

# Technical Datasheet

## Product Specifications

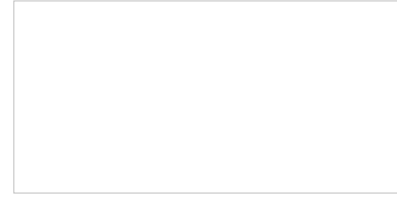
Performance

6/11/2023

Model: AE4430Z-AA1A

### Product Description

**Type:** Reciprocating Compressors  
**Application:** HBP/CBP - High/Commercial Back Pressure  
**Refrigerant:** R-404A/R-407A/R-448A/R-449A/R-452A  
**Voltage/Frequency:** 115V ~ 60Hz  
**Version:** N/A



Condition	Test Voltage	Refrigeration Capacity		Input Power (E) Efficiency				EVAP TEMP	Condition	AMBIENT TEMP	RETURN GAS	LIQUID TEMP	
		(R) Btu/h	(R) kcal/h	(R) W	(I) W	(E) Btu/Wh	(E) kcal/Wh						
ASHRAE (R-407A)	115V ~ 60HZ	3236	816	948	411	7.87	1.98	2.31	7.2?C (45? F)	54?C (130? F)	35?C (95?F)	35?C (95? F)	46?C (115? F)
ASHRAE (R-449A)	115V ~ 60HZ	3128	789	917	409	7.64	1.93	2.24	7.2?C (45? F)	54?C (130? F)	35?C (95?F)	35?C (95? F)	46?C (115? F)
ASHRAE (R-448A)	115V ~ 60HZ	3128	789	917	409	7.64	1.93	2.24	7.2?C (45? F)	54?C (130? F)	35?C (95?F)	35?C (95? F)	46?C (115? F)
ASHRAE (R-452A)	115V ~ 60HZ	3261	822	956	427	7.64	1.93	2.24	7.2?C (45? F)	54?C (130? F)	35?C (95?F)	35?C (95? F)	46?C (115? F)
ASHRAE (R-404A)	115V ~ 60HZ	3450	869	1011	446	7.74	1.95	2.27	7.2?C (45? F)	54?C (130? F)	35?C (95?F)	35?C (95? F)	46?C (115? F)
ASHRAE (R-407A)	115V ~ 60HZ	3236	816	948	411	7.87	1.98	2.31	7.2?C (45? F)	54?C (130? F)	35?C (95?F)	35?C (95? F)	46?C (115? F)
ASHRAE (R-449A)	115V ~ 60HZ	3128	789	917	409	7.64	1.93	2.24	7.2?C (45? F)	54?C (130? F)	35?C (95?F)	35?C (95? F)	46?C (115? F)
ASHRAE (R-448A)	115V ~ 60HZ	3128	789	917	409	7.64	1.93	2.24	7.2?C (45? F)	54?C (130? F)	35?C (95?F)	35?C (95? F)	46?C (115? F)
ASHRAE (R-452A)	115V ~ 60HZ	3261	822	956	427	7.64	1.93	2.24	7.2?C (45? F)	54?C (130? F)	35?C (95?F)	35?C (95? F)	46?C (115? F)
ASHRAE (R-404A)	115V ~ 60HZ	3450	869	1011	446	7.74	1.95	2.27	7.2?C (45? F)	54?C (130? F)	35?C (95?F)	35?C (95? 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):** 5.16  
**Oil Type:** Polyolester  
**Viscosity (cSt):** 32  
**Oil Charge (cc):** 284.9

### Electrical

**Voltage Range (50 Hz):**  
**Voltage Range (60 Hz):** 103-127  
**Locked Rotor Amps (LRA):** 32  
**Rated Load Amps (RLA 50 Hz):** 0  
**Rated Load Amps (RLA 60 Hz):** 5.1  
**Max. Continuous Current (MCC in Amps):** 7.96  
**Motor Resistance (Ohm) - Main:** 1.65  
**Motor Resistance (Ohm) - Start:** 3.44  
**MotorType:** CSIR  
**Overload Type:**  
**Relay Type:**

Agency Approval

