

Specification sheet

Model C-BN180M0C

Code 801-682-50

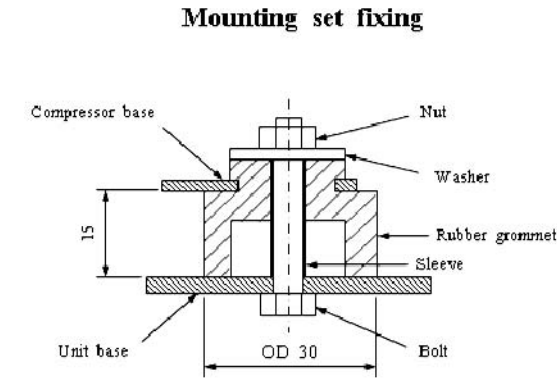
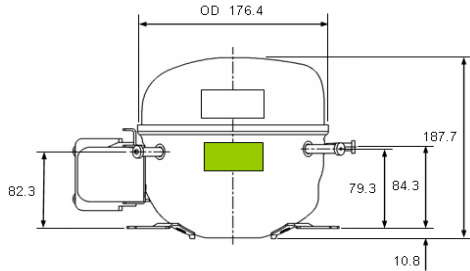
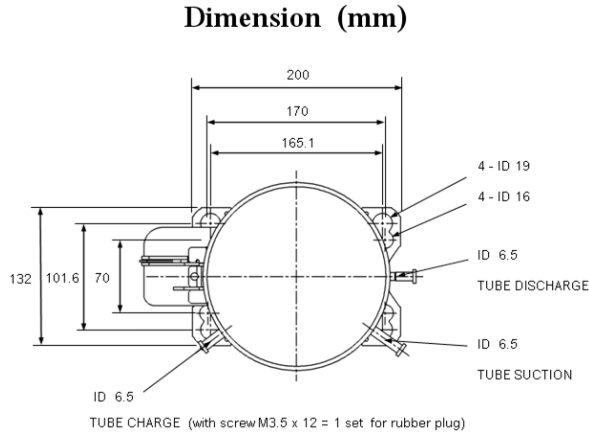


Customer

Name SHOEI CO.,LTD.

Hermetic compressor NON-CFC

100 V~ 50 / 60 Hz 1 Phase



Performances data

Cooling capacity ± 8 %	(Btu/h)	1200.3	1428.8
	(Kcal/h)	302.7	360.3
	(W)	352.0	419.0
Input power ± 8 %	(W)	229.0	270.0
Input current ± 8 %	(A)	3.56	3.52
COP	(W/W)	1.54	1.55
EER	(Btu/h.W)	5.24	5.29
	(Kcal/h.W)	1.32	1.33
Starting V.(at 3 kg/cm ² G)	(V)	90 max	
Noise (Distance 30 cm)	dB(A)	47 max	48 max
Power consumption		100V/50Hz	100V/60Hz

Test condition

Evaporating temp.	(°C)	-6.7	(-20 °F)
Condensing temp.	(°C)	54.4	(130 °F)
Suction gas temp.	(°C)	35.0	(95 °F)
Liquid temp.	(°C)	46.1	(115 °F)
Ambient temp.	(°C)	35.0	(95 °F)

Application

Evaporating temp. range	(°C)	-15 ~ +10	(-5 ~ 50 °F)
Refrigerant		HFC-134a	
Compressor cooling		Fan cooling	
Voltage range	(V)	85-110	

Compressor and motor data

Design		Reciprocating 1-Cylinder	
Bore size ID	(mm)	24.0	
Stroke	(mm)	15.0	
Displacement	(cc/rev)	6.79	
Oil charge (WR 20)	(cc)	280	
Motor type		CSIR	
Lock rotor amp	(A)	15.8	14.9
Winding resistance at 25 °C (77 °F)			
Main coil ± 5 %	(ohm)	2.00	
Aux. coil ± 5 %	(ohm)	3.11	
Revolution	(rpm / Hz)	2900 / 50	3500 / 60
Weight (No oil / with oil)	(kg)	8.3 / 8.5	

Electrical parts

Overload protector		External thermal over current type	
Type		4TM 774NHBY-53 (Sensata)	
UT current / ST current	(A)	4.43 / 19.20	
Current starter		MTRP50 15 (Electrica)	
Pick up current max.	(A)	8.60	
Drop out current min.	(A)	7.35	
Starting capacitor	(μF / V)	100 / 160 (Digital tech)	
Running capacitor	(μF / V)	-	