

# CVM with E-drive



## Vertical multistage centrifugal pumps in cast iron with variable frequency drive

Vertical multistage centrifugal pumps complete with inverter. Reliable, these pumps combine the features of a standard CVM and all advantages of an E-drive system. Energy saving and high performances are his strengths points; the possibility to use different set points provide makes them even more suitable for increasing pressure in general, pressure boosting system, irrigation, washing systems and handling clean water.



Pump supplied with counter-flanges



Easy maintenance



Practical and easy to use



Low noise

## Technical data

Max. working pressure	11 bar
Max. temperature of the liquid	40°C
MEI	> 0,4
Poles	2
Insulation class	F
Protection degree	IP44
Voltage	Inverter single phase 230V Inverter three phase 400V

## Materials

Pump body	Cast iron
Impeller	PPE+PS reinforced with fibreglass
Shaft	AISI 416
Mechanical seal	Ceramic/Carbon/NBR (standard)
Motor support	Cast iron

## Accessories



### Tanks

Page 384 - 8/10/16 bar 5/24 litres tanks



### Floats

Page 379 - Key floats with counterweight



### Pressure switches

Page 379 - 1,4÷10,5 bar pressure switches



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Single phase 230V*											2 Poles					
Model	Code	HP	kW	Q=Flow rate								Abs. Curr. [A]**	DNA	DNM	Weight [kg]	
				l/min	20	30	40	60	80	100	120					
				m <sup>3</sup> /h	1,2	1,8	2,4	3,6	4,8	6	7,2					
H=Total head [m]																
CVM/I A/10 EDM	1547501101I	1	0,75		57,5	54,0	49,5	36,6	19,5	-	-	15	G1¼	G1¼	20,6	
CVM/I A/12 EDM	1547501102I	1	0,9		69,0	65,0	59,5	44,0	23,4	-	-	15	G1¼	G1¼	22,4	
CVM/I A/15 EDM	1547501103I	1,5	1,1		80,5	75,5	69,5	51,0	27,3	-	-	15	G1¼	G1¼	22,6	
CVM/I B/15 EDM	1547501104I	1,5	1,1		-	60,5	58,5	53,3	45,8	36,0	24,5	15	G1¼	G1¼	21,9	
CVM/I B/20 EDM	1547501105I	2	1,5		-	74,0	72,0	65,5	56,0	44,5	30,6	15	G1¼	G1¼	26,8	

\* Inverter single phase 230V main supply with 230V three phase pump  
 \*\* Max. absorbed current from the inverter

Three phase 400V											2 Poles					
Model	Code	HP	kW	Q=Flow rate								Abs. Curr. [A]**	DNA	DNM	Weight [kg]	
				l/min	20	30	40	60	80	100	120					
				m <sup>3</sup> /h	1,2	1,8	2,4	3,6	4,8	6	7,2					
H=Total head [m]																
CVM/I A/10 EDT	1547501108I	1	0,75		57,5	54,0	49,5	36,6	19,5	-	-	10	G1¼	G1¼	21,1	
CVM/I A/12 EDT	1547501109I	1	0,9		69,0	65,0	59,5	44,0	23,4	-	-	10	G1¼	G1¼	22,9	
CVM/I A/15 EDT	1547501110I	1,5	1,1		80,5	75,5	69,5	51,0	27,3	-	-	10	G1¼	G1¼	23,1	
CVM/I B/15 EDT	1547501111I	1,5	1,1		-	60,5	58,5	53,3	45,8	36,0	24,5	10	G1¼	G1¼	22,4	
CVM/I B/20 EDT	1547501112I	2	1,5		-	74,0	72,0	65,5	56,0	44,5	30,6	10	G1¼	G1¼	27,3	
CVM/I B/23 EDT	1547501106I	2,3	1,7		-	86,0	84,0	76,5	65,5	51,5	35,7	10	G1¼	G1¼	27,9	
CVM/I B/25 EDT	1547501107I	2,5	1,85		-	98,5	96,0	87,0	74,5	59,0	41,0	10	G1¼	G1¼	28,2	

\*\* Max. absorbed current from the inverter

CVM WITH E-drive