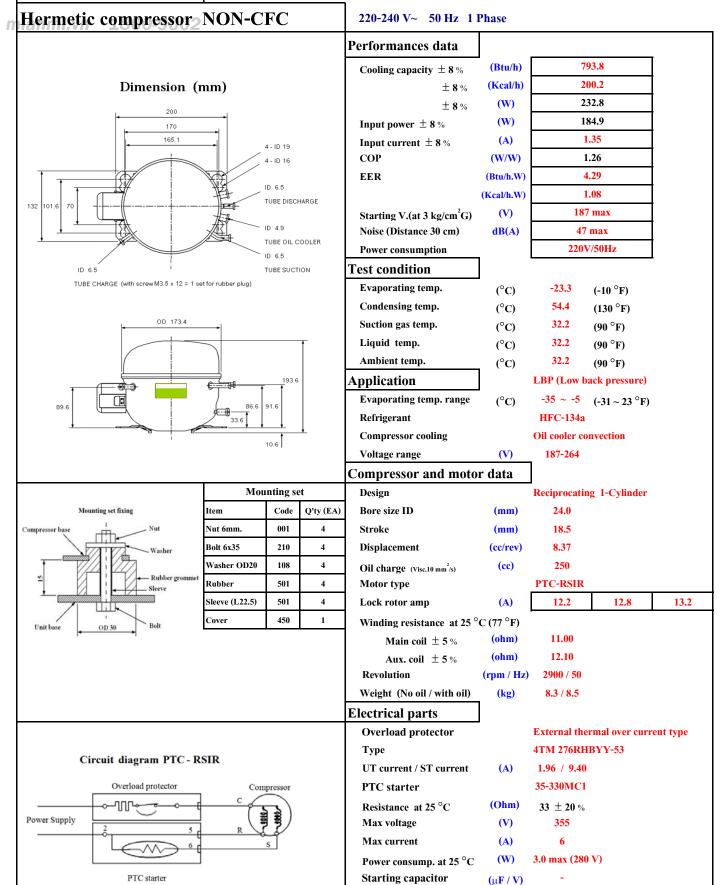
Specification sheet

Model C-BZN200L5R

Customer

Name Phu Dai Hung





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Running capacitor

Title

Application Standard

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[C-BN, C-BZN Compressor L.B.P/M.B.P/H.B.P Type]

mia nmi.vn 1800-9 When use compressor, confirm if the following standards are kept.

No	Item	Standard & Designation	Conditions - Remark
1	Refrigerant	R134a (HFC-134a)	
2	Evaporating temp.	L.B.P35~-5 °C (-31~23 °F)	Except for the short period such as
		M.B.P./H.B.P -15 ~ 10 °C (5~50 °F)	Pull-down etc.
3	Condensing temp.	60 °C (140 °F) max .	In stabilized at A/T 43 °C (110 °F)
		40-45 °C (104~113 °F)	In stabilized at A/T 30 °C (86 °F)
		Recommend temp.	At the peak in pull-down in A/T 43 °C (110 °F)
		68 °C (154 °F) max .	During the pull-down period at ambient
			temp. of 43 °C (110 °F)
4	Compression ratio	L.B.P. : 14.5 max.	Hi-side / Lo-side pressure (abs)
		M.B.P./H.B.P: 12.0 max.	Except very short period as pull-down.
5	Motor winding temp.	Usual : 115 °C (239 °F) max.	In stabilized at A/T 30 °C (86 °F)
		Max. : 130 °C (266 °F) max.	In stabilized at A/T 43 °C (110 °F)
			with ±10% x rated voltage.
6	Shell bottom temp.	Max. : 105 °C (221 °F) max.	In stabilized at A/T 43 °C (110 °F)
	(low side)		with ± 10% x rated voltage.
7	Discharge gas temp.	Usual : 105 °C (221 °F) max.	In stabilized at A/T 30 °C (86 °F)
		Max. : 121 °C (250 °F) max.	In stabilized at A/T 43 °C (110 °F)
			with ± 10% x rated voltage.
		* Measured on the pipe at	5 cm (2 inches) away from shell.
8	Suction gas temp.	5 °C (41 °F) min.	Follow strictly items 5, 6 and 7, on the pipe
	(Super Heat)		At 20~30 cm (8~12 inches) away from shell.
9	Voltage range	-15%~+10% x rating	At the terminals of compressor
10	Refrigerant Charge	Minimal	Minimize meeting cooling performance,
			startability, temperature limits,
			pressure limits and the like.
11	Oil charge	Designated quantity	Charge in designated oil
		± 3%	Acid number 0.02K0H/g max.
			Colour 1.0 Max (ASTM standard)
			Moisture 10 ppm max.
			Residual gas. 0.2 Vol% max.
12	Moisture	15 ppm max.	Special dryer is needed
			(For instance XH-7 or XH-9)
13	Non-condensable gas	Total: 1% (Vol) max.	Recommended Level of evacuation should be less
		Oxygen: 0.01% (Vol) max.	than 1.01 Kpa at 24 hours after evacution complete
14	Dust and Dirt	To be determaind	Need to survey user capability.
15	Pressure rise at	3.43 MPa max.	Even in case of condenser fan-blocked.
	abnormal situation		

PES-F33

ทบทวนครั้งที่ 0 อนุมัติใช้เมื่อ 08/57 GQM

Title

Application Standard

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[C-BN, C-BZN Compressor L.B.P/M.B.P/H.B.P Type]

nianmi.vn 1800-9when use compressor, confirm if the following standards are kept.

No	Item	Standard & Designation	Conditions - Remark
16	On-Off period	6 times / hour	Recommended to start up at balanced Hi-Low
		(Recommended)	pressure in 5 minutes after standstill.
17	Oil return in comp.	90% min. the charge	Measure in hot condition after designated
			applirance test.
18	Strain in piping	34.32 N/mm ² max.	At time of start-up and disconnection.
		12.26 N/mm ² max.	in operation
19	Degree of tilt	On running, compressor shall not be tilted more than 5 degrees in all direction.	
20	Electical parts	Designated parts	Confirm its suitability with unit test.
			Keep to designated temperature range.
21	Mounting parts	Designated parts or equivalents	Confirm its suitability with unit transportation test.

NOTE

A. Remarks on Compressor

- (1). In principle, the compressor charged with lubricating oil must be used within about 6 month from production date.
- (2). Usual the compressor by removing the plug at the tube end and check to see if gas comes out from the compressor. If no gas is detected. The compressor must not be used.
- (3). Do not leave the compressor with its pinch plug open for more than about 15 minutes.
- (4). Never run the compressor with any air other than the refrigerant.
- (5). Never run the compressor without refrigerant properly filled inside.
- (6). Never run when the compressor has vacuum.
- (7). Never run the compressor without lubricating oil properly field inside.
- (8). Never run the compressor without refrigeration systems properly completed.
- (9). A dropped compressor must not be used.

B. Remarks on Refrigeration Systems.

- (1). To avoid any contamination on the refrigerator assembly line, a dedicated charging station (refrigerant or oil) must be used.
- (2). All materials used in the process must be compatible with the R134a (HFC-134a).
- (3). The system components must have a degree of cleanliness better than that of CFC12 system. Especially residue of chlorinated impurity shall not be allowed.
- (4). The maximum moisture content in refrigerant cycle should be 150 mg.
- (5). Special dryer is needed when using R134a (HFC-134a). (for instance XH-7 or XH-9 from Union Carbide) Usually a 20% larger dryer is recommended.
- (6). Special leak-detectors have to be used.

C. Others (The ambient condition to be observed)

- (1). 43 °C (110 °F) or less.
- (2). Keep well ventilated around the compressors.
- (3). Keep well dryed around the compressors.
- (4). Avoid operation the compressor when a corrosive gas or an inflammable gas is present.
- (5). Do not operate the compressor in any vibration consonant.

ทบทวนครั้งที่ 0 อนุมัติใช้เมื่อ 08/57 GQM