

Model: AGB4561ZKZ
Product Description

Type:	Reciprocating Compressors
Application:	HBP - High 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	46085	11613	13503	5019	9.18	2.31	2.69	5°C (41°F)	45°C (113°F)	32°C (90°F)	15°C (59°F)	45°C (113°F)

General

Evaporating Temp. Range:	-6.7°C to 12.8°C (20°F to 55°F)
Motor Torque:	High Start Torque (HST)
Compressor Cooling:	Fan

Mechanical

Weight:	47
Weight Unit of Measure:	KG
Displacement (cc):	112.5
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):	125
Rated Load Amps (RLA 50 Hz):	17.3
Rated Load Amps (RLA 60 Hz):	20.5
Max. Continuous Current (MCC in Amps):	0
Motor Resistance (Ohm) - Main:	.7

Motor Resistance (Ohm) - Start: .7
Motor Type: 3PH
Overload Type:
Relay Type:

[Agency Approval](#)

CE Listed, GOST RUSSIA Listed, GOST UKRAINE Listed, SASO Listed

Performance Data Sheet

AGB4561ZKZ

General

Model	AGB4561ZKZ	Unit of Measure	Celsius
Condition	EN12900(R-404A)	Voltage/Frequency	220V 3~ 50HZ
RETURN GAS		Motor Type	3PH

Performance Information

EVAP TEMP (°C)	Condensing Temperature (°C)								
		30	35	40	45	50	55	60	65
-6.7	Watts (Capacity)	11800	10600	9510	8410	7310	6210	5110	4010
	Watts (Power)	3560	3680	3810	3930	4060	4190	4320	4440
	Amps	12.5	12.9	13.3	13.7	14.1	14.5	14.9	15.3
-5	Watts (Capacity)	12700	11500	10300	9100	7930	6770	5600	4440
	Watts (Power)	3670	3810	3950	4090	4240	4390	4530	4680
	Amps	12.7	13.1	13.5	14.0	14.4	14.9	15.3	15.8
0	Watts (Capacity)	15700	14300	12800	11400	9950	8550	7170	5790
	Watts (Power)	3970	4160	4360	4560	4760	4960	5160	5360
	Amps	13.3	13.9	14.4	15.0	15.6	16.1	16.7	17.3
5	Watts (Capacity)	19300	17500	15700	14000	12300	10600	8940	7300
	Watts (Power)	4270	4520	4770	5020	5270	5520	5780	6030
	Amps	14.1	14.7	15.4	16.1	16.8	17.5	18.2	18.9
7.2	Watts (Capacity)	21000	19100	17100	15300	13400	11600	9800	8030
	Watts (Power)	4410	4680	4950	5220	5490	5770	6040	6320
	Amps	14.5	15.2	15.9	16.6	17.4	18.1	18.8	19.6
10	Watts (Capacity)	23400	21200	19100	17000	15000	13000	11000	9020
	Watts (Power)	4580	4870	5170	5470	5780	6080	6380	6680
	Amps	15.0	15.8	16.6	17.4	18.1	18.9	19.7	20.5
15	Watts (Capacity)	28100	25500	23000	20500	18000	15700	13300	11000
	Watts (Power)	4880	5230	5570	5920	6270	6620	6970	7310
	Amps	16.1	17.0	17.8	18.7	19.6	20.4	21.3	22.2

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	2.550000E+04	2.890000E+03	9.980000E+00	
C2	1.050000E+03	-3.480000E+00	-6.690000E-03	
C3	-3.550000E+02	3.230000E+01	1.060000E-01	
C4	1.580000E+01	3.510000E-01	5.040000E-03	
C5	-1.420000E+01	2.140000E+00	4.890000E-03	
C6	1.160000E+00	1.490000E-01	1.710000E-04	
C7	6.500000E-02	1.000000E-16	0.000000E+00	
C8	-1.930000E-01	-1.050000E-02	-5.960000E-05	
C9	3.720000E-02	-1.290000E-04	-5.650000E-07	
C10	-5.600000E-03	-9.360000E-04	-1.130000E-06	

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

Te = Evaporator Temperature

T_c = Condensing Temperature