

TECHNICAL DATA

SANYO

FILE NO.

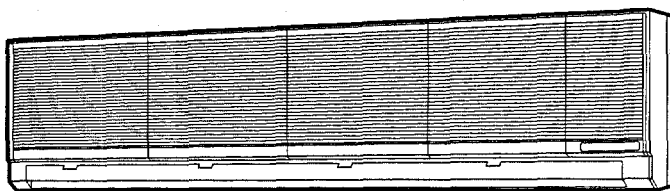
KS3032 / C3032, CL3032

KS3632 / C3632, CL3632

SPLIT SYSTEM AIR CONDITIONER

INDOOR MODEL No.	PRODUCT CODE No.	OUTDOOR MODEL No.	PRODUCT CODE No.
KS3032	854 014 59	C3032	854 014 61
		CL3032	854 014 60
KS3632	854 014 50	C3632	854 014 54
		CL3632	854 014 52

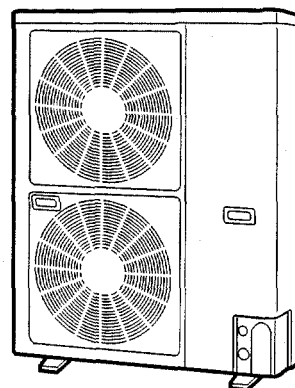
Indoor Unit



KS3032

KS3632

Outdoor Unit



C3032

CL3032

C3632

CL3632

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1. OPERATING RANGE

KS3032, KS3632 / C3032, C3632

Temperature	Indoor Air Intake Temp.	Outdoor Air Intake Temp.
Maximum	95 °F DB / 71 °F WB	115 °F DB
Minimum	67 °F DB / 57 °F WB	67 °F DB

KS3032, KS3632 / CL3032, CL3632

Temperature	Indoor Air Intake Temp.	Outdoor Air Intake Temp.
Maximum	95 °F DB / 71 °F WB	115 °F DB
Minimum	67 °F DB / 57 °F WB	0 °F DB

2. SPECIFICATIONS

(1) Unit Specifications

MODEL No.	Indoor Unit		KS3032	
	Outdoor Unit		C3032	
POWER SOURCE			230 - 208 V / 1 Phase / 60 Hz	
PERFORMANCE			Cooling	
Capacity	BTU / h	30,000	29,000	
	kW	8.8	8.5	
Air circulation (Hi)	cu.ft. / min.	840	760	
Moisture removal (High)	Pints / h	10.0	9.9	
ELECTRICAL RATINGS				
Voltage rating	V	230	208	
Available voltage range	V	187 - 253		
Running amperes*	A	13.0	13.6	
Max. running amperes**	A	15.1	16.1	
Power input	W	2,880	2,770	
Power factor	%	96	98	
S.E.E.R	BTU / Wh	10.4	10.7	
Max. starting amperes	A	79.6	72.5	
Maximum fuse size	A	30		
FEATURES				
Controls		Microprocessor		
Timer		ON / OFF 24-hours & Program		
Fan speed Indoor / Outdoor		3 and Automatic control / 2 (Auto)		
Air deflection	Horizontal / Vertical		Manual / Automatic	
Air filter	Washable, easy access			
Remote controller (Accessory)		RCS - 5PS4U		
Refrigerant control		Capillary tube		
Refrigerant tubing connections		Flare type		
Drain pipe trade size		3 / 4 in. (26.7 mm)		
Compressor		Rotary		
Operation sound	Indoor - Hi / Me / Lo Outdoor - Hi	dB - A dB - A	46 / 42 / 38 56	
REFRIGERANT TUBING				
Limit of tubing length	ft. (m)	165 (50)		
Limit of tubing length at shipment	ft. (m)	50 (15)		
Limit of elevation difference between the two units	ft. (m)	Outdoor unit is higher than indoor unit: 165 (50) Outdoor unit is lower than indoor unit: 100 (30)		
Refrigerant tube outer diameter	Narrow tube Wide tube	in. (mm) in. (mm)	3 / 8 (9.52) 3 / 4 (19.05)	
Refrigerant amount at shipment	lbs. (kg)	R22 : 8.6 (3.9)		
DIMENSIONS & WEIGHT				
Unit dimensions	Height	in. (mm)	14-9/16 (370)	48-5/8 (1,235)
	Width	in. (mm)	59-1/16 (1,500)	37 (940)
	Depth	in. (mm)	9-7/16 (240)	13-3/8 (340)
Package dimensions	Height	in. (mm)	18-6/32 (462)	52-7/32 (1,326)
	Width	in. (mm)	62-9/16 (1,589)	40 (1,016)
	Depth	in. (mm)	11-5/8 (295)	16-12/32 (416)
Net weight	lbs. (kg)	64 (29)	198 (90)	
Shipping weight	lbs. (kg)	82 (37)	223 (101)	
Shipping volume	cu.ft. (m³)	7.7 (0.217)	19.8 (0.56)	

Cooling :

Rating conditions (*) : Indoor air temperature 80 °F DB / 67 °F WB, Outdoor air temperature 95 °F DB / 75 °F WB

Full load conditions (**) : Indoor air temperature 80 °F DB / 67 °F WB, Outdoor air temperature 115 °F DB

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2. SPECIFICATIONS

(1) Unit Specifications

MODEL No.	Indoor Unit		KS3032	
	Outdoor Unit		CL3032	
POWER SOURCE			230 - 208 V / 1 Phase / 60 Hz	
PERFORMANCE			Cooling	
Capacity	BTU / h		30,000	29,000
	kW		8.8	8.5
Air circulation (Hi)	cu.ft. / min.		840	760
Moisture removal (High)	Pints / h		10.0	9.9
ELECTRICAL RATINGS				
Voltage rating	V		230	208
Available voltage range	V		187 - 253	
Running amperes*	A		13.0	13.6
Max. running amperes**	A		15.1	16.1
Power input	W		2,880	2,770
Power factor	%		96	98
S.E.E.R	BTU / Wh		10.4	10.7
Max. starting amperes	A		79.6	72.5
Maximum fuse size	A		30	
FEATURES				
Controls			Microprocessor	
Low ambient control			Built-in 0 °F	
Timer			ON / OFF 24-hours & Program	
Fan speed Indoor / Outdoor			3 and Automatic control / 3 (Auto)	
Air deflection	Horizontal / Vertical		Manual / Automatic	
Air filter			Washable, easy access	
Remote controller (Accessory)			RCS - 5PS4U	
Refrigerant control			Capillary tube	
Refrigerant tubing connections			Flare type	
Drain pipe trade size			3 / 4 in. (26.7 mm)	
Compressor			Rotary	
Operation sound	Indoor - Hi / Me / Lo Outdoor - Hi	dB - A dB - A	46 / 42 / 38 56	
REFRIGERANT TUBING				
Limit of tubing length		ft. (m)	165 (50)	
Limit of tubing length at shipment		ft. (m)	50 (15)	
Limit of elevation difference between the two units		ft. (m)	Outdoor unit is higher than indoor unit: 165 (50) Outdoor unit is lower than indoor unit: 100 (30)	
Refrigerant tube outer diameter	Narrow tube Wide tube	in. (mm) in. (mm)	3 / 8 (9.52) 3 / 4 (19.05)	
Refrigerant amount at shipment		lbs. (kg)	R22 : 8.6 (3.9)	
DIMENSIONS & WEIGHT				
Unit dimensions	Height	in. (mm)	14-9/16 (370)	48-5/8 (1,235)
	Width	in. (mm)	59-1/16 (1,500)	37 (940)
	Depth	in. (mm)	9-7/16 (240)	13-3/8 (340)
Package dimensions	Height	in. (mm)	18-6/32 (462)	52-7/32 (1,326)
	Width	in. (mm)	62-9/16 (1,589)	40 (1,016)
	Depth	in. (mm)	11-5/8 (295)	16-12/32 (416)
Net weight	lbs. (kg)		64 (29)	198 (90)
Shipping weight	lbs. (kg)		82 (37)	223 (101)
Shipping volume	cu.ft. (m³)		7.7 (0.217)	19.8 (0.56)

Cooling :

Rating conditions (*) : Indoor air temperature 80 °F DB / 67 °F WB, Outdoor air temperature 95 °F DB / 75 °F WB

Full load conditions (**) : Indoor air temperature 80 °F DB / 67 °F WB, Outdoor air temperature 115 °F DB

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2. SPECIFICATIONS

(1) Unit Specifications

MODEL No.	Indoor Unit		KS3632	
	Outdoor Unit		C3632	
POWER SOURCE			230 - 208 V / 1 Phase / 60 Hz	
PERFORMANCE			Cooling	
Capacity	BTU / h	34,000	33,000	
	kW	9.96	9.67	
Air circulation (Hi)	cu.ft. / min.	830	750	
Moisture removal (High)	Pints / h	11.1	11.1	
ELECTRICAL RATINGS				
Voltage rating	V	230	208	
Available voltage range	V	187 - 253		
Running amperes*	A	14.9	15.5	
Max. running amperes**	A	17.7	18.9	
Power input	W	3,300	3,110	
Power factor	%	96	96	
S.E.E.R	BTU / Wh	10.8	11.0	
Max. starting amperes	A	97.6	88.6	
Maximum fuse size	A	35		
FEATURES				
Controls		Microprocessor		
Timer		ON / OFF 24-hours & Program		
Fan speed Indoor / Outdoor		3 and Automatic control / 2 (Auto)		
Air deflection	Horizontal / Vertical		Manual / Automatic	
Air filter		Washable, easy access		
Remote controller (Accessory)		RCS - 5PS4U		
Refrigerant control		Capillary tube		
Refrigerant tubing connections		Flare type		
Drain pipe trade size		3 / 4 in. (26.7 mm)		
Compressor		Rotary		
Operation sound	Indoor - Hi / Me / Lo Outdoor - Hi	dB - A dB - A	48 / 44 / 40 56	
REFRIGERANT TUBING				
Limit of tubing length	ft. (m)	165 (50)		
Limit of tubing length at shipment	ft. (m)	50 (15)		
Limit of elevation difference between the two units	ft. (m)	Outdoor unit is higher than indoor unit: 165 (50) Outdoor unit is lower than indoor unit: 100 (30)		
Refrigerant tube outer diameter	Narrow tube	in. (mm)	3 / 8 (9.52)	
	Wide tube	in. (mm)	3 / 4 (19.05)	
Refrigerant amount at shipment	lbs. (kg)	R22 : 9.48 (4.3)		
DIMENSIONS & WEIGHT			Indoor unit Outdoor unit	
Unit dimensions	Height	in. (mm)	14-9/16 (370)	48-5/8 (1,235)
	Width	in. (mm)	59-1/16 (1,500)	37 (940)
	Depth	in. (mm)	9-7/16 (240)	13-3/8 (340)
Package dimensions	Height	in. (mm)	18-6/32 (462)	52-7/32 (1,326)
	Width	in. (mm)	62-9/16 (1,589)	40 (1,016)
	Depth	in. (mm)	11-5/8 (295)	16-12/32 (416)
Net weight	lbs. (kg)	68 (31)	198 (90)	
Shipping weight	lbs. (kg)	86 (39)	223 (101)	
Shipping volume	cu.ft. (m³)	7.7 (0.217)	19.8 (0.56)	

Cooling :

Rating conditions (*) : Indoor air temperature 80 °F DB / 67 °F WB, Outdoor air temperature 95 °F DB / 75 °F WB

Full load conditions (**) : Indoor air temperature 80 °F DB / 67 °F WB, Outdoor air temperature 115 °F DB

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2. SPECIFICATIONS

(1) Unit Specifications

MODEL No.		Indoor Unit		KS3632			
		Outdoor Unit		CL3632			
POWER SOURCE				230 - 208 V / 1 Phase / 60 Hz			
PERFORMANCE				Cooling			
Capacity	BTU / h	34,000		33,000			
	kW	9.96		9.67			
Air circulation (Hi)	cu.ft. / min.	830		750			
Moisture removal (High)	Pints / h	11.1		11.1			
ELECTRICAL RATINGS							
Voltage rating	V	230		208			
Available voltage range	V	187 - 253					
Running amperes*	A	14.9		15.5			
Max. running amperes**	A	17.7		18.9			
Power input	W	3,300		3,110			
Power factor	%	96		96			
S.E.E.R	BTU / Wh	10.8		11.0			
Max. starting amperes	A	97.6		88.6			
Maximum fuse size	A	35					
FEATURES							
Controls		Microprocessor					
Low ambient control		Built-in 0 °F					
Timer		ON / OFF 24-hours & Program					
Fan speed Indoor / Outdoor		3 and Automatic control / 3 (Auto)					
Air deflection	Horizontal / Vertical		Manual / Automatic				
Air filter		Washable, easy access					
Remote controller (Accessory)		RCS - 5PS4U					
Refrigerant control		Capillary tube					
Refrigerant tubing connections		Flare type					
Drain pipe trade size		3 / 4 in. (26.7 mm)					
Compressor		Rotary					
Operation sound	Indoor - Hi / Me / Lo Outdoor - Hi	dB - A dB - A	48 / 44 / 40 56				
REFRIGERANT TUBING							
Limit of tubing length		ft. (m)	165 (50)				
Limit of tubing length at shipment		ft. (m)	50 (15)				
Limit of elevation difference between the two units		ft. (m)	Outdoor unit is higher than indoor unit: 165 (50) Outdoor unit is lower than indoor unit: 100 (30)				
Refrigerant tube outer diameter	Narrow tube Wide tube	in. (mm) in. (mm)	3 / 8 (9.52) 3 / 4 (19.05)				
Refrigerant amount at shipment		lbs. (kg)	R22 : 9.48 (4.3)				
DIMENSIONS & WEIGHT				Indoor unit		Outdoor unit	
Unit dimensions	Height	in. (mm)	14-9/16 (370)		48-5/8 (1,235)		
	Width	in. (mm)	59-1/16 (1,500)		37 (940)		
	Depth	in. (mm)	9-7/16 (240)		13-3/8 (340)		
Package dimensions	Height	in. (mm)	18-6/32 (462)		52-7/32 (1,326)		
	Width	in. (mm)	62-9/16 (1,589)		40 (1,016)		
	Depth	in. (mm)	11-5/8 (295)		16-12/32 (416)		
Net weight		lbs. (kg)	68 (31)		198 (90)		
Shipping weight		lbs. (kg)	86 (39)		223 (101)		
Shipping volume		cu.ft. (m³)	7.7 (0.217)		19.8 (0.56)		

Cooling :

Rating conditions (*) : Indoor air temperature 80 °F DB / 67 °F WB, Outdoor air temperature 95 °F DB / 75 °F WB
Full load conditions (**) : Indoor air temperature 80 °F DB / 67 °F WB, Outdoor air temperature 115 °F DB

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2. SPECIFICATIONS

(2) Major Component Specifications

(A) Indoor Unit

MODEL No.		KS3032	
Source		230 - 208 V / 1 phase / 60 Hz	
Remote controller (Accessory)		RCS - 5PS4U	
Controller P. C. B Ass'y		POW - KS2412BN	
Control circuit fuse		250 V, 3 A	
Fan			
Type		Cross-flow	
Number ... Dia. and length	in. (mm)	1 ... O.D. 4-13/18 (120), L46 (1,170)	
Fan motor			
Model		SFG4T - 41A6P	
Source		230 - 208 V / 1 phase / 60 Hz	
No. of pole ... r.p.m. (230 V, High)	rpm	4 ... 1,260	
Nominal output	W	40	
Coil resistance (Ambient temperature 68 °F)	Ω	WHT - GRY : 175.5, WHT - VLT : 16.9 YEL - PNK : 35.0, VLT - YEL : 11.4	
Safety device		Internal	
Operating temperature	Open °F	248 ± 9	
	Close °F	171 ± 27	
Run capacitor	VAC, μF	440 V, 4.5 μF	
Heat exchanger			
Coil		Aluminum plate fin / Copper tube	
Rows ...		2 ... 12.7	
Face area	ft. ² (m ²)	3.33 (0.309)	
Louver Motor			
Model		M2EA24ZA01	
Rating		208 to 230 V, 60 Hz	
No. of pole ... rpm		8 ... 3	
Output	W	2.5	
Coil resistance (Ambient temperature 68 °F)	kΩ	16.45 ± 8 %	

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2. SPECIFICATIONS

(2) Major Component Specifications

(B) Outdoor Unit

MODEL No.		KS3632	
Source		230 - 208 V / 1 phase / 60 Hz	
Remote controller (Accessory)		RCS - 5PS4U	
Controller P. C. B Ass'y		POW - KS2412BN	
Control circuit fuse		250 V, 3 A	
Fan			
Type		Cross-flow	
Number ... Dia. and length	in. (mm)	1 ... O.D. 4-13/18 (120), L46 (1,170)	
Fan motor			
Model		SFG4T - 51A6P	
Source		230 - 208 V / 1 phase / 60 Hz	
No. of pole ... r.p.m. (230 V, High)	rpm	4 ... 1,329	
Nominal output	W	50	
Coil resistance (Ambient temperature 68 °F)	Ω	WHT - GRY : 118.2 , WHT - VLT : 15.5 YEL - PNK : 31.4 , VLT - YEL : 13.6	
Safety device		Internal	
Operating temperature	Open °F	248 ± 9	
	Close °F	171 ± 27	
Run capacitor	VAC, μF	440 V, 4 μF	
Heat exchanger			
Coil		Aluminum plate fin / Copper tube	
Rows ...		3 ... 12.7	
Face area	ft. ² (m ²)	3.33 (0.309)	
Louver Motor			
Model		M2EA24ZA01	
Rating		208 to 230 V, 60 Hz	
No. of pole ... rpm		8 ... 3	
Output	W	2.5	
Coil resistance (Ambient temperature 68 °F)	kΩ	16.45 ± 8 %	

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2. SPECIFICATIONS

(2) Major Component Specifications

(B) Outdoor Unit

MODEL No.		C3032	
Source		230 - 208 V / 1 phase / 60 Hz	
Compressor		Rotary (Hermetic)	
Model		C - R191H6L	
Source		230 - 208 V / 1 phase / 60 Hz	
Nominal output	W	1,900	
Compressor oil	cc	1,350	
Coil resistance (Ambient temperature 77 °F)	Ω	C - R : 0.697 , C - S : 1.656	
Safety device		Internal type	
Overload relay models		—	
Operating temperature	Open °F	329 ± 9	
	Close °F	203 ± 9	
Operating ampere (at 77 °F)	A	—	
Run capacitor	VAC, μF	400 V, 40 μF	
Refrigerant amount charged at shipment	lbs. (kg)	R22 : 8.6 (3.9)	
High pressure switch		ACB - 1UB11	
Set pressure	OFF kg/cm ²	30 $\pm \frac{2.0}{0.5}$	
	ON kg/cm ²	24 ± 2.0	
Fan		Propeller	
Number...diameter	in. (mm)	2 ... 18-3/32 (460)	
Fan speeds		2 (AUTO)	
Fan motor			
Model		KFC6T - 91D6P × 2	
Source		230 - 208 V / 1 phase / 60 Hz	
No. of pole ... rpm (230 V, High)	rpm	6 ... 879	
Nominal output	W	110 × 2	
Coil resistance (Ambient temperature 68 °F)	Ω	BRW - WHT : 67.14 , VLT - YEL : 11.42 WHT - VLT : 64.85 , YEL - PNK : 10.60	
Safety device			
Operating temperature	Open °F	248 ± 9	
	Close °F	171 ± 27	
Run capacitor	VAC, μF	440 V, 4 μF × 2	
Heat exchanger			
Coil		Aluminum plate fin / Copper tube	
Rows ... Fins per inch		2 ... 12.7	
Face area	ft. ² (m ²)	11.63 (1.08)	

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2. SPECIFICATIONS

(2) Major Component Specifications

(B) Outdoor Unit

MODEL No.		CL3032	
Source		230 - 208 V / 1 phase / 60 Hz	
Controller P.C.B. Ass'y		CR - CL2432 (Microprocessor)	
Control circuit fuse		250 V, 3 A	
Compressor		Rotary (Hermetic)	
Model		C - R191H6L	
Source		230 - 208 V / 1 phase / 60 Hz	
Nominal output	W	1,900	
Compressor oil	cc	1,350	
Coil resistance (Ambient temperature 77 °F)	Ω	C - R : 0.697 , C - S : 1.656	
Safety device		Internal type	
Overload relay models		—	
Operating temperature	Open °F	329 ± 9	
	Close °F	203 ± 9	
Operating ampere (at 77 °F)	A	—	
Run capacitor	VAC, μF	400 V, 40 μF	
Crank case heater	V, W	230 V, 30 W	
Refrigerant amount charged at shipment	lbs. (kg)	R22 : 8.6 (3.9)	
High pressure switch		ACB - 1UB11	
Set pressure	OFF kg/cm ²	30 $\pm$ 2.0 + 0.5	
	ON kg/cm ²	24 ± 2.0	
Fan		Propeller	
Number...diameter	in. (mm)	2 ... 18 - 3/32 (460)	
Fan speeds		3 (AUTO)	
Fan motor		KFC6T - 91D6P × 2	
Source		230 - 208 V / 1 phase / 60 Hz	
No. of pole rpm (230 V, High)		6 ... 879	
Nominal output	W	110 × 2	
Coil resistance (Ambient temperature 68 °F)	Ω	BRN - WHT : 67.14 , VLT - YEL : 11.42 WHT - VLT : 64.85 , YEL - PNK : 10.60	
Safety device		Internal type	
Operating temperature	Open °F	248 ± 9	
	Close °F	171 ± 27	
Run capacitor	VAC, μF	440 V, 4 μF × 2	
Heat exchange		Aluminum plate fin / Copper tube	
Coil		Aluminum plate fin / Copper tube	
Rows Fins per inch		2 ... 12.7	
Face area	ft. ² (m ²)	11.63 (1.08)	

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2. SPECIFICATIONS

(2) Major Component Specifications

(B) Outdoor Unit

MODEL No.		C3632	
Source		230 - 208 V / 1 phase / 60 Hz	
Compressor		Rotary (Hermetic)	
Model		C - R221H6R	
Source		230 - 208 V / 1 phase / 60 Hz	
Nominal output	W	2,200	
Compressor oil	cc	1,500	
Coil resistance (Ambient temperature 77 °F)	Ω	C - R : 0.549 , C - S : 1.525	
Safety device		Internal type	
Overload relay models		—	
Operating temperature	Open °F	320 ± 9	
	Close °F	189 ± 20	
Operating ampere (at 77 °F)	A	—	
Run capacitor	VAC, μF	400 V, 40 μF	
Refrigerant amount charged at shipment	lbs. (kg)	R22 : 9.48 (4.3)	
High pressure switch		ACB - 1UB11	
Set pressure	OFF kg/cm ²	30 ± _{0.5} ^{2.0}	
	ON kg/cm ²	24 ± 2.0	
Fan		Propeller	
Number...diameter	in. (mm)	2 ... 18-3/32 (460)	
Fan speeds		2 (AUTO)	
Fan motor		KFC6T - 91D6P × 2	
Source		230 - 208 V / 1 phase / 60 Hz	
No. of pole ... rpm (230 V, High)	rpm	6 ... 879	
Nominal output	W	110 × 2	
Coil resistance (Ambient temperature 68 °F)	Ω	BRW - WHT : 67.14 , VLT - YEL : 11.42 WHT - VLT : 64.85 , YEL - PNK : 10.60	
Safety device			
Operating temperature	Open °F	248 ± 9	
	Close °F	171 ± 27	
Run capacitor	VAC, μF	440 V, 4 μF × 2	
Heat exchanger			
Coil		Aluminum plate fin / Copper tube	
Rows ... Fins per inch		2 ... 12.7	
Face area	ft. ² (m ²)	11.63 (1.08)	

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2. SPECIFICATIONS

(2) Major Component Specifications

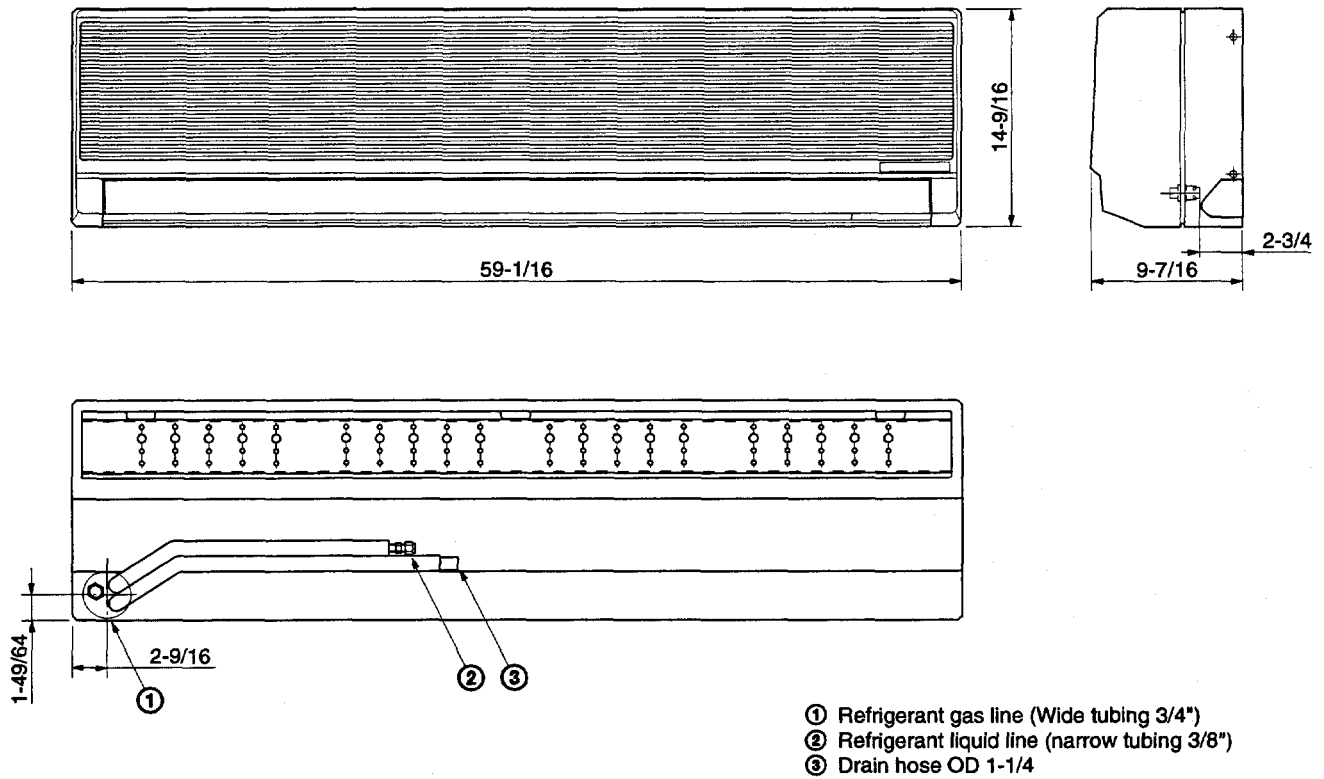
(B) Outdoor Unit

MODEL No.		CL3632	
Source		230 - 208 V / 1 phase / 60 Hz	
Controller P.C.B. Ass'y		CR - CL2432 (Microprocessor)	
Control circuit fuse		250 V, 3 A	
Compressor		Rotary (Hermetic)	
Model		C - R221H6R	
Source		230 - 208 V / 1 phase / 60 Hz	
Nominal output	W	2,200	
Compressor oil	cc	1,500	
Coil resistance (Ambient temperature 77 °F)	Ω	C - R : 0.549 , C - S : 1.525	
Safety device		Internal type	
Overload relay models		—	
Operating temperature	Open °F	320 ± 9	
	Close °F	189 ± 20	
Operating ampere (at 77 °F)	A	—	
Run capacitor	VAC, μF	400 V, 40 μF	
Crank case heater	V, W	230 V, 30 W	
Refrigerant amount charged at shipment	lbs. (kg)	R22 : 9.48 (4.3)	
High pressure switch		ACB - 1UB11	
Set pressure	OFF kg/cm ²	30 ± 2.0 ± 0.5	
	ON kg/cm ²	24 ± 2.0	
Fan		Propeller	
Number...diameter	in. (mm)	2 ... 18 - 3/32 (460)	
Fan speeds		3 (AUTO)	
Fan motor		KFC6T - 91D6P × 2	
Model		KFC6T - 91D6P × 2	
Source		230 - 208 V / 1 phase / 60 Hz	
No. of pole rpm (230 V, High)		6 ... 879	
Nominal output	W	110 × 2	
Coil resistance (Ambient temperature 68 °F)	Ω	BRN - WHT : 67.14 , VLT - YEL : 11.42 WHT - VLT : 64.85 , YEL - PNK : 10.60	
Safety device		Internal type	
Operating temperature	Open °F	248 ± 9	
	Close °F	171 ± 27	
Run capacitor	VAC, μF	440 V, 4 μF × 2	
Heat exchange		Aluminum plate fin / Copper tube	
Coil		Aluminum plate fin / Copper tube	
Rows Fins per Inch		2 ... 12.7	
Face area	ft. ² (m ²)	11.63 (1.08)	

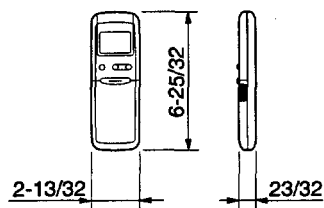
DATA SUBJECT TO CHANGE WITHOUT NOTICE

3. DIMENSIONAL DATA

(1) Indoor Unit: KS3032, KS3632



• Remote controller (Accessory)

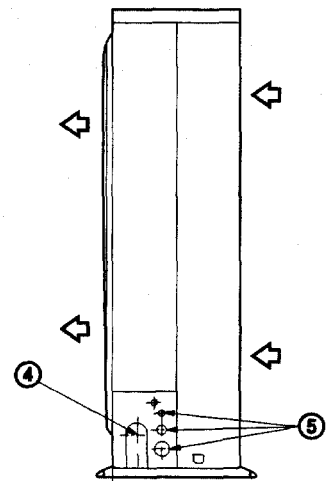
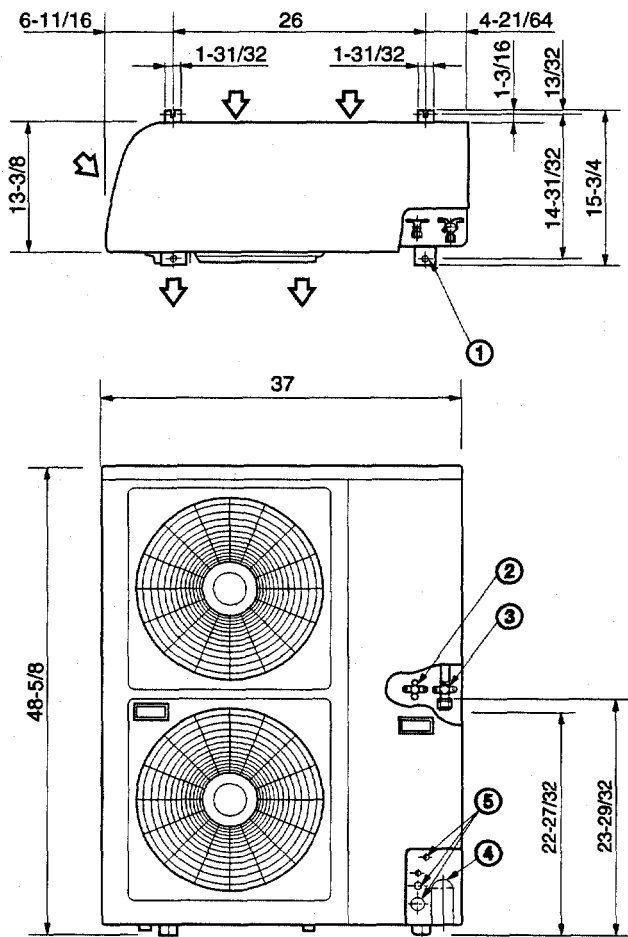


Dimension : Inch

1351_X_S

3. DIMENSIONAL DATA

(2) Outdoor Unit: C3032, CL3032, C3632, CL3632



Dimension : Inch

- ① Hole for anchor bolt (4-ø13)
- ② Refrigerant tube joint (narrow tube)
Flare connection 3/8 in (9.52 mm)
- ③ Refrigerant tube joint (wide tube)
Flare connection 3/4 in (19.05 mm)
- ④ Refrigerant tubing inlet
- ⑤ Power supply inlet

1342_C_5

4. COOLING CAPACITY

① Indoor Unit: KS3032 Outdoor Unit: C3032, CL3032

• 230V / 1 phase / 60Hz

RATING CAPACITY :		30,000 BTU / h		AIR FLOW RATE :		840 CFM	
EVAPORATOR		CONDENSER					
ENT. TEMP. °F (°C)		AMBIENT TEMP. °F (°C)					
WB	DB		75 (23.9)	85 (29.4)	95 (35.0)	105 (40.6)	115 (46.1)
59 (15.0)		TC	30,390	28,920	27,240	25,350	23,250
		CI	1.97	2.15	2.34	2.58	2.83
	72(22.2)	SHC	21,490	20,710	19,830	18,870	17,830
	76(24.4)	SHC	24,020	23,240	22,360	21,400	20,360
	80(26.7)	SHC	26,670	25,880	25,010	24,050	23,010
	84(28.9)	SHC	29,200	28,410	27,240	25,350	23,250
	88(31.1)	SHC	30,390	28,920	27,240	25,350	23,250
63 (17.2)		TC	31,530	30,120	28,620	26,910	25,050
		CI	1.99	2.18	2.38	2.62	2.87
	72(22.2)	SHC	18,300	17,610	16,890	16,090	15,230
	76(24.4)	SHC	20,830	20,140	19,420	18,620	17,760
	80(26.7)	SHC	23,470	22,780	22,070	21,260	20,410
	84(28.9)	SHC	26,000	25,320	24,600	23,790	22,940
	88(31.1)	SHC	28,540	27,850	27,130	26,320	25,050
67 (19.4)		TC	32,730	31,440	# 30,000	28,410	26,670
		CI	2	2.2	2.4	2.65	2.9
	72(22.2)	SHC	15,090	14,510	13,880	13,190	12,460
	76(24.4)	SHC	17,620	17,040	16,410	15,720	14,990
	80(26.7)	SHC	20,260	19,690	19,050	18,370	17,640
	84(28.9)	SHC	22,790	22,220	21,590	20,900	20,170
	88(31.1)	SHC	25,330	24,750	24,120	23,430	22,700
71 (21.7)		TC	34,470	33,270	31,980	30,570	29,010
		CI	2.03	2.22	2.44	2.69	2.94
	72(22.2)	SHC	11,920	11,430	10,910	10,350	9,750
	76(24.4)	SHC	14,450	13,960	13,440	12,880	12,280
	80(26.7)	SHC	17,090	16,600	16,090	15,530	14,930
	84(28.9)	SHC	19,620	19,140	18,620	18,060	17,460
	88(31.1)	SHC	22,160	21,670	21,150	20,590	19,990
75 (23.9)		TC	35,160	34,020	32,820	31,440	29,970
		CI	2.06	2.26	2.47	2.73	2.99
	76(24.4)	SHC	10,970	10,550	10,120	9,630	9,110
	80(26.7)	SHC	13,620	13,200	12,760	12,270	11,760
	84(28.9)	SHC	16,150	15,730	15,300	14,800	14,290
	88(31.1)	SHC	18,680	18,260	17,830	17,340	16,820

TC : Total Cooling Capacity (BTU / h)

SHC : Sensible Heat Capacity (BTU / h)

CI : Compressor Input (kW)

Rating conditions are

: Outdoor Ambient Temp. 95 °F DB

: Indoor Unit Entering Air Temp. 80 °F DB / 67 °F WB

4. COOLING CAPACITY

① Indoor Unit: KS3032 Outdoor Unit: CL3032

• 230V / 1 phase / 60Hz

RATING CAPACITY :			30,000 BTU / H		AIR FLOW RATE :		840 CFM	
EVAPORATOR		CONDENSER						
ENT. TEMP. °F (°C)		AMBIENT TEMP. °F (°C)						
WB	DB		23 (-5)	32 (0)	41 (5)	50 (10)	59 (15)	68 (20)
59 (15.0)		TC	29,440	28,250	27,340	28,730	27,220	28,530
		CI	1.89	1.97	2.06	2.12	2.22	2.12
	72(22.2)	SHC	20,990	20,360	19,880	20,590	19,840	20,510
	76(24.4)	SHC	23,530	22,900	22,420	23,130	22,340	23,010
	80(26.7)	SHC	26,150	25,510	25,080	25,790	25,000	25,670
	84(28.9)	SHC	28,690	28,050	27,340	28,330	27,220	28,210
	88(31.1)	SHC	29,440	28,250	27,340	28,730	27,220	28,530
63 (17.2)		TC	31,070	30,000	28,690	29,840	28,370	29,720
		CI	1.93	2.02	2.13	2.16	2.27	2.17
	72(22.2)	SHC	18,050	17,540	16,900	17,460	16,780	17,420
	76(24.4)	SHC	20,590	20,080	19,440	20,000	19,280	19,960
	80(26.7)	SHC	23,250	22,740	22,100	22,660	21,940	22,580
	84(28.9)	SHC	25,790	25,280	24,640	25,200	24,480	25,120
	88(31.1)	SHC	28,290	27,780	27,140	27,700	27,020	27,660
67 (19.4)		TC	33,210	31,700	30,320	31,350	30,040	31,030
		CI	1.98	2.08	2.19	2.22	2.33	2.22
	72(22.2)	SHC	15,320	14,640	14,010	14,480	13,890	14,320
	76(24.4)	SHC	17,820	17,140	16,550	16,980	16,430	16,860
	80(26.7)	SHC	20,470	19,800	19,210	19,640	19,090	19,520
	84(28.9)	SHC	23,010	22,340	21,700	22,180	21,590	22,020
	88(31.1)	SHC	25,550	24,880	24,240	24,720	24,130	24,560
71 (21.7)		TC	35,160	33,370	31,740	32,660	31,780	32,380
		CI	2.03	2.14	2.26	2.26	2.4	2.28
	72(22.2)	SHC	12,180	11,470	10,830	11,190	10,830	11,070
	76(24.4)	SHC	14,720	14,010	13,330	13,730	13,370	13,610
	80(26.7)	SHC	17,380	16,670	15,990	16,350	15,990	16,230
	84(28.9)	SHC	19,920	19,170	18,530	18,890	18,530	18,770
	88(31.1)	SHC	22,420	21,700	21,070	21,430	21,070	21,310
75 (23.9)		TC	36,860	35,000	33,250	34,360	33,290	33,690
		CI	2.08	2.2	2.32	2.32	2.45	2.33
	76(24.4)	SHC	9,090	8,370	7,740	8,130	7,740	7,900
	80(26.7)	SHC	11,590	10,910	10,280	10,670	10,280	10,440
	84(28.9)	SHC	14,250	13,570	12,940	13,330	12,940	13,090
	88(31.1)	SHC	16,780	16,070	15,440	15,870	15,480	15,590

TC : Total Cooling Capacity (BTU / h)

SHC : Sensible Heat Capacity (BTU / h)

CI : Compressor Input (kW)

Rating conditions are

: Outdoor Ambient Temp. 95 °F DB

: Indoor Unit Entering Air Temp. 80 °F DB / 67 °F WB

4. COOLING CAPACITY

② Indoor Unit: KS3032 Outdoor Unit: C3032, CL3032

• 208V / 1 phase / 60Hz

RATING CAPACITY :		29,000 BTU / h		AIR FLOW RATE :		760 CFM	
EVAPORATOR		CONDENSER					
ENT. TEMP. °F (°C)		AMBIENT TEMP. °F (°C)					
WB	DB		75 (23.9)	85 (29.4)	95 (35.0)	105 (40.6)	115 (46.1)
59 (15.0)		TC	29,380	27,960	26,330	24,510	22,480
		CI	1.91	2.09	2.27	2.53	2.78
	72(22.2)	SHC	20,560	19,790	18,930	17,990	16,970
	76(24.4)	SHC	22,900	22,120	21,260	20,320	19,300
	80(26.7)	SHC	25,330	24,560	23,700	22,760	21,740
	84(28.9)	SHC	27,670	26,890	26,030	24,510	22,480
	88(31.1)	SHC	29,380	27,960	26,330	24,510	22,480
63 (17.2)		TC	30,480	29,120	27,670	26,010	24,220
		CI	1.93	2.12	2.31	2.56	2.82
	72(22.2)	SHC	17,590	16,910	16,200	15,410	14,570
	76(24.4)	SHC	19,920	19,240	18,530	17,740	16,910
	80(26.7)	SHC	22,360	21,680	20,970	20,180	19,340
	84(28.9)	SHC	24,690	24,010	23,300	22,510	21,680
	88(31.1)	SHC	27,020	26,340	25,630	24,840	24,010
67 (19.4)		TC	31,640	30,390	# 29,000	27,460	25,780
		CI	1.95	2.13	2.33	2.59	2.85
	72(22.2)	SHC	14,600	14,020	13,400	12,730	12,010
	76(24.4)	SHC	16,930	16,360	15,730	15,060	14,340
	80(26.7)	SHC	19,360	18,790	18,170	17,500	16,780
	84(28.9)	SHC	21,700	21,130	20,500	19,830	19,110
	88(31.1)	SHC	24,030	23,460	22,840	22,160	21,440
71 (21.7)		TC	33,320	32,160	30,910	29,550	28,040
		CI	1.97	2.16	2.36	2.63	2.89
	72(22.2)	SHC	11,650	11,170	10,650	10,110	9,510
	76(24.4)	SHC	13,980	13,500	12,990	12,440	11,840
	80(26.7)	SHC	16,420	15,940	15,420	14,880	14,280
	84(28.9)	SHC	18,750	18,270	17,760	17,210	16,610
	88(31.1)	SHC	21,080	20,600	20,090	19,540	18,950
75 (23.9)		TC	33,990	32,890	31,730	30,390	28,970
		CI	2	2.19	2.4	2.67	2.94
	76(24.4)	SHC	10,720	10,310	9,890	9,400	8,890
	80(26.7)	SHC	13,160	12,750	12,320	11,840	11,330
	84(28.9)	SHC	15,490	15,080	14,650	14,170	13,660
	88(31.1)	SHC	17,820	17,410	16,990	16,500	16,000

TC : Total Cooling Capacity (BTU / h)

SHC : Sensible Heat Capacity (BTU / h)

CI : Compressor Input (kW)

Rating conditions are

: Outdoor Ambient Temp. 95 °F DB

: Indoor Unit Entering Air Temp. 80 °F DB / 67 °F WB

4. COOLING CAPACITY

② Indoor Unit: KS3032 Outdoor Unit: CL3032

• 208V / 1 phase / 60Hz

RATING CAPACITY :			29,000 BTU / H		AIR FLOW RATE :		760 CFM	
EVAPORATOR		CONDENSER						
ENT. TEMP. °F (°C)		AMBIENT TEMP. °F (°C)						
WB	DB		23 (-5)	32 (0)	41 (5)	50 (10)	59 (15)	68 (20)
59 (15.0)		TC	28,450	27,340	26,470	27,780	26,350	27,580
		CI	1.84	1.91	2	2.06	2.15	2.06
	72(22.2)	SHC	20,040	19,440	19,010	19,680	18,930	19,600
	76(24.4)	SHC	22,380	21,780	21,350	22,020	21,270	21,900
	80(26.7)	SHC	24,840	24,240	23,770	24,480	23,690	24,360
	84(28.9)	SHC	27,140	26,550	26,110	26,780	26,030	26,700
	88(31.1)	SHC	28,450	27,340	26,470	27,780	26,350	27,580
63 (17.2)		TC	30,040	29,010	27,780	28,850	27,460	28,730
		CI	1.88	1.96	2.06	2.1	2.2	2.1
	72(22.2)	SHC	17,380	16,860	16,270	16,780	16,110	16,710
	76(24.4)	SHC	19,680	19,210	18,570	19,130	18,410	19,050
	80(26.7)	SHC	22,140	21,630	21,030	21,550	20,870	21,470
	84(28.9)	SHC	24,480	23,970	23,370	23,890	23,210	23,810
	88(31.1)	SHC	26,780	26,270	25,670	26,230	25,510	26,150
67 (19.4)		TC	32,100	30,670	29,280	30,320	29,050	30,040
		CI	1.92	2.02	2.12	2.15	2.26	2.15
	72(22.2)	SHC	14,800	14,170	13,530	14,010	13,410	13,850
	76(24.4)	SHC	17,140	16,470	15,870	16,310	15,750	16,190
	80(26.7)	SHC	19,560	18,930	18,290	18,770	18,170	18,650
	84(28.9)	SHC	21,900	21,270	20,630	21,110	20,510	20,950
	88(31.1)	SHC	24,240	23,570	22,970	23,410	22,860	23,290
71 (21.7)		TC	34,010	32,300	30,670	31,550	30,710	31,310
		CI	1.97	2.08	2.19	2.2	2.33	2.21
	72(22.2)	SHC	11,940	11,230	10,550	10,910	10,550	10,830
	76(24.4)	SHC	14,280	13,570	12,900	13,250	12,900	13,130
	80(26.7)	SHC	16,710	15,990	15,320	15,670	15,360	15,590
	84(28.9)	SHC	19,050	18,330	17,660	18,010	17,660	17,940
	88(31.1)	SHC	21,390	20,670	20,000	20,360	20,000	20,240
75 (23.9)		TC	35,630	33,850	32,180	33,210	32,180	32,580
		CI	2.02	2.14	2.25	2.26	2.38	2.26
	76(24.4)	SHC	9,010	8,330	7,740	8,090	7,740	7,860
	80(26.7)	SHC	11,350	10,670	10,040	10,440	10,040	10,200
	84(28.9)	SHC	13,770	13,090	12,500	12,860	12,500	12,620
	88(31.1)	SHC	16,110	15,440	14,800	15,200	14,800	14,960

TC : Total Cooling Capacity (BTU / h)

SHC : Sensible Heat Capacity (BTU / h)

CI : Compressor Input (kW)

Rating conditions are

: Outdoor Ambient Temp. 95 °F DB

: Indoor Unit Entering Air Temp. 80 °F DB / 67 °F WB

4. COOLING CAPACITY

③ Indoor Unit: KS3632 Outdoor Unit: C3632, CL3632

• 230V / 1 phase / 60Hz

RATING CAPACITY :		34,000 BTU / h		AIR FLOW RATE :		830 CFM	
EVAPORATOR		CONDENSER					
ENT. TEMP. °F (°C)		AMBIENT TEMP. °F (°C)					
WB	DB		75 (23.9)	85 (29.4)	95 (35.0)	105 (40.6)	115 (46.1)
59 (15.0)		TC	34,440	32,780	30,870	28,730	26,350
		CI	2.31	2.52	2.75	3.04	3.33
	72(22.2)	SHC	24,520	23,640	22,660	21,580	20,420
	76(24.4)	SHC	27,450	26,580	25,600	24,520	23,350
	80(26.7)	SHC	30,520	29,650	28,660	27,590	26,350
	84(28.9)	SHC	33,460	32,580	30,870	28,730	26,350
	88(31.1)	SHC	34,440	32,780	30,870	28,730	26,350
63 (17.2)		TC	35,730	34,140	32,440	30,500	28,900
		CI	2.33	2.56	2.79	3.09	3.39
	72(22.2)	SHC	20,840	20,070	19,260	18,360	17,400
	76(24.4)	SHC	23,780	23,010	22,200	21,300	20,340
	80(26.7)	SHC	26,840	26,080	25,270	24,370	23,410
	84(28.9)	SHC	29,780	29,010	28,200	27,300	26,340
	88(31.1)	SHC	32,720	31,950	31,140	30,240	28,390
67 (19.4)		TC	37,090	35,630	# 34,000	32,200	30,230
		CI	2.35	2.58	2.82	3.12	3.42
	72(22.2)	SHC	17,140	16,500	15,790	15,020	14,190
	76(24.4)	SHC	20,080	19,430	18,720	17,950	17,130
	80(26.7)	SHC	23,150	22,500	21,790	21,020	20,200
	84(28.9)	SHC	26,080	25,440	24,730	23,960	23,130
	88(31.1)	SHC	29,020	28,370	27,660	26,890	26,070
71 (21.7)		TC	39,070	37,710	36,240	34,650	32,880
		CI	2.38	2.61	2.86	3.17	3.47
	72(22.2)	SHC	13,490	12,940	12,360	11,730	11,050
	76(24.4)	SHC	16,420	15,880	15,290	14,670	13,990
	80(26.7)	SHC	19,490	18,940	18,360	17,740	17,060
	84(28.9)	SHC	22,430	21,880	21,290	20,670	19,990
	88(31.1)	SHC	25,360	24,810	24,230	23,610	22,930
75 (23.9)		TC	39,850	38,560	37,200	35,630	33,970
		CI	2.43	2.65	2.9	3.21	3.52
	76(24.4)	SHC	12,420	11,950	11,470	10,920	10,340
	80(26.7)	SHC	15,490	15,020	14,540	13,980	13,410
	84(28.9)	SHC	18,430	17,960	17,470	16,920	16,340
	88(31.1)	SHC	21,360	20,890	20,410	19,850	19,280

TC : Total Cooling Capacity (BTU / h)

SHC : Sensible Heat Capacity (BTU / h)

CI : Compressor Input (kW)

Rating conditions are

: Outdoor Ambient Temp. 95 °F DB

: Indoor Unit Entering Air Temp. 80 °F DB / 67 °F WB

4. COOLING CAPACITY

③ Indoor Unit: KS3632 Outdoor Unit: CL3632

• 230V / 1 phase / 60Hz

RATING CAPACITY :			34,000 BTU / h		AIR FLOW RATE :			830 CFM	
EVAPORATOR		CONDENSER							
ENT. TEMP. °F (°C)		AMBIENT TEMP. °F (°C)							
WB	DB		23 (-5)	32 (0)	41 (5)	50 (10)	59 (15)	68 (20)	
59 (15.0)		TC	33,370	32,020	31,030	32,580	30,870	32,340	
		CI	2.22	2.32	2.42	2.49	2.6	2.5	
	72(22.2)	SHC	23,970	23,250	22,740	23,530	22,660	23,410	
	76(24.4)	SHC	26,900	26,190	25,670	26,470	25,590	26,350	
	80(26.7)	SHC	29,960	29,240	28,730	29,560	28,650	29,400	
	84(28.9)	SHC	32,890	32,020	31,030	32,500	30,870	32,340	
	88(31.1)	SHC	33,370	32,020	31,030	32,580	30,870	32,340	
63 (17.2)		TC	35,240	34,010	32,540	33,850	32,180	33,690	
		CI	2.27	2.38	2.5	2.54	2.66	2.55	
	72(22.2)	SHC	20,590	20,000	19,320	19,920	19,130	19,840	
	76(24.4)	SHC	23,530	22,940	22,260	22,860	22,060	22,780	
	80(26.7)	SHC	26,590	26,030	25,320	25,950	25,160	25,870	
	84(28.9)	SHC	29,520	28,930	28,250	28,890	28,090	28,810	
	88(31.1)	SHC	32,460	31,860	31,190	31,820	31,030	31,740	
67 (19.4)		TC	37,660	35,950	34,360	35,550	34,050	35,200	
		CI	2.33	2.45	2.57	2.6	2.74	2.6	
	72(22.2)	SHC	17,380	16,630	15,950	16,470	15,790	16,310	
	76(24.4)	SHC	20,320	19,560	18,890	19,400	18,730	19,240	
	80(26.7)	SHC	23,410	22,660	21,940	22,460	21,820	22,300	
	84(28.9)	SHC	26,350	25,590	24,880	25,400	24,760	25,240	
	88(31.1)	SHC	29,280	28,530	27,820	28,330	27,700	28,170	
71 (21.7)		TC	39,840	37,850	35,990	36,980	36,030	36,740	
		CI	2.38	2.52	2.65	2.66	2.81	2.68	
	72(22.2)	SHC	13,810	13,020	12,260	12,660	12,260	12,540	
	76(24.4)	SHC	16,740	15,950	15,200	15,590	15,200	15,480	
	80(26.7)	SHC	19,800	19,010	18,250	18,650	18,290	18,570	
	84(28.9)	SHC	22,740	21,940	21,190	21,590	21,230	21,510	
	88(31.1)	SHC	25,670	24,880	24,130	24,520	24,170	24,440	
75 (23.9)		TC	41,780	39,680	37,700	38,930	37,740	38,170	
		CI	2.45	2.59	2.72	2.73	2.88	2.74	
	76(24.4)	SHC	10,200	9,440	8,730	9,170	8,730	8,890	
	80(26.7)	SHC	13,130	12,380	11,630	12,100	11,670	11,820	
	84(28.9)	SHC	16,190	15,440	14,720	15,160	14,720	14,880	
	88(31.1)	SHC	19,130	18,370	17,660	18,090	17,660	17,820	

TC : Total Cooling Capacity (BTU / h)

SHC : Sensible Heat Capacity (BTU / h)

CI : Compressor Input (kW)

Rating conditions are

: Outdoor Ambient Temp. 95 °F DB

: Indoor Unit Entering Air Temp. 80 °F DB / 67 °F WB

4. COOLING CAPACITY

④ Indoor Unit: KS3632 Outdoor Unit: C3632, CL3632

• 208V / 1 phase / 60Hz

RATING CAPACITY :		33,000 BTU / h		AIR FLOW RATE :		750 CFM	
EVAPORATOR		CONDENSER					
ENT. TEMP. °F (°C)		AMBIENT TEMP. °F (°C)					
WB	DB		75 (23.9)	85 (29.4)	95 (35.0)	105 (40.6)	115 (46.1)
59 (15.0)		TC	33,430	31,810	29,960	27,890	25,580
		CI	2.19	2.39	2.6	2.95	3.31
	72(22.2)	SHC	23,480	22,610	21,630	20,570	19,410
	76(24.4)	SHC	26,170	25,290	24,320	23,250	22,100
	80(26.7)	SHC	28,980	28,100	27,120	26,060	24,910
	84(28.9)	SHC	31,660	30,790	29,810	27,890	25,580
	88(31.1)	SHC	33,430	31,810	29,960	27,890	25,580
63 (17.2)		TC	34,680	33,130	31,480	29,600	27,560
		CI	2.21	2.42	2.64	3	3.36
	72(22.2)	SHC	20,070	19,300	18,500	17,600	16,660
	76(24.4)	SHC	22,750	21,980	21,180	20,290	19,340
	80(26.7)	SHC	25,560	24,790	23,990	23,100	22,150
	84(28.9)	SHC	28,250	27,480	26,680	25,780	24,840
	88(31.1)	SHC	30,930	30,160	29,360	28,470	27,520
67 (19.4)		TC	36,000	34,580	# 33,000	31,250	29,340
		CI	2.23	2.44	2.67	3.03	3.39
	72(22.2)	SHC	16,630	15,990	15,290	14,520	13,710
	76(24.4)	SHC	19,320	18,680	17,970	17,210	16,390
	80(26.7)	SHC	22,130	21,480	20,780	20,020	19,200
	84(28.9)	SHC	24,810	24,170	23,470	22,700	21,890
	88(31.1)	SHC	27,500	26,850	26,150	25,390	24,570
71 (21.7)		TC	37,920	36,600	35,180	33,630	31,910
		CI	2.25	2.47	2.71	3.08	3.44
	72(22.2)	SHC	13,250	12,710	12,130	11,510	10,840
	76(24.4)	SHC	15,940	15,390	14,820	14,200	13,520
	80(26.7)	SHC	18,750	18,200	17,620	17,000	16,330
	84(28.9)	SHC	21,430	20,890	20,310	19,690	19,010
	88(31.1)	SHC	24,120	23,570	22,990	22,370	21,700
75 (23.9)		TC	38,680	37,420	36,100	34,580	32,970
		CI	2.3	2.51	2.75	3.12	3.49
	76(24.4)	SHC	12,210	11,740	11,260	10,710	10,140
	80(26.7)	SHC	15,010	14,550	14,060	13,520	12,950
	84(28.9)	SHC	17,700	17,230	16,750	16,200	15,630
	88(31.1)	SHC	20,380	19,920	19,430	18,890	18,320

TC : Total Cooling Capacity (BTU / h)

SHC : Sensible Heat Capacity (BTU / h)

CI : Compressor Input (kW)

Rating conditions are

: Outdoor Ambient Temp. 95 °F DB

: Indoor Unit Entering Air Temp. 80 °F DB / 67 °F WB

4. COOLING CAPACITY

④ Indoor Unit: KS3632 Outdoor Unit: CL3632

• 208V / 1 phase / 60Hz

RATING CAPACITY :			33,000 BTU / h		AIR FLOW RATE :		750 CFM	
EVAPORATOR		CONDENSER						
ENT. TEMP. °F (°C)		AMBIENT TEMP. °F (°C)						
WB	DB		23 (-5)	32 (0)	41 (5)	50 (10)	59 (15)	68 (20)
59 (15.0)		TC	32,380	31,110	30,120	31,620	29,960	31,390
		CI	2.11	2.19	2.29	2.35	2.46	2.36
	72(22.2)	SHC	22,900	22,220	21,700	22,500	21,630	22,380
	76(24.4)	SHC	25,590	24,920	24,400	25,200	24,320	25,080
	80(26.7)	SHC	28,410	27,740	27,220	28,010	27,140	27,900
	84(28.9)	SHC	31,110	30,390	29,880	30,670	29,800	30,550
	88(31.1)	SHC	32,380	31,110	30,120	31,620	29,960	31,390
63 (17.2)		TC	34,200	33,010	31,590	32,860	31,230	32,740
		CI	2.15	2.25	2.37	2.4	2.52	2.41
	72(22.2)	SHC	19,840	19,240	18,530	19,170	18,370	19,130
	76(24.4)	SHC	22,250	21,940	21,230	21,860	21,070	21,780
	80(26.7)	SHC	25,320	24,720	24,050	24,640	23,890	24,600
	84(28.9)	SHC	28,010	27,420	26,740	27,340	26,550	27,300
	88(31.1)	SHC	30,710	30,120	29,400	30,040	29,240	29,960
67 (19.4)		TC	36,550	34,880	33,330	34,480	33,050	34,160
		CI	2.2	2.32	2.44	2.46	2.59	2.46
	72(22.2)	SHC	16,900	16,110	15,440	15,950	15,320	15,790
	76(24.4)	SHC	19,560	18,810	18,130	18,650	18,010	18,490
	80(26.7)	SHC	22,380	21,630	20,910	21,430	20,790	21,310
	84(28.9)	SHC	25,080	24,280	23,610	24,130	23,490	23,970
	88(31.1)	SHC	27,740	26,980	26,310	26,820	26,190	26,660
71 (21.7)		TC	38,690	36,740	34,920	35,910	34,960	35,670
		CI	2.26	2.38	2.51	2.52	2.66	2.53
	72(22.2)	SHC	13,570	12,780	12,020	12,420	12,020	12,340
	76(24.4)	SHC	16,270	15,440	14,720	15,120	14,720	15,000
	80(26.7)	SHC	19,090	18,250	17,500	17,940	17,540	17,820
	84(28.9)	SHC	21,740	20,950	20,200	20,590	20,240	20,510
	88(31.1)	SHC	24,440	23,650	22,900	23,290	22,900	23,210
75 (23.9)		TC	40,590	38,530	36,620	37,820	36,660	37,060
		CI	2.32	2.45	2.58	2.58	2.73	2.59
	76(24.4)	SHC	10,240	9,480	8,770	9,210	8,770	8,930
	80(26.7)	SHC	12,940	12,140	11,430	11,900	11,470	11,630
	84(28.9)	SHC	15,750	14,960	14,250	14,680	14,280	14,400
	88(31.1)	SHC	18,410	17,660	16,940	17,380	16,940	17,100

TC : Total Cooling Capacity (BTU / h)

SHC : Sensible Heat Capacity (BTU / h)

CI : Compressor Input (kW)

Rating conditions are

: Outdoor Ambient Temp. 95 °F DB

: Indoor Unit Entering Air Temp. 80 °F DB / 67 °F WB

5. PERFORMANCE CHARTS

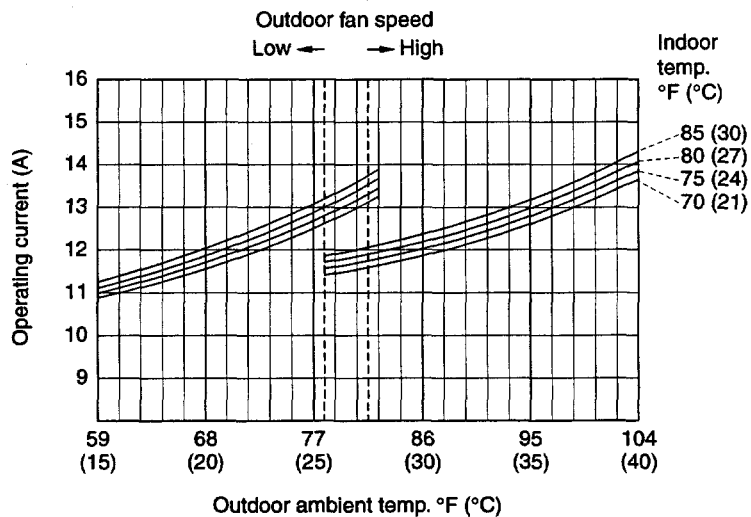
(1) Operating Current

① Indoor Unit: KS3032

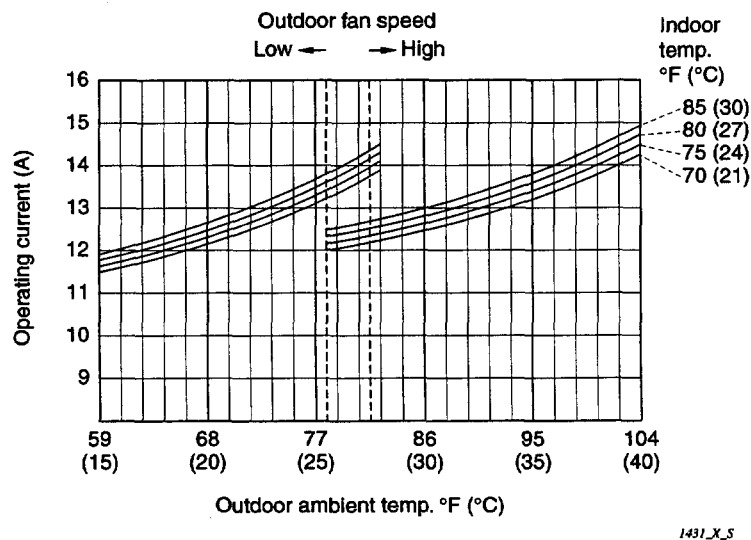
Outdoor Unit: C3032

Operating current characteristics versus outdoor ambient temperature and indoor temperature.
(Indoor relative humidity: 50%, Indoor fan speed: High)

230V



208V



5. PERFORMANCE CHARTS

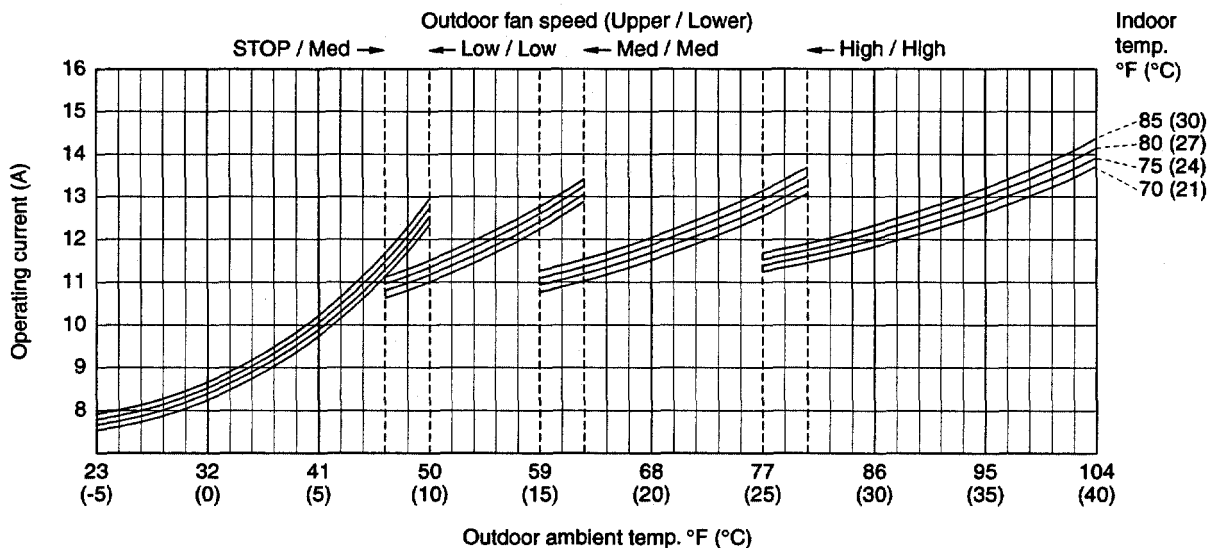
(1) Operating Current

② Indoor Unit: KS3032

Outdoor Unit: CL3032

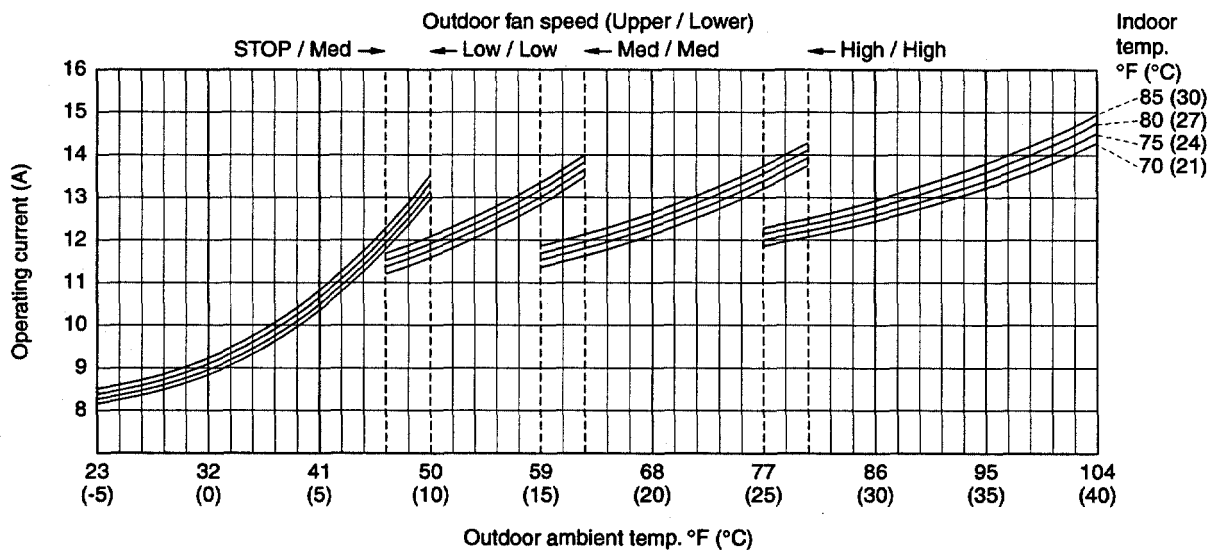
Operating current characteristics versus outdoor ambient temperature and indoor temperature.
(Indoor relative humidity: 50%, Indoor fan speed: High)

230V



1432_X_S

208V



1433_X_S

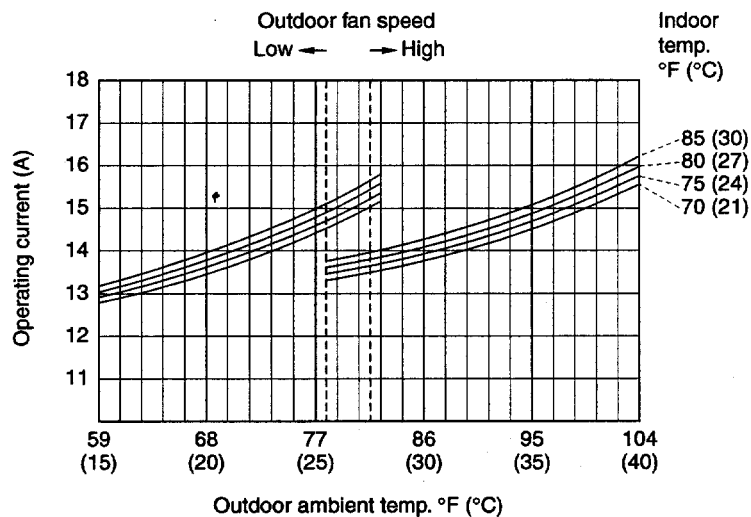
5. PERFORMANCE CHARTS

(1) Operating Current

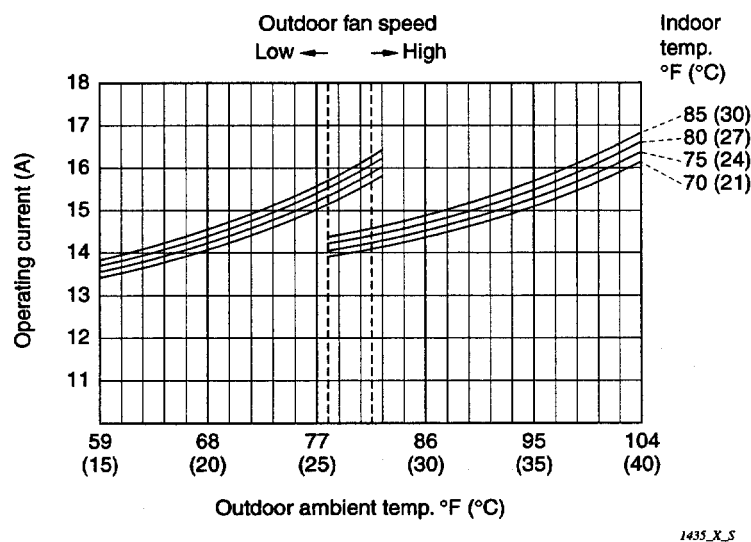
③ Indoor Unit: KS3632 - Outdoor Unit: C3632

Operating current characteristics versus outdoor ambient temperature and indoor temperature.
(Indoor relative humidity: 50%, Indoor fan speed: High)

230V



208V



5. PERFORMANCE CHARTS

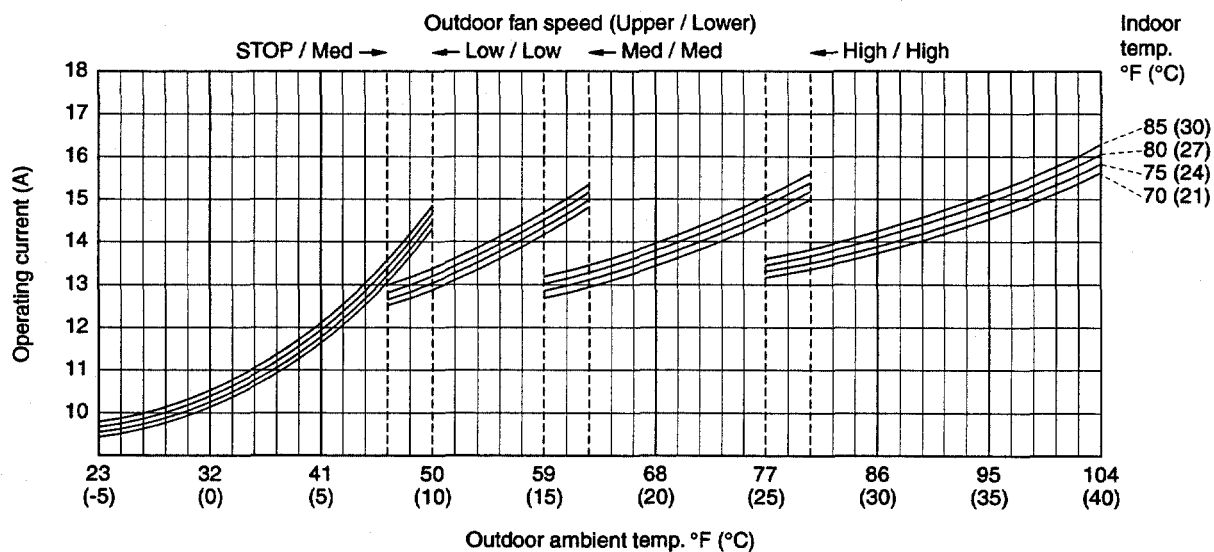
(1) Operating Current

④ Indoor Unit: KS3632

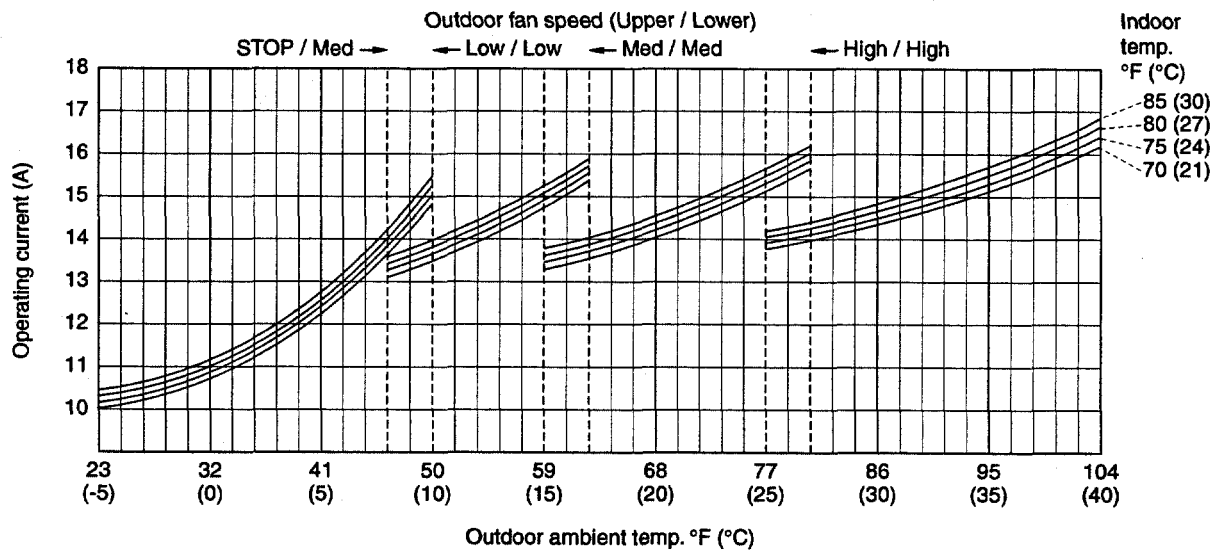
Outdoor Unit: CL3632

Operating current characteristics versus outdoor ambient temperature and indoor temperature.
(Indoor relative humidity: 50%, Indoor fan speed: High)

230V



208V



5. PERFORMANCE CHARTS

(2) High and Low Pressure

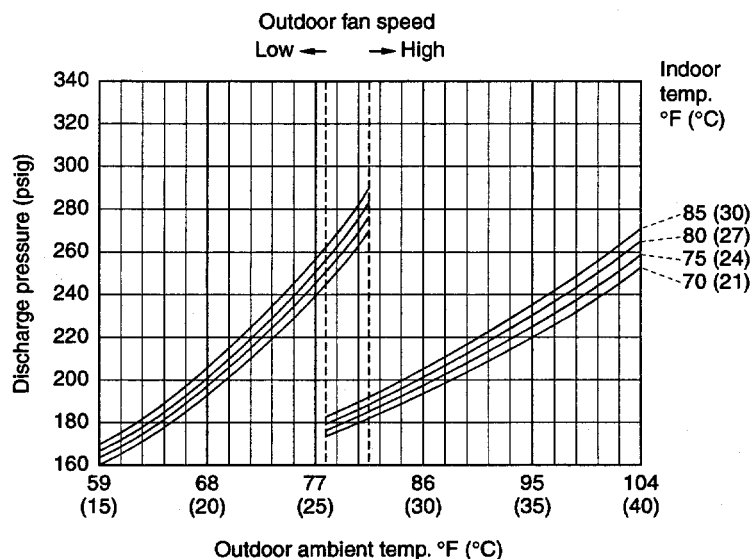
① Indoor Unit: KS3032

Outdoor Unit: C3032

• High Pressure

High pressure characteristics versus outdoor ambient temperature and indoor temperature.
(Indoor relative humidity: 50%, Indoor fan speed: High)

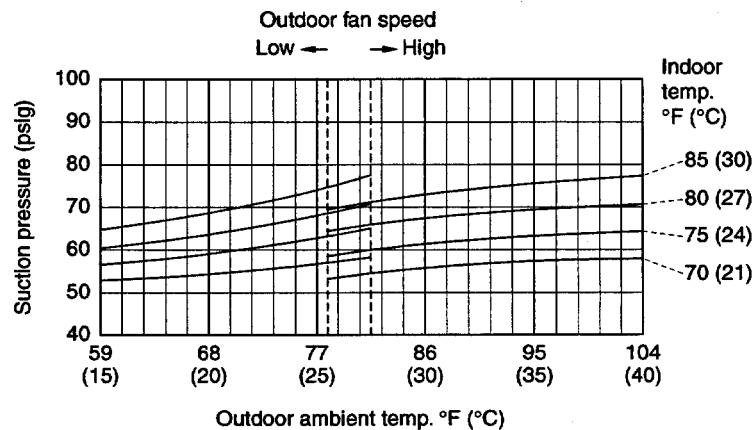
230V / 208V



• Low Pressure

Low pressure characteristics versus outdoor ambient temperature and indoor temperature.
(Indoor relative humidity: 50%, Indoor fan speed: High)

230V / 208V



5. PERFORMANCE CHARTS

(2) High and Low Pressure

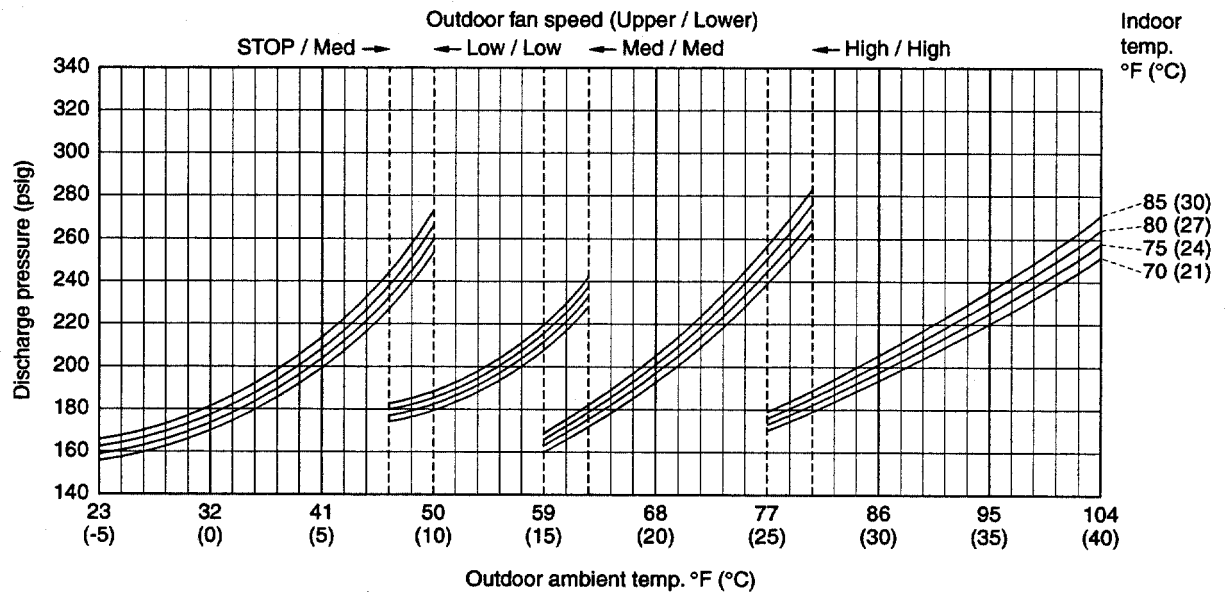
② Indoor Unit: KS3032

Outdoor Unit: CL3032

• High Pressure

High pressure characteristics versus outdoor ambient temperature and indoor temperature.
(Indoor relative humidity: 50%, Indoor fan speed: High)

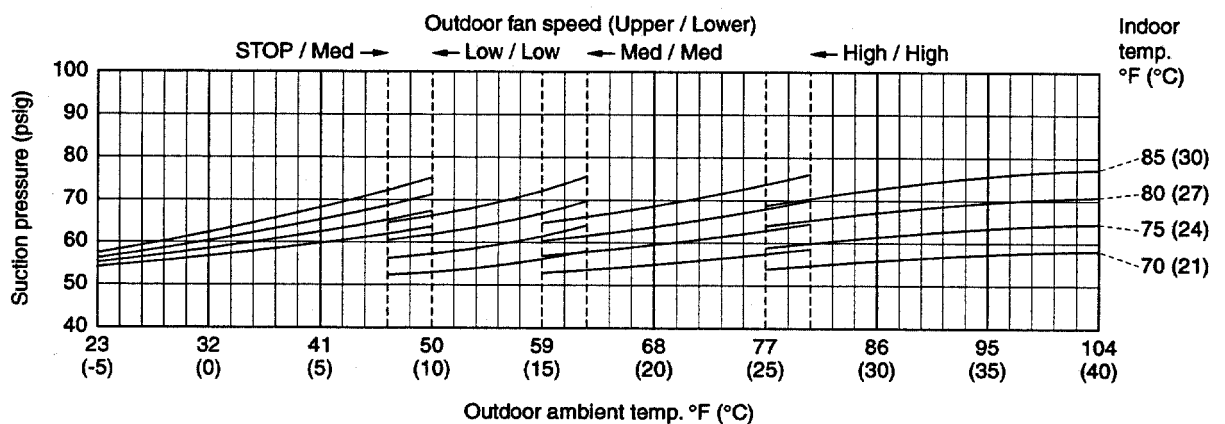
230V / 208V



• Low Pressure

Low pressure characteristics versus outdoor ambient temperature and indoor temperature.
(Indoor relative humidity: 50%, Indoor fan speed: High)

230V / 208V



5. PERFORMANCE CHARTS

(2) High and Low Pressure

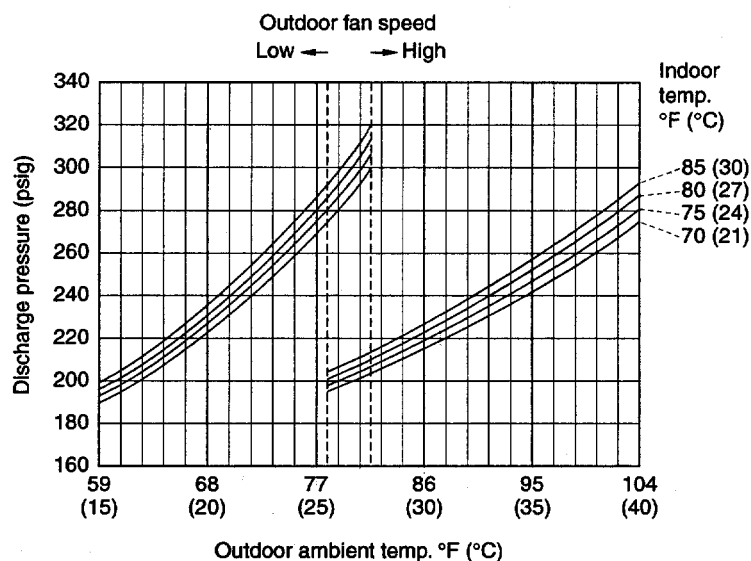
③ Indoor Unit: KS3632

Outdoor Unit: C3632

• High Pressure

High pressure characteristics versus outdoor ambient temperature and indoor temperature.
(Indoor relative humidity: 50%, Indoor fan speed: High)

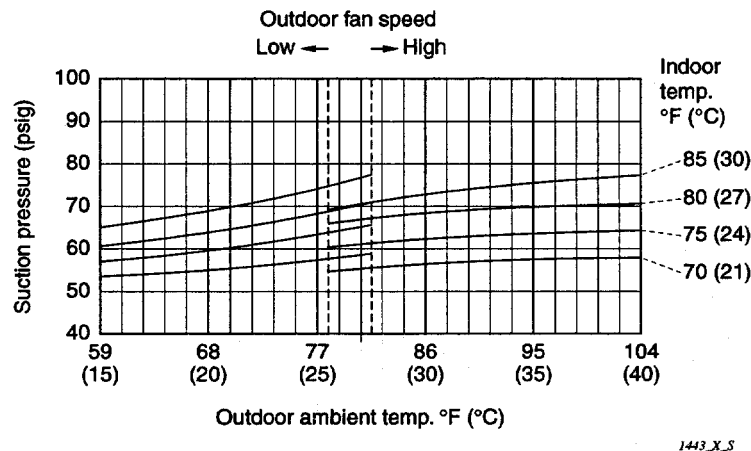
230V / 208V



• Low Pressure

Low pressure characteristics versus outdoor ambient temperature and indoor temperature.
(Indoor relative humidity: 50%, Indoor fan speed: High)

230V / 208V



5. PERFORMANCE CHARTS

(2) High and Low Pressure

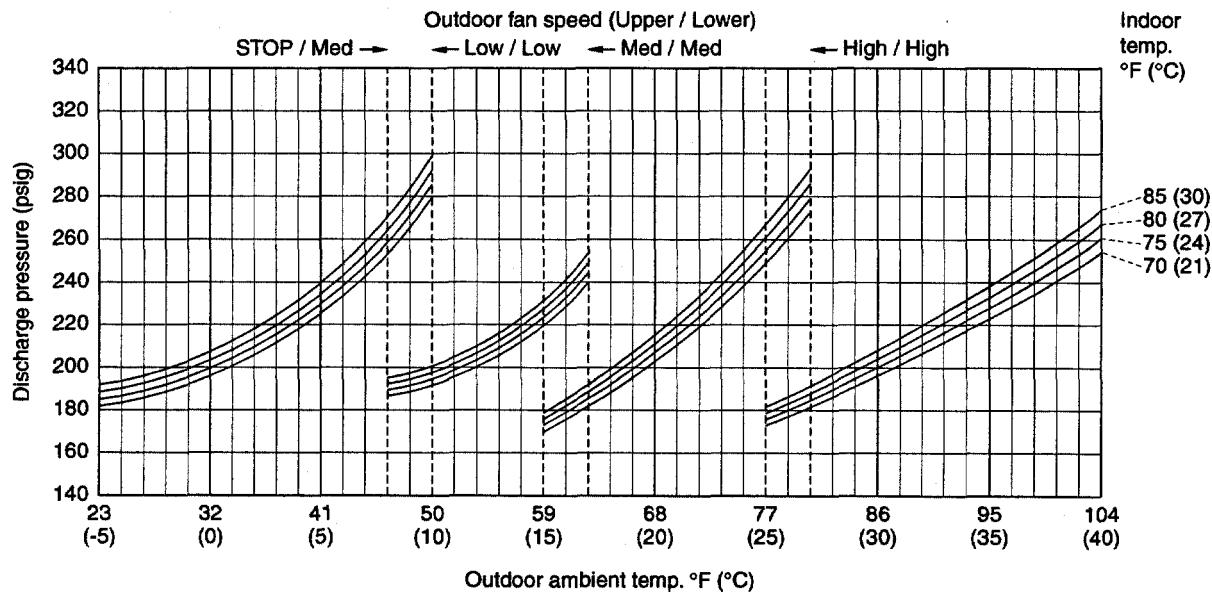
④ Indoor Unit: KS3632

Outdoor Unit: CL3632

• High Pressure

High pressure characteristics versus outdoor ambient temperature and indoor temperature.
(Indoor relative humidity: 50%, Indoor fan speed: High)

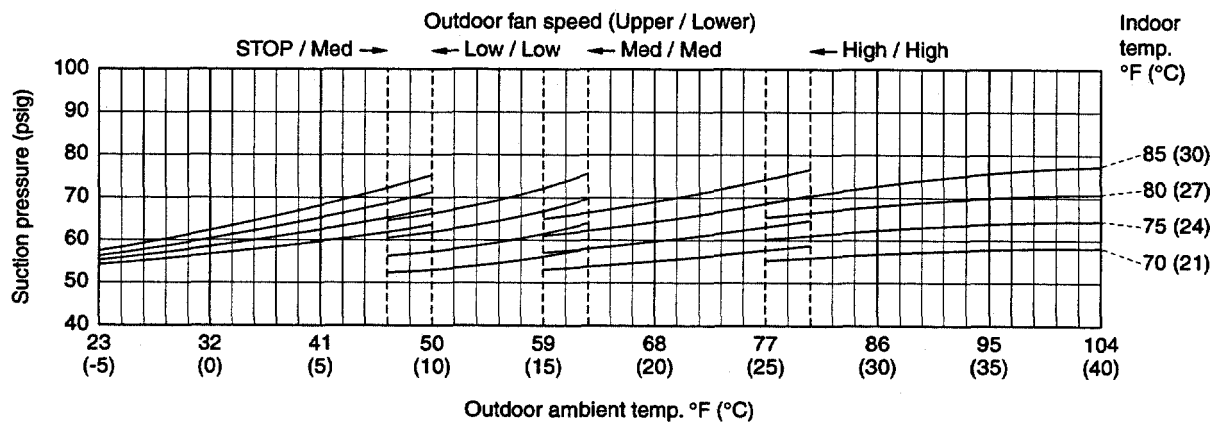
230V / 208V



• Low Pressure

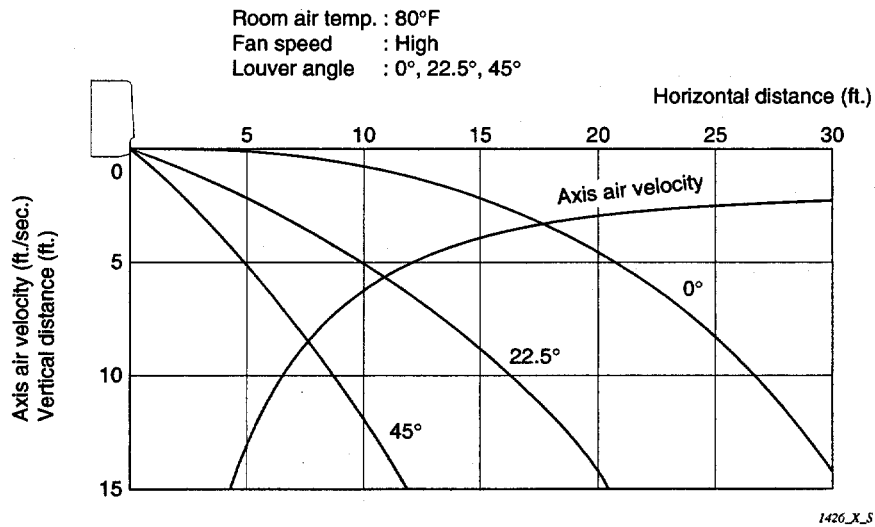
Low pressure characteristics versus outdoor ambient temperature and indoor temperature.
(Indoor relative humidity: 50%, Indoor fan speed: High)

230V / 208V

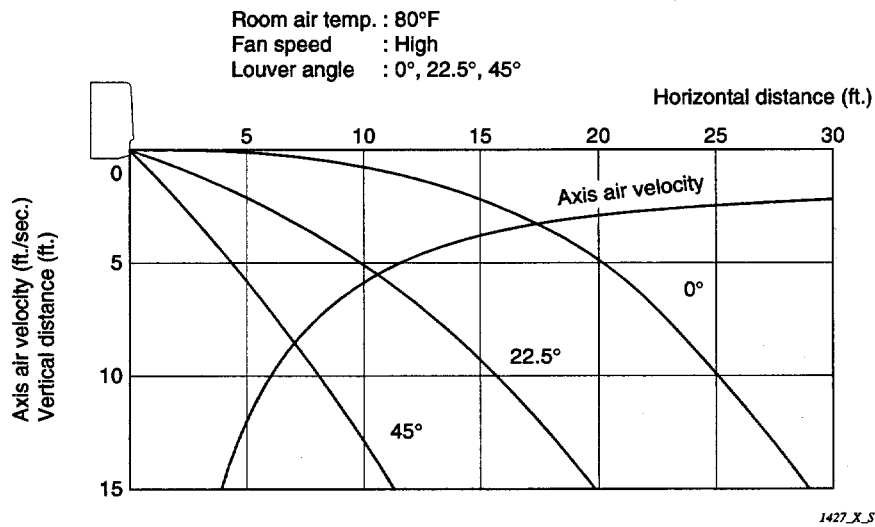


6. AIR THROW DISTANCE CHART

MODEL: KS3032



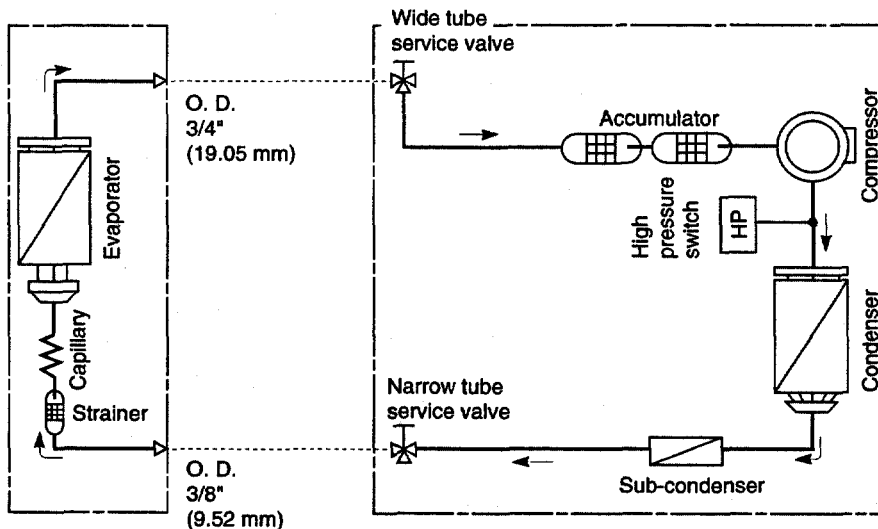
MODEL: KS3632



7. REFRIGERANT FLOW DIAGRAM

Indoor Unit: KS3032
KS3632

Outdoor Unit: C3032, C3632
CL3032, CL3632



1345_X_S

Insulation of Refrigerant Tubing

IMPORTANT



CAUTION

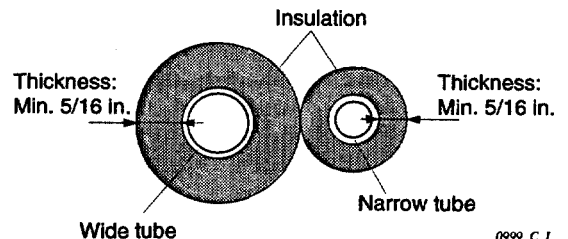
When installing "CL" models, insulate both wide and narrow tube.

When outdoor temperature is low, condensation can also form on a narrow tube. So always insulate both wide and narrow tubes.



CAUTION

After a tube has been insulated, never try to bend it into a narrow curve because it can cause the tube to break or crack.



0999_C_J

8. INSTALLATION INSTRUCTIONS

(1) Tubing Length

- Refrigerant tubing between the indoor and outdoor units should be kept as short as possible.
- Select and decide the installation location so that the length of the refrigerant tubing will be within the limits given in Table 1.

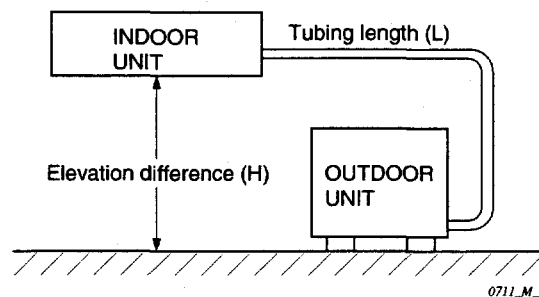


Fig. 1

Table 1

Tubing Data		Model	C3032 CL3032	C3632 CL3632
Tubing size outer dia.	Narrow tube	in. (mm)	3/8 (9.52)	
	Wide tube	in. (mm)	3/4 (19.05)	
Limit of tubing length		(ft.)	165	
Limit of elevation difference between the 2 units	Outdoor unit is higher than indoor unit	(ft.)	165	
	Outdoor unit is lower than indoor unit	(ft.)	100	
Max. allowable tubing length at shipment		(ft.)	50	
Required additional refrigerant**1		(oz./ft.)	0.82	
Refrigerant charged at shipment		(lbs.)	8.6	9.48

No additional charge of compressor oil is necessary.

*1 If total tubing length becomes 50 to 165 ft., charge additional refrigerant (R22) by 0.86 oz./ft..

8. INSTALLATION INSTRUCTIONS

(2) Selecting the Installation Site

Indoor Unit

AVOID:

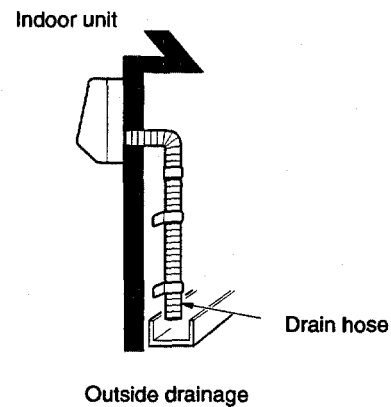
- areas where leakage of flammable gas may be expected.
- places where large amounts of oil mist exist. (Fig. 2)
- direct sunlight.
- locations near inverter lamps which may affect performance of the unit.
- locations near heat sources which may affect performance of the unit.
- locations where external air may enter the room directly. This may cause "sweating" on the air discharge ports, causing them to spray or drip. (Fig. 3)
- locations where the remote control unit will be splashed with water or affected by dampness or humidity.
- installing the remote control unit behind curtains or furniture.
- locations where the receiver in the indoor unit is exposed to the inverter lamp light. Faulty operation of the unit occurs.

DO:

- select an appropriate position from which every corner of the room can be uniformly air-conditioned.
- select a location where the ceiling is sufficiently strong enough to support the weight of the unit.
- select a location where the tubing and drain pipe have the shortest run to the outside. (Fig. 2)
- allow room for operation and maintenance as well as unrestricted air flow around the unit. (Fig. 3)
- Install the unit within the maximum elevation difference above or below the outdoor unit and within a total tubing length from the outdoor unit as detailed in Table 1 and Fig. 1 on the previous page.
- allow room for mounting the remote control unit about 3 ft. off the floor, in an area that is not in direct sunlight nor in the flow of cool air from the indoor unit.

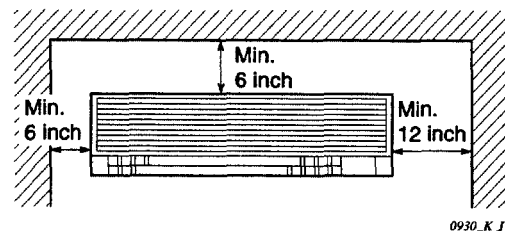
NOTE

- Air delivery will be poor if the distance from the floor to the ceiling is greater than 10 ft..



1070_M_I

Fig. 2



0930_K_J

Fig. 3

8. INSTALLATION INSTRUCTIONS

Outdoor Unit

AVOID:

- heat sources, exhaust fans, etc. Fig. 4
- damp, humid or uneven locations.

DO:

- choose a place as cool as possible.
- choose a place that is well ventilated and outside air temperature does not exceed maximum 115 °F constantly.
- allow enough room around unit for air intake/exhaust and possible maintenance. Fig. 5
- provide a solid base; about 6 inch above ground level to reduce humidity and possible water damage in the unit and decrease service life. Fig. 6
- use lug bolts or equivalent to bolt down unit, reducing vibration and noise.

CAUTION

If more than 2 outdoor units are installed in the same location, keep at least 3 meters away from the neighboring unit to avoid influence of air discharge.

Air discharge chamber for top discharge

Install the air-discharge chamber in the field when:

- it is difficult to keep a space of minimum 2 ft. between the air-discharge outlet and the obstacle.
- the air-discharge outlet is facing the sidewalk and discharged hot air can annoy the passers-by.

Refer to Fig. 6 and Fig. 7.

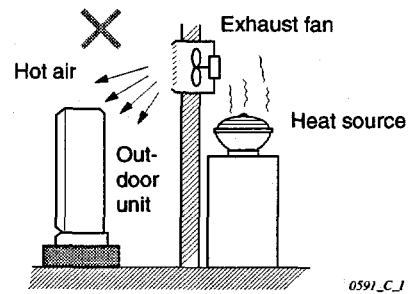


Fig. 4

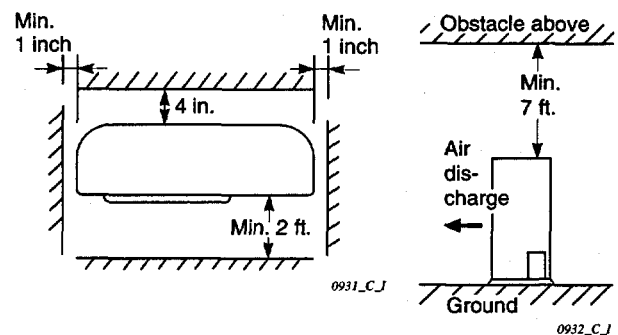


Fig. 5

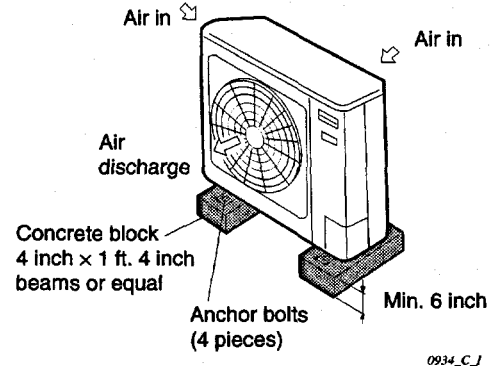


Fig. 6

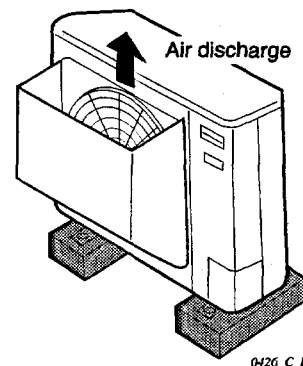
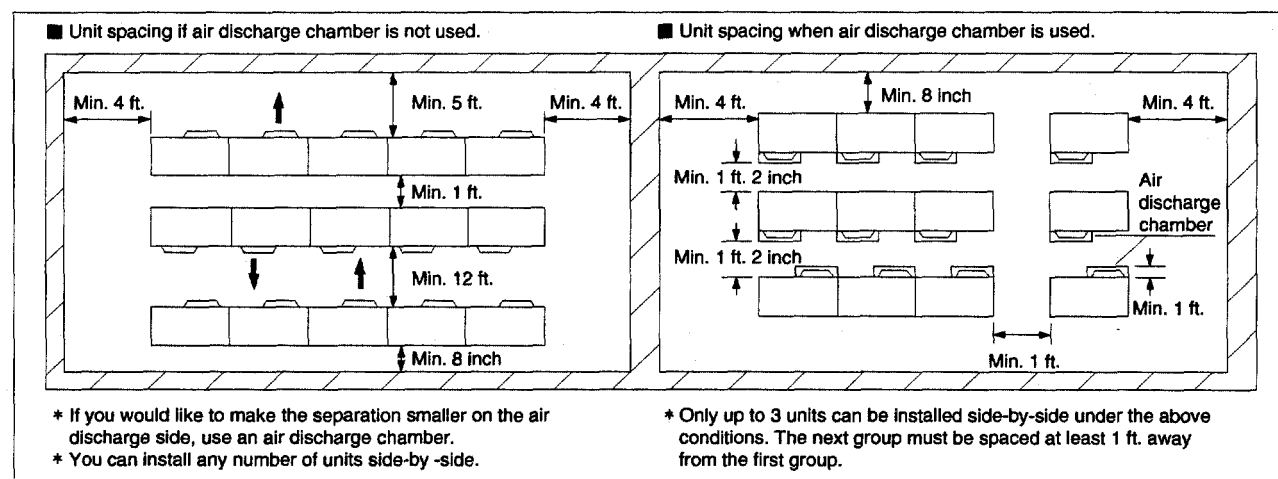


Fig. 7

8. INSTALLATION INSTRUCTIONS

In case of multiple installations



0933_C_5

(3) Electrical Wiring

General Precautions on Wiring

- (1) Before wiring, confirm the rated voltage of the unit as shown on its nameplate, then carry out the wiring closely following the wiring diagram.
- (2) Provide a power outlet to be used exclusively for each unit, and a power supply disconnect and circuit breaker for overcurrent protection should be provided in the exclusive line.
- (3) To prevent possible hazards from insulation failure, the unit must be grounded.
- (4) Each wiring connection must be done in accordance with the wiring system diagram. Wrong wiring may cause the unit to misoperate or become damaged.
- (5) Do not allow wiring to touch the refrigerant tubing, compressor, or any moving parts of the fan.
- (6) Unauthorized changes in the internal wiring can be very dangerous. The manufacturer will accept no responsibility for any damage or misoperation that occurs as a result of such unauthorized changes.
- (7) Regulations on wire diameters differ from locality to locality. For field wiring rules, please refer to your **LOCAL ELECTRICAL CODES** before beginning. You must ensure that installation complies with all relevant rules and regulations.
- (8) To prevent malfunction of the air conditioner caused by electrical noise, care must be taken when wiring as follows:
 - The inter-unit control wiring and the remote control wiring (option) should be wired apart from the inter-unit power wiring.
 - It is recommended that shield wires or twisted pair wires be used for the remote control and the inter-unit control wiring if the air conditioner is installed where it is exposed to the influence of electrical and/or electro-magnetic noise.

8. INSTALLATION INSTRUCTIONS

Recommended Wire Length and Wire Diameter for Power Supply System

Models			(A)*1 Power Supply AWG #10	(B)*1 Inter-unit Wiring AWG #14	Time Delay Fuse or Circuit Capacity	Power Supply Terminal Base (Outdoor Unit)	
						Capacity	Max. Wire Diameter
Single- phase	60Hz	C3032 CL3032	101 ft.	164 ft.	30 A	50 A	AWG #6
		C3632 CL3632	86 ft.		35 A		

*1 Refer to the Wiring System Diagrams (See below diagram) for the meaning of "A", "B".

AWG = American Wire Gauge

NOTE

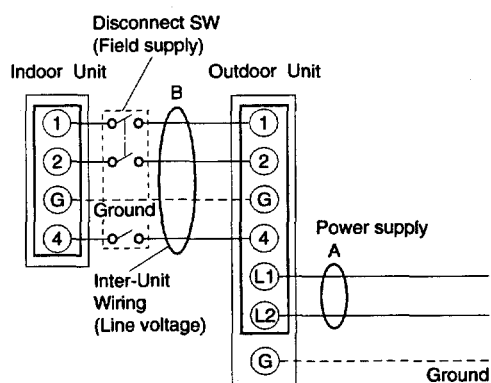
To access the electrical component box, open the air intake grille and remove the electrical component box cover.

Wiring System Diagram

Outdoor Unit : "C", "CL" models

Single-phase

60 Hz, 230 / 208 V



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9. ELECTRICAL DATA

● Electrical characteristics

Indoor model: KS3032 / Outdoor model: C3032, CL3032

		Indoor Unit	Outdoor Unit		Complete Unit
		Fan Motor	Fan Motor	Compressor	
Performance at		230 - 208 V / 1 phase / 60 Hz		230 - 208 V / 1 phase / 60 Hz	
Rating conditions	A	0.6 - 0.5	1.8 - 1.8	10.6 - 11.3	13.0 - 13.6
	kW	0.12 - 0.10	0.36 - 0.34	2.40 - 2.33	2.88 - 2.77
Full load conditions	A	0.6 - 0.5	1.8 - 1.8	12.7 - 13.8	15.1 - 16.1
	kW	0.12 - 0.10	0.36 - 0.34	2.90 - 2.85	3.38 - 3.29
Starting amperes	A	1 - 1	2 - 2	77 - 70	79.6 - 72.5

Indoor model: KS3632 / Outdoor model: C3632, CL3632

		Indoor Unit	Outdoor Unit		Complete Unit
		Fan Motor	Fan Motor	Compressor	
Performance at		230 - 208 V / 1 phase / 60 Hz		230 - 208 V / 1 phase / 60 Hz	
Rating conditions	A	0.6 - 0.6	1.8 - 1.8	12.5 - 13.1	14.9 - 15.5
	kW	0.12 - 0.10	0.36 - 0.34	2.82 - 2.67	3.30 - 3.11
Full load conditions	A	0.6 - 0.6	1.8 - 1.8	15.3 - 16.5	17.7 - 18.9
	kW	0.12 - 0.10	0.36 - 0.34	3.42 - 3.39	3.90 - 3.83
Starting amperes	A	1 - 1	2 - 2	95 - 86	97.6 - 88.6

Rating Conditions : Indoor Air Temperature 80 °F DB / 67 °F WB

Outdoor Air Temperature 95 °F DB

Full Load Conditions : Indoor Air Temperature 80 °F DB / 67 °F WB

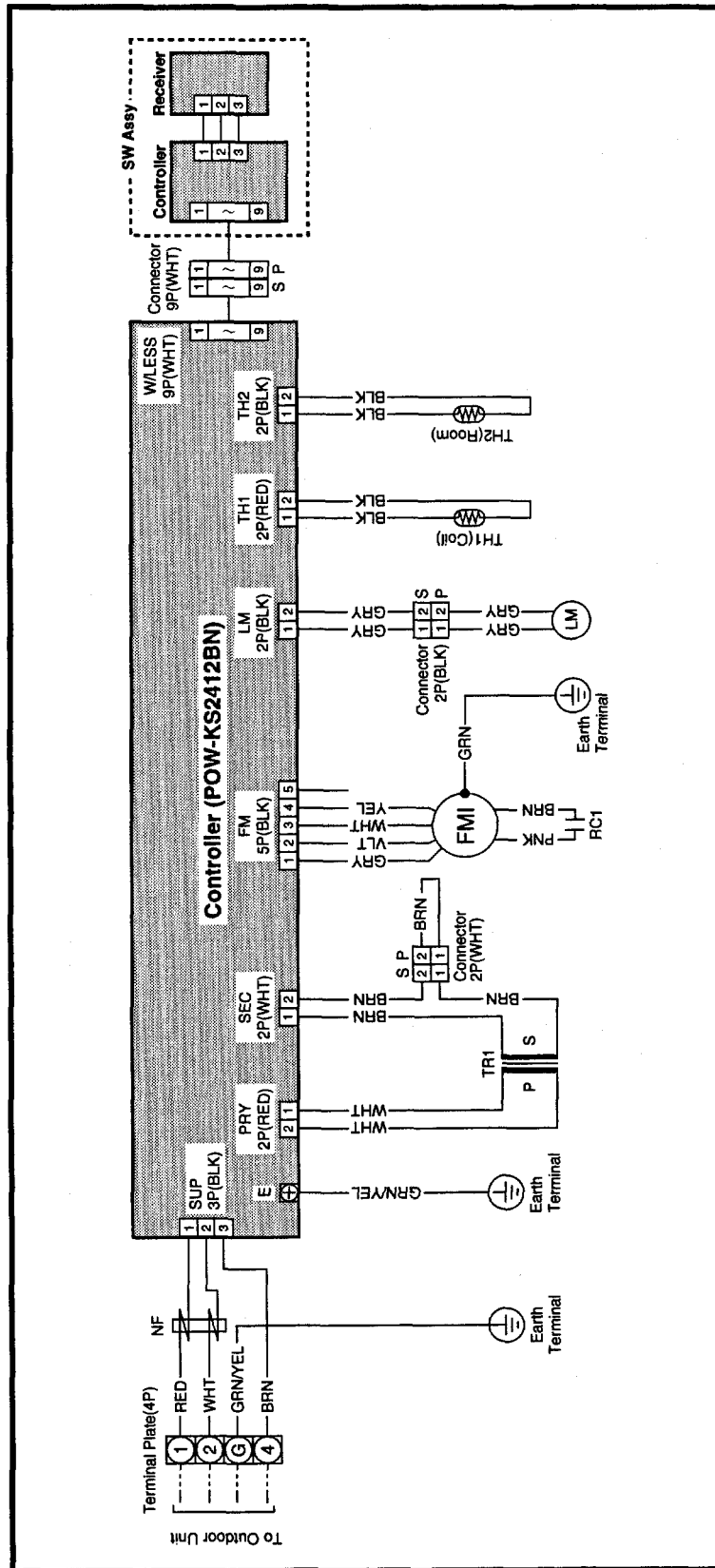
Outdoor Air Temperature 115 °F DB

10. ELECTRICAL WIRING DIAGRAMS

(1) Indoor Unit

① KS3032, KS3632

• Electric Wiring Diagram

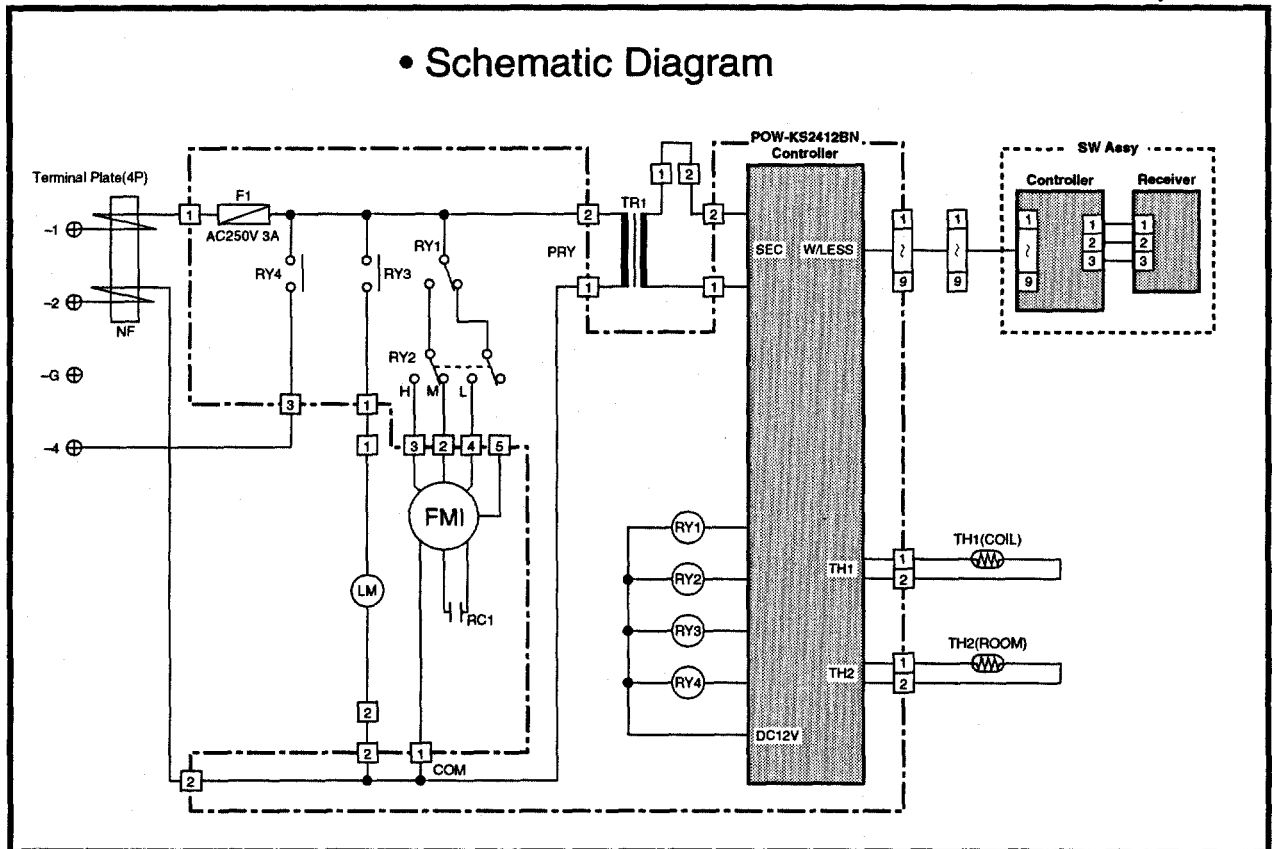


⑧ 854-2-5268-618-00-0 (KS3032, KS3632)

10. ELECTRICAL WIRING DIAGRAMS

(1) Indoor Unit

① KS3032, KS3632



Symbols	Description
FMI	Indoor Fan Motor
RC1	Running Capacitor
LM	Auto Louver Motor
F1	Fuse
NF	Noise Filter
TR1	Power Transformer
RY1, 2, 3, 4	Auxiliary Relay
TH1	Thermistor (Indoor Coil)
TH2	Room Thermistor
POW-KS2412BN	Indoor Controller
⊕	Terminal Plate
□	Connector
⊗	Terminal

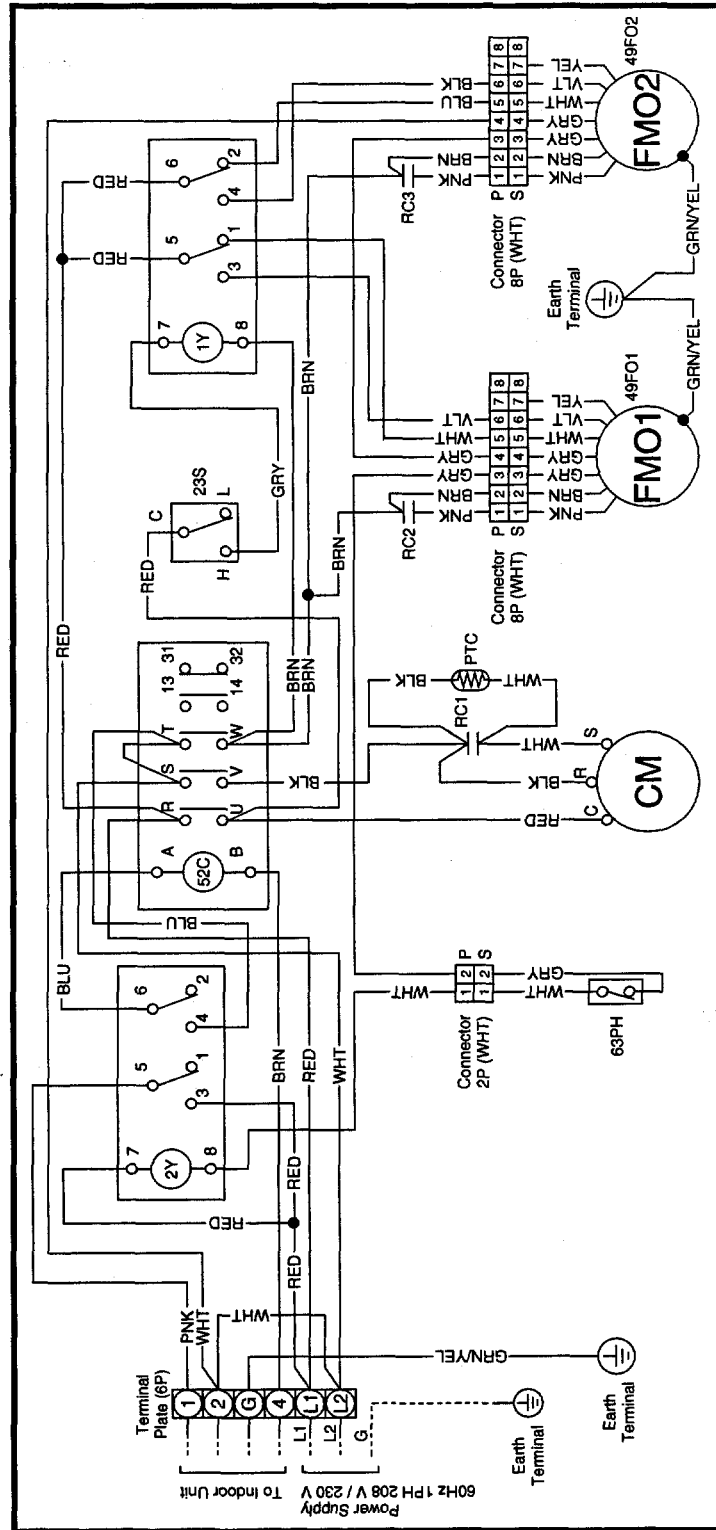
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10. ELECTRICAL WIRING DIAGRAMS

(2) Outdoor Unit

① C3032, C3632

• Electric Wiring Diagram

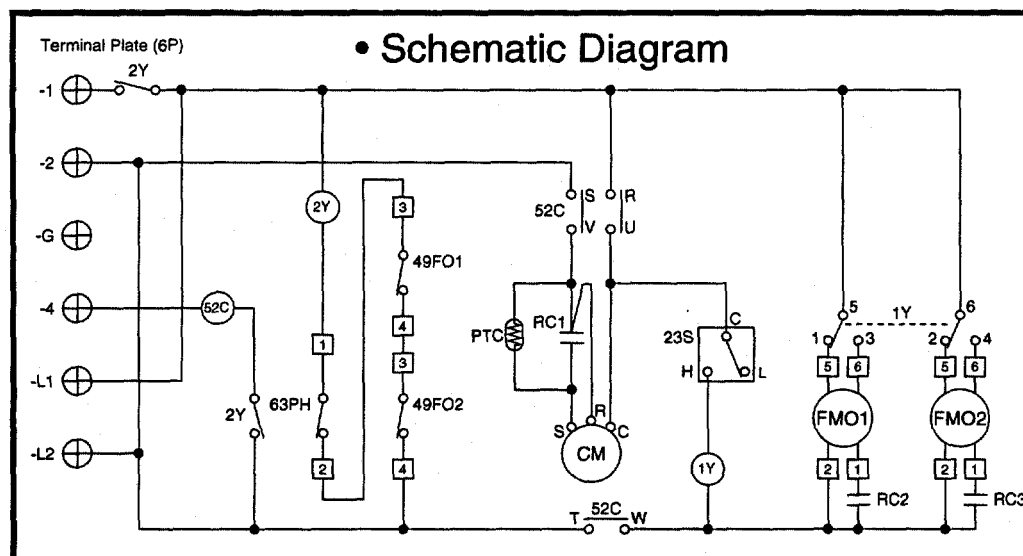


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10. ELECTRICAL WIRING DIAGRAMS

(2) Outdoor Unit

① C3032, C3632



Symbols	Description
CM	Compressor Motor
FMO1, 2	Outdoor Fan Motor
49FO1, 2	Outdoor Fan Motor Thermal Protector
52C	Compressor Motor Magnetic Contactor
63PH	High Pressure Switch
23S	Fan Speedcontrol Thermostat
RC1, 2, 3	Running Capacitor
PTC	PTC Thermistor
1Y, 2Y	Auxiliary Relay
□	Connector
⊕	Terminal Plate

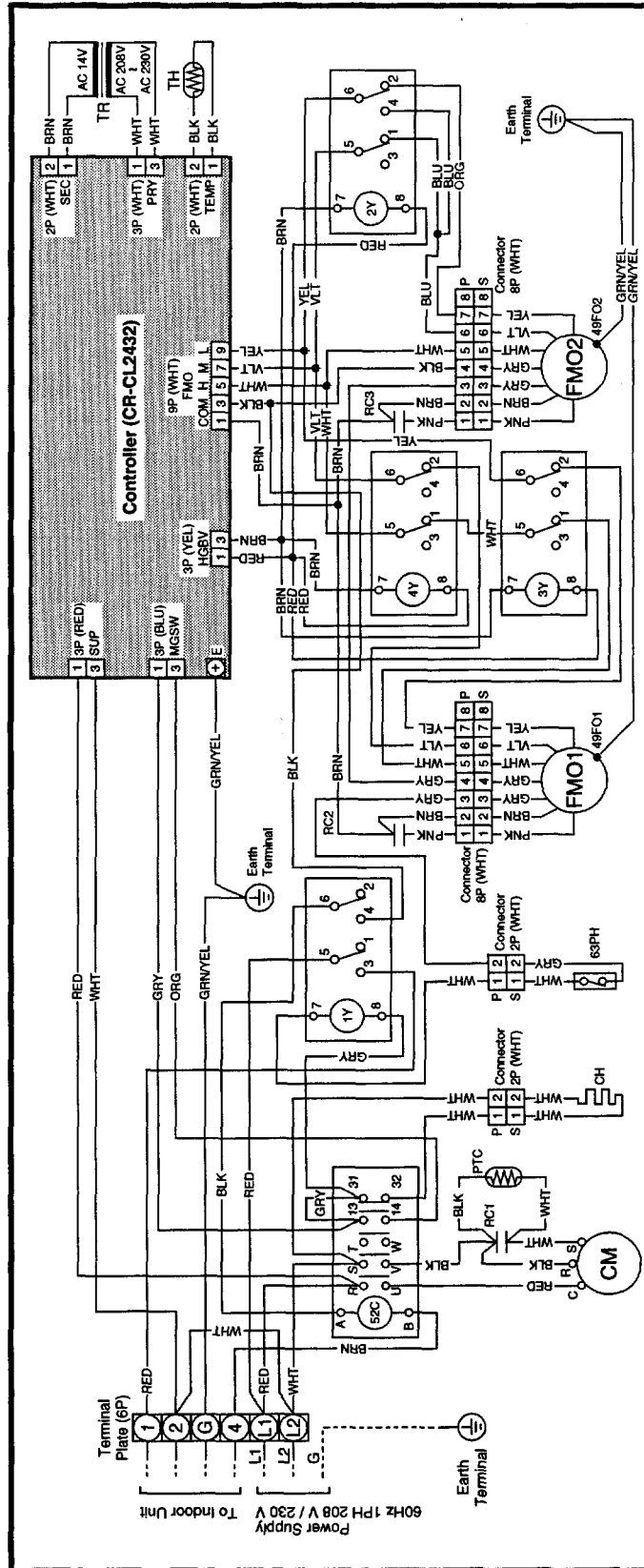
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10. ELECTRICAL WIRING DIAGRAMS

(2) Outdoor Unit

② CL3032, CL3632

• Electric Wiring Diagram

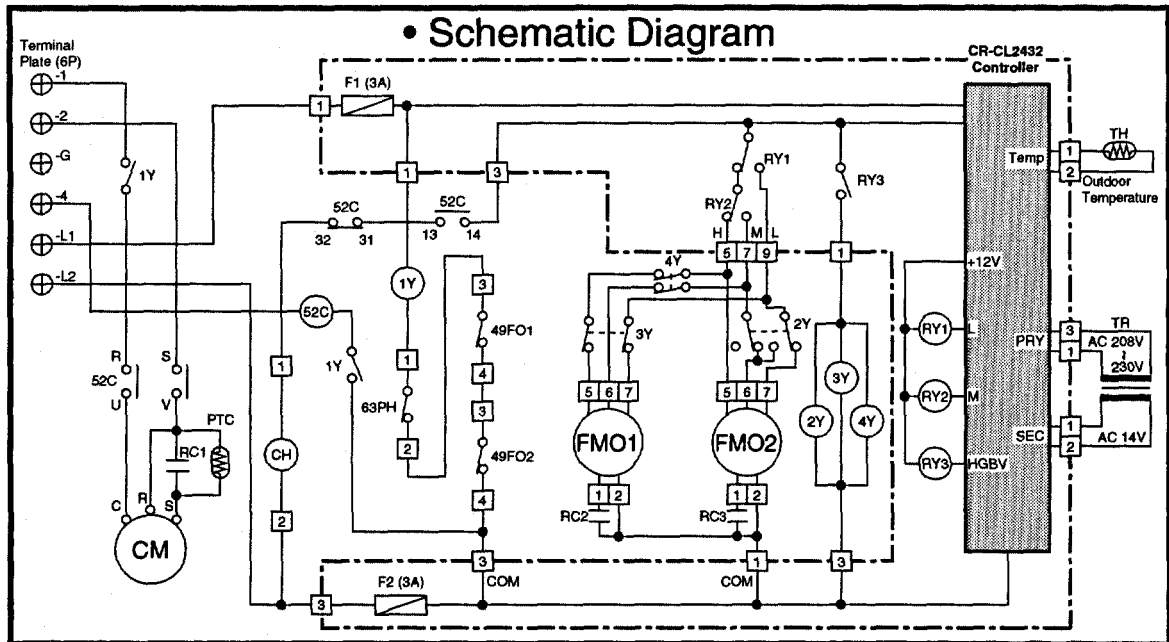


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10. ELECTRICAL WIRING DIAGRAMS

(2) Outdoor Unit

② CL3032, CL3632



Symbols	Description	Symbols	Description
CM	Compressor Motor	F1, 2	Fuse
CH	Crankcase Heater	63PH	High Pressure Switch
FMO1, 2	Outdoor Fan Motor	⊕	Terminal Plate
49FO1, 2	Outdoor Fan Motor Thermal Protector	□	Connector
52C	Compressor Motor Magnetic Contactor	⊞	Terminal
PTC	PTC Thermistor		
TR	Power Transformer		
TH	Thermistor (Outdoor Temperature)		
RC1, 2, 3	Running Capacitor		
RY1, 2, 3	Auxiliary Relay		
1Y~4Y	Auxiliary Relay		
CR-CL2432	Outdoor Controller		

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