

Technical data

ACCORDING TO ISO 7183:2007 AND CAGI PNEUROP PN8NTC2

TYPE	MAX. WORKING PRESSURE		AIR TREATMENT CAPACITY ¹			NOMINAL ELECTRICAL POWER ¹	VOLTAGE	INLET/ OUTLET CONNECTIONS	DIMENSIONS (MM.)			WEIGHT	REFRIGERATION GAS TYPE
	bar	psi	l/min	mc/h	cfm				A	B	C		
CPX 10	16	232	350	21	12,4	130	230/50/1	3/4" M	493	350	450	19	R513A
CPX 20	16	232	600	36	21,2	164	230/50/1	3/4" M	493	350	450	19	R513A
CPX 30	16	232	850	51	30,0	190	230/50/1	3/4" M	493	350	450	20	R513A
CPX 40	16	232	1200	72	42,4	266	230/50/1	3/4" M	493	350	450	25	R513A
CPX 60	16	232	1825	110	64,4	284	230/50/1	3/4" M	493	350	450	27	R513A
CPX 80	14	203	2350	141	83,0	674	230/50/1	1" F	497	370	764	44	R513A
CPX 100	14	203	3000	180	106	716	230/50/1	1" F	497	370	764	44	R513A
CPX 125	14	203	3600	216	127	631	230/50/1	1" 1/2 F	557	460	789	62	R410A
CPX 150	14	203	4100	246	145	705	230/50/1	1" 1/2 F	557	460	789	60	R410A
CPX 180	14	203	5200	312	184	905	230/50/1	1" 1/2 F	557	460	789	62	R410A
CPX 225	14	203	6500	390	230	969	230/50/1	1" 1/2 F	587	580	899	82	R410A
CPX 270	14	203	7700	462	272	1124	230/50/1	1" 1/2 F	587	580	899	82	R410A
CPX 350	14	203	10000	600	353	1540	400/50/3	2" F	1070	805	962	145	R410A
CPX 425	14	203	12000	720	424	1980	400/50/3	2" F	1070	805	962	158	R410A
CPX 530	14	203	15000	900	530	2010	400/50/3	2" 1/2 F	1070	805	962	165	R410A
CPX 700	14	203	18000	1080	636	2770	400/50/3	2" 1/2 F	1070	805	962	164	R410A
CPX 850	14	203	24000	1440	848	3260	400/50/3	3" F	1083	1020	1526	325	R410A
CPX 1000	14	203	30000	1800	1060	3890	400/50/3	3" F	1083	1020	1526	335	R410A
CPX 1200	14	203	35000	2100	1237	4750	400/50/3	3" F	1083	1020	1526	350	R410A
CPX 1500	14	203	45000	2700	1589	6715	400/50/3	DN 125	1121	1020	1526	380	R452A
CPX 1700	14	203	50000	3000	1766	6800	400/50/3	DN 125	2099	1020	1535	550	R452A
CPX 2500	14	203	70000	4200	2472	10200	400/50/3	DN 125	2099	1020	1535	600	R452A
CPX 3000	14	203	84000	5040	2966	12300	400/50/3	DN 125	2099	1020	1535	650	R452A

NOTES:

Reference conditions:

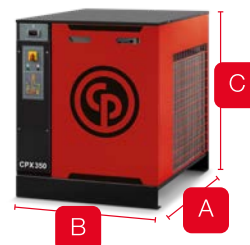
- Operating pressure: 7 bar (100 psi)
- Operating temperature: 35°C
- Room temperature: 25°C
- Pressure dewpoint: +4°C +/-1
- Available in different voltages and frequencies

Operating limit conditions:

- Max. operating pressure: 16 bar (232 psi) CPX 10-60 - 14 bar (203 psi) CPX 80-3000
- Max. inlet temperature: 55°C (60°C. for CPX 350-3000)
- Min/Max ambient temperature: +5°C; 45°C (+5°C; 46°C for CPX 350-3000)

Optional for CPX (10-60):

- Bypass + filter support
- Filter support



Correction factor for conditions differing from the project $K = A \times B \times C$

Room temperature	°C	25	30	35	40	43	46	
	A	1,00	0,92	0,84	0,80	0,79	/	(CPX 10-270)
		1,00	0,91	0,81	0,72	/	0,62	(CPX 350-3000)

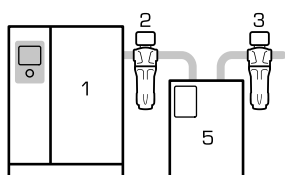
Operating temperature	°C	25	30	35	40	45	50	55	60	
	B	1,24	1,00	0,82	0,69	0,54	0,58	0,45	/	(CPX 10-270)
		1,00	1,00	0,81	0,72	0,62	0,58	0,49	0,42	(CPX 350-3000)

Operating pressure	bar	5	6	7	8	9	10	11	12	13	14	15	16	
	C	0,90	0,96	1,00	1,03	1,06	1,08	1,10	1,12	1,13	1,15	1,16	1,17	(CPX 10-270)
		0,90	0,97	1,00	1,03	1,05	1,07	1,09	1,11	1,12	1,15			(CPX 350-3000)

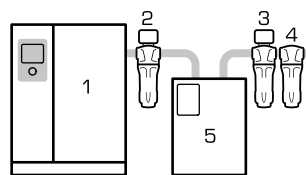
The new flow rate value can be obtained by dividing the current or real flow rate by the correction factor related to the real operation conditions.

Typical installations

High quality air with reduced dew point (air purity to ISO 8573-1: class 1:4:2)



High quality air with reduced dew point and oil concentration (air purity to ISO 8573-1: class 1:4:1)



- Compressor with after cooler 1
- G filter 2
- C filter 3
- V filter 4
- Refrigerant dryer 5

Vertical receiver is always suggested