

Model: AGB2518ZKZ
Product Description

Type:	Reciprocating Compressors
Application:	LBP - Low Back Pressure
ProductDescription:	R-404A
Voltage/Frequency:	220V 3~ 60Hz 220V 3~ 50Hz
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					
EN12900	220V 3~ 50HZ	8468	2134	2481	2886	2.93	.74	.86	-35°C (-31°F)	40°C (104°F)	32°C (90°F)	-25°C (-13°F)	40°C (104°F)

General

Evaporating Temp. Range:	-40°C to -12.2°C (-40°F to 10°F)
Motor Torque:	High Start Torque (HST)
Compressor Cooling:	Fan

Mechanical

Weight:	48
Weight Unit of Measure:	KG
Displacement (cc):	135
Oil Type:	Polyolester
Viscosity (cSt):	32
Oil Charge (cc):	1960

Electrical

Voltage Range (50 Hz):	180-253
Voltage Range (60 Hz):	187-264
Locked Rotor Amps (LRA):	118
Rated Load Amps (RLA 50 Hz):	12
Rated Load Amps (RLA 60 Hz):	12
Max. Continuous Current (MCC in Amps):	0
Motor Resistance (Ohm) - Main:	.6

Motor Resistance (Ohm) - Start: .6
Motor Type: 3PH
Overload Type:
Relay Type:

[Agency Approval](#)

CE Listed, GOST RUSSIA Listed, GOST UKRAINE Listed, SASO Listed, UL Recognized, cURus Recognized



Performance Data Sheet

AGB2518ZKZ

General

Model	AGB2518ZKZ	Unit of Measure	Celsius
Condition	Tecumseh Europe(R-404A)	Voltage/Frequency	220V3~ 50HZ
RETURN GAS		MotorType	3PH

Performance Information

EVAP TEMP (°C)	Condensing Temperature (°C)								
		30	35	40	45	50	55	60	65
-40	Watts (Capacity)	3570	3320	2970	2540	2050	1540	1010	490
	Watts (Power)	3260	2950	2650	2350	2050	1760	1460	1160
	Amps	9.64	9.38	9.09	8.78	8.45	8.14	7.84	7.58
-35	Watts (Capacity)	4250	4020	3700	3300	2850	2380	1900	1440
	Watts (Power)	3300	3080	2870	2670	2460	2260	2050	1840
	Amps	9.84	9.72	9.56	9.38	9.18	9.00	8.83	8.69
-30	Watts (Capacity)	5320	5090	4770	4390	3960	3520	3070	2650
	Watts (Power)	3420	3290	3170	3050	2930	2810	2690	2570
	Amps	10.3	10.3	10.3	10.2	10.2	10.1	10.0	10.0
-25	Watts (Capacity)	6780	6530	6200	5810	5380	4940	4500	4090
	Watts (Power)	3640	3590	3540	3500	3460	3420	3380	3340
	Amps	11.1	11.2	11.3	11.3	11.4	11.4	11.5	11.6
-23.3	Watts (Capacity)	7370	7110	6770	6370	5940	5490	5050	4640
	Watts (Power)	3730	3700	3680	3670	3650	3640	3630	3610
	Amps	11.4	11.6	11.7	11.8	11.9	11.9	12.0	12.2
-20	Watts (Capacity)	8640	8350	7980	7560	7110	6650	6200	5790
	Watts (Power)	3930	3960	3990	4020	4050	4090	4120	4150
	Amps	12.1	12.4	12.5	12.7	12.8	13.0	13.2	13.4
-15	Watts (Capacity)	10900	10500	10100	9640	9150	8650	8170	7740
	Watts (Power)	4320	4410	4510	4600	4710	4810	4900	5000
	Amps	13.5	13.8	14.1	14.3	14.6	14.8	15.1	15.3
-10	Watts (Capacity)	13500	13100	12600	12100	11500	10900	10400	9930
	Watts (Power)	4790	4950	5100	5260	5420	5580	5740	5890
	Amps	15.1	15.5	15.9	16.2	16.5	16.8	17.2	17.5

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	2.150000E+04	4.670000E+03	1.400000E+01	
C2	9.070000E+02	8.430000E+01	3.800000E-01	
C3	4.860000E+01	3.690000E+01	2.420000E-01	
C4	1.030000E+01	2.520000E+00	6.730000E-03	
C5	-6.840000E+00	1.820000E+00	2.880000E-03	
C6	-4.230000E+00	3.160000E-01	-2.940000E-03	
C7	-6.000000E-16	0.000000E+00	0.000000E+00	
C8	-8.230000E-02	-2.580000E-02	-3.660000E-05	
C9	2.360000E-02	-6.420000E-04	-4.110000E-06	
C10	3.010000E-02	-2.170000E-03	1.930000E-05	

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

Te = Evaporator Temperature

Tc = Condensing Temperature