

Model: AGB4568ZKZ (TAGP4568Z)

Product Description

Type: Reciprocating
Application: HBP - High Back Pressure
Refrigerant: R-404A
Voltage/Frequency: 220V 3~ 60Hz 220V 3~ 50Hz
Version: N/A

Product Specifications

Performance

Condition	Test Voltage	Refrigeration Capacity			Input Power	Efficiency			EVAP TEMP	COND TEMP	AMBIENT TEMP	RETURN GAS	LIQUID TEMP
		Btu/h	kcal/h	W		Btu/Wh	kcal/Wh	W/W					
EN12900	220V 3~ 50HZ	53253	13420	15603	5675	9.38	2.36	2.75	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: 48
Weight Unit of Measure: KG
Displacement (cc): 124.4
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): 145
Rated Load Amps (RLA 50 Hz): 21.2
Rated Load Amps (RLA 60 Hz): 23
Max. Continuous Current (MCC in Amps): 0
Motor Resistance (Ohm) - Main: .6
Motor Resistance (Ohm) - Start: .6
Motor Type: 3PH
Overload Type: N/A
Relay Type: N/A

Agency Approval

CE Listed, GOST RUSSIA Listed, GOST UKRAINE Listed



Performance Data Sheet

AGB4568ZKZ

General Information

Model	AGB4568ZKZ	Refrigerant	R-404A
Test Condition	EN12900	Performance Test Voltage	220V 3~ 50HZ
Return Gas	20°C (68°F) 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)	13400	12200	11100	9910	8740	7570	6390	5210
	Watts (Power)	4050	4180	4320	4470	4610	4760	4900	5040
	Amps	15.5	16.0	16.5	17.0	17.5	18.0	18.5	18.9
-5	Watts (Capacity)	14300	13100	11900	10700	9460	8220	6970	5720
	Watts (Power)	4150	4310	4470	4630	4800	4960	5130	5290
	Amps	15.7	16.2	16.8	17.3	17.9	18.4	19.0	19.5
0	Watts (Capacity)	17600	16100	14700	13300	11800	10300	8830	7340
	Watts (Power)	4470	4690	4920	5140	5370	5600	5820	6050
	Amps	16.3	17.0	17.7	18.4	19.1	19.8	20.5	21.2
5	Watts (Capacity)	21200	19600	17900	16200	14400	12700	10900	9180
	Watts (Power)	4830	5110	5390	5670	5960	6250	6530	6820
	Amps	17.1	18.0	18.8	19.7	20.5	21.3	22.2	23.0
7.2	Watts (Capacity)	23000	21200	19400	17600	15700	13900	12000	10100
	Watts (Power)	4990	5300	5610	5920	6230	6540	6850	7160
	Amps	17.6	18.5	19.4	20.3	21.1	22.0	22.9	23.8
10	Watts (Capacity)	25500	23500	21500	19500	17500	15400	13400	11300
	Watts (Power)	5220	5550	5890	6230	6580	6920	7270	7610
	Amps	18.2	19.2	20.1	21.1	22.0	23.0	23.9	24.9
15	Watts (Capacity)	30200	28000	25600	23300	20900	18500	16100	13700
	Watts (Power)	5640	6030	6420	6820	7220	7620	8020	8410
	Amps	19.5	20.5	21.6	22.6	23.7	24.7	25.8	26.8

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	2.548010E+04	3.254313E+03	1.224127E+01	
C2	9.526870E+02	-5.039290E+00	-2.647739E-02	
C3	-2.435450E+02	3.642670E+01	1.301125E-01	

C4	1.403230E+01	9.231734E-01	6.641121E-03	
C5	-8.329070E+00	2.432352E+00	5.830652E-03	
C6	-8.019430E-01	1.705052E-01	2.180140E-04	
C7	5.917720E-02	1.000000E-16	0.000000E+00	
C8	-1.473030E-01	-8.930623E-03	-7.940670E-05	
C9	-1.587320E-02	-1.410000E-04	-6.850000E-07	
C10	3.910920E-03	-1.070000E-03	-1.440000E-06	

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