

Specification sheet

Model **C-BN170M0C**

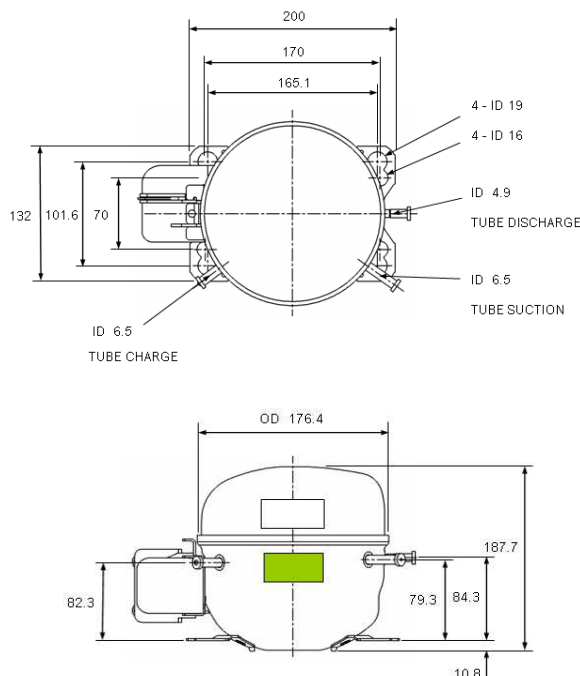
Code **801-672-50**



Hermetic compressor NON-CFC

100 V~ 50 / 60 Hz 1 Phase

Dimension (mm)



Performances data

Cooling capacity $\pm 8\%$	(Btu/h)	1050.3	1248.1
$\pm 8\%$	(Kcal/h)	264.9	314.8
$\pm 8\%$	(W)	308.0	366.0
Input power $\pm 8\%$	(W)	200.0	245.0
Input current $\pm 8\%$	(A)	2.78	2.30
COP	(W/W)	1.54	1.49
EER	(Btu/h.W)	5.25	5.09
	(Kcal/h.W)	1.32	1.28
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	

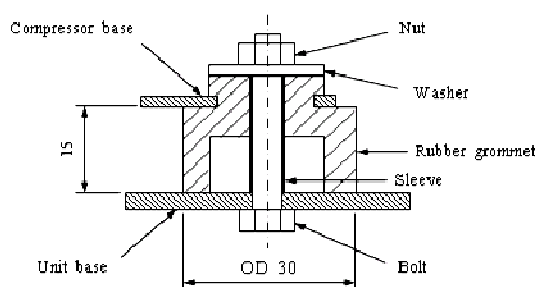
Compressor and motor data

Design		Reciprocating 1-Cylinder	
Bore size ID	(mm)	22.0	
Stroke	(mm)	16.0	
Displacement	(cc/rev)	6.08	
Oil charge (WR 20)	(cc)	280	
Motor type		CSIR	
Lock rotor amp	(A)	14.2	13.2
Winding resistance at 25 °C (77 °F)			
Main coil $\pm 5\%$	(ohm)	2.226	
Aux. coil $\pm 5\%$	(ohm)	14.120	
Revolution	(rpm / Hz)	2900 / 50	3500 / 60
Weight (No oil / with oil)	(kg)	7.5 / 7.7	

Electrical parts

Overload protector		External thermal over current type	
Type		4TM771NHBYY-53 (Sensata)	
UT current / ST current	(A)	4.08 / 17.5	
Current starter		MTRP46 15 (Electrica)	
Pick up current max.	(A)	7.10	
Drop out current min.	(A)	6.00	
Starting capacitor	(μF / V)	75 / 125	
Running capacitor	(μF / V)	-	

Mounting set fixing



Circuit diagram CSIR

