

Mbsm.pro, Compressor, C-BZ120, 1/6 hp, 120w, Mhbp, r12, C-BZ, C-BZN, KULTHORN compressor

Category: compressor

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The **C-BZ120** is a model of compressor manufactured by **Kulthorn Kirby**, a well-known company in the refrigeration and air conditioning industry. Here's a breakdown of the details you provided:

1. **Model:** C-BZ120
2. **Power:** 1/6 horsepower (HP)
3. **Wattage:** 120W
4. **Refrigerant:** R12 (a chlorofluorocarbon refrigerant, now largely phased out due to environmental concerns)
5. **Series:** C-BZ or C-BZN (likely indicating variations or specific configurations of the compressor)
6. **Brand:** Kulthorn Kirby

Key Features:

- **1/6 HP:** This indicates the motor's power output, suitable for small refrigeration systems.
- **120W:** The electrical power consumption of the compressor.

- **R12 Refrigerant:** This compressor was designed for use with R12, which was commonly used in older refrigeration systems. Due to its ozone-depleting properties, R12 has been replaced by more environmentally friendly refrigerants like R134a or R600a.
- **MHBP:** This likely stands for “Medium High Back Pressure,” indicating the compressor is designed for medium-temperature applications, such as commercial refrigeration or air conditioning systems.

Applications:

R134a MHBP				C-BZN Series (Standard Performance)															
Models	Power (HP)	App.	Disp (cc)	Cooling (w)				COP (w/w)				Motor type	Cooling		Start Cap		Run Cap		H1 (mm)
				Evap -6.7 °C		Evap 7.2 °C		Evap -6.7 °C		Evap 7.2 °C			Type	mF	vac	mF	vac		
				50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz								
220-240V/50Hz.																			
C-BZN110M5*	1/7	MHBP	4.16	226	**	447	**	1.71	**	2.50	**	CSIR/CSR	F/O	20	300	3.5-5	350	178	
C-BZN120M5*	1/6	MHBP	4.50	245	**	484	**	1.74	**	2.52	**	CSIR/CSR	F/O	20	300	3.5-5	350	178	
C-BZN140M5*	1/6	MHBP	5.20	283	**	559	**	1.74	**	2.52	**	CSIR/CSR	F/O	20	300	3.5-5	350	178	
C-BZN170M5*	1/5	MHBP	6.08	331	**	654	**	1.75	**	2.53	**	CSIR/CSR	F/O	20	300	3.5-5	350	188	
C-BZN180M5*	1/5	MHBP	6.65	361	**	715	**	1.75	**	2.53	**	CSIR/CSR	F/O	20	300	3.5-5	350	188	
C-BZN200M5*	1/4	MHBP	7.24	394	**	778	**	1.76	**	2.55	**	CSIR/CSR	F/O	20	300	3.5-5	350	188	
C-BZN250M5*	1/3	MHBP	8.37	455	**	900	**	1.76	**	2.55	**	CSIR/CSR	F/O	20	300	3.5-5	350	195	
C-BZN275M5*	1/3	MHBP	9.03	491	**	971	**	1.77	**	2.56	**	CSIR/CSR	F/O	20	300	3.5-5	350	198	
C-BZN300M5*	1/2	MHBP	9.82	534	**	1056	**	1.77	**	2.56	**	CSIR/CSR	F/O	20	300	3.5-5	350	198	
200-220V/50Hz., 220V/60Hz.																			
C-BZN110M6*	1/7	MHBP	4.16	226	268	447	523	1.71	1.75	2.50	2.54	CSIR/CSR	F/O	20	300	3.5-5	350	178	
C-BZN120M6*	1/6	MHBP	4.50	245	290	484	566	1.74	1.78	2.52	2.57	CSIR/CSR	F/O	20	300	3.5-5	350	178	
C-BZN140M6*	1/6	MHBP	5.20	283	335	559	654	1.74	1.78	2.52	2.57	CSIR/CSR	F/O	20	300	3.5-5	350	178	
C-BZN170M6*	1/5	MHBP	6.08	331	392	654	765	1.75	1.79	2.53	2.58	CSIR/CSR	F/O	20	300	3.5-5	350	188	
C-BZN180M6*	1/5	MHBP	6.65	361	428	715	837	1.75	1.79	2.53	2.58	CSIR/CSR	F/O	20	300	3.5-5	350	188	
C-BZN200M6*	1/4	MHBP	7.24	394	466	778	911	1.76	1.80	2.55	2.60	CSIR/CSR	F/O	20	300	3.5-5	350	188	
C-BZN250M6*	1/3	MHBP	8.37	455	539	900	1053	1.76	1.80	2.55	2.60	CSIR/CSR	F/O	20	300	3.5-5	350	195	
C-BZN275M6*	1/3	MHBP	9.03	491	582	971	1136	1.77	1.81	2.56	2.61	CSIR/CSR	F/O	20	300	3.5-5	350	198	
C-BZN300M6*	1/2	MHBP	9.82	534	632	1056	1235	1.77	1.81	2.56	2.61	CSIR/CSR	F/O	20	300	3.5-5	350	198	





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The C-BZ120 compressor is typically used in small refrigeration units, such as:

- Domestic refrigerators
- Small commercial coolers
- Beverage dispensers
- Ice machines

Notes:

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- Since R12 is no longer widely used, retrofitting may be required if you plan to use this compressor with modern refrigerants.
- Ensure compatibility with your system's specifications before installation.