

## Model: AJ5515C-FZ3C



### Product Description

<b>Type:</b>	Reciprocating Compressors
<b>Application:</b>	HBP/AC - Air Conditioning
<b>ProductDescription:</b>	R-407C
<b>Voltage/Frequency:</b>	220-240V ~ 50Hz
<b>Version:</b>	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					
EN12900	220V ~ 50HZ	10726	2702	3142	1382	7.76	1.95	2.27	5°C (41°F)	50°C (122°F)	32°C (90°F)	15°C (59°F)	50°C (122°F)
EN12900	220V ~ 50HZ	10726	2702	3142	1382	7.76	1.95	2.27	5°C (41°F)	50°C (122°F)	32°C (90°F)	15°C (59°F)	50°C (122°F)

### General

<b>Evaporating Temp. Range:</b>	-15°C to 15°C (5°F to 59°F)
<b>Motor Torque:</b>	Low Start Torque (LST)
<b>Compressor Cooling:</b>	Fan

### Mechanical

<b>Weight:</b>	19
<b>Weight Unit of Measure:</b>	KG
<b>Displacement (cc):</b>	25.95
<b>Oil Type:</b>	Polyolester
<b>Viscosity (cSt):</b>	32
<b>Oil Charge (cc):</b>	475

### Electrical

<b>Voltage Range (50 Hz):</b>	198-253
<b>Voltage Range (60 Hz):</b>	
<b>Locked Rotor Amps (LRA):</b>	36
<b>Rated Load Amps (RLA 50 Hz):</b>	7.3
<b>Rated Load Amps (RLA 60 Hz):</b>	0
<b>Max. Continuous Current (MCC in Amps):</b>	12

Motor Resistance (Ohm) - Main:	1.73
Motor Resistance (Ohm) - Start:	8.1
Motor Type:	PSC
Overload Type:	
Relay Type:	

#### Agency Approval

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CE Listed, GOST RUSSIA Listed, GOST UKRAINE Listed



## Performance Data Sheet

### AJ5515C-FZ3C

#### General

Model	AJ5515C-FZ3C	Unit of Measure	Celsius
Condition	Tecumseh Europe(R-407C)	Voltage/Frequency	220V~50HZ
RETURN GAS	10K (18°F) SUPERHEAT	MotorType	PSC

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	5.387584E+03	9.709142E+02	4.806641E+00	
C2	2.361133E+02	-1.689171E+01	-8.383279E-02	
C3	-5.867102E+01	6.987501E+00	3.504927E-02	
C4	2.379205E+00	-1.366811E+00	1.177720E-03	
C5	-2.074906E+00	9.135971E-01	3.241572E-03	
C6	-3.283427E-03	1.496770E-05	-1.824561E-02	
C7	-1.000000E-16	0.000000E+00	-1.000000E-16	
C8	-5.974887E-03	-2.588560E-05	2.227148E-02	
C9	-2.240000E-04	-1.680000E-06	-2.390000E-03	
C10	0.000000E+00	0.000000E+00	-2.000000E-16	

$$\text{Value} = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3$$

Te = Evaporator Temperature

Tc = Condensing Temperature