

Title	General specification		Page 2 of 9
Code 801 728 50		Model C-BZN 250H0Z	
1) Application		HBP (High Back Pressure)	
1.1) Evaporating temp.range	(°C)	-15 ~ +10	
1.2) Refrigerant		R-134a	
1.3) Compressor cooling		Fan cooling (3 m/s)	
1.4) Voltage range	(V)	85~110	
2) Rated Performance			
2.1) Cooling capacity ± 10%	(Btu/h)	2997.4	3505.5
± 10%	(Kcal/h)	755.9	884.1
± 10%	(W)	879.0	1028.0
2.2) Input power ± 10%	(W)	396.0	466.0
2.3) Input current ± 10%	(A)	5.73	5.74
2.4) COP	(W/W)	2.22	2.21
2.5) EER	(Btu/h.W)	7.57	7.52
	(Kcal/h.W)	1.91	1.90
2.6) Starting voltage (at 5 kg/cm ² G)	(V)	85 Max	
2.7) Noise (Distance 30 cm)	dB(A)	48 Max	49 Max
2.8) Power consumption		50Hz / 100V	60Hz / 100V
2.9) Test condition			
2.9.1) Evaporating temp.	(°C)	7.2	
2.9.2) Condensing temp.	(°C)	54.4	
2.9.3) Suction gas temp.	(°C)	35.0	
2.9.4) Liquid temp.	(°C)	46.1	
2.9.5) Ambient temp.	(°C)	35.0	
3) Compressor		Reciprocating 1-Cylinder	
3.1) Design		ID 24.0	
3.2) Bore size	(mm)	18.5	
3.3) Stroke	(mm)	8.37	
3.4) Displacement	(cc/rev)	ID 6.5	
3.5) Tube suction connection	(mm)	ID 6.5	
3.6) Tube discharge connection	(mm)	-	
3.7) Tube oil cooler connection	(mm)	250	
3.8) Oil charge (WR 20)	(cc)	(With oil)	
4) Motor		1 Phase / 2 Pole / CSIR	
4.1) Type		50Hz / 100V	60Hz / 100V
4.2) Power consumption		250.9	198.0
4.3) Break down torque (BDT)	(N-cm)	26.7	168.6
4.4) Starting torque (LRT)	(N-cm)	28.2	26.7
4.5) Starting current (LRA)	(A)	External thermal over current type	
4.6) Overload protector		Class E	
4.7) Insulation		2900 / 50 3500 / 60	
4.8) Revolution	(RPM / Hz)		
4.9) Winding resistance At 25 °C			
: Main Coil	(Ohm) ± 5%	1.22	
: Aux. Coil	(Ohm) ± 5%	7.25	
5) Residue			
5.1) Residual moisture	(mg)	75 Max.	
5.2) Impurities (Insol.residue)	(mg)	20 Max.	
6) Weight (Without oil / With oil)	(kg)	8.8 / 9.0	

