

COMBIPRESS "CB2"

Pressure boosting sets



CB2 - 2CP



CB2 - 4CP

OPERATING PRINCIPLES

COMBIPRESS are twin pump pressure boosting sets supplied pre-assembled and ready to install.

The sets are designed so that the pumps operate automatically in succession as the demand for water increases.

This results in significant energy savings as the second pump only runs at times of high demand.

The lead pump is alternated automatically by the control box.

USES

- Clean water and chemically non-aggressive liquids.
- Water supply: pressure boosting in industrial applications, condominiums, hotels, communities, water treatment plants, campsites, schools, hospitals, barracks, etc
- Irrigation: playing fields in general (football, golf, etc), agricultural cultivation, artificial snow systems.

CONSTRUCTION AND SAFETY STANDARDS

EN 60034-1
IEC 60034-1
CEI 2-3



CERTIFICATIONS



CONSTRUCTION CHARACTERISTICS

- **PUMPS** complete with suction and delivery manifolds, ball valves and non-return valves
- **BASE** made from sheet metal
- **PRE-INSTALLED** control systems, comprising a pressure gauge and two user-adjustable pressure switches (the factory settings are indicated in the following tables), fitted to the delivery manifold.
- **CONTROL BOX** complete with door-interlock power switch, low voltage pressure switch command circuit, automatic pump alternation function, thermal overload protection and pump start-up protection (prevents the pumps from continuously starting-up as a result of small and brief supply demands).

CB2m: single-phase 230 V - 50 Hz.

CB2: three-phase 230/400 V - 50 Hz up to 4 kW.
400/690 V - 50 Hz from 5.5 to 18.5 kW.

GUARANTEE

1 year subject to terms and conditions

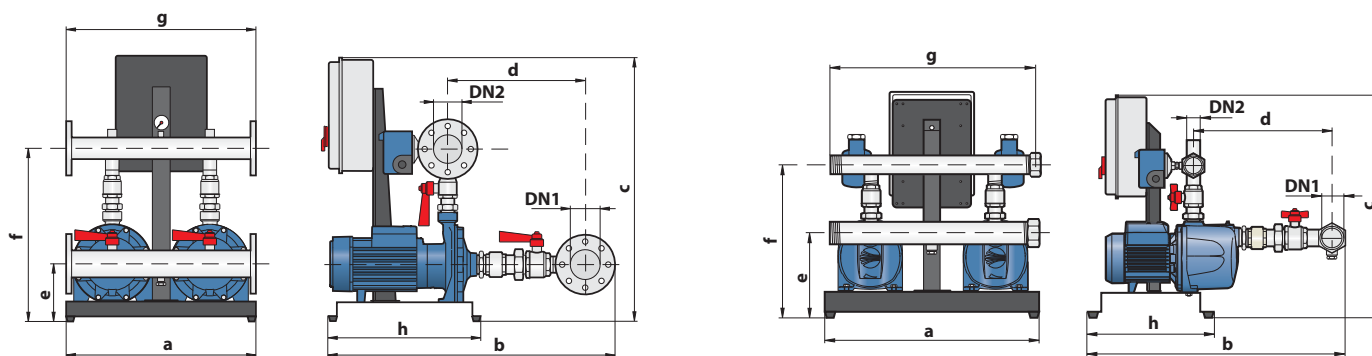
PERFORMANCE DATA

50 Hz n= 2900 1/min HS= 0 m

MODEL	1~	3~	POWER		Q	H metres																		
			kW	HP		m³/h	0	2.4	4.8	7.2	9.6	12.0	13.2	15.0	16.8	19.2	21.6	24.0	30.0	36.0	42.0	48.0		
						l/min	0	40	80	120	160	200	220	250	280	320	360	400	500	600	700	800		
CB2 - 2CP 25/130N	●	●	2x0.75	2x1	H metres	42	39	34	28.5	22	15													
CB2 - 2CP 25/140H	●	●	2x1.1	2x1.5		54	53	49	42	34	24													
CB2 - 2CP 25/140M	●	●	2x1.1	1.5		47	46	44	42	38	34	31	27	22										
CB2 - 2CP 25/160B	●	●	2x1.5	2x2		58	56	54	52	48	44	41	37	33	26									
CB2 - 2CP 25/160A		●	2x2.2	2x3		68	66.5	65	62	58	54	51	47	42	35	28								
CB2 - 2CP 32/200C		●	2x3	2x4		70	-	66.5	65	63	60.5	59	57	55	52	49.5	46.5	36						
CB2 - 2CP 32/200B		●	2x4	2x5.5		85	-	81	79	77	75	74	72	69	66	62	58	49						
CB2 - 2CP 32/210B		●	2x5.5	2x7.5		94	-	94	93	91	89	87	85	83	79	75	70	56						
CB2 - 2CP 32/210A		●	2x7.5	2x10		112	-	111	110.5	110	108	107	105	102	99	94	89	74						
CB2 - 2CP 40/180C		●	2x4	2x5.5		64	-	-	-	-	62	61.3	60.1	59.0	57.5	56	54.5	49	43	35				
CB2 - 2CP 40/180B		●	2x5.5	2x7.5		76	-	-	-	-	73	72.5	71.8	71.0	70.0	69	67.5	64	59.5	54	46			
CB2 - 2CP 40/180A		●	2x7.5	2x10		88	-	-	-	-	85	84.5	83.8	83.0	82.0	81	79.5	76	72	67	60			

MODEL	1~	3~	POWER		Q	H metres																	
			kW	HP		m³/h	0	0.6	1.2	2.4	3.6	4.8	7.2	8.4	9.6	10.8	12.0	13.2	14.4	15.6			
						l/min	0	10	20	40	60	80	120	140	160	180	200	220	240	260			
CB2 - 4CPm 100E	●		2x0.75	2x1	H metres	46	45	44	42	40	38	33	30	26.5	22.5	19	15	10	5				

DIMENSIONS AND WEIGHT



CB2-2CP 40/

CB2 -2CP 25/ • CB2-2CP 32/ • CB2-4CP

MODEL		PORTS		DIMENSIONS mm								kg	
Single-phase	Three-phase	DN1	DN2	a	b	c	d	e	f	g	h	1~	3~
CB2 - 2CPm 25/130N	CB2 - 2CP 25/130N	1½"	1½"	520	600	620	300	155	420	500	305	51.0	50.5
CB2 - 2CPm 25/140H	CB2 - 2CP 25/140H	2"	1½"	615	595	645	330	170	455		380	67.5	67.0
CB2 - 2CPm 25/140M	CB2 - 2CP 25/140M				596		350					67.5	67.0
CB2 - 2CPm 25/160B	CB2 - 2CP 25/160B				715		355	190	472			77.5	77.0
-	CB2 - 2CP 25/160A				-		-	-	-	80.0		-	
-	CB2 - 2CP 32/200C	3"	2"	700	970	780	470	210	570	700	565	-	119.0
-	CB2 - 2CP 32/200B				-	-	-		-		125.0	-	
-	CB2 - 2CP 32/210B				920	895	430	590	-		156.0		
-	CB2 - 2CP 32/210A				-	-	-	-	-		163.0		
-	CB2 - 2CP 40/180C	100	80	700	980	780	420	210	610	500	305	-	175.0
-	CB2 - 2CP 40/180B				-	-	-	-	-		-	185.0	
-	CB2 - 2CP 40/180A				-	-	-	-	-		-	195.0	
CB2 - 4CPm100E	-				1½"	1½"	520	670	630		340	190	495