

Model: AE4450Y-AA1A

Product Description

Type:	Reciprocating Compressors
Application:	HBP - High Back Pressure
Refrigerant:	R-134a/R-513A
Voltage/Frequency:	115V ~ 60Hz
Version:	N/A



Product Specifications

Performance

Condition	Test Voltage	Refrigeration Capacity			Input Power (I) W	(E) Efficiency			EVAP TEMP	Condition	AMBIENT TEMP	RETURN GAS	LIQUID TEMP
		(R) Btu/h	(R) kcal/h	(R) W		(E) Btu/Wh	(E) kcal/Wh	W/W					
ASHRAE (R-134a)	115V ~ 60HZ	5450	1373	1597	732	7.45	1.88	2.18	7.2°C (45°F)	54°C (130°F)	35°C (95°F)	35°C (95°F)	46°C (115°F)
ASHRAE (R-513A)	115V ~ 60HZ	5583	1407	1636	755	7.4	1.86	2.17	7.2°C (45°F)	54°C (130°F)	35°C (95°F)	35°C (95°F)	46°C (115°F)
ARI (R-513A)	115V ~ 60HZ	5298	1335	1552	747	7.1	1.79	2.08	7.2°C (45°F)	54°C (130°F)	35°C (95°F)	18.3°C (65°F)	46°C (115°F)

General

Evaporating Temp. Range:	-15°C to 15°C (5°F to 59°F)
Motor Torque:	High Start Torque (HST)
Compressor Cooling:	Fan

Mechanical

Weight:	10
Weight Unit of Measure:	KG
Displacement (cc):	13.24
Oil Type:	Polyolester
Viscosity (cSt):	32
Oil Charge (cc):	387

Electrical

Voltage Range (50 Hz):	
Voltage Range (60 Hz):	103-127
Locked Rotor Amps (LRA):	42
Rated Load Amps (RLA 50 Hz):	0
Rated Load Amps (RLA 60 Hz):	7.75
Max. Continuous Current (MCC in Amps):	12.68
Motor Resistance (Ohm) - Main:	1.14
Motor Resistance (Ohm) - Start:	3.8
Motor Type:	CSIR
Overload Type:	
Relay Type:	

Agency Approval

CE Listed, SASO Listed, cURus Recognized

Model: AE4450Y-AA1A

Product Description

Type:	Reciprocating Compressors
Application:	HBP - High Back Pressure
Refrigerant:	R-134a/R-513A
Voltage/Frequency:	115V ~ 60Hz
Version:	N/A



Product Specifications

Performance

Condition	Test Voltage	Refrigeration Capacity			Input Power (I) W	(E) Efficiency			EVAP TEMP	Condition	AMBIENT TEMP	RETURN GAS	LIQUID TEMP
		(R) Btu/h	(R) kcal/h	(R) W		(E) Btu/Wh	(E) kcal/Wh	W/W					
ASHRAE (R-134a)	115V ~ 60HZ	5450	1373	1597	732	7.45	1.88	2.18	7.2°C (45°F)	54°C (130°F)	35°C (95°F)	35°C (95°F)	46°C (115°F)
ASHRAE (R-513A)	115V ~ 60HZ	5583	1407	1636	755	7.4	1.86	2.17	7.2°C (45°F)	54°C (130°F)	35°C (95°F)	35°C (95°F)	46°C (115°F)
ARI (R-513A)	115V ~ 60HZ	5298	1335	1552	747	7.1	1.79	2.08	7.2°C (45°F)	54°C (130°F)	35°C (95°F)	18.3°C (65°F)	46°C (115°F)

General

Evaporating Temp. Range:	-15°C to 15°C (5°F to 59°F)
Motor Torque:	High Start Torque (HST)
Compressor Cooling:	Fan

Mechanical

Weight:	10
Weight Unit of Measure:	KG
Displacement (cc):	13.24
Oil Type:	Polyolester
Viscosity (cSt):	32
Oil Charge (cc):	387

Electrical

Voltage Range (50 Hz):	
Voltage Range (60 Hz):	103-127
Locked Rotor Amps (LRA):	42
Rated Load Amps (RLA 50 Hz):	0
Rated Load Amps (RLA 60 Hz):	7.75
Max. Continuous Current (MCC in Amps):	12.68
Motor Resistance (Ohm) - Main:	1.14
Motor Resistance (Ohm) - Start:	3.8
Motor Type:	CSIR
Overload Type:	
Relay Type:	

Agency Approval

CE Listed, SASO Listed, cURus Recognized