

CV



External electric pumps CV

vertical multistage



APPLICATION

To pump water from reservoirs or tanks

To pressurize civil, agricultural and industrial plants

Irrigation

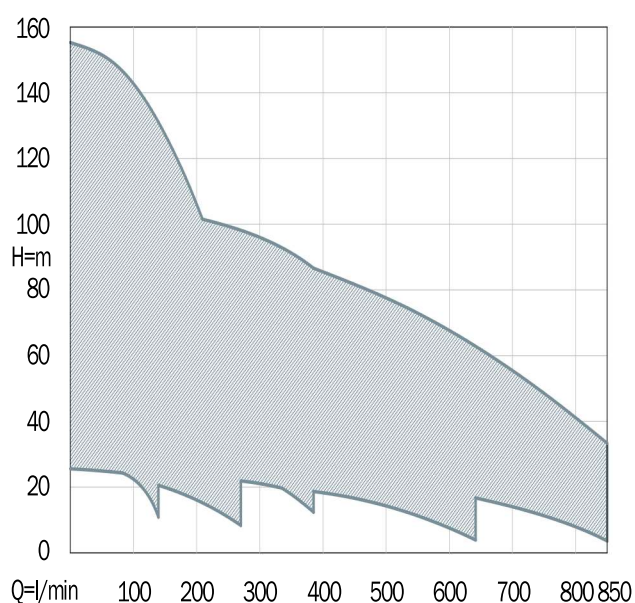
To feed boilers

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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PERFORMANCE DATA - 2 poles 60 Hz

<div>Radial impeller</div> <div></div>	P2		1~230 V		3~400 V	DNA	Q	Flow															
	hp	kW	A	µF	A			DNM	m³/h	0	2,4	4,2	5,4	6	7,2	8,4	9	10,2	11,4	13,8	16,2	18	21,6
						l/min	0		40	70	90	100	120	140	150	170	190	230	270	300	360	390	
SERIES 110																							
CV 3/110	1	0,75	4,9	25	1,8	1"½	H (m)	38	35	31	27	25	20	13									
CV 4/110	1,5	1,1	7,4	25	2,9	1"½		51	47	41	36	33	26	18									
CV 6/110	2	1,5			3,3	1"½		76	71	62	54	49	39	26									
CV 9/110	3	2,2			4,85	1"½		114	106	93	81	74	59	39									
CV 12/110	4	3			6	1"½		153	142	124	108	98	78	53									
SERIES 230																							
CV 2/230	1,5	1,1	7,4	25	2,9	1"½	H (m)	28				26	25	23	22	21	19	15	10				
CV 3/230	2	1,5			3,3	1"½		42				39	37	35	34	31	29	23	15				
CV 4/230	3	2,2			4,85	1"½		55				52	50	47	45	42	38	30	20				
CV 6/230	4	3			6	1"½		82				77	74	69	67	62	57	46	30				
CV 8/230	5,5	4			8,4	1"½		112				105	101	94	91	84	78	62	39				
CV 11/230	7,5	5,5			10,1	1"½		152				144	137	126	122	114	104	81	54				
SERIES 330																							
CV 3/330	3	2,2			4,85	1"½	H (m)	43							38	37	36	33	30	27	20	15	
CV 4/330	4	3			6	1"½		58							51	50	48	44	39	35	26	20	
CV 5/330	5,5	4			8,4	1"½		73							65	62	60	56	51	46	33	25	
CV 7/330	7,5	5,5			10,1	1"½		100							87	84	82	76	69	62	45	35	


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<div>Radial impeller</div> <div></div>	P2		3~400 V	DNA	DNM	Q	Flow													
	hp	kW	A			m³/h	0	9	15	18	21	24	27	30	33	36	39	42	48	
						l/min	0	150	250	300	350	400	450	500	550	600	650	700	800	
SERIES 530																				
CV 2/530	4	3	6	2"½	2"	H (m)	29	27	26	24	23	21	19	16	13	9	5			
CV 3/530	5,5	4	8,4	2"½	2"		44	41	38	37	35	32	28	24	19	14	8			
CV 4/530	7,5	5,5	10,1	2"½	2"		58	54	52	50	47	42	37	30	23	16	8			
CV 6/530	10	7,5	14,3	2"½	2"		87	81	76	72	68	63	57	49	40	30	18			
CV 7/530	12,5	9,2	17,7	2"½	2"		102	95	90	85	81	74	66	55	44	32	18			
<div>Semi-axial impeller</div> <div></div>	P2		3~400 V	DNA	DNM	Q	Flow													
	hp	kW	A			m³/h	0	9	15	18	21	24	27	30	33	36	39	42	48	
						l/min	0	150	250	300	350	400	450	500	550	600	650	700	800	
SERIES 700																				
CV 2/700	5,5	4	8,4	2"½	2"	H (m)	40			33	32	31	29	27	26	23	21	18	11	
CV 3/700	7,5	5,5	10,1	2"½	2"		60			50	48	46	44	41	38	35	31	27	17	
CV 4/700	10	7,5	14,3	2"½	2"		80			66	64	62	59	55	51	46	41	35	22	
CV 5/700	12,5	9,2	17,7	2"½	2"		101			83	80	77	74	69	64	58	51	44	28	

External electric pumps CV series 110

vertical multistage

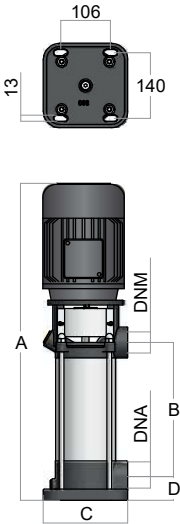
PERFORMANCE DATA - 2 poles 60 Hz

Radial impeller 	Code	Version		P2		A	Flow		DNA	Dimensions (mm)				Weight
				hp	kW		l/min	m		DNM	A	B	C	D
CV 3/110	EMZ110/03	230 V	1-phase	1	0,75	4,9	40 - 90 - 140	35 - 27 - 13	1"½	662	286	180	51	20
	ETZ110/03/2	400 V	3-phase			1,8				667				
CV 4/110	EMZ110/04	230 V	1-phase	1,5	1,1	7,4	40 - 90 - 140	47 - 36 - 18	1"½	662	286	180	51	21,5
	ETZ110/04/2	400 V	3-phase			2,9				667				22,2
CV 6/110	ETZ110/06/2	400 V	3-phase	2	1,5	3,3	40 - 90 - 140	71 - 54 - 26	1"½	667	286	180	51	22,2
CV 9/110	ETZ110/09/2	400 V	3-phase	3	2,2	4,85	40 - 90 - 140	106 - 81 - 39	1"½	804	376	180	51	31,2
CV 12/110	ETZ110/12/2	400 V	3-phase	4	3	6	40 - 90 - 140	142 - 108 - 53	1"½	928	466	180	51	40,4



SUPPLIED WITH

Capacitor (single-phase versions)



PERFORMANCE CURVES - 2 poles 60 Hz

