

AGA4534AXN

General

Model	AGA4534AXN	Unit of Measure	Fahrenheit
Condition	ASHRAE	Voltage/Frequency	230V ~ 60HZ
RETURN GAS	35°C (95°F) RETURN GAS	Motor Type	CSR

Performance Information

EVAP TEMP (°F)	Condensing Temperature (°F)								
		80	90	100	110	120	130	140	150
20	Btu/h	31800	27700	24600	22000	19900	18000	16000	13600
	Watts	2290	2390	2470	2530	2570	2600	2620	2640
	Amps	12.3	12.3	12.3	12.4	12.5	12.6	12.7	13.0
	Lb/h	473	423	388	362	341	322	298	266
25	Btu/h	36000	31700	28300	25500	23000	20800	18300	15600
	Watts	2350	2490	2610	2700	2770	2820	2860	2890
	Amps	12.8	12.9	13.1	13.2	13.3	13.5	13.8	14.1
	Lb/h	536	485	447	419	395	371	343	306
30	Btu/h	40200	35700	32000	28900	26200	23600	20800	17600
	Watts	2400	2580	2730	2860	2950	3030	3090	3130
	Amps	13.3	13.5	13.7	13.9	14.2	14.5	14.8	15.2
	Lb/h	600	547	508	477	450	423	390	349
35	Btu/h	44600	39800	35900	32500	29500	26600	23500	19900
	Watts	2450	2670	2860	3010	3130	3230	3300	3350
	Amps	13.7	14.0	14.3	14.6	15.0	15.3	15.8	16.3
	Lb/h	665	612	571	538	508	478	442	395
40	Btu/h	49200	44200	40000	36400	33100	29900	26400	22500
	Watts	2490	2760	2970	3150	3300	3420	3500	3570
	Amps	14.1	14.5	14.9	15.3	15.7	16.2	16.7	17.4
	Lb/h	734	680	638	604	572	539	499	449
45	Btu/h	54100	48900	44500	40700	37100	33500	29700	25400
	Watts	2540	2840	3090	3300	3470	3600	3700	3770
	Amps	14.4	14.9	15.4	15.9	16.4	17.0	17.7	18.4
	Lb/h	808	754	712	676	643	607	564	510
50	Btu/h	59400	54100	49500	45400	41500	37600	33500	28900
	Watts	2580	2920	3200	3440	3630	3780	3890	3970
	Amps	14.6	15.2	15.8	16.5	17.1	17.8	18.6	19.4
	Lb/h	890	836	793	757	722	684	639	582
55	Btu/h	65400	59800	55000	50700	46500	42400	37900	32900
	Watts	2630	3000	3320	3580	3790	3960	4080	4170
	Amps	14.8	15.5	16.2	17.0	17.8	18.6	19.5	20.4
	Lb/h	980	928	885	848	812	772	725	665

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	1.042490E+05	2.005716E+03	8.390603E+00	1.646455E+03
C2	1.305165E+03	-8.723377E+01	9.512375E-02	1.802668E+01

C3	-2.177437E+03	1.028455E+01	6.352193E-02	-3.643727E+01
C4	-1.114167E+01	-1.578705E-01	-2.537660E-03	-2.417735E-01
C5	-7.537323E-01	1.760238E+00	1.006160E-03	3.704379E-02
C6	1.632826E+01	-1.874838E-01	-8.980298E-04	2.871528E-01
C7	1.380952E-01	2.780959E-03	1.809468E-06	2.402640E-03
C8	1.665682E-02	-2.312990E-03	1.286151E-05	7.751382E-04
C9	-2.736977E-02	-4.793055E-03	1.334713E-07	-6.071516E-04
C10	-4.166618E-02	6.250012E-04	3.125002E-06	-7.534493E-04

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

Model: AGA4534AXN

Product Description

Type:	Reciprocating Compressors
Application:	HBP - High Back Pressure
Refrigerant:	R-12
Voltage/Frequency:	208-230V ~ 60Hz 200-220V ~ 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					
ASHRAE (R-12)	230V ~ 60HZ	33700	8492	9874	3600	9.36	2.36	2.74	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:	-6.7°C to 12.8°C (20°F to 55°F)
Motor Torque:	High Start Torque (HST)
Compressor Cooling:	Fan

Mechanical

Weight:	105
Weight Unit of Measure:	LB
Displacement (cc):	100.671
Oil Type:	Synthetic Alkylate
Viscosity (cSt):	53
Oil Charge (cc):	1955

Electrical

Voltage Range (50 Hz):	180-242
Voltage Range (60 Hz):	187-254
Locked Rotor Amps (LRA):	90
Rated Load Amps (RLA 50 Hz):	0
Rated Load Amps (RLA 60 Hz):	17
Max. Continuous Current (MCC in Amps):	28
Motor Resistance (Ohm) - Main:	.687

Motor Resistance (Ohm) - Start: 2.52
MotorType: CSR

Overload Type:

Relay Type:

Agency Approval

cURus Recognized