



30GSF Series

Air Cooled Scroll Chiller

Nominal : 18 - 45 Tons



30GSF SERIES



Air Cooled Scroll Chiller

Features

- Low-noise scroll compressors with Low vibration level
- The compressor assembly is installed on an independent chassis and supported by anti-vibration mountings
- Dynamic suction and discharge piping support, minimizing vibration transmission
- Maintenance-free scroll compressors
- Low operating sound with no intrusive low-frequency noise, creates a better working/living environment.
- Environment sound refrigerant HFC-407C of zero ozone depletion potential.
- Single refrigerant circuit for maximum safety and part loaded operation
- Completed with control panel, unit operation at low different pressure
- Manufactured in factory with ISO9002 Certified

Physical Data

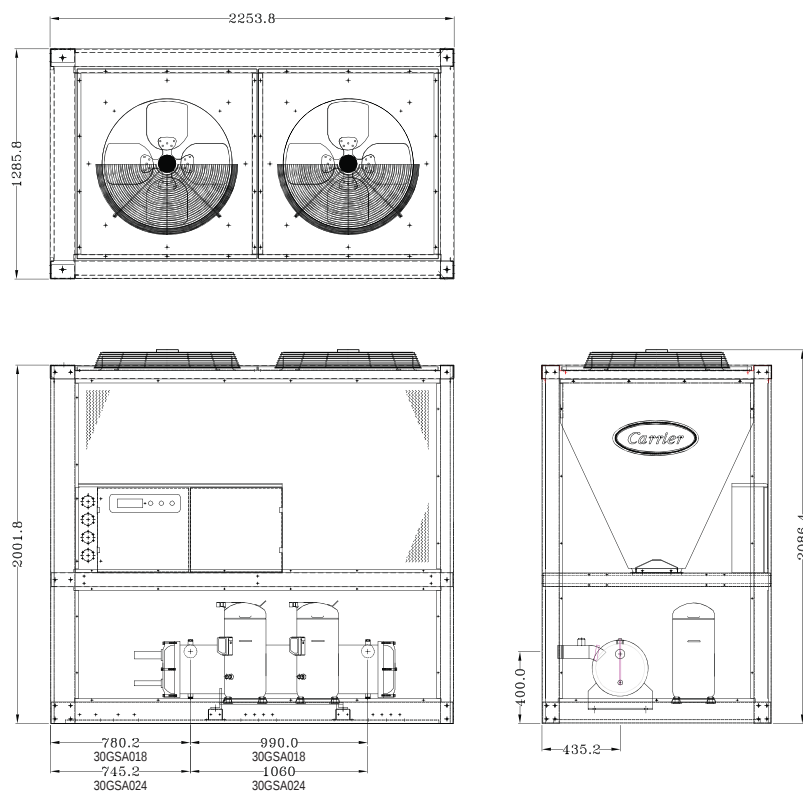
Description			Air Cooled Scroll Chiller Unit				
Model			30GSF018	30GSF024	30GSF030	30GSF036	30GSF048
Nominal Capacity		kW	61.5	78.3	107.3	123.1	158.3
		Btu/Hr	210,000	267,000	366,000	420,000	540,000
Power Input		kW	20.55	26.86	35.06	41.10	53.78
Operating Current		Amp.	42	54	71	83	109
Cooler	Type	Shell and Tube DX Cooler					
	Model		EST030-2-10	EST035-2-10	EST040-2-10	EST060-2-10	EST080-2-10
	Water Flow Rate	GPM	42	53	73	84	108
	Pressure Drop	FT.WG	11.5	14.8	5.8	8.3	8.5
Water Connection	Type	Male Pipe Thread					Nut Flange
	Inlet Pipe	Inch	2-1/2	2-1/2	2-1/2	3.0	4.0
	Outlet Pipe	Inch	2-1/2	2-1/2	2-1/2	3.0	4.0
Compressor	Type	Scroll Compressor					
	Quantity		2	2	4	4	4
Fan Motor	Power Supply	V/Ph/Hz	380/3/50				
	Power Input	W	630		336	630	
	RLA	Amp.	2.21		1.00	2.21	
	Fan Type		Propeller				
	Drive Type		Direct				
	QTY		2	2	4	4	4
	Fan Dimension		28.0" x 4Blade		24.0" x 4Blade	28.0" x 4Blade	
Condenser	Face Area	sq.ft	50.44	50.44	77.76	100.88	100.88
	Density	FPI	18	18	18	18	18
	Row		1.7	2	2	1.7	2
	Air Flow	CFM	21,600	21,520	30,772	43,200	43,040
Refrigerant			R-407C				
Shipping Weight		kg.	1,200	1,340	1,870	2,020	2,170
Refrigerant charging from factory		kg.	18	23	31	35	47
Unit Size	Width	mm.	2,254	2,254	2,045	2,254	2,254
	Height	mm.	2,002	2,002	1,945	2,002	2,002
	Depth	mm.	1,286	1,286	2,050	2,538	2,538

Remark : Rating at

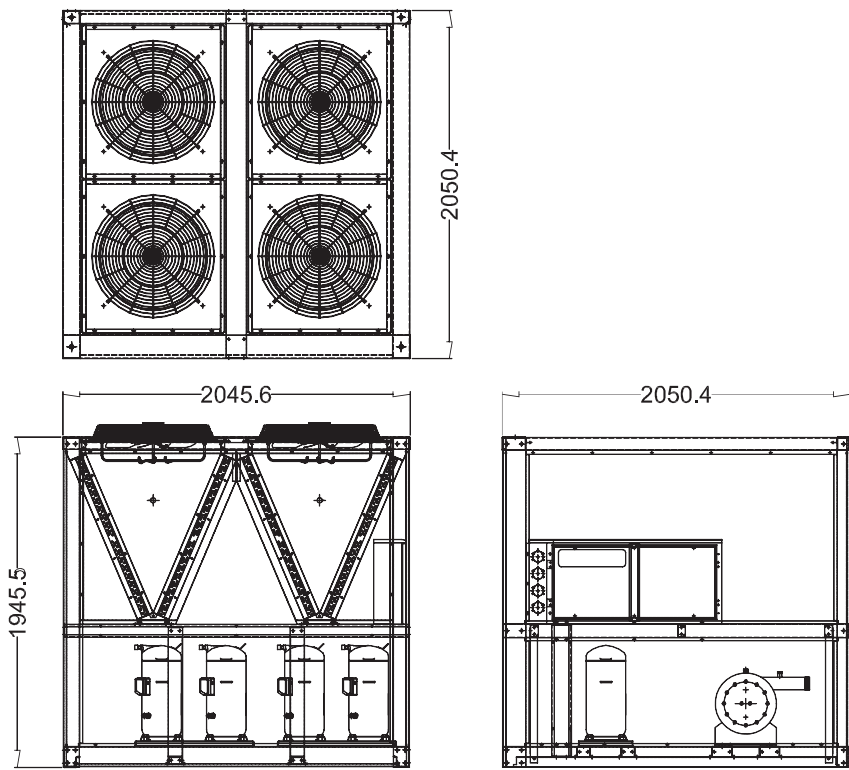
1. Ambient Temperature 95°F
2. Leaving Chilled Water Temperature 45°F

3. Entering Chilled Water Temperature 55°F

Unit dimensions

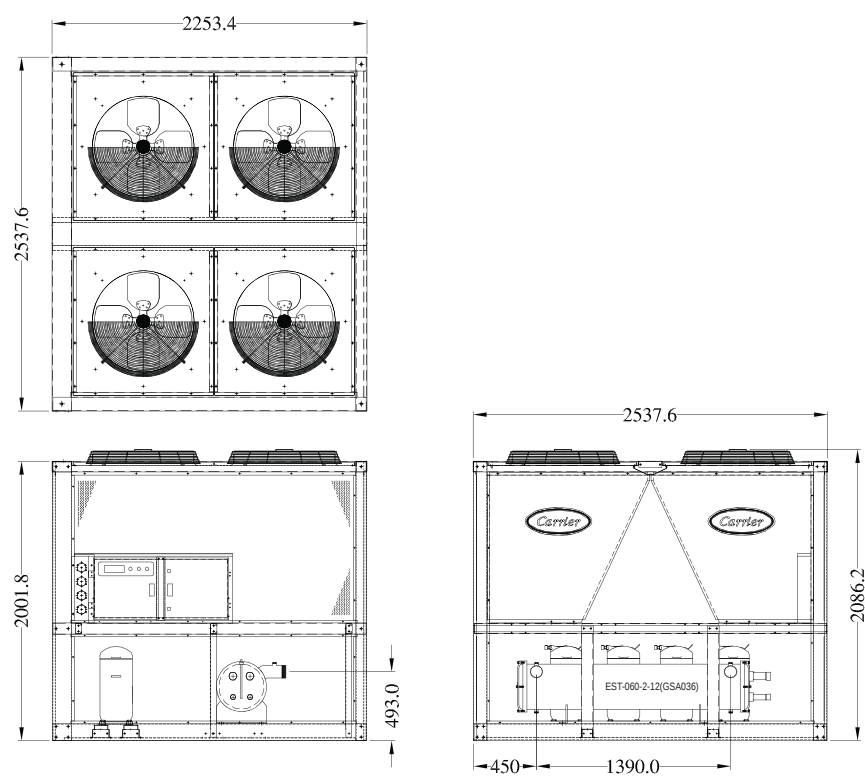


Model : 30GSF018-024

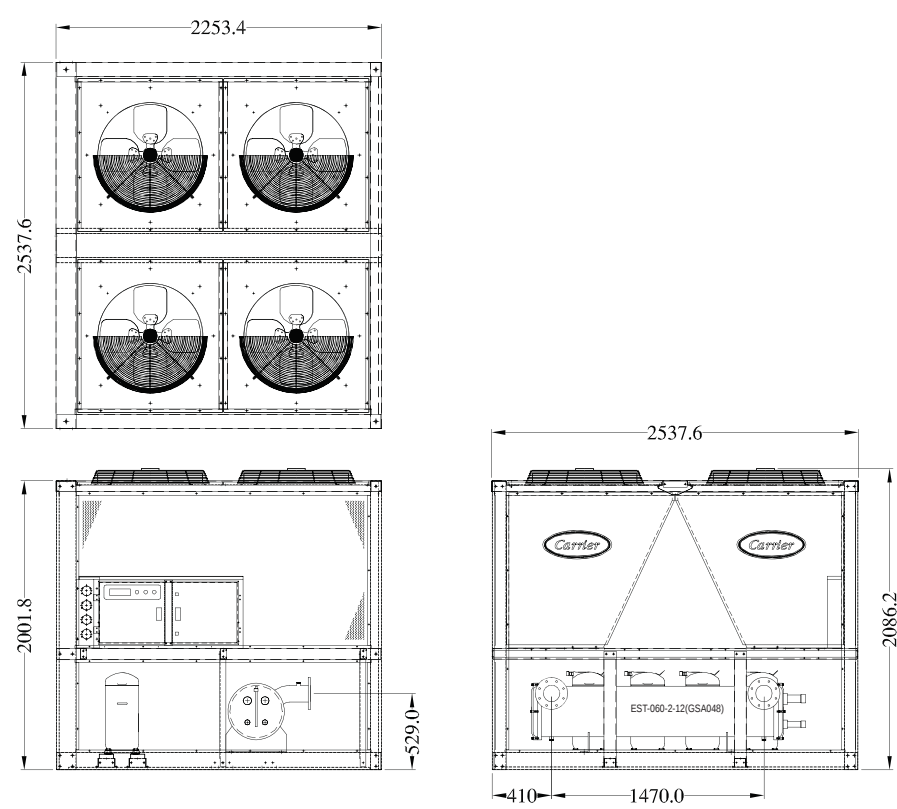


Model : 30GSF030

Unit dimensions



Model : 30GSF036

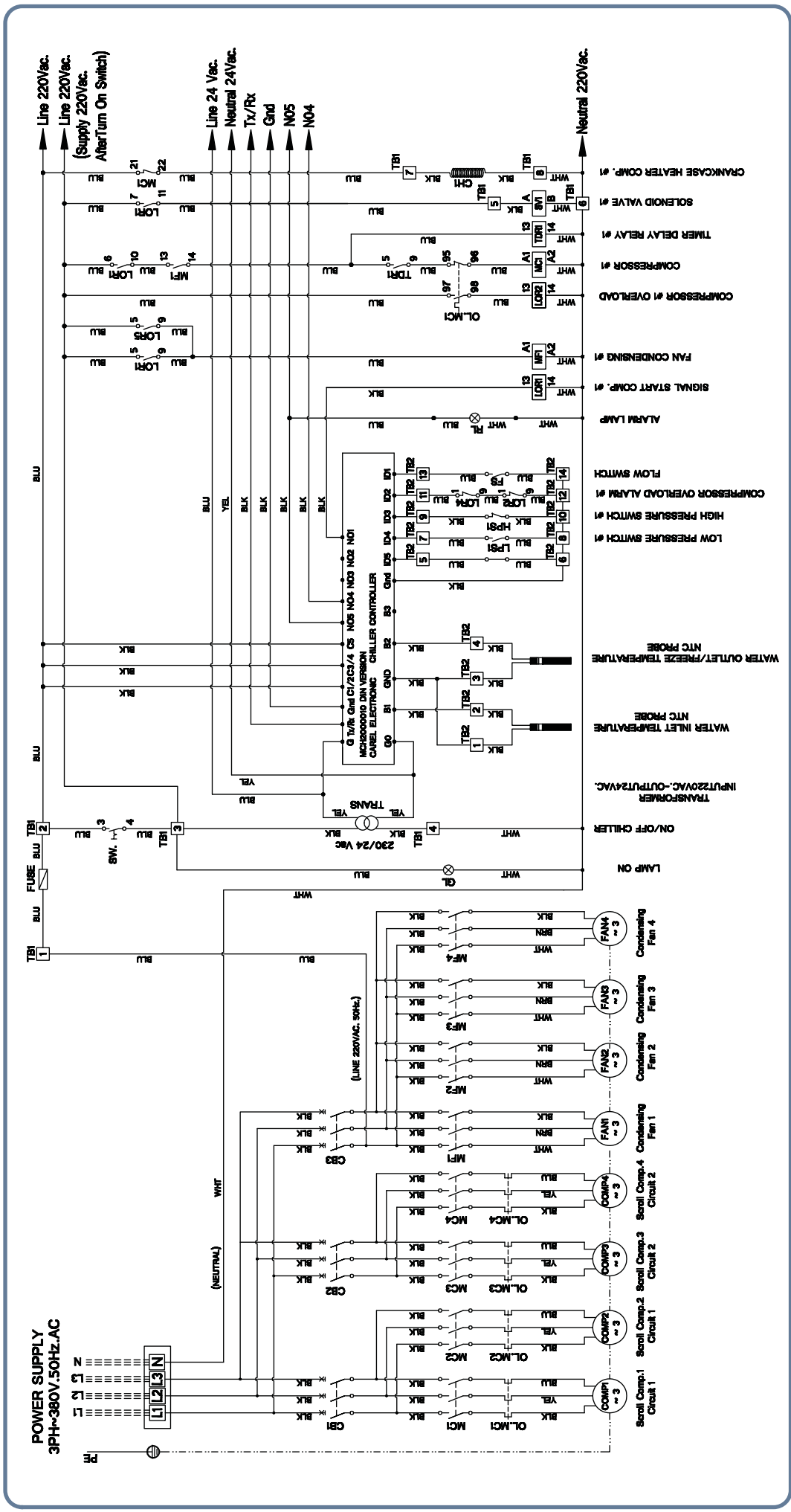


Model : 30GSF048

Electrical wiring diagrams

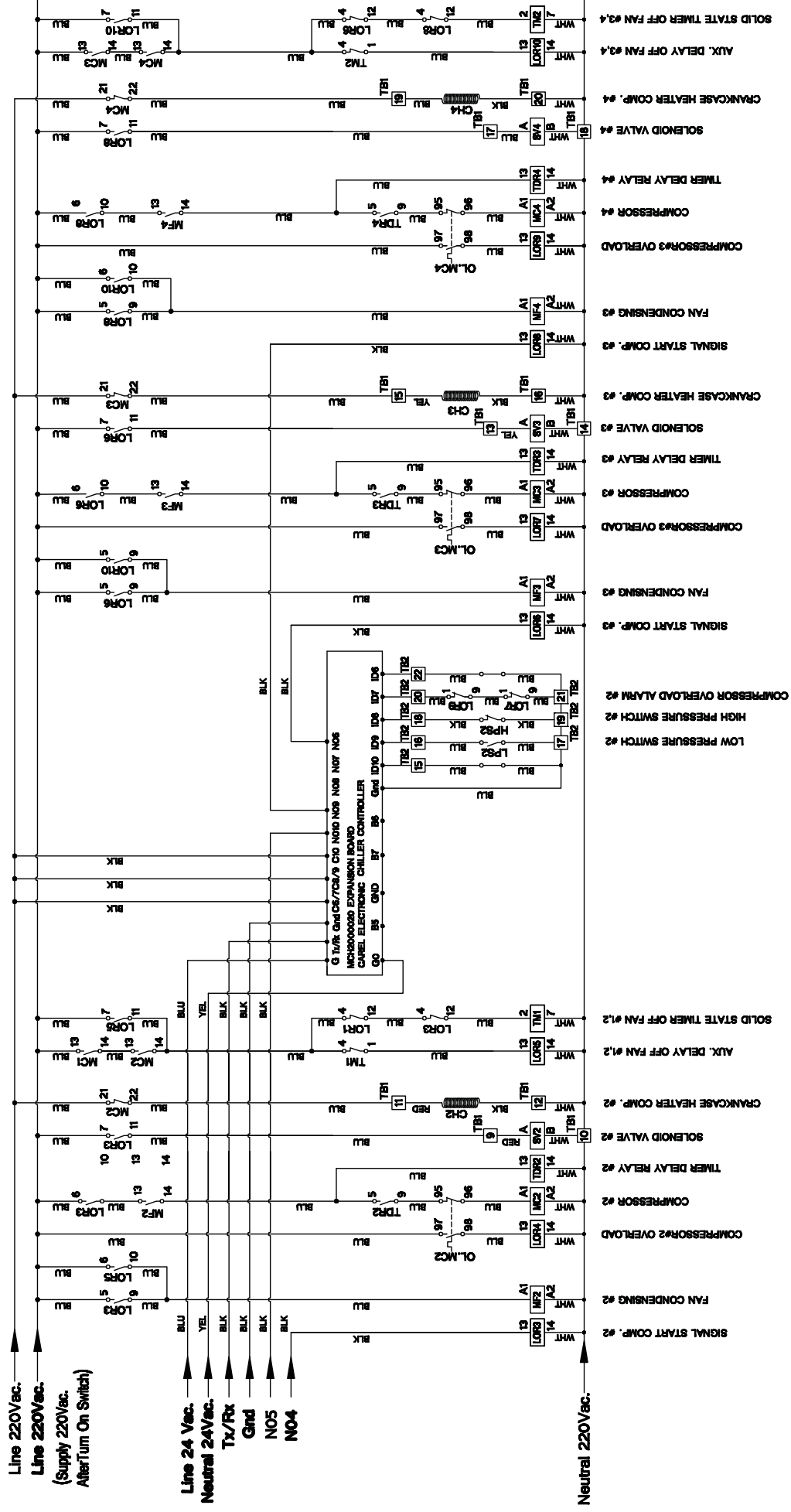


Electrical wiring diagrams



Model : 30GSA030 - 048#1

Electrical wiring diagrams



Model:30GSA030 - 048#2



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