

HVAC SPECIFICATIONS [MANUAL AIR CONDITIONER]

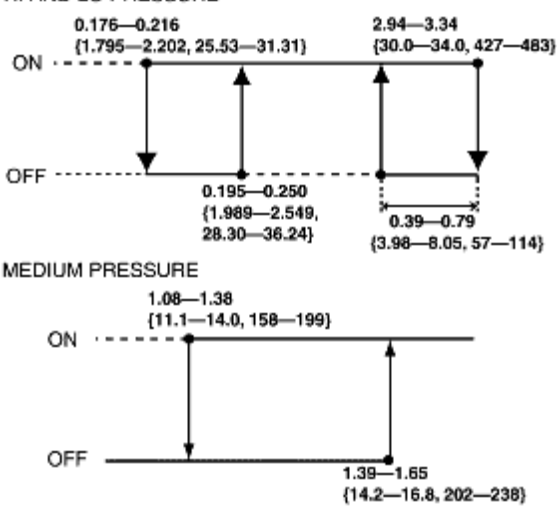
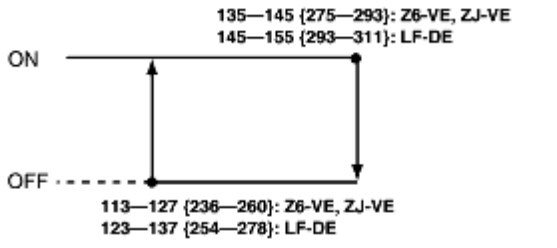
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Basic System

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>HI AND LO PRESSURE</p>  <p>ON ——— 0.176—0.216 {1.795—2.202, 25.53—31.31} 2.94—3.34 {30.0—34.0, 427—483}</p> <p>OFF ——— 0.195—0.250 {1.989—2.549, 28.30—36.24} 0.39—0.79 {3.98—8.05, 57—114}</p> <p>MEDIUM PRESSURE</p> <p>ON ——— 1.08—1.38 {11.1—14.0, 158—199}</p> <p>OFF ——— 1.39—1.65 {14.2—16.8, 202—238}</p>
Thermal protector	Type	Bimetallic (Indirect sensing type)
	Operating temperature	 <p>ON ——— 135—145 {275—293}: Z6-VE, ZJ-VE 145—155 {293—311}: LF-DE</p> <p>OFF ——— 113—127 {236—260}: Z6-VE, ZJ-VE 123—137 {254—278}: LF-DE</p>
Sensor	Evaporator temperature sensor	Thermistor
Actuator	Air intake actuator	Sliding contact type