

HVAC SPECIFICATIONS [FULL-AUTO AIR CONDITIONER]

B3E070001038T03

Basic System

Item				Specification		
Heating capacity		(kW {kcal/h})		4.790 {4,119}		
Cooling capacity		(kW {kcal/h})		4.230 {3,637}		
Refrigerant		Type		R-134a		
		Regular amount (approx. quantity)	(g {oz})	500 {17.65}		
A/C compressor		Type		Vane-rotary		
		Discharge capacity	(ml {cc, fl oz})	120 {120, 4.06}		
		Max. allowable speed	(rpm)	7,200		
		Lube oil	Type		ATMOS GU10	
			Sealed volume (approx. quantity)	(ml {cc, fl oz})	125 {125, 4.23}: Z6, ZJ 155 {155, 5.24}: LF	
Condenser		Type		Multiflow (sub-cooling type)		
		Radiated heat	(kW {kcal/h})	6.600 {5,680}		
		Receiver/drier capacity	(ml {cc, fl oz})	180 {180, 6.08}		
		Desiccant		Synthetic zeolite		
Expansion valve		Type		Block type		
Evaporator		Type		Double-tank drawn cup		
Temperature control				Reheat full air mix type		

Control System

Item			Specification
Airflow volume (during heater operation)	Blower motor	(m ³ /h)	300
Electricity consumption (during heater operation)	Blower motor	(W)	256
Airflow volume (during air conditioner operation)	Blower motor	(m ³ /h)	450
Electricity consumption (during air conditioner operation)	Blower motor	(W)	256
	Magnetic clutch	(W)	46.0: Z6, ZJ 49.7: LF
Magnetic clutch clearance		(mm {in})	0.3-0.5 {0.012-0.019}
Fan type	Blower motor		Sirocco fan
	Type		Triple-pressure
	Operating pressure		

Refrigerant pressure switch	(MPa {kgf/cm ² , psi})	<p>The diagram shows the operating ranges for a refrigerant pressure switch. It is divided into two main sections: 'HI AND LO PRESSURE' and 'MEDIUM PRESSURE'. HI AND LO PRESSURE: - ON: 0.176—0.216 MPa {1.795—2.202, 25.53—31.31} and 2.94—3.34 MPa {30.0—34.0, 427—483}. - OFF: 0.195—0.250 MPa {1.989—2.549, 28.30—36.24} and 0.39—0.79 MPa {3.98—8.05, 57—114}. MEDIUM PRESSURE: - ON: 1.08—1.38 MPa {11.1—14.0, 158—199}. - OFF: 1.39—1.65 MPa {14.2—16.8, 202—238}.</p>	
Thermal protector	Type	Bimetallic (Indirect sensing type)	
	Operating temperature	<p>The diagram shows the operating temperature ranges for a thermal protector. It is divided into two main sections: 'ON' and 'OFF'. ON: 135—145 {275—293}: Z6-VE, ZJ-VE and 145—155 {293—311}: LF-DE. OFF: 113—127 {236—260}: Z6-VE, ZJ-VE and 123—137 {254—278}: LF-DE.</p>	
Sensor	(°C {°F})		
	Solar radiation sensor	Photodiode	
Sensor	Ambient temperature sensor	Thermistor	
	Cabin temperature sensor		
	Evaporator temperature sensor		
Actuator	Air intake actuator	Sliding contact type	
	Air mix actuator	Potentiometer type	
	Airflow mode actuator		