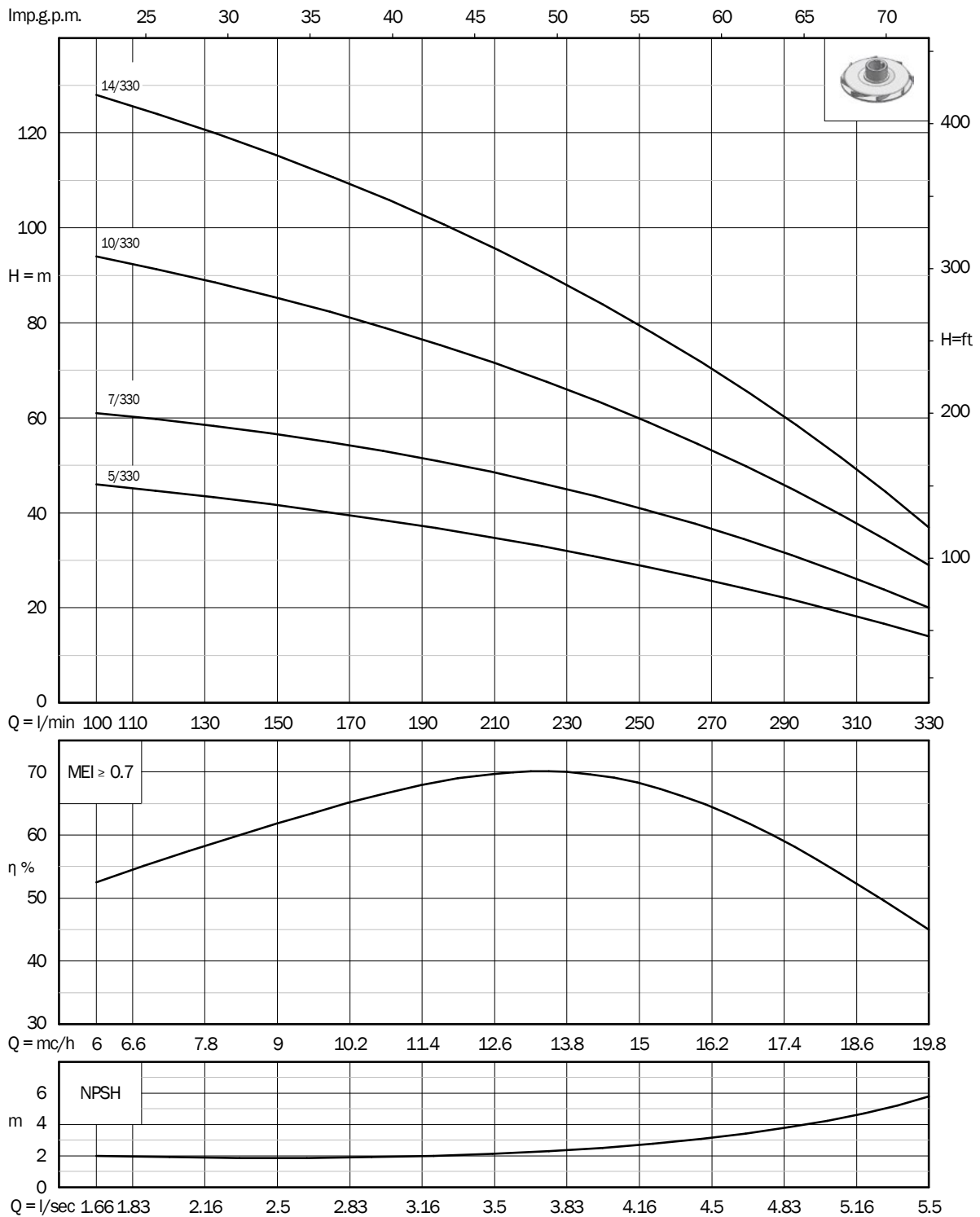


SUPPLIED WITH

Capacitor (single-phase versions)




PERFORMANCE CURVES - 2 poles 50 Hz

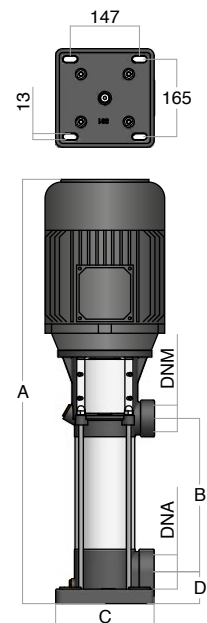


External electric pumps CV series 530

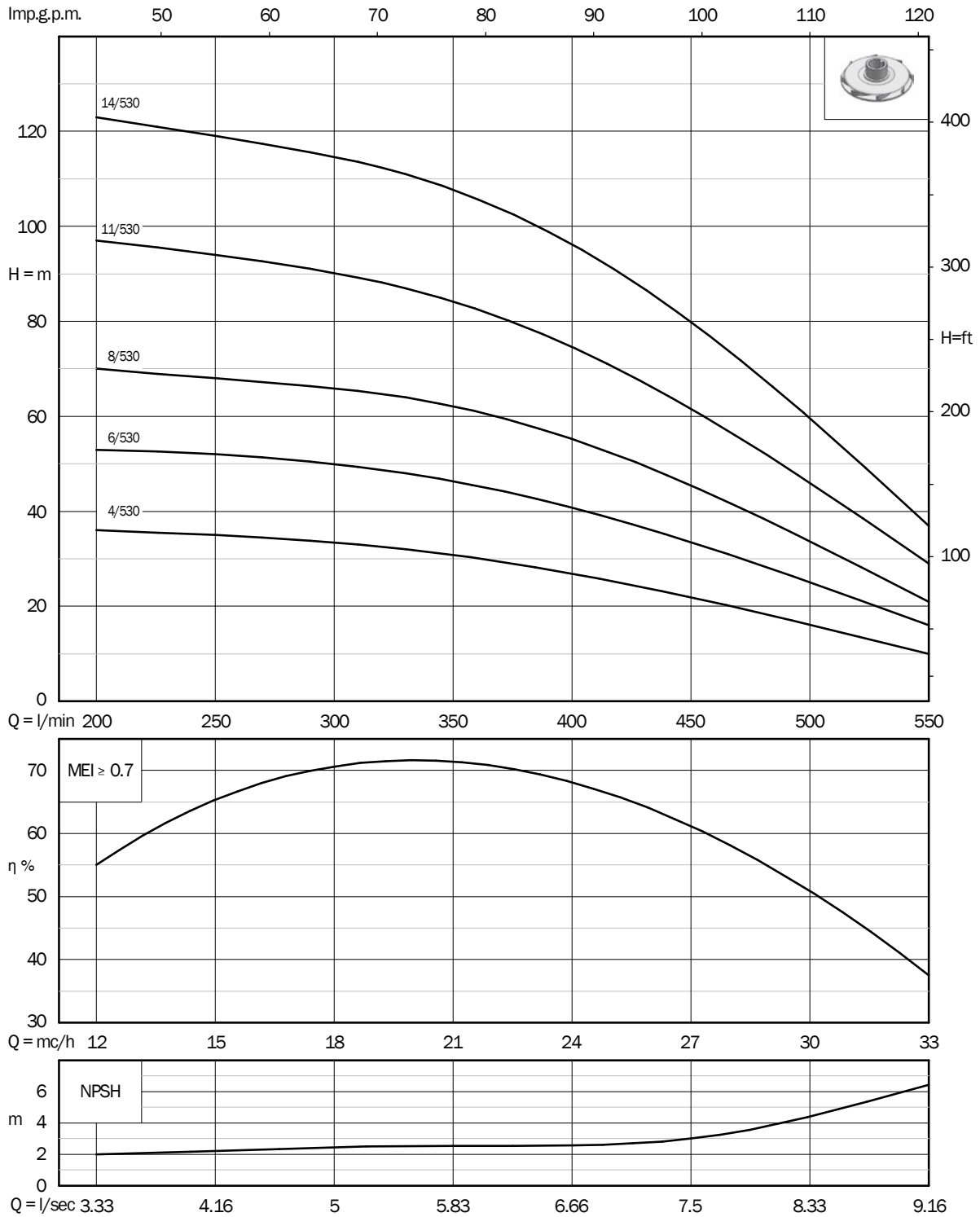
vertical multistage

PERFORMANCE DATA - 2 poles 50 Hz

Radial impeller 	Code	Version		P2		A	Flow		DNA	DNM	Dimensions (mm)				Weight kg
				hp	kW		l/min	m			A	B	C	D	
CV 4/530	ET530/04/2	400 V	3-phase	4	3	6	200 - 330 - 550	36 - 32 - 10	2"½	2"	861	327	200	68	40,2
CV 6/530	ET530/06/2	400 V	3-phase	5,5	4	8,4	200 - 330 - 550	53 - 48 - 16	2"½	2"	963	427	200	68	45,7
CV 8/530	ET530/08/2	400 V	3-phase	7,5	5,5	10,1	200 - 330 - 550	70 - 64 - 21	2"½	2"	1072	527	200	68	54,7
CV 11/530	ET530/11/2	400 V	3-phase	10	7,5	14,3	200 - 330 - 550	97 - 87 - 29	2"½	2"	1277	677	200	68	71,4
CV 14/530	ET530/14/2	400 V	3-phase	12,5	9,2	17,7	200 - 330 - 550	123 - 111 - 37	2"½	2"	1465	827	200	68	85,2




PERFORMANCE CURVES - 2 poles 50 Hz

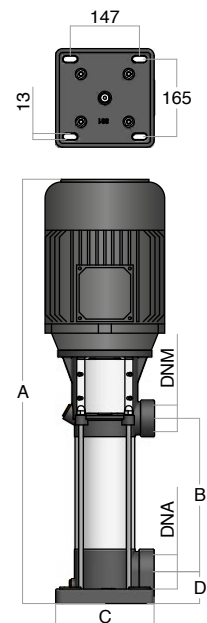


External electric pumps CV series 700

vertical multistage

PERFORMANCE DATA - 2 poles 50 Hz

Semi-axial impeller 	Code	Version		P2		A	Flow		DNA	DNM	Dimensions (mm)				Weight kg
				hp	kW		l/min	m			A	B	C	D	
CV 3/700	ET700/03/2	400 V	3-phase	5,5	4	8,4	300 - 450 - 700	35 - 28 - 9	2"½	2"	897	361	200	68	45,3
CV 5/700	ET700/05/2	400 V	3-phase	7,5	5,5	10,1	300 - 450 - 700	59 - 46 - 14	2"½	2"	1062	517	200	68	55,1
CV 6/700	ET700/06/2	400 V	3-phase	10	7,5	14,3	300 - 450 - 700	68 - 54 - 17	2"½	2"	1195	595	200	68	70,8
CV 8/700	ET700/08/2	400 V	3-phase	12,5	9,2	17,7	300 - 450 - 700	93 - 76 - 29	2"½	2"	1389	751	200	68	84,7
CV 10/700	ET700/10/1	400 V	3-phase	15	11	19,4	300 - 450 - 700	116 - 96 - 36	2"½	2"	1626	907	200	68	91,1



PERFORMANCE CURVES - 2 poles 50 Hz

