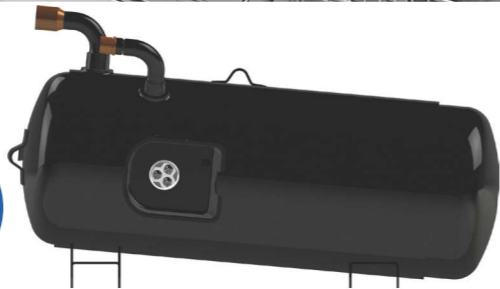




THAILAND ENERGY AWARDS



ADZ



Fixed Speed Scroll for Medium Temp./Low Temp. Application Specifications

AG Fixed speed Scroll Compressor for R-404A/R-448A/R-449A in Medium Temp./Low Temp. Application

Models	Capacity *R404A*			Nominal HP	Input		Locked Rotor Current (A)	Weight (kgs.)	Oil (cc.)	Sight Glass	Sound Pressure @30 cm - dB(A)	Standard
	Watt	Kcal/hr	Btu/hr		Watt	Amps						
a) Electrical 50/60 Hz : 380-415/460 Volt : 3 Phases												
Horizontal Suction												
AG30YCAMTS	1,200	1,032	4,095	1.00	1,130	2.50	40	39.3	1,300	✓	63	TIS
AG33YCAMTS	1,340	1,152	4,572	1.25	1,280	2.75	40	39.3	1,300	✓	64	TIS
AG36YCAMTS	1,462	1,257	4,988	1.50	1,300	2.80	40	39.6	1,300	✓	64	TIS
AG42YCAMTS	1,600	1,376	5,459	1.75	1,610	3.44	48	39.1	1,300	✓	67	TIS
AG52YCAMTS	2,110	1,815	7,200	2.00	1,960	3.95	48	39.1	1,300	✓	68	TIS
AG66YCAMTS	2,730	2,348	9,315	2.50	2,530	5.38	62	39.8	1,700	✓	70	TIS

Low temp. Condition : ET = -35°C, CT = 40°C, Ts = 20°C, SC = 0 K, Capacity at 50 Hz

ADZ Fixed speed Horizontal Scroll Compressor for R-404A in Medium Temp./Low Temp. Application

Models	Capacity			Nominal HP	Input		Locked Rotor Current (A)	Run Cap. (mF/VAC)	Start Cap. (mF/VAC)	Weight (kgs.)	Oil (cc.)	Sound Pressure @30 cm - dB(A)	Standard
	Watt	Kcal/hr	Btu/hr		Watt	Amps							
a) Electrical 50 Hz : 220 - 240 Volt : 1 Phase													
ADZ30VBBMTS	1,143	983	3,900	1 HP	1,160	5.6	52	45 / 400	189-227 / 330	37.8	900	54	TIS&CCC&CE
ADZ33VBBMTS	1,258	1,082	4,292	1.5 HP	1,295	6.6	52	45 / 400	189-227 / 330	38.0	900	55	TIS&CCC&CE
ADZ36VBBMTS	1,372	1,180	4,681	1.75 HP	1,360	7.2	52	45 / 400	189-227 / 330	37.3	900	55	TIS&CCC&CE
ADZ42VBBMTS	1,600	1,376	5,459	2.0 HP	1,550	7.6	65	50 / 420	270-324 / 330	37.3	900	57	TIS&CCC&CE
ADZ52VBBMTS	1,982	1,704	6,763	2.5 HP	1,950	9.3	65	60 / 440	270-324 / 330	38.4	900	57	TIS&CCC&CE

b) Electrical 60 Hz : 208 - 230 Volt : 1 Phase

ADZ30NBBMTS	1,331	1,144	4,541	1HP	1,448	7.5	56	50 / 420	189-227 / 330	36.8	900	57	CE&TIS
ADZ33NBBMTS	1,509	1,297	5,149	1.5 HP	1,569	8.1	56	50 / 420	189-227 / 330	37.0	900	57	CE&TIS
ADZ36NBBMTS	1,646	1,415	5,616	1.75 HP	1,690	8.2	56	50 / 420	270-324 / 330	37.3	900	58	CE&TIS
ADZ42NBBMTS	1,921	1,652	6,554	2.0 HP	1,913	8.6	72	55 / 420	270-324 / 330	36.9	900	58	CE&TIS
ADZ52NBBMTS	2,378	2,045	8,114	2.5 HP	2,390	11.2	72	65 / 440	270-324 / 330	37.1	900	59	CE&TIS

Low temp. Condition : ET = -35°C, CT = 40°C, Ts = 20°C, SC = 0 K



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"Specifications subject to change without notice"

Website : www.siamcompressor.com



SIAM COMPRESSOR INDUSTRY CO., LTD.



Refrigeration Compressors

Scroll Compressor

Model Code Diagram

For Example **A N B 33 F CA M T S**
1 2 3 4 5 6 7 8 9

1. Series name

2. Refrigerant

Symbol	Refrigerants
N	R-410A
P	R-290
D	R-404A
G	R-404A/R-448A/R-449A

3. Special specifications

Symbol	Specifications
B	DC Inverter
K	Inverter Injection
Z	Horizontal Scroll Compressor

4. Stroke volume of compressor (Indicated in cm³) For example, "33" indicates 33 cm³. A two-digit volume is given for the A, B series.

5. Power supply

Symbol	Phase	Rated voltage (v)	Rated Frequency (Hz)
N	1	208-230V	60Hz
V	1	220-240V	50Hz
T	3	200/200-230V	50/60Hz
Y	3	380-415/460V	50/60Hz
X	3	380V	60Hz
F	3	Inverter	Variable

6. Special specifications

Symbols are used here to indicate any special specifications the customer may have ordered.

7. Refrigerant oil code

M : miscible oil (PVE oil)

8. T : Thailand

9. S : Model for refrigeration application

*Contact us regarding other special specifications.



Inverter Scroll for Low Temp. Refrigeration Application Specifications

DGW/DPW

Inverter Scroll for Medium Temp. Refrigeration Application Specifications

AGK

ANB Inverter Scroll Compressor for R-410A in Low Temp. Application

Models	Capacity Range (min ~ max)			Unit Size (HP)	Performance at 60 RPS				Weight (kgs.)	Oil (cc.)	Injection Pipe	Oil Balance Pipe	Sight Glass	Oil Sensor	Sound Pressure @30 cm - dB(A) @Speed 60 RPS [ARI condition]	Standard			
	Watt	Kcal/hr	BTU/hr		Capacity	Input	Watt	BTU/hr									Amps		
a) DC Inverter 400 Volt																			
Horizontal Suction																			
ANB33FUHMITS* (20-100RPS)	800	4,000	688	3.439	2,730	13,648	3.5 HP	2,400	8,189	1,248	2.73	35.0	1,900	✓	x	x	x	66	UL&CE&TIS
ANB42FUHMITS* (20-100RPS)	1,000	5,000	860	4,299	3,412	17,060	4.5 HP	3,000	10,236	1,904	5.29	35.2	1,900	✓	x	x	x	67	UL&CE&TIS
ANB66FUHMITS* (20-100RPS)	1,600	7,900	1,376	6,792	5,459	26,955	10 HP	4,800	16,378	3,797	13.90	39.3	2,300	✓	x	x	x	67	UL&CE&TIS&CB
Vertical Suction																			
ANB78FVLMITS* (15-120RPS)	1,900	9,400	1,634	8,082	6,483	32,073	11 HP	5,600	19,107	5,441	18.58	39.2	1,900	✓	✓	x	x	68	CE&TIS
ANB87FVLMITS* (15-120RPS)	2,100	12,500	1,806	10,748	7,165	42,650	12 HP	6,463	22,052	5,688	20.82	40.1	2,300	✓	✓	x	x	69	UL&CE&TIS

Low temp. Condition : ET = -35°C, CT = 40°C, Ts = 20°C, SC = 0 K

ANB Inverter Scroll Compressor for R-410A in Medium Temp. Application

Models	Capacity Range (min ~ max)			Unit Size (HP)	Performance at 60 RPS				Weight (kgs.)	Oil (cc.)	Injection Pipe	Oil Balance Pipe	Sight Glass	Oil sensor	Sound Pressure @30 cm - dB(A) @Speed 60 RPS [ARI condition]	Standard			
	Watt	Kcal/hr	BTU/hr		Capacity	Input	Watt	BTU/hr									Amps		
a) DC Inverter 400 Volt																			
Horizontal Suction																			
ANB33FKJMITS (20-120RPS)	1,720	11,530	1,479	9,913	5,869	39,340	6 HP	5,700	19,448	2,720	10.90	33.5	1,900	x	x	x	x	68	UL&CE&TIS
ANB42FKJMITS (20-120RPS)	2,290	14,760	1,969	12,691	7,813	50,361	7.5 HP	7,150	24,396	3,400	13.20	33.5	1,900	x	x	x	x	68	UL&CE&TIS
Vertical Suction																			
ANB66FVQMTS (15-120RPS)	3,700	23,000	3,181	19,775	12,624	78,476	12 HP	11,200	38,214	5,300	17.00	38.9	1,900	x	✓	x	x	70	UL&CE&TIS
ANB78FVQMTS (15-120RPS)	4,440	27,290	3,818	23,464	15,149	93,113	14 HP	13,200	45,038	6,300	20.20	38.9	1,900	x	✓	x	x	70	UL&CE&TIS
ANB87FVLMITS (15-120RPS)	4,890	30,850	4,204	26,525	16,685	105,260	16 HP	14,800	50,498	6,950	24.60	39.4	1,900	x	✓	x	x	70	CE&TIS

Medium temp. Condition : ET = -10°C, CT = 45°C, Ts = 20°C, SC = 0 K

AGK Inverter Scroll Compressor for R-404A/R-448A/R-449A/R-407A/R-407C/R-407F/R-407H in Low Temp. Application

Models	Capacity Range *R-404a*			Unit Size (HP)	Performance at 60 RPS				Weight (kgs.)	Oil (cc.)	Injection Pipe	Oil Balance Pipe	Sight Glass	Oil Sensor	Sound Pressure @30 cm - dB(A) @Speed 60 RPS [ARI condition]	Standard			
	Watt	Kcal/hr	BTU/hr		Capacity	Input	Watt	BTU/hr									Amps		
a) DC Inverter 200 Volt																			
Horizontal Suction																			
AGK33FD1MITS* (20-120RPS)	500	3,000	430	2,579	1,706	10,236	3 HP	1,404	4,789	1,530	4.75	35.4	2,300	✓	x	✓	x	66	CE&TIS
AGK42FD1MITS* (20-120RPS)	600	3,800	516	3,267	2,047	12,966	3.5 HP	1,786	6,095	2,004	7.80	35.6	2,300	✓	x	✓	x	67	CE&TIS
AGK66FD1MITS* (20-120RPS)	1,000	6,000	860	5,159	3,412	20,472	6 HP	2,807	9,579	3,109	13.90	39.7	2,300	✓	x	✓	x	67	CE&TIS
Vertical Suction																			
AGK78FD1MITS* (20-120RPS)	1,200	7,100	1,032	6,105	4,094	24,225	8 HP	3,477	11,864	4,130	16.42	41.2	2,300	✓	✓	✓	x	68	CE&TIS
AGK87FD1MITS* (20-120RPS)	1,300	7,900	1,118	6,792	4,436	26,955	9 HP	3,878	13,233	3,748	18.32	40.9	2,300	✓	✓	✓	x	69	CE&TIS
b) DC Inverter 400 Volt																			
Horizontal Suction																			
AGK33FDAMTS* (20-120RPS)	500	3,000	430	2,579	1,706	10,236	3 HP	1,404	4,789	1,530	3.96	35.4	2,300	✓	x	✓	x	67	CE&TIS
AGK42FDAMTS* (20-120RPS)	600	3,800	516	3,267	2,047	12,966	3.5 HP	1,786	6,095	2,004	6.50	35.6	2,300	✓	x	✓	x	68	CE&TIS
AGK66FDBMITS* (20-120RPS)	1,000	6,000	860	5,159	3,412	20,472	6 HP	2,807	9,579	3,109	11.58	39.7	2,300	✓	x	✓	x	68	CE&TIS
Vertical Suction																			
AGK78FDCMITS* (20-120RPS)	1,200	7,100	1,032	6,105	4,094	24,225	8 HP	3,477	11,864	4,130	13.69	41.2	2,300	✓	✓	✓	x	68	CE&TIS
AGK87FDCMITS* (20-120RPS)	1,300	7,900	1,118	6,792	4,436	26,955	9 HP	3,878	13,233	3,748	15.26	40.9	2,300	✓	✓	✓	x	70	CE&TIS
Horizontal Suction																			
AGK33FL1MITS* (20-120RPS)	500	3,000	430	2,579	1,706	10,236	3 HP	1,404	4,789	1,530	3.96	35.4	2,300	✓	x	x	✓	67	CE&TIS
AGK42FL1MITS* (20-120RPS)	600	3,800	516	3,267	2,047	12,966	3.5 HP	1,786	6,095	2,004	6.50	35.6	2,300	✓	x	x	✓	68	CE&TIS
AGK66FL1MITS* (20-120RPS)	1,000	6,000	860	5,159	3,412	20,472	6 HP	2,807	9,579	3,109	11.58	39.7	2,300	✓	x	x	✓	68	CE&TIS
Vertical Suction																			
AGK78FL1MITS* (20-120RPS)	1,200	7,100	1,032	6,105	4,094	24,225	8 HP	3,477	11,864	4,130	13.69	41.2	2,300	✓	✓	x	✓	68	CE&TIS
AGK87FL1MITS* (20-120RPS)	1,300	7,900	1,118	6,792	4,436	26,955	9 HP	3,878	13,233	3,748	15.26	40.9	2,300	✓	✓	x	✓	70	CE&TIS

Low temp. Condition : ET = -35°C, CT = 40°C, Ts = 20°C, SC = 0 K

AGB Inverter Scroll Compressor for R-404A/R-448A/R-449A in Medium Temp. Application

Models	Capacity Range *R404A*			Unit Size (HP)	Performance at 60 RPS				Weight (kgs.)	Oil (cc.)	Injection Pipe	Oil Balance Pipe	Sight Glass	Oil sensor	Sound Pressure @30 cm - dB(A) @Speed 60 RPS [ARI condition]	Standard			
	Watt	Kcal/hr	BTU/hr		Capacity	Input	Watt	BTU/hr									Amps		
a) DC Inverter 200 Volt																			
Horizontal Suction																			
AGB33FABMITS (15-120RPS)	1,088	8,700	935	7,482	3,711	29,686	4 HP	4,350	14,843	2,030	7.20	33.9	1,900	x	✓	✓	x	66	CE&TIS
AGB42FABMITS (15-120RPS)	1,378	11,020	1,185	9,477	4,700	37,602	5 HP	5,510	18,801	2,570	9.00	33.1	1,900	x	✓	✓	x	67	CE&TIS
AGB52FABMITS (15-120RPS)	1,690	13,520	1,453	11,627	5,767	46,132	6 HP	6,760	23,066	3,080	10.80	33.4	1,900	x	✓	✓	x	67	CE&TIS
Vertical Suction																			
AGB66FBBMITS (15-120RPS)	2,193	17,540	1,886	15,084	7,481	59,849	7.5 HP	8,770	29,924	3,980	13.00	39.0	1,900	x	✓	✓	x	67	CE&TIS
AGB78FBBMITS (15-120RPS)	2,600	20,800	2,236	17,888	8,872	70,973	9 HP	10,400	35,486	4,620	15.30	39.0	1,900	x	✓	✓	x	68	CE&TIS
AGB87FBBMITS (15-120RPS)	2,903	23,220	2,496	19,969	9,904	79,230	10 HP	11,610	39,615	5,170	18.50	39.8	2,300	x	✓	✓	x	69	CE&TIS
b) DC Inverter 400 Volt																			
Horizontal Suction																			
AGB33FAAMTS (15-120RPS)	1,088	8,700	935	7,482	3,711	29,686	4 HP	4,350	14,843	2,030	7.20	33.9	1,900	x	✓	✓	x	67	CE&TIS&CMIM
AGB42FAAMTS (15-120RPS)	1,378	11,020	1,185	9,477	4,700	37,602	5 HP	5,510	18,801	2,570	9.00	33.1	1,900	x	✓	✓	x	68	CE&TIS&CMIM
AGB52FAAMTS (15-120RPS)	1,690	13,520	1,453	11,627	5,767	46,132	6 HP	6,760	23,066	3,080	10.80	33.4	1,900	x	✓	✓	x	68	CE&TIS&CMIM
Vertical Suction																			
AGB66FBAAMTS (15-120RPS)	2,193	17,540	1,886	15,084	7,481	59,849	7.5 HP	8,770	29,924	3,980	13.00	39.0	1,900	x	✓	✓	x	68	CE&TIS&CMIM
AGB78FBAAMTS (15-120RPS)	2,600	20,800	2,236	17,888	8,872	70,973	9 HP	10,400	35,486	4,620	15.30	39.0	1,900	x	✓	✓	x	69	CE&TIS&CMIM
AGB87FBAAMTS (15-120RPS)	2,903	23,220	2,496	19,969	9,904	79,230	10 HP	11,610	39,615	5,170	18.50	39.8	2,300	x	✓	✓	x	69	CE&TIS&CMIM

Medium temp. Condition : ET = -10°C, CT = 45°C, Ts = 20°C, SC = 0 K

DGW Inverter Horizontal Scroll Compressor for R-404A/R-448A/R-449A in Low Temp. Application

Models	Capacity Range *R-404a*			Unit Size (HP)	Performance at 60 RPS				Weight (kgs.)	Oil (cc.)	Sound Pressure @30 cm - dB(A) @Speed 60 RPS [ARI condition]	Standard				
	Watt	Kcal/hr	BTU/hr		Capacity	Input	Watt	BTU/hr					Amps			
a) DC Inverter 53 - 240 Volt																
DGW22FAAMTS* (15-100RPS)	265	1,770	228	1,522	904	6,038	1.5 HP	1,062	3,622	805	2.76	20.6	650		66	TIS
DGW28FAAMTS* (15-100RPS)	406	2,223	349	1,911	1,385	7,583	2.0 HP	1,335	4,554	977	2.92	21.2	650		69	TIS
DGW36FAAMTS* (15-100RPS)	428	2,857	368	2,457	1,460	9,750	3.0 HP	1,714	5,849	1,336	3.75	21.4	650		71	TIS

Low temp. Condition : ET = -35°C, CT = 40°C, Ts = 20°C, SC = 0 K

DGW Inverter Horizontal Scroll Compressor for R-404A/R-448A/R-449A in Medium Temp. Application

Models	Capacity Range *R404A*			Unit Size (HP)	Performance at 60 RPS				Weight (kgs.)	Oil (cc.)	Sound Pressure @30 cm - dB(A) @Speed 60 RPS [ARI condition]	Standard				
	Watt	Kcal/hr	BTU/hr		Capacity	Input	Watt	BTU/hr					Amps			
a) DC Inverter 53 - 240 Volt																
DGW22FAAMTS* (15-100RPS)	702	4,683	604	4,027	2,395	15,979	2.5 HP	2,810	9,587	1,589	4.25	20.6	650		66	TIS
DGW28FAAMTS* (15-100RPS)	748	5,961	643	5,125	2,551	20,339	3.0 HP	3,582	12,222	1,630	4.77	21.2	650		69	TIS
DGW36FAAMTS* (15-100RPS)	1,149	7,664														