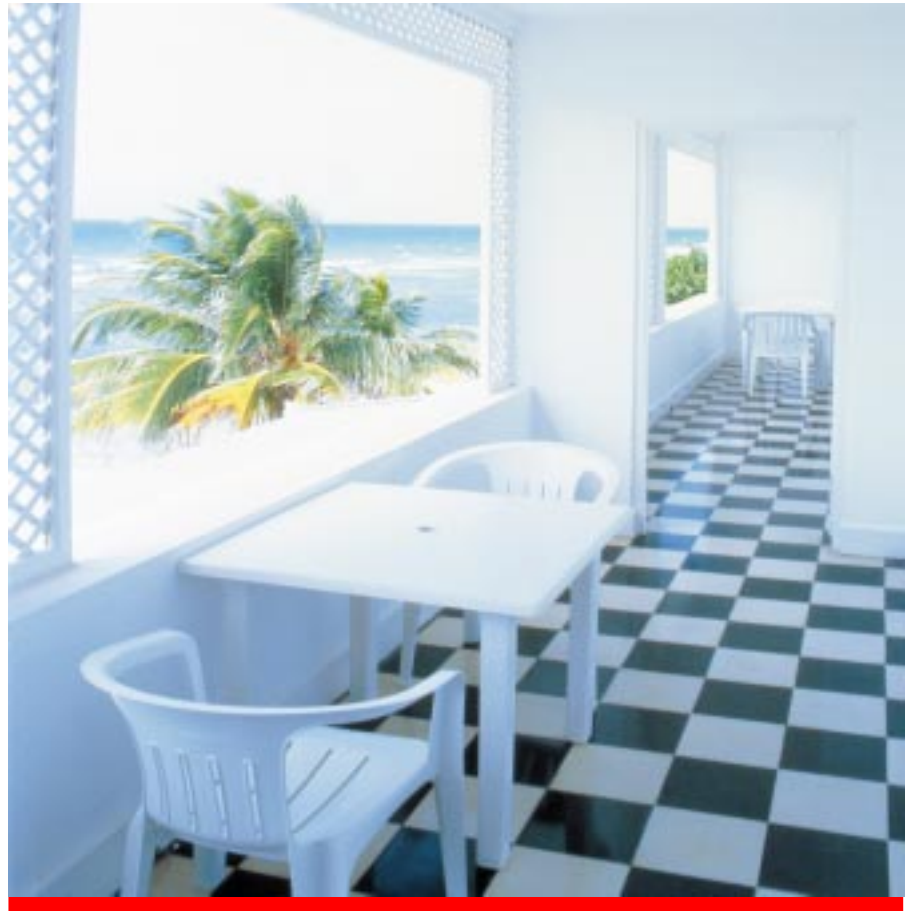




MINI-KOOLMAN

*CGAK Small Scroll Chiller
Air-Cooled Cold Generator®
2.5~5 tons*



Nomenclature

CGAK 052 5 D M R M R M A
1,2,3,4 5,6,7 8 9 10 11 12 13 14 15

Dight 1,2,3 – Type

CGA = Air Cooled Cold Generator

Dight 4 – Model

K = Cooling Only

Dight 5,6,7 – Nominal Capacity

032

042

052

062

Dight 8 – Voltage

1 = 220V/60Hz/1Ph (032, 042, 052 Only)

2 = 220V/60Hz/3Ph (032, 042, 052 Only)

3 = 380V/60Hz/3Ph (032, 042, 052 Only)

5 = 380V/50Hz/3Ph (052, 062 Only)

6 = 400V/50Hz/3Ph (052, 062 Only)

7 = 415V/50Hz/3Ph (052, 062 Only)

8 = 220V/50Hz/1Ph (All)

Dight 9 – Development Sequence

D = Fourth Design

Dight 10 – Controller

M = Adjustable Entering Water Temperature Controller (Standard Option)

Dight 11 – Chilled Water Pump

R = With Pump (Standard Option)

N = Without Pump

Dight 12 – Null for Future Use

M = Standard Option

Dight 13 – Temperature Kit

R = Standard Ambient Temperature Kit (3°~43°C)

Dight 14 – Other Options

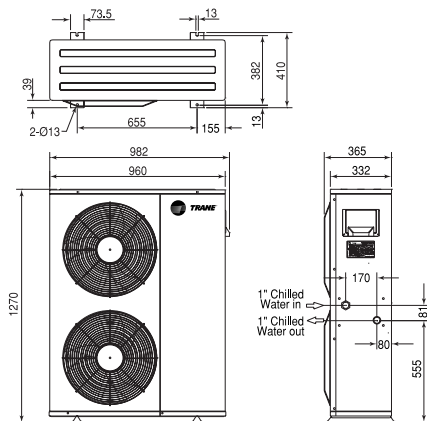
M = No (Standard Option)

C = Blue Fin Condenser

Dight 15 – Service Sequence

A = First

Dimension



North American Group
 The Trane Company
 3600 Pammel Creek Road
 La Crosse, WI 54601-7599

<http://www.trane.com>

An American-Standard Company

Specification

Item	Model	50Hz					60Hz				
		CGAK032	CGAK042	CGAK052*	CGAK062*	CGAK052	CGAK062	CGAK032	CGAK042	CGAK052	CGAK052
Capacity	kW	8.1	9.8	13.8	17.0	12.6	15.2	9.9	12.1	16.9	16.9
Power	220V/1Ph	•	•	•	•			•	•	•	
	220V/3Ph							•	•		•
	380V/3Ph					•	•	•	•		•
	400V/3Ph					•	•				
	415V/3Ph					•	•				
Compressor	Type	Hermetic Scroll									
	Quantity	1	1	1	1	1	1	1	1	1	1
	Power Input (kW)	2.9	3.2	4.1	4.1	3.9	4.8	3.2	3.8	5.1	4.9
	Running Current (A)	14.2	16.0	18.0	19.8	7.4	8.7	16.4	19.4	24.4	15.3
	Starting Current (A)	85.2	96.0	110.0	150.0	44.5	52.2	98.4	116.4	146.4	91.8
Fan	Type	Axial Flow									
	Quantity	2	2	2	2	2	2	2	2	2	2
	Power Input (kW)	0.18 x 2	0.18 x 2	0.18 x 2	0.18 x 2	0.18 x 2	0.18 x 2	0.22 x 2	0.22 x 2	0.22 x 2	0.22 x 2
	Running Current (A)	0.9 x 2	0.9 x 2	0.9 x 2	0.9 x 2	0.9 x 2	0.9 x 2	1.2 x 2	1.2 x 2	1.2 x 2	1.2 x 2
	Speed (RPM)	800	800	800	800	800	800	820	820	820	820
Chiller Pump	Type	Centrifugal									
	Power Input (kW)	0.53	0.53	0.53	0.53	0.48	0.48	0.88	0.88	0.88	0.88
	Running Current (A)	2.6	2.6	2.6	2.6	1.1	1.1	4.4	4.4	4.4	2.7
	E.A.H (mHzO)	20	19	18	16	18	16	32	28	23	23
Evaporator	Water Flow (LPM)	23.3	28.2	36.0	43.7	36.0	43.7	28.3	34.6	48.3	48.3
Protective Device		Hi/Lo Pressure Switch, Anti-Freeze Thermostat, Adjustable Temp. Switch, Anti Phase Reverse Switch (3Ph model only)									
Lubricant	Type	SUNISO 3GS									
	Charge (L)	1.3	1.3	1.7	1.8	1.7	1.8	1.3	1.3	1.7	1.7
Refrigerant	Type	R-22									
	Charge (kg)	3.4	3.4	3.6	4.2	3.6	4.0	3.4	3.6	4.0	4.0
Dimension	Length (mm)	365									
	Width (mm)	960									
	Height (mm)	1270									
Chilled Water Pipe Connection		1" Male									
Operating Weight (kg)		125	135	145	160	145	160	125	135	155	155

*Please contact us for proper application.

Notes :

- Cooling capacity is under the conditions : chilled water inlet/outlet temperature = 12°C/7°C; ambient temperature = 35°C.
- Tolerance of the data as above is ± 5% according with Standard ARI 590.
- All of electrical wiring components shall be complied with local applicable code.
- For safety concerns, 3phase chiller reserved neutral terminal for field connection.
- Each unit equipped with a 1" strainer. Please install it in chilled water piping system at field.
- Other special requirement please contact with your local Trane sales department.



FM : 38631
 ISO 9002 Qualified factory - Trane Taiwan

Literature Order Number	CGA-SLB-2
File Number	CGA-PRC001-EN-0402
Supersedes	CGA-SLB-1
Stocking location	Taipei Taiwan

Since The Trane Company has a policy of continuous product improvement, it reserves the right to change design and specifications without notice.