Westair
Industries, Inc.

R22 Ducted Split Units (1 - 6TR) Commercial AC 50Hz

WEDN & WESN Series

CONTENTS

INTRODUCTION

These concealed Ductable Split Indoor & Outdoor units have been developed & produced to provide not only the ultimate indoor comfort, but also to guarantee long & trouble free operations.

Herein lies the reason for the choice of only the highest quality components and design strategies to meet the most important objectives such as ,

- EFFICIENCY
- RELIABILITY
- FLEXIBILITY
- EASY INSTALLABILITY
- SERVICEABILITY
- AFFORDABILITY

CONCEALED DUCTABLE SPLIT SYSTEM
CAPACITY 12,000 – 72,000 BTU/HR

Lo-Static 1.0 to 3.0 TR / Hi-Static 2.0 to 2.5 TR

Hi-Static 3.0 to 6.0 TR

Side Discharge Condensing Unit
1.0 to 6.0 TR

Top Discharge Condensing Unit
1.5 to 4.0 TR

Top Discharge Condensing Unit
5.0 to 6.0 TR

SALIENT FEATURES

FEATURES: CONCEALED DUCTABLE INDOOR SPLIT UNITS

- The WEDN & WESN units are a new range of Concealed ductable split units with compact design, low profile suitable for Horizontal installation in most standard drop ceiling application. Having flexibility in installation & low labour cost.

- The Concealed ductable Indoor split units are designed by latest fan coil technology, highly efficient in performance and ideal for both commercial and residential application with whisper quiet operation.

- WEDN & WESN series units are Leak tested by electronic machines, piped, internally wired and having holding charge of refrigerant R22.

- WEDN & WESN units (1TR -6TR capacities) are available in the following voltages

1) 220 – 240 Volts / 1 Phase / 50 Hz

Control voltage is 220 volts.

- Factory assembled controls with 220V wired remote controller (wireless remote controller is optional)

- These series Concealed ductable Indoor split units are made from high quality Galvanized steel for high reliability and long period of operation.

- The coils are made of seamless inner grooved Copper tube/Corrugated Aluminum fin, Efficient and dependable metering of the refrigerant is provided by thermostatic expansion device or flow restrictor, a device which improves overall system reliability and is easily accessible for routine maintenance.

- These series units are designed with advanced refrigerant circuitry keeping in mind for the minimum pressure drop for best output. Low density insulation has been used in units to avoid the heat loss which can bring down the performance of unit and for quiet operation.

- The indoor air compartment are completely insulated with 6mm fire retard Expanded Poly Ethylene (EPE) insulation.

- Units are completely factory wired with single point power input provided with knockouts for utility, main power supply and control connections.

SALIENT FEATURES

FEATURES: OUTDOOR CONDENSING UNITS

- These outdoor units are the new range of Outdoor split units, suitable for side and up flow installation on the roof or on the ground.

- These Outdoor split models (1TR - 6TR capacities) are available in the following voltages.

1) 220 - 240 Volts /50Hz

2) 380 - 420 Volts /50Hz

These units are designed & tested in accordance with ARI standards.

- The outdoor units are Leak tested with electronic machines ,piped, internally wired and fully charged with refrigerant R-22.

- The Outdoor units are made from high quality Galvanized, weather resistant steel and powder coated for lasting protection and durability.

- Compressors are fully hermetic Scroll or Reciprocating type designed for high efficiency and provided with standard controls & safety devices.

- Higher capacity compressors are provided with crankcase heaters which warms oil and prevents dilution by refrigerant.

- Condenser coils are made of seamless inner grooved copper tube and aluminum corrugated fins mechanically bonded for maximum heat transfer and Coils are factory tested for leaks and pressure at 550psig.

- Condenser coils are designed to have minimum pressure drop for refrigerant flow to get best output.

- Condenser fans are propeller type, direct drive draw through vertical discharge with fan guard mounted to the panel.

- HP & LP Controls for models above 3TR are provided for the safe operation of the compressor.

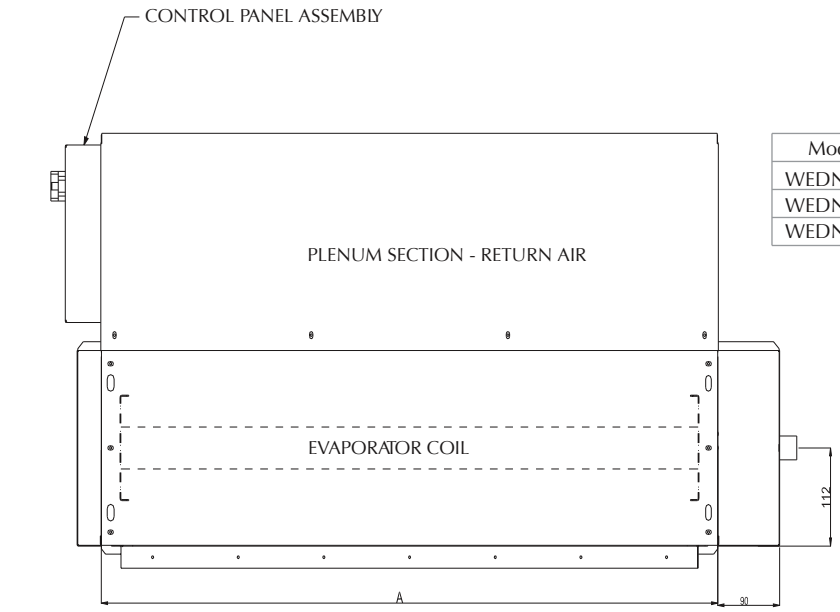
- Easy accessible control box, compressor and High pressure switch.

- All the units are provided with Time delay.

GA DRAWINGS

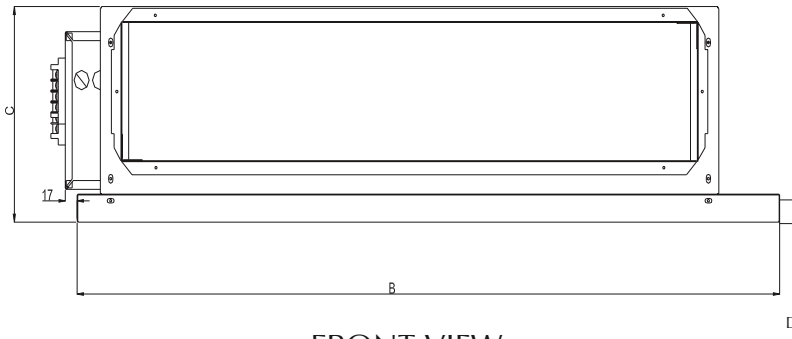
WEDN 12K–36K UNITS

GENERAL ARRANGEMENT OF NEW LO-STATIC SERIES - WEDN12-36K

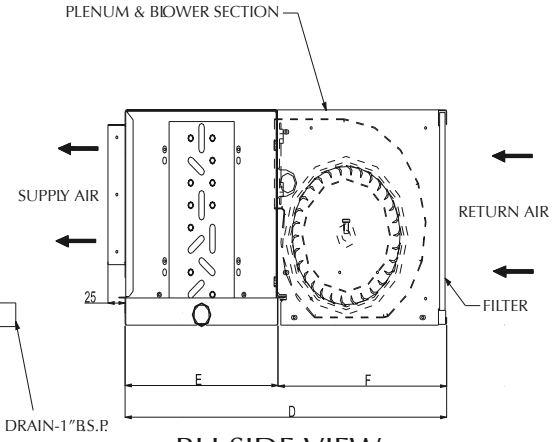


TOP VIEW

Model	DIM 'A'	DIM'B'	DIM'C'	DIM'D'	DIM'E'	DIM'F'
WEDN12-18	700	800	220	450	223	227
WEDN24-30	900	1025	245	469	223	246
WEDN36	1130	1255	245	469	223	246



FRONT VIEW



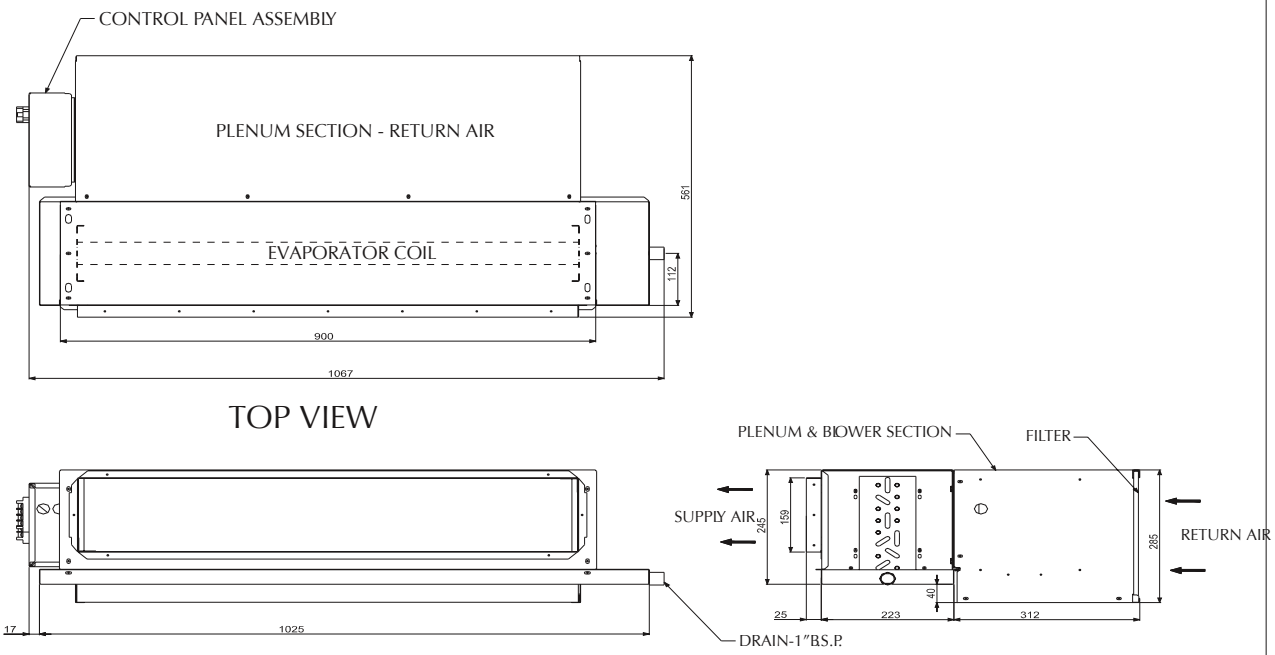
RH SIDE VIEW

DIMENSIONS AND LAYOUT SHOWN ABOVE ARE SUBJECT TO CHANGE WITHOUT NOTICE.

GA DRAWINGS

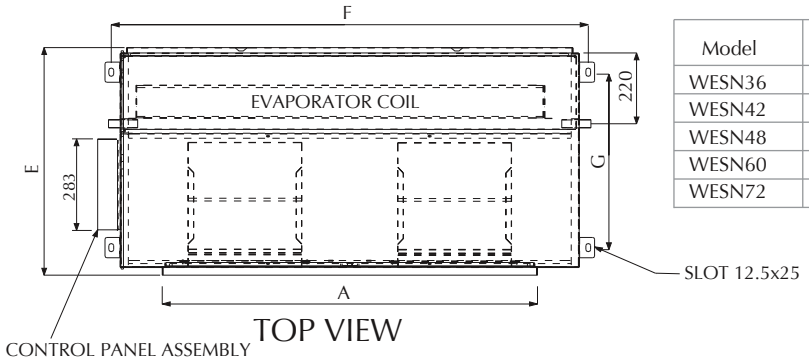
WESN24K – WESN72K UNITS

GENERAL ARRANGEMENT OF NEW HI-STATIC SERIES - WESN24-30K

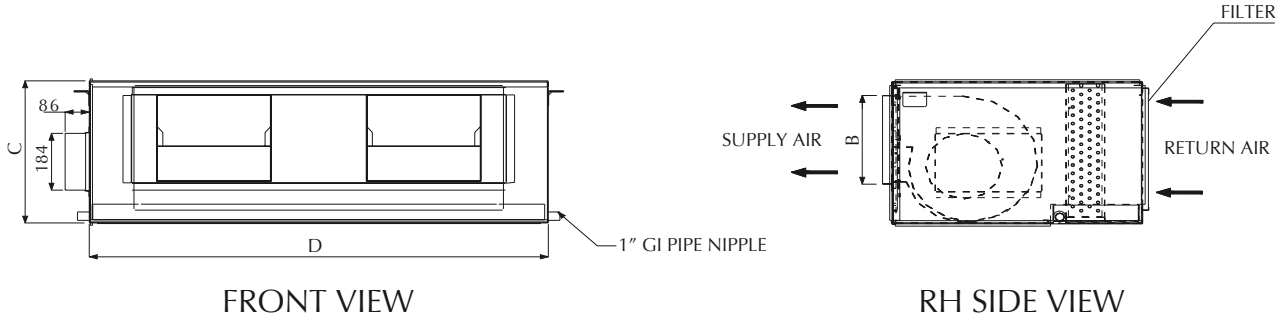


DIMENSIONS AND LAYOUT SHOWN ABOVE ARE SUBJECT TO CHANGE WITHOUT NOTICE.

MODEL: WESN36 - WESN72 UNITS



Model	DIM 'A' (mm)	DIM'B' (mm)	DIM'C' (mm)	DIM'D' (mm)	DIM'E' (mm)	DIM'F' (mm)	DIM'G' (mm)
WESN36	978	243	378	1100	656	1147	497
WESN42	978	243	378	1100	656	1147	497
WESN48	978	243	378	1100	656	1147	497
WESN60	982	272	435	1200	696	1247	537
WESN72	982	272	435	1200	696	1247	537

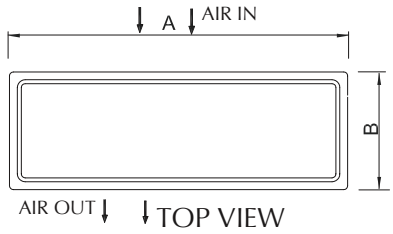


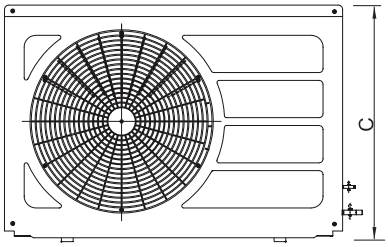
DIMENSIONS AND LAYOUT SHOWN ABOVE ARE SUBJECT TO CHANGE WITHOUT NOTICE.

GA DRAWINGS

12K-72K UNITS

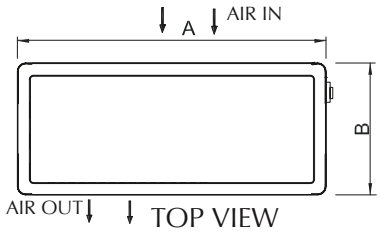
SIDE DISCHARGE MODEL

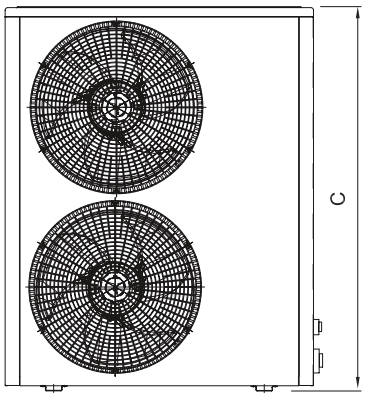




Model	DIM 'A' (mm)	DIM 'B' (mm)	DIM 'C' (mm)
CVT12	733	267	492
CCT/CCR18-24	870	320	650
CCT/CCR30/36	925	395	700
CCS42	925	395	700

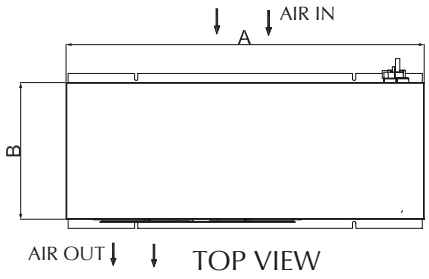
SIDE DISCHARGE MODEL

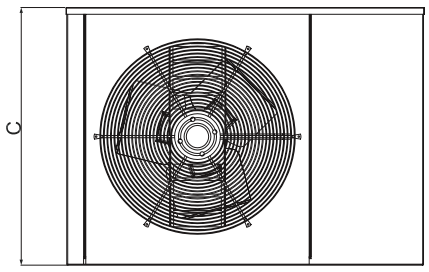




Model	DIM 'A' (mm)	DIM 'B' (mm)	DIM 'C' (mm)
CCS48/60	925	395	1150

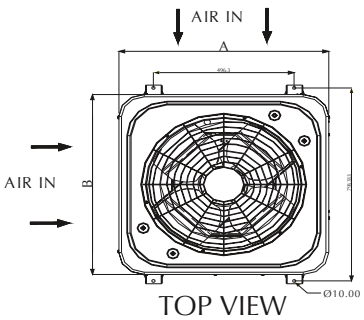
SIDE DISCHARGE MODEL

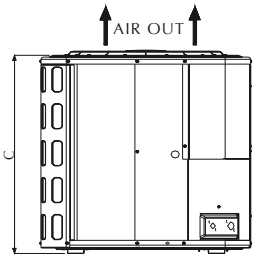




Model	DIM 'A' (mm)	DIM 'B' (mm)	DIM 'C' (mm)
3CCS72	1314	497	946

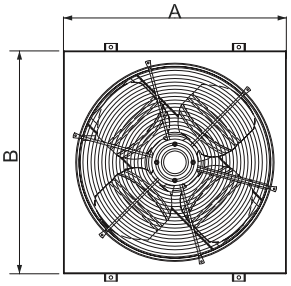
TOP DISCHARGE MODEL

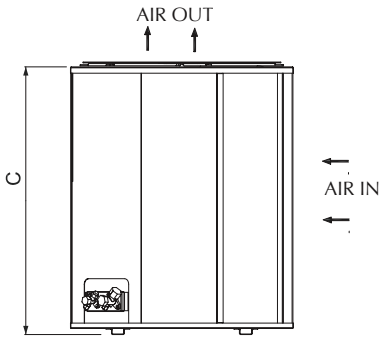




Model	DIM 'A' (mm)	DIM 'B' (mm)	DIM 'C' (mm)
3OND18/24/30/36	635	635	700
3OND42/48	635	635	750

TOP DISCHARGE MODEL





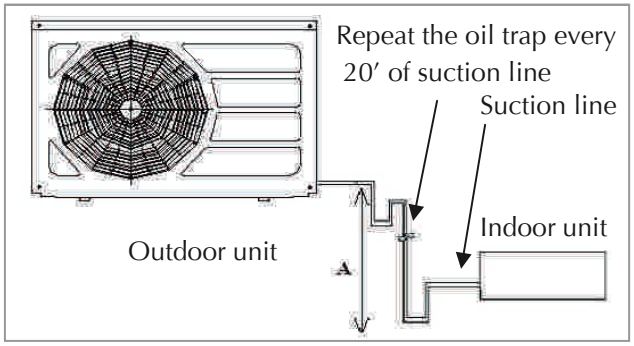
Model	DIM 'A' (mm)	DIM 'B' (mm)	DIM 'C' (mm)
30DD60/72	765	765	830

PIPE WORK ELEVATION

The following guide lines may be adhered to for the installation of piping.

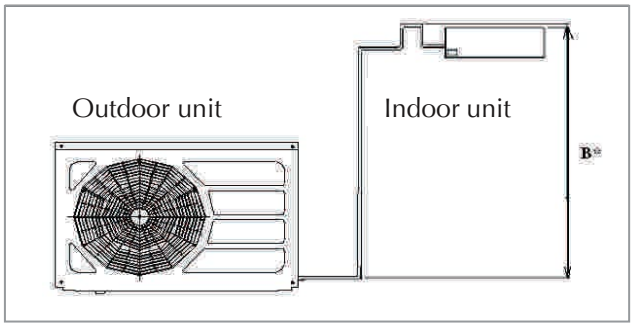
CASE 1: Outdoor unit is above the indoor unit

Model	12	18	24	30	36	42	48	60	72	-
Elevation "A" Verticle) In Mtr.	25	30	30	30	30	30	35	35	35	
Total Max. pipe (Vert + Horiz.)	35	40	40	40	40	40	45	45	45	
Performance with respect to V+H pipe length	- 7 . 5 %			-8.0 %						

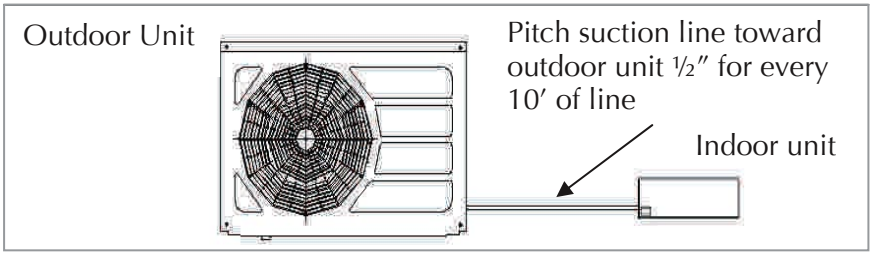


CASE 2: Outdoor unit is below the indoor unit

Model	12	18	24	30	36	42	48	60	70	-
Elevation "B " (Max) in Mtr.	15	15	15	15	15	20	20	20	20	-



CASE 3: Outdoor unit is at same level of the indoor unit



The recommended pipe sizes for different lengths are shown below:

MODELS		WEDN12 CVT12	WEDN18 CCR18 3OND18	WEDN24 WESN24 CCR24 3OND24	WEDN30 WESN30 CCR30 3OND30	WEDN36 WESN36 CCR36 3OND36	WESN42 CCS42 3OND42	WESN48 CCS48 3OND48	WESN60 CCS60 3ODD60	WESN72 3CCS72 3ODD72
LIQUID LINE	Std.Length	7.5m								
	7.5m	1/4"				½"				5/8"
	15m	1/4"				½"				5/8"
	25m	1/4"			3/8"	½"				5/8"
	30m	1/4"			3/8"	½"				5/8"
	50m	Not Recommended						5/8"		
SUCTION LINE	Std.Length	7.5m								
	7.5m	1/2"		5/8"		3/4"		7/8"		11/8"
	15m	1/2"	5/8"			3/4"		7/8"		11/8"
	25m	½"	5/8"			7/8"				11/8"
	30m	5/8"				7/8"				11/8"
	50m	Not Recommended						7/8"		11/8"

IMPORTANT NOTE:

Out door units are pre-charged with refrigerant gas for Inter connecting pipe work installations up to 5 meters.

For every additional meter of pipe length add refrigerant as: mentioned in the table.

For High rise elevation, recommend to select Reciprocating compressor.

- 10 grams/mtr of R-22 charge for size 3/8" liquid line
- 20 grams/mtr of R-22 charge for size ½" liquid line:
- 25 grams/mtr of R-22 charge for size 5/8" liquid line

UNIT SPECIFICATIONS

ENGINEERING SPECS: INDOOR & OUTDOOR 50HZ UNITS

INDOOR UNIT	DUCTED	UNIT	WESN24	WESN30	WESN36	WESN42	WESN48	WESN60	WESN72
OUTDOOR UNIT	SIDE DISCHARGE		CCT/CCR24	CCT/CCR30	CCT*/CCR36	CCS**/CCR42	CCS/CCR48	CCS/CCR60	3CCS72
	TOP DISCHARGE		3OND024	3OND030	3OND036	3OND042	3OND048	3OND060	3OND072
NOMINAL CAPACITY	COOLING	Btu/Hr	24000	30000	36000	42000	48000	60000	72000
	HEATING	Btu/Hr	24240	30300	36360	42420	48480	60600	72720
POWER INPUT	COOLING	KW	2.86	3.60	4.26	4.99	5.67	7.12	8.48
	HEATING	KW	2.84	3.57	4.22	4.94	5.62	7.05	8.40
CURRENT (1Ph / 3Ph)	COOLING	A	13.7	17.1	20.3 / 6.7	23.9 / 7.9	9	11.2	13.4
	HEATING	A	13.4	16.8	19.9 / 6.6	23.4 / 7.8	8.8	11.0	13.1
POWER SUPPLY		V/Ph/Hz	220-2402/ /50	20-240/1/50	220 - 240/1/50				
				380-420/3/50	220 - 240/1/50	380-420/3/50	380-420/3/50	380-420/3/50	380 - 420/3/50
POWER FACTOR		cos	0.912	0.915	0.913	0.907	0.912	0.914	0.915
REFRIGERANT			R22						
EXPANSION DEVICE			CAPILLARY/FLOW CHECK VALVE		FLOW CHECK VALVE				
SYSTEM CONTROL			WIRED REMOTE CONTROLLER						
PIPING	LIQUID LINE	inch	1/4	1/4	1/2	1/2	1/2	1/2	5/8
	SUCTION LINE	inch	5/8	5/8	3/4	3/4	3/4	7/8	1 1/8
	DRAIN	inch	1	1	1	1	1	1	1
INDOOR UNIT — ELECTRICAL DATA	POWER SUPPLY	V/Ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
	POWER INPUT	W	350	370	400	430	460	700	850
	CURRENT	A	1.6	1.7	1.8	2.1	2.3	3.1	3.6
AIR FLOW	H / M / L	CFM	720/650/580	950/830/720	1200/1090/1010	1450/1330/1250	1650/1520/1450	1800/1630/1560	2050/1800/1710
SOUND LEVEL	H / M / L	dbA	49 / 47 / 45	50 / 48 / 46	51 / 49 / 47	52 / 50 / 48	54 / 52 / 50	56 / 54 / 52	57 / 55 / 53
DIMENSION	W / D / H	mm	1025 / 560 / 285	1025 / 560 / 285	1100 / 657 / 378	1100 / 657 / 378	1100 / 657 / 378	1200 / 690 / 435	1200 / 690 / 435
WEIGHT		KG	38	38	69	73	73	81	81
FILTER TYPE	WASHABLE SYNTHETIC FILTER								
MOTOR	QUANTITY	NO.	1	1	1	1	1	1	1
	PROTECTION	AUTO RESET THERMAL OVERLOAD							
FAN	TYPE	DOUBLE INLET DIRECT DRIVE CENTRIFUGAL BLOWER							
	QUANTITY		NO.	2	2	2	2	2	22
COIL	FACE AREA	SQ. FT.	1.83	1.83	3.26	3.69	3.69	4.67	4.67
	TUBE MATERIAL	COPPER							
FINS	MATERIAL	ALUMINIUM							
	FINS PER INCH	NO.	15	15	16	14	14	14	14
OUTDOOR UNIT — ELECTRICAL DATA	POWER SUPPLY	V/Ph /Hz	220 240/1/50	220-240/1/50	220 - 240/1/50 380-420/3/50	220-240/1/50 380-420/3/50	380-420/3/50	380-420/3/50	380-420/3/50
	POWER INPUT	KW	2.51	3.23	3.86	4.56	5.21	6.42	7.63
	CURRENT(1Ph/3Ph)	A	12.1	15.4	18.5 / 6.1	21.8 / 7.2	8.2	10.2	12.2
DIMENSION (W/D/H)	SIDE DISCHARGE	mm	870 / 320 / 650	925 / 395 / 700	925 / 395 / 700	925 / 395 / 700	925 / 395 / 1150	925 / 395 / 1150	1314 / 487 / 946
TOP DISCHARGE		mm	635 / 635 / 700	635 / 635 / 700	635 / 635 / 700	635 / 635 / 750	635 / 635 / 750	765 / 765 / 830	765 / 765 / 830
WEIGHT	SIDE DISCHARGE	KG	63	65	76	81	109	109	150
	TOP DISCHARGE	KG	63	63	71	74	90	136	145
COMPRESSOR	TYPE		ROTARY / RECIP				SCROLL / RECIP		SCROLL
	QUANTITY		NO.	1	1	1	1	1	11
	PROTECTION	AUTO RESET THERMAL OVERLOAD							
MOTOR	QUANTITY	NO.	1	1	1	1	1	1	1
	PROTECTION	AUTO RESET THERMAL OVERLOAD							
FAN	TYPE	DIRECT DRIVE PROPELLER							
(SIDE/TOP DISCHARGE)	QUANTITY	NO.	1 / 1.	1 / 1.	1 / 1.	1 / 1.	1 / 1.	1 / 1.	1 / 1.
COIL	FACE AREA	SQ. FT.	5.41	7.13	7.13	7.13	12.50	12.50	13.30
(SIDE DISCHARGE)	TUBE MATERIAL	COPPER							
FINS	MATERIAL	ALUMINIUM							
	FINS PER INCH	NO.	16	16	16	16	16	16	16
COIL	FACE AREA	SQ. FT.	9.21	9.21	9.21	12.52	12.52	16.36	16.36
	TUBE MATERIAL	COPPER							
FINS	MATERIAL	ALUMINIUM							
	FINS PER INCH	NO.	16	16	16	16	16	14	14

Nominal Cooling capacity is based on 80°F Dry bulb / 67°F Wet bulb indoor and 95°F Dry bulb outdoor conditions. Nominal Heating capacity is based on 44.6°F Dry bulb / 42.8°F Wet bulb outdoor and 68°F Dry bulb indoor conditions. Sound level is measured at 3 mtr distance with supply and return ducting.
* CCT36 - only single phase models available. ** CCS42 - only three phase models available.

ENGINEERING SPECS: INDOOR & OUTDOOR 50HZ UNITS

INDOOR UNIT		DUCTED		UNIT	WEDN12	WEDN18	WEDN24	WEDN30	WEDN36
OUTDOOR UNIT		SIDE DISCHARGE			CVT12	CCT/CCR18	CCT/CCR24	CCT/CCR30	CCT*1/CCR36
		TOP DISCHARGE			..	3OND018	3OND024	3OND030	3OND036
NOMINAL CAPACITY		COOLING		Btu/Hr	12000	18000	24000	30000	36000
		HEATING		Btu/Hr	12120	18180	24240	30300	36360
POWER INPUT		COOLING		KW	1.44	2.16	2.86	3.60	4.26
		HEATING		KW	1.43	2.14	2.84	3.57	4.22
CURRENT (1Ph / 3Ph)		COOLING		A	6.9	10.3	13.7	17.1	20.4 / 6.8
		HEATING		A	6.8	10.1	13.4	16.8	20.0 / 6.7
POWER SUPPLY				V / Ph / Hz	220-240/1/50	220-24 /1/50	220-240/1/50	220-240/ /50	220-240/1/50
									380-420/3/50
POWER FACTOR				cos	0.906	0.911	0.912	0.915	0.908
REFRIGERANT		R22							
EXPANSION DEVICE		CAPILLARY / FLOW CHECK VALVE							
SYSTEM CONTROL		WIRED REMOTE CONTROLLER							
PIPING		LIQUID LINE		inch	1/4	1/4	1/4	1/4	1/2
		SUCTION LINE		inch	1/2	1/2	5/8	5/8	3/4
		DRAIN		inch	1	1	1	1	1
INDOOR UNIT	ELECTICAL DATA	POWER SUPPLY		V / Ph / Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50	220 - 240 / 1 / 50	220 - 240 / 1 / 50	220 - 240 / 1 / 50
		POWER INPUT		W	90	140	210	220	235
		CURRENT		A	0.4	0.6	0.9	1.0	1.1
	AIR FLOW	H / M / L		CFM	380 / 340 / 300	480 / 430 / 380	700 / 640 / 600	900 / 810 / 700	960 / 870 / 810
	SOUND LEVEL	H / M / L		dbA	41 / 40 / 39	43 / 42 / 41	46 / 44 / 43	48 / 46 / 44	50 / 48 / 46
	DIMENSION	W / D / H		mm	800 / 450 / 220	800 / 450 / 220	1025 / 469 / 245	1025 / 469 / 245	1255 / 469 / 245
	WEIGHT			KG	20	20	23	23	28
	FILTER TYPE	WASHABLE SYNTHETIC FILTER							
	MOTOR	QUANTITY		NO.	1	1	1	1	1
		PROTECTION	AUTO RESET THERMAL OVERLOAD						
	FAN	TYPE	DOUBLE INLET DIRECT DRIVE CENTIFUGAL BLOWER						
		QUANTITY		NO.	2	2	2	2	2
	COIL	FACE AREA		SQ. FT.	1.39	1.39	1.83	1.83	2.34
		TUBE MATERIAL	COPPER						
		FINS	MATERIAL	ALUMINIUM					
		FINS	FINS PER INCH	NO.	16	16	16	16	14
OUT DOOR UNIT	ELECTICAL DATA	POWER SUPPLY		V / Ph / Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50 380-420/3/50
		POWER INPUT		KW	1.35	2.02	2.65	3.38	4.03
		CURRENT (1Ph / 3Ph)		A	6.5	9.7	12.8	16.1	19.3 / 6.4
	DIMENSION (W / D / H)	SIDE DISCHARGE		mm	733 / 267 / 492	870 / 320 / 650	870 / 320 / 650	925 / 395 / 700	925 / 395 / 700
		TOP DISCHARGE		mm	..	635 / 635 / 700	635 / 635 / 700	635 / 635 / 700	635 / 635 / 700
	WEIGHT	SIDE DISCHARGE		KG	40	61	63	65	76
		TOP DISCHARGE		KG	..	61	63	63	71
	COMPRESSOR	TYPE			ROTARY	ROTARY / RECIP			
		QUANTITY			NO.	1	1	1	11
		PROTECTION	AUTO RESET THERMAL OVERLOAD						
	MOTOR	QUANTITY		NO.	1	1	1	1	1
		PROTECTION	AUTO RESET THERMAL OVERLOAD						
	FAN	TYPE	DIRECT DRIVE PROPELLER						
	(SIDE / TOP DISCHARGE)	QUANTITY		NO.	1 / 1.	1 / 1.	1 / 1.	1 / 1.	1 / 1.
	COIL	FACE AREA		SQ. FT.	2.84	5.41	5.41	7.13	7.13
	(SIDE DISCHARGE)	TUBE MATERIAL	COPPER						
	FINS	FINS	MATERIAL	ALUMINIUM					
		FINS	FINS PER INCH	NO.	16	16	16	16	16
	COIL	FACE AREA		SQ. FT.	..	9.21	9.21	9.21	9.21
		TUBE MATERIAL			..	COPPER			
	FINS	FINS	MATERIAL		..	ALUMINIUM			
		FINS	FINS PER INCH	NO.	..	16	16	16	16

Nominal Cooling capacity is based on 80°F Dry bulb / 67°F Wet bulb indoor and 95°F Dry bulb outdoor conditions. Nominal Heating capacity is dased on 44.6°F Dry bulb / 42.8°F Wet bulb outdoor and 68°F Dry bulb indoor conditions. Sound level is measured at 3 mtr distance with supply and return ducting. *1 CCT36 - only single phase models available.

ELECRICAL DATA FOR INDOOR & OUTDOOR 50HZ UNITS

ELECTRICAL DATA - WEDN SERIES - SINGLE PHASE- 50HZ UNITS

MODEL	V - PH -HZ	OPERATING VOLTAGE		BLOWER MOTOR			ELECTRICAL HEATER			MCA	MOCP
		MIN	MAX	HP	FLA	QTY	KW	AMPS	QTY	AMPS	AMPS
WEDN12SC	208-230 / 1 / 60	187	253	1/12	0.3	1	NIL	NIL	NIL	5.0	5.0
WEDN18SC	208-230 / 1 / 60	187	253	1/12	0.3	1	NIL	NIL	NIL	5.0	5.0
WEDN24SC	208-230 / 1 / 60	187	253	1/5	0.5	1	NIL	NIL	NIL	5.0	5.0
WEDN30SC	208-230 / 1 / 60	187	253	1/5	0.5	1	NIL	NIL	NIL	5.0	5.0
WEDN36SC	208-230 / 1 / 60	187	253	1/2	1.6	1	NIL	NIL	NIL	5.0	5.0

ELECTRICAL DATA - WESN SERIES- SINGLE PHASE- 50HZ UNITS

MODEL	V - PH -HZ	OPERATING VOLTAGE		BLOWER MOTOR			ELECTRICAL HEATER			MCA	MOCP
		MIN	MAX	HP	FLA	QTY	KW	AMPS	QTY	AMPS	AMPS
WESN24SC	208-230 / 1 / 60	187	253	1/5	0.5	1	NIL	NIL	NIL	5.0	5.0
WESN30SC	208-230 / 1 / 60	187	253	1/5	0.5	1	NIL	NIL	NIL	5.0	5.0
WESN36SC	208-230 / 1 / 60	187	253	1/2	1.6	1	NIL	NIL	NIL	5.0	5.0
WESN42SC	208-230 / 1 / 60	187	253	1/2	2.0	1	NIL	NIL	NIL	5.0	5.0
WESN48SC	208-230 / 1 / 60	187	253	1/2	2.0	1	NIL	NIL	NIL	5.0	5.0
WESN60SC	208-230 / 1 / 60	187	253	1	2.7	1	NIL	NIL	NIL	5.0	10.0
WESN72SC	208-230 / 1 / 60	187	253	1	3.1	1	NIL	NIL	NIL	5.0	10.0

ELECTRICAL DATA - SIDE DISCHARGE - SINGLE PHASE- 50HZ UNITS

MODEL	V - PH -HZ	OPERATING VOLTAGE		COMPRESSOR			CONDENSER MOTOR			MCA	MOCP
		MIN	MAX	RLA	LRA	QTY	HP	FLA	QTY	AMPS	AMPS
CVT12SC	208-230 / 1 / 60	187	253	4.6	37	1	1/12	0.7	1	6.5	15
CCT/CCR18SC	208-230 / 1 / 60	187	253	6.5	51	1	1/12	0.7	1	8.9	15
CCT/CCR24SC	208-230 / 1 / 60	187	253	9.9	58	1	1/12	0.7	1	13.1	25
CCT/CCR30SC	208-230 / 1 / 60	187	253	11.2	85	1	1/3	1.6	1	15.6	30
CCT/CCR36SC	208-230 / 1 / 60	187	253	12.5	85	1	1/3	1.6	1	17.3	30
CCR42SC	208-230 / 1 / 60	187	253	14.1	105	1	1/3	1.6	1	19.3	40

ELECTRICAL DATA - SIDE DISCHARGE- THREE PHASE- 50HZ UNITS

MODEL	V - PH -HZ	OPERATING VOLTAGE		COMPRESSOR			CONDENSER MOTOR			MCA	MOCP
		MIN	MAX	RLA	LRA	QTY	HP	FLA	QTY	AMPS	AMPS
CCR36TC	208-230 / 3 / 60	187	253	11.1	78	1	1/3	1.6	1	15.4	25
CCR42TC	208-230 / 3 / 60	187	253	11.7	78	1	1/3	1.6	1	16.0	25
CCR48TC	208-230 / 3 / 60	187	253	18.0	107	1	1/12	0.7	2	23.9	40
CCR60TC	208-230 / 3 / 60	187	253	21.4	130	1	1/12	0.7	2	28.1	50
CCD72TC	208-230 / 3 / 60	187	253	25.3	155	1	1/12	0.7	2	33.0	60

ELECTRICAL DATA - SIDE DISCHARGE- THREE PHASE- 50HZ UNITS

MODEL	V - PH -HZ	OPERATING VOLTAGE		COMPRESSOR			CONDENSER MOTOR			MCA	MOCP
		MIN	MAX	RLA	LRA	QTY	HP	FLA	QTY	AMPS	AMPS
CCR36EC	380 / 3 / 60	342	418	4.5	53	1	1/4	1.6	1	7.3	15
CCR42EC	380 / 3 / 60	342	418	5.2	53	1	1/4	1.6	1	8.1	15
CCR48EC	380 / 3 / 60	342	418	6.4	62	1	1/12	0.7	2	9.4	20
CCR60EC	380 / 3 / 60	342	418	7.9	55	1	1/12	0.7	2	11.3	20
CCD72EC	380 / 3 / 60	342	418	10.1	91	1	1/12	0.7	2	14.1	25

ELECTRICAL DATA - SIDE DISCHARGE- SINGLE PHASE- 50HZ UNITS

MODEL	V - PH -HZ	OPERATING VOLTAGE		COMPRESSOR			CONDENSER MOTOR			MCA	MOCP
		MIN	MAX	RLA	LRA	QTY	HP	FLA	QTY	AMPS	AMPS
3OND018SC	208-230 / 1 / 60	187	253	6.5	51	1	1/3	1.6	1	9.8	15
3OND024SC	208-230 / 1 / 60	187	253	9.9	58	1	1/3	1.6	1	14.0	25
3OND030SC	208-230 / 1 / 60	187	253	11.2	85	1	1/3	1.6	1	15.6	30
3OND036SC	208-230 / 1 / 60	187	253	12.5	85	1	1/3	1.6	1	17.3	30
3OND042SC	208-230 / 1 / 60	187	253	14.1	105	1	1/3	1.6	1	19.3	40

ELECTRICAL DATA - SIDE DISCHARGE- THREE PHASE- 50HZ UNITS

MODEL	V - PH -HZ	OPERATING VOLTAGE		COMPRESSOR			CONDENSER MOTOR			MCA	MOCP
		MIN	MAX	RLA	LRA	QTY	HP	FLA	QTY	AMPS	AMPS
3OND36TC	208-230 / 3 / 60	187	253	11.1	78	1	1/3	1.6	1	15.4	25
3OND42TC	208-230 / 3 / 60	187	253	11.7	78	1	1/3	1.6	1	16.0	25
3OND48TC	208-230 / 3 / 60	187	253	18.0	107	1	1/3	1.6	1	24.1	40
3ODD60TC	208-230 / 3 / 60	187	253	21.4	130	1	1/3	1.6	1	28.3	50
3ODD72TC	208-230 / 3 / 60	187	253	25.3	155	1	1/2	2.9	1	34.5	60

ELECTRICAL DATA - SIDE DISCHARGE- THREE PHASE- 50HZ UNITS

MODEL	V - PH -HZ	OPERATING VOLTAGE		COMPRESSOR			CONDENSER MOTOR			MCA	MOCP
		MIN	MAX	RLA	LRA	QTY	HP	FLA	QTY	AMPS	AMPS
3OND036EC	380 / 3 / 60	342	418	4.5	53	1	1/4	1.6	1	7.3	15
3OND042EC	380 / 3 / 60	342	418	5.2	53	1	1/4	1.6	1	8.1	15
3OND048EC	380 / 3 / 60	342	418	6.4	62	1	1/4	1.6	1	9.6	20
3ODD060EC	380 / 3 / 60	342	418	7.9	55	1	1/4	1.6	1	11.5	20
3ODD072EC	380 / 3 / 60	342	418	10.1	91	1	1/4	1.6	1	14.3	25

UNIT SPECIFICATIONS

COOLING PERFORMANCE DATA FOR 50HZ UNITS

MODEL : WEDN12 + CVT12 - 50HZ										
CONDENSER ENTERING AIR TEMPERATURE (°F)		EVAPORATOR AIR FLOW (CFM)								
		300			340			380		
		EVAPORATOR ENTERING AIR WET BULB TEMPERATURE (°F)								
		62	67	72	62	67	72	62	67	72
85	TC	11431	12703	13973	11785	12962	14258	11904	13226	14549
	SC	7372	8674	9195	7600	8851	9382	7677	9032	9574
	KW	1.16	1.28	1.35	1.19	1.31	1.38	1.20	1.34	1.40
95	TC	10392	11548	12703	10713	11784	12962	10822	12024	13226
	SC	6971	8107	8593	7187	8272	8769	7259	8441	8947
	KW	1.25	1.39	1.46	1.29	1.42	1.49	1.30	1.45	1.52
105	TC	9716	10796	11876	10016	11017	12118	10117	11242	12366
	SC	6630	7622	8079	6835	7777	8244	6904	7936	8412
	KW	1.30	1.44	1.52	1.34	1.47	1.55	1.35	1.50	1.58
115	TC	8989	9989	10988	9267	10193	11212	9361	10401	11441
	SC	6205	7052	7475	6397	7196	7628	6462	7343	7784
	KW	1.49	1.66	1.74	1.54	1.69	1.78	1.56	1.73	1.81
125	TC	8090	8990	9889	8341	9174	10091	8425	9361	10297
	SC	6029	6700	7102	6215	6836	7247	6278	6976	7394
	KW	1.57	1.74	1.83	1.62	1.78	1.87	1.63	1.81	1.91

MODEL : WEDN18 + CCT18 / CCR18 / 3OND 018 - 50HZ										
CONDENSER ENTERING AIR TEMPERATURE (°F)		EVAPORATOR AIR FLOW (CFM)								
		380			430			480		
		EVAPORATOR ENTERING AIR WET BULB TEMPERATURE (°F)								
		62	67	72	62	67	72	62	67	72
85	TC	17147	19054	20959	17677	19443	21387	17856	19840	21824
	SC	11058	13011	13791	11400	13276	14073	11515	13547	14360
	KW	1.73	1.92	2.02	1.78	1.96	2.06	1.80	2.00	2.10
95	TC	15588	17322	19054	16070	17675	19443	16232	18036	19840
	SC	10456	12160	12889	10780	12408	13152	10888	12661	13421
	KW	1.87	2.07	2.18	1.92	2.12	2.22	1.94	2.16	2.27
105	TC	14574	16195	17814	15024	16525	18178	15176	16862	18548
	SC	9945	11432	12118	10253	11666	12366	10356	11904	12618
	KW	1.94	2.16	2.27	2.00	2.20	2.31	2.02	2.25	2.36
115	TC	13483	14983	16482	13900	15289	16818	14041	15601	17161
	SC	9308	10578	11213	9595	10794	11441	9692	11014	11675
	KW	2.23	2.48	2.60	2.30	2.53	2.65	2.32	2.58	2.71
125	TC	12135	13485	14833	12510	13760	15136	12637	14041	15445
	SC	9043	10049	10652	9323	10254	10869	9417	10463	11091
	KW	2.34	2.60	2.73	2.41	2.65	2.79	2.44	2.71	2.84

Legend : KW - Total power input in kilowatt (Compressor + Condenser motor + Blower motor)
TC - Gross total cooling capacity in BTU/hr. SC - Gross sensible cooling capacity in BTU/hr. BF - Bypass Factor.

Note : The above ratings are based on 80°F indoor air dry bulb temperature. At any other temperature, correct the SC from above table as follows:
corrected SC = SC + [1.08 x CFM (1-BF) x (DBT-80)]

UNIT SPECIFICATIONS

COOLING PERFORMANCE DATA FOR 50HZ UNITS

MODEL : WEDN24 + CCT24/CCR24/3OND024 - 50HZ										
CONDENSER ENTERING AIR TEMPERATURE (°F)		EVAPORATOR AIR FLOW (CFM)								
		600			640			700		
		EVAPORATOR ENTERING AIR WET BULB TEMPERATURE (°F)								
		62	67	72	62	67	72	62	67	72
85	TC	22862	25405	27946	23569	25924	28516	23808	26453	29098
	SC	14745	17348	18389	15201	17702	18765	15354	18064	19148
	KW	2.30	2.55	2.68	2.37	2.60	2.73	2.39	2.66	2.79
95	TC	20784	23096	25405	21427	23567	25924	21643	24048	26453
	SC	13942	16213	17186	14373	16544	17537	14519	16882	17895
	KW	2.48	2.76	2.89	2.56	2.81	2.95	2.58	2.87	3.01
105	TC	19431	21593	23752	20032	22033	24237	20235	22483	24731
	SC	13261	15244	16158	13671	15555	16488	13809	15872	16825
	KW	2.58	2.87	3.01	2.66	2.93	3.07	2.69	2.99	3.14
115	TC	17979	19978	21976	18535	20386	22425	18722	20802	22882
	SC	12411	14104	14951	12794	14392	15256	12924	14686	15567
	KW	2.96	3.29	3.45	3.05	3.35	3.52	3.08	3.42	3.59
125	TC	16181	17980	19778	16681	18347	20182	16850	18722	20594
	SC	12058	13399	14203	12431	13673	14493	12557	13952	14789
	KW	3.10	3.45	3.62	3.20	3.52	3.70	3.23	3.59	3.77

MODEL : WEDN30 + CCT30 / CCR30 / 3OND 030 - 50HZ										
CONDENSER ENTERING AIR TEMPERATURE (°F)		EVAPORATOR AIR FLOW (CFM)								
		700			810			900		
		EVAPORATOR ENTERING AIR WET BULB TEMPERATURE (°F)								
		62	67	72	62	67	72	62	67	72
85	TC	28578	31757	34932	29462	32405	35645	29759	33066	36373
	SC	18430	21685	22986	19000	22128	23455	19192	22579	23934
	KW	2.89	3.21	3.37	2.98	3.27	3.44	3.01	3.34	3.51
95	TC	25980	28870	31757	26783	29459	32405	27054	30060	33066
	SC	17427	20266	21482	17966	20680	21921	18148	21102	22368
	KW	3.12	3.47	3.64	3.22	3.54	3.71	3.25	3.61	3.79
105	TC	24289	26991	29690	25040	27542	30296	25293	28104	30914
	SC	16575	19054	20197	17088	19443	20610	17261	19840	21030
	KW	3.25	3.61	3.79	3.35	3.68	3.87	3.38	3.76	3.94
115	TC	22473	24972	27470	23168	25482	28030	23402	26002	28602
	SC	15513	17630	18688	15993	17990	19069	16154	18357	19458
	KW	3.73	4.14	4.35	3.84	4.23	4.44	3.88	4.31	4.53
125	TC	20225	22475	24723	20851	22934	25227	21062	23402	25742
	SC	15072	16749	17753	15538	17090	18116	15695	17439	18485
	KW	3.91	4.35	4.57	4.03	4.44	4.66	4.07	4.53	4.75

Legend : KW - Total power input in kilowatt (Compressor + Condenser motor + Blower motor)
TC - Gross total cooling capacity in BTU/hr. SC - Gross sensible cooling capacity in BTU/hr. BF - Bypass Factor.

Note : The above ratings are based on 80°F indoor air dry bulb temperature. At any other temperature, correct the SC from above table as follows:
corrected SC = SC + [1.08 x CFM (1-BF) x (DBT°F-80)]

UNIT SPECIFICATIONS

COOLING PERFORMANCE DATA FOR 50HZ UNITS

MODEL : WEDN36 + CCT36/CCR36/3OND036 - 50HZ										
CONDENSER ENTERING AIR TEMPERATURE (°F)		EVAPORATOR AIR FLOW (CFM)								
		810			870			960		
		EVAPORATOR ENTERING AIR WET BULB TEMPERATURE (°F)								
		62	67	72	62	67	72	62	67	72
85	TC	34294	38108	41919	35354	38886	42774	35711	39679	43647
	SC	22117	26023	27584	22801	26554	28147	23031	27096	28721
	KW	3.42	3.80	3.99	3.52	3.87	4.07	3.56	3.95	4.15
95	TC	31176	34644	38108	32140	35351	38886	32465	36072	39679
	SC	20913	24320	25779	21560	24817	26306	21778	25323	26842
	KW	3.69	4.10	4.30	3.80	4.18	4.39	3.84	4.27	4.48
105	TC	29147	32389	35628	30049	33050	36355	30352	33725	37097
	SC	19891	22865	24237	20506	23332	24732	20713	23808	25237
	KW	3.84	4.27	4.48	3.96	4.36	4.57	4.00	4.44	4.67
115	TC	26967	29966	32963	27801	30578	33636	28082	31202	34322
	SC	18616	21157	22426	19192	21588	22884	19386	22029	23351
	KW	4.39	4.87	5.12	4.52	4.97	5.22	4.57	5.07	5.33
125	TC	24270	26970	29667	25021	27520	30272	25274	28082	30890
	SC	18087	20099	21305	18646	20509	21740	18835	20928	22183
	KW	4.60	5.12	5.37	4.75	5.22	5.48	4.79	5.33	5.59

MODEL : WESN24 + CCT24/CCR24/3OND024 - 50HZ										
CONDENSER ENTERING AIR TEMPERATURE (°F)		EVAPORATOR AIR FLOW (CFM)								
		580			650			720		
		EVAPORATOR ENTERING AIR WET BULB TEMPERATURE (°F)								
		62	67	72	62	67	72	62	67	72
85	TC	22874	25418	27960	23581	25937	28530	23819	26466	29113
	SC	14814	17431	18476	15273	17786	18854	15427	18149	19238
	KW	2.30	2.55	2.68	2.37	2.61	2.74	2.39	2.66	2.79
95	TC	20794	23107	25418	21437	23579	25937	21654	24060	26466
	SC	14008	16290	17268	14441	16623	17620	14587	16962	17980
	KW	2.48	2.76	2.90	2.56	2.81	2.95	2.58	2.87	3.01
105	TC	19441	21603	23764	20042	22044	24249	20245	22494	24744
	SC	13323	15316	16235	13735	15628	16566	13874	15947	16904
	KW	2.58	2.87	3.01	2.66	2.93	3.08	2.69	2.99	3.14
115	TC	17987	19988	21987	18543	20396	22435	18731	20812	22893
	SC	12470	14172	15022	12855	14461	15329	12985	14756	15641
	KW	2.96	3.29	3.45	3.05	3.35	3.52	3.08	3.42	3.59
125	TC	16188	17989	19788	16689	18356	20192	16858	18731	20604
	SC	12116	13463	14271	12490	13738	14562	12616	14018	14859
	KW	3.11	3.45	3.62	3.20	3.52	3.70	3.23	3.59	3.77

Legend : KW - Total power input in kilowatt (Compressor + Condenser motor + Blower motor)
TC - Gross total cooling capacity in BTU/hr. SC - Gross sensible cooling capacity in BTU/hr. BF - Bypass Factor.

Note : The above ratings are based on 80°F indoor air dry bulb temperature. At any other temperature, correct the SC from above table as follows:
corrected SC = SC + [1.08 x CFM (1-BF) x (DBT°F-80)]

UNIT SPECIFICATIONS

COOLING PERFORMANCE DATA FOR 50HZ UNITS

MODEL : WESN30 + CCT30/CCR30/3OND030 - 50HZ										
CONDENSER ENTERING AIR TEMPERATURE (°F)		EVAPORATOR AIR FLOW (CFM)								
		720			830			950		
		EVAPORATOR ENTERING AIR WET BULB TEMPERATURE (°F)								
		62	67	72	62	67	72	62	67	72
85	TC	28592	31772	34950	29477	32421	35663	29774	33083	36391
	SC	18519	21789	23096	19091	22233	23567	19284	22687	24048
	KW	2.89	3.21	3.37	2.97	3.27	3.44	3.01	3.34	3.51
95	TC	25993	28884	31772	26797	29474	32421	27068	30075	33083
	SC	17511	20363	21585	18052	20779	22026	18235	21203	22475
	KW	3.12	3.46	3.64	3.21	3.53	3.71	3.25	3.61	3.79
105	TC	24301	27004	29705	25053	27555	30311	25306	28118	30930
	SC	16655	19145	20294	17170	19536	20708	17343	19935	21131
	KW	3.24	3.61	3.79	3.34	3.68	3.86	3.38	3.75	3.94
115	TC	22484	24985	27483	23179	25495	28044	23414	26015	28617
	SC	15587	17715	18777	16069	18076	19161	16232	18445	19552
	KW	3.72	4.14	4.34	3.84	4.22	4.43	3.88	4.31	4.52
125	TC	20236	22486	24735	20861	22945	25240	21072	23414	25755
	SC	15144	16829	17839	15613	17172	18203	15770	17523	18574
	KW	3.91	4.34	4.56	4.03	4.43	4.65	4.07	4.52	4.75

MODEL : WESN36 + CCT36/CCR36/3OND036 - 50HZ										
CONDENSER ENTERING AIR TEMPERATURE (°F)		EVAPORATOR AIR FLOW (CFM)								
		1010			1090			1200		
		EVAPORATOR ENTERING AIR WET BULB TEMPERATURE (°F)								
		62	67	72	62	67	72	62	67	72
85	TC	34311	38127	41940	35372	38905	42796	35729	39699	43669
	SC	22222	26146	27715	22909	26680	28280	23140	27224	28857
	KW	3.42	3.80	3.99	3.52	3.88	4.07	3.56	3.95	4.15
95	TC	31192	34661	38127	32156	35368	38905	32481	36090	39699
	SC	21012	24435	25902	21662	24934	26430	21881	25443	26970
	KW	3.69	4.10	4.31	3.81	4.19	4.39	3.84	4.27	4.48
105	TC	29162	32405	35646	30064	33067	36373	30367	33741	37115
	SC	19985	22974	24352	20603	23443	24849	20811	23921	25356
	KW	3.84	4.27	4.48	3.96	4.36	4.58	4.00	4.45	4.67
115	TC	26981	29982	32980	27815	30594	33653	28096	31218	34340
	SC	18704	21257	22532	19282	21690	22992	19477	22133	23461
	KW	4.39	4.87	5.12	4.52	4.97	5.22	4.57	5.08	5.33
125	TC	24283	26984	29682	25034	27534	30288	25287	28096	30906
	SC	18172	20194	21405	18734	20606	21842	18924	21026	22288
	KW	4.61	5.12	5.37	4.75	5.22	5.48	4.80	5.33	5.60

Legend : KW - Total power input in kilowatt (Compressor + Condenser motor + Blower motor)
TC - Gross total cooling capacity in BTU/hr. SC - Gross sensible cooling capacity in BTU/hr. BF - Bypass Factor.

Note : The above ratings are based on 80F indoor air dry bulb temperature. At any other temperature, correct the SC from above table as follows:
corrected SC = SC + [1.08 x CFM (1-BF) x (DBT-80)]

UNIT SPECIFICATIONS

COOLING PERFORMANCE DATA FOR 50HZ UNITS

MODEL : WESN42 + CCR42/CCS42/3OND042 - 50HZ										
CONDENSER ENTERING AIR TEMPERATURE (°F)		EVAPORATOR AIR FLOW (CFM)								
		1250			1330			1450		
		EVAPORATOR ENTERING AIR WET BULB TEMPERATURE (°F)								
		62	67	72	62	67	72	62	67	72
85	TC	40029	44481	48930	41267	45389	49928	41684	46316	50947
	SC	25926	30504	32334	26728	31127	32994	26998	31762	33668
	KW	4.00	4.45	4.67	4.13	4.54	4.76	4.17	4.63	4.86
95	TC	36390	40438	44481	37516	41263	45389	37895	42105	46316
	SC	24515	28509	30219	25273	29090	30836	25528	29684	31465
	KW	4.32	4.80	5.04	4.46	4.90	5.15	4.50	5.00	5.25
105	TC	34022	37806	41587	35074	38578	42435	35428	39365	43301
	SC	23316	26803	28411	24038	27350	28991	24280	27908	29583
	KW	4.50	5.00	5.25	4.64	5.10	5.36	4.69	5.21	5.47
115	TC	31478	34979	38477	32451	35693	39262	32779	36421	40063
	SC	21821	24799	26287	22496	25306	26824	22723	25822	27371
	KW	5.14	5.72	6.00	5.30	5.83	6.12	5.36	5.95	6.25
125	TC	28330	31481	34629	29206	32123	35336	29501	32779	36057
	SC	21201	23559	24973	21857	24040	25483	22078	24531	26003
	KW	5.40	6.00	6.30	5.57	6.12	6.43	5.62	6.25	6.56

MODEL : WESN48 + CCR48/CCS48/3OND048 - 50HZ										
CONDENSER ENTERING AIR TEMPERATURE (°F)		EVAPORATOR AIR FLOW (CFM)								
		1450			1520			1650		
		EVAPORATOR ENTERING AIR WET BULB TEMPERATURE (°F)								
		62	67	72	62	67	72	62	67	72
85	TC	45748	50836	55919	47162	51873	57061	47639	52932	58225
	SC	29630	34862	36954	30546	35574	37708	30855	36300	38478
	KW	4.55	5.05	5.30	4.69	5.15	5.41	4.73	5.26	5.52
95	TC	41589	46214	50836	42875	47158	51873	43308	48120	52932
	SC	28017	32582	34536	28884	33247	35241	29176	33925	35961
	KW	4.91	5.46	5.73	5.06	5.57	5.85	5.11	5.68	5.97
105	TC	38882	43207	47528	40085	44089	48498	40490	44988	49487
	SC	26648	30633	32471	27472	31258	33133	27749	31896	33809
	KW	5.11	5.68	5.96	5.27	5.80	6.09	5.32	5.91	6.21
115	TC	35974	39976	43973	37087	40792	44871	37462	41624	45786
	SC	24939	28342	30043	25710	28921	30656	25970	29511	31282
	KW	5.83	6.48	6.80	6.01	6.61	6.94	6.07	6.75	7.08
125	TC	32377	35978	39576	33378	36712	40384	33715	37462	41208
	SC	24230	26925	28541	24980	27475	29123	25232	28035	29718
	KW	6.12	6.80	7.14	6.31	6.94	7.29	6.37	7.08	7.44

Legend : KW - Total power input in kilowatt (Compressor + Condenser motor + Blower motor)
TC - Gross total cooling capacity in BTU/hr. SC - Gross sensible cooling capacity in BTU/hr. BF - Bypass Factor.

Note : The above ratings are based on 80f indoor air dry bulb temperature. At any other temperature, correct the SC from above table as follows:
corrected SC = SC + [1.08 x CFM (1-BF) x (DBTF-80)]

UNIT SPECIFICATIONS

COOLING PERFORMANCE DATA FOR 50HZ UNITS

MODEL : WESN60 + CCR60/CCS60/3OND060 - 50HZ										
CONDENSER ENTERING AIR TEMPERATURE (°F)		EVAPORATOR AIR FLOW (CFM)								
		1560			1630			1800		
		EVAPORATOR ENTERING AIR WET BULB TEMPERATURE (°F)								
		62	67	72	62	67	72	62	67	72
85	TC	57184	63545	69899	58953	64842	71326	59549	66165	72782
	SC	37037	43578	46192	38183	44467	47135	38568	45374	48097
	KW	5.71	6.34	6.66	5.89	6.47	6.80	5.95	6.61	6.94
95	TC	51986	57768	63545	53594	58947	64842	54135	60150	66165
	SC	35021	40727	43170	36104	41558	44051	36469	42406	44950
	KW	6.17	6.85	7.20	6.36	6.99	7.34	6.42	7.14	7.49
105	TC	48603	54009	59410	50106	55111	60622	50612	56236	61859
	SC	33309	38291	40588	34340	39072	41416	34686	39869	42262
	KW	6.42	7.13	7.49	6.62	7.28	7.64	6.68	7.43	7.80
115	TC	44968	49970	54967	46359	50989	56088	46827	52030	57233
	SC	31174	35428	37554	32138	36151	38320	32462	36889	39102
	KW	7.34	8.15	8.56	7.56	8.32	8.73	7.64	8.49	8.91
125	TC	40471	44973	49470	41723	45890	50480	42144	46827	51510
	SC	30288	33657	35676	31225	34344	36404	31540	35045	37147
	KW	7.70	8.56	8.99	7.94	8.73	9.17	8.02	8.91	9.36

MODEL : WESN72 + 3CCS72/3OND072 - 50HZ										
CONDENSER ENTERING AIR TEMPERATURE (°F)		EVAPORATOR AIR FLOW (CFM)								
		1710			1800			2050		
		EVAPORATOR ENTERING AIR WET BULB TEMPERATURE (°F)								
		62	67	72	62	67	72	62	67	72
85	TC	68621	76254	83879	70744	77810	85591	71458	79398	87338
	SC	44444	52293	55430	45819	53360	56562	46282	54449	57716
	KW	6.80	7.56	7.94	7.01	7.71	8.10	7.09	7.87	8.27
95	TC	62383	69322	76254	64312	70736	77810	64962	72180	79398
	SC	42025	48872	51804	43325	49869	52861	43763	50887	53940
	KW	7.35	8.17	8.57	7.58	8.33	8.75	7.65	8.50	8.93
105	TC	58323	64810	71291	60127	66133	72746	60734	67483	74231
	SC	39971	45949	48705	41207	46886	49699	41624	47843	50714
	KW	7.65	8.50	8.93	7.89	8.67	9.11	7.97	8.85	9.29
115	TC	53962	59964	65960	55630	61187	67306	56192	62436	68680
	SC	37408	42514	45065	38565	43382	45985	38955	44267	46923
	KW	8.72	9.69	10.17	8.99	9.89	10.38	9.08	10.09	10.59
125	TC	48565	53967	59364	50067	55069	60575	50573	56192	61812
	SC	36346	40388	42812	37470	41213	43685	37848	42054	44577
	KW	9.15	10.17	10.68	9.44	10.38	10.90	9.53	10.59	11.12

Legend : KW - Total power input in kilowatt (Compressor + Condenser motor + Blower motor)
TC - Gross total cooling capacity in BTU/hr. SC - Gross sensible cooling capacity in BTU/hr. BF - Bypass Factor.

Note : The above ratings are based on 80°F indoor air dry bulb temperature. At any other temperature, correct the SC from above table as follows:
corrected SC = SC + [1.08 x CFM (1-BF) x (DBT°F-80)]

UNIT SPECIFICATIONS

FAN PERFORMANCE DATA

MODEL WEDN12 - WEDN36 - 50HZ UNITS

External static pressure (inches wg.)							
MODELS	SPEED	0.05	0.1	0.15	0.2		
WEDN12	Low	364	340	316	289	....	....
	Med	417	390	363	332	....	....
	High	449	420	391	357	....	....
WEDN18	Low	556	520	484	442	....	....
	Med	621	580	539	493	....	....
	High	663	620	577	527	....	....
WEDN24	Low	770	720	670	612	....	....
	Med	835	780	725	663	....	....
	High	888	830	772	706	....	....
WEDN30	Low	942	880	818	748	....	....
	Med	1038	970	902	825	....	....
	High	1134	1060	986	901	....	....
WEDN36	Low	1124	1050	977	893	....	....
	Med	1263	1180	1097	1003	....	....
	High	1327	1240	1153	1054	....	....

MODEL WESN24 - WESN72 -50HZ UNITS

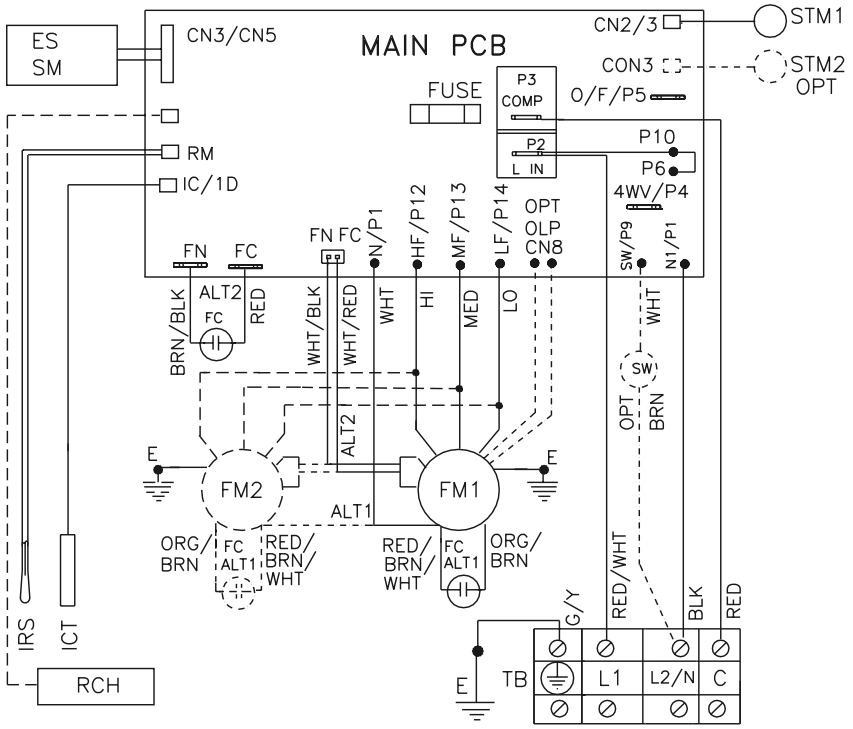
External static pressure (inches wg.)							
MODELS	SPEED	0.1	0.15	0.2	0.3	0.4	0.5
WESN24	Low	792	760	720	642	583	518
	Med	858	824	780	696	632	562
	High	913	876	830	740	672	598
WESN30	Low	968	929	880	785	713	634
	Med	1067	1024	970	865	786	698
	High	1166	1119	1060	946	859	763
WESN36	Low	1155	1109	1050	937	851	756
	Med	1298	1246	1180	1053	956	850
	High	1364	1309	1240	1106	1004	893
WESN42	Low	1353	1299	1230	1097	996	886
	Med	1496	1436	1360	1213	1102	979
	High	1595	1531	1450	1293	1175	1044
WESN48	Low	1562	1500	1420	1267	1150	1022
	Med	1705	1637	1550	1383	1256	1116
	High	1826	1753	1660	1481	1345	1195
WESN60	Low	2002	1922	1820	1623	1474	1310
	Med	2145	2059	1950	1739	1580	1404
	High	2266	2175	2060	1838	1669	1483
WESN72	Low	2420	2323	2200	1962	1782	1584
	Med	2607	2503	2370	2114	1920	1706
	High	2772	2661	2520	2248	2041	1814

Note

Above data includes the losses through wet coil and casing.

WIRING DIAGRAM - INDOOR UNITS

MODELS WEDN / WESN 12 - 72FC



Legend

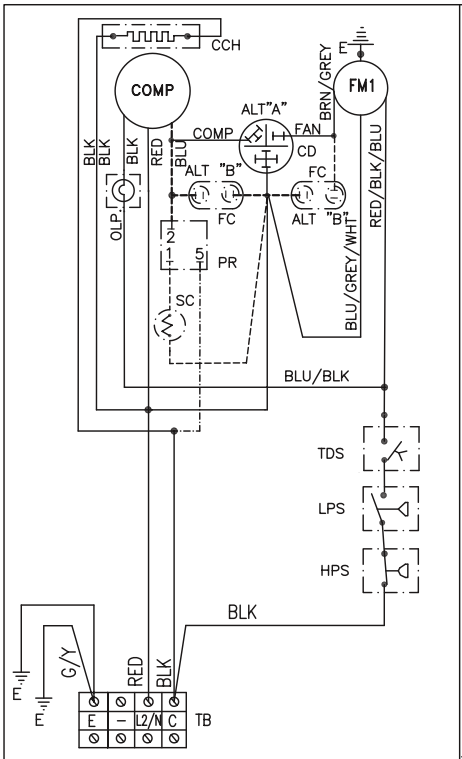
ALT1	=	STANDARD CAPACITOR WIRING
ALT2	=	CAP. WIRES THROUGH PCB
ES	=	EMERGENCY SWITCH
FC	=	FAN CAPACITOR
FM	=	FAN MOTOR
HI	=	HIGH
OPT	=	OPTIONAL FEATURE
OLP	=	OVER LOAD PROTECTION
O/F	=	OUTER FAN
ICT	=	INDOOR COIL THERMISTER
IRS	=	INDOOR ROOM SENSOR
LO	=	LOW
M	=	MEDIUM
N	=	NEUTRAL
RCH	=	REMOTE CONTROL HANDSET
SM	=	SENSOR MODULE
STM	=	STEPPING MOTOR
SW	=	AIR SWING MOTOR
TB	=	TERMINAL BLOCK
_ _	=	OPTONAL
------	=	FIELD WIRING
⏚	=	EARTHING
WHT	=	WHITE YEL = YELLOW
BLK	=	BLACK ORG = ORANGE
BLU	=	BLUE GRN = GREEN
RED	=	RED BRN = BROWN
G/Y	=	GREEN WITH YEL STRIPES

WIRING DIAGRAM
INDOOR UNIT (COOL)

400103	1BCO11420

WIRING DIAGRAM - OUTDOOR UNITS

MODELS CVT12 & CCT/ CCR18FC



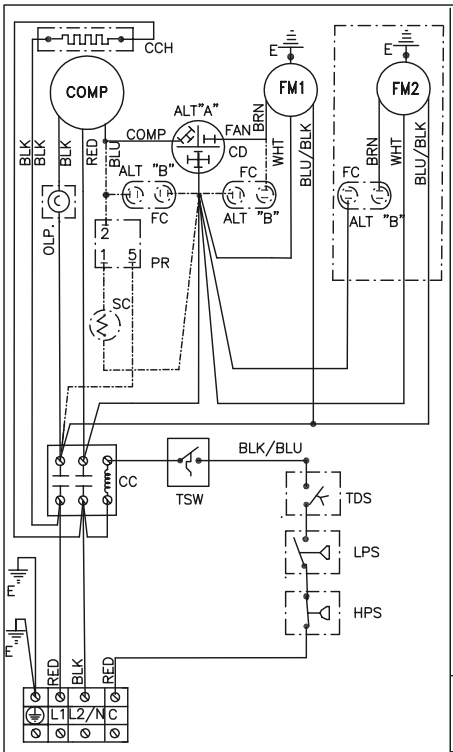
Legend

OLP	=	OVER LOAD PROTECTION
SC	=	START CAPACITOR / KIT
PR	=	POTENTIAL RELAY
CC	=	COMPR. CONTACTOR
CCH	=	CRANKCASE HEATER
COMP	=	COMPRESSOR
FC	=	FAN MOTOR CAPACITOR
FM	=	FAN MOTOR
HPS	=	HIGH PRESSURE SWITCH
TB	=	TERMINAL BLOCK
LPS	=	LOW PRESSURE SWITCH
N	=	NEUTRAL
OPT	=	OPTION
TDS	=	TIME DELAY SWITCH
4WV	=	FOUR WAY VALVE
_ _	=	OPTONAL
•	=	TERMINAL / SPLICE
____	=	FIELD WIRING
⏚	=	EARTHING
WHT	=	WHITE
BLK	=	BLACK
BLU	=	BLUE
YEL	=	YELLOW
G/Y	=	GREEN WITH YEL STRIPES
BRN	=	BROWN
ALT"A"	=	DUAL CAPACITOR
ALT"B"	=	SINGLE CAPACITOR

WIRING DIAGRAM
OUTDOOR UNIT (COOL)

400100	1BCO11415

MODELS CCT/CCR/3OND18 - 30FC



Legend

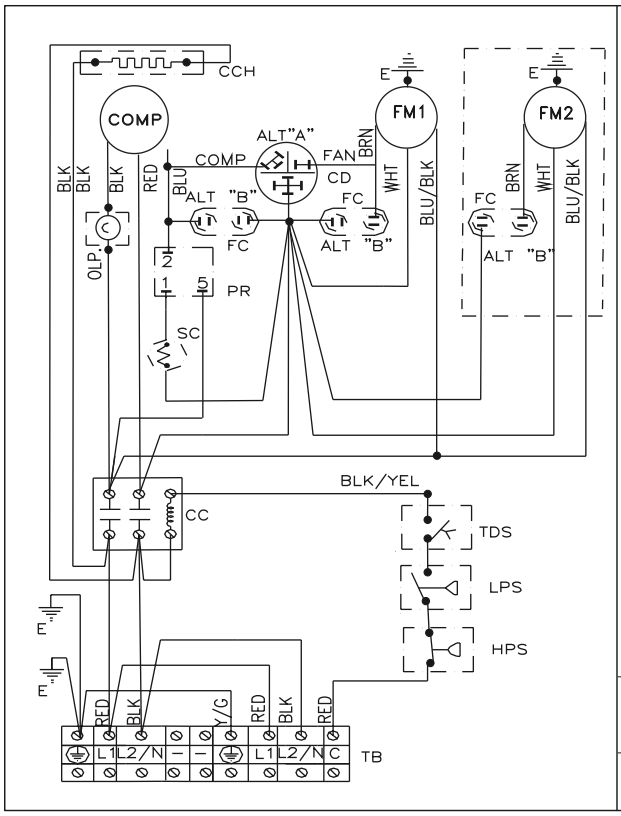
OLP	=	OVER LOAD PROTECTION
SC	=	START CAPACITOR / KIT
PR	=	POTENTIAL RELAY
CC	=	COMPR. CONTACTOR
CCH	=	CRANKCASE HEATER
COMP	=	COMPRESSOR
FC	=	FAN MOTOR CAPACITOR
FM	=	FAN MOTOR
HPS	=	HIGH PRESSURE SWITCH
TB	=	TERMINAL BLOCK
LPS	=	LOW PRESSURE SWITCH
N	=	NEUTRAL
OPT	=	OPTION
TDS	=	TIME DELAY SWITCH
TSW	=	THERMAL SWITCH WHERE APPLICABLE
4WV	=	FOUR WAY VALVE
_ _	=	OPTONAL
•	=	TERMINAL / SPLICE
____	=	FIELD WIRING
⏚	=	EARTHING
WHT	=	WHITE
BLK	=	BLACK
BLU	=	BLUE
YEL	=	YELLOW
G/Y	=	GREEN WITH YELLOW STRIPES
BRN	=	BROWN
ALT"A"	=	DUAL CAPACITOR
ALT"B"	=	SINGLE CAPACITOR

WIRING DIAGRAM
OUTDOOR UNIT (COOL)

400107	1BCO11423

WIRING DIAGRAM - OUTDOOR UNITS

MODEL CCT/CCR/3OND / 30DD036-042FC



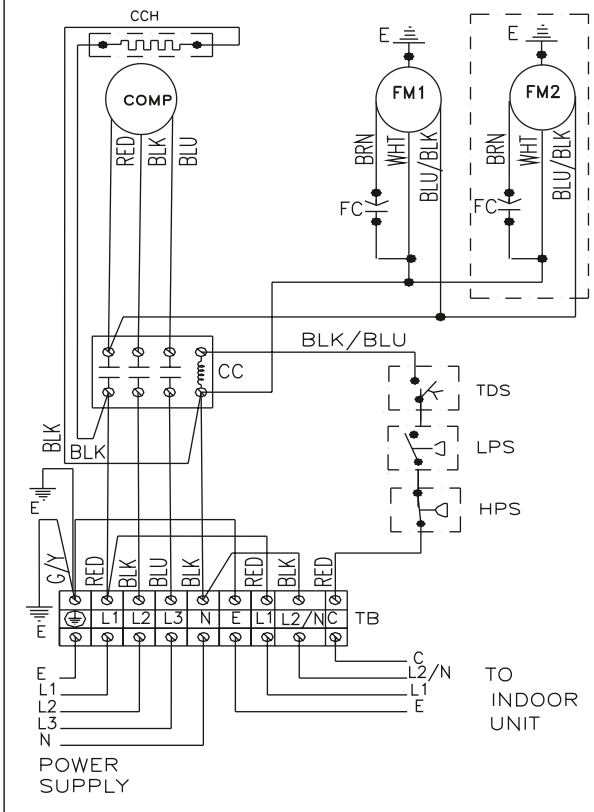
Legend

OLP	=	OVER LOAD PROTECTION
PR	=	POTGNTIAL RELAY
SC	=	START CAPACITOR / KIT
CC	=	OMPR. CONTACTOR
CCH	=	CRANKCASE HEATER
COMP	=	COMPRESSOR
FC	=	FAN MOTOR CAPACITOR
FM	=	FAN MOTOR
HPS	=	HIGH PRESSURE SWITCH
TB	=	TERMINAL BLOCK
LPS	=	LOW PRESSURE SWITCH
N	=	NEUTRAL
OPT	=	OPTION
TDS	=	TIME DELAY SWITCH
4WV	=	FOUR WAY VALVE
— —	=	OPTIONAL
●	=	TERMINAL / SPLICE
———	=	FIELD WIRING
⏚	=	EARTHING
WHT	=	WHITE
BLK	=	BLACK
BLU	=	BLUE
YEL	=	YELLOW
G/Y	=	GREEN WITH YEL STRIPES
BRN	=	BROWN
ALT A	=	DUAL CAPACITOR
ALT B	=	SINGLE CAPACITOR

WIRING DIAGRAM
OUTDOOR UNIT (COOL)

400098	1BCO11413	03

MODEL CCR/3OND / 30DD036 - 072GC



Legend

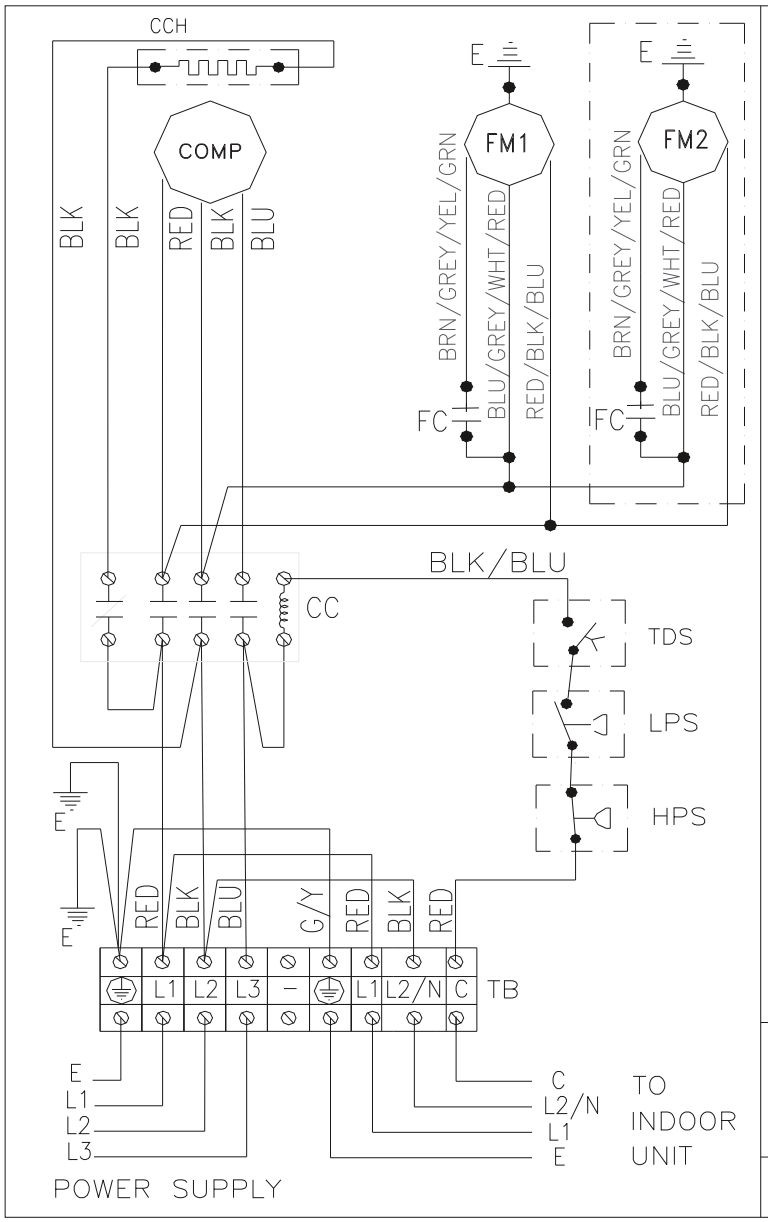
CC	=	COMPR. CONTACTOR
CCH	=	CRANKCASE HEATER
COMP	=	COMPRESSOR
FC	=	FAN MOTOR CAPACITOR
FM	=	FAN MOTOR
HPS	=	HIGH PRESSURE SWITCH
TB	=	TERMINAL BLOCK
LPS	=	LOW PRESSURE SWITCH
N	=	NEUTRAL
OPT	=	OPTION
TDS	=	TIME DELAY SWITCH
4WV	=	FOUR WAY VALVE
– –	=	OPTONAL
●	=	TERMINAL / SPLICE
———	=	FIELD WIRING
⏚	=	EARTHING
WHT	=	WHITE
BLK	=	BLACK
BLU	=	BLUE
RED	=	RED
YEL	=	YELLOW
G/Y	=	GREEN WITH YEL STRIPES
BRN	=	BROWN

WIRING DIAGRAM
OUTDOOR UNIT (COOL)

400096	1BCO11411	03

WIRING DIAGRAM - OUTDOOR UNITS

MODEL CCR/3OND / 30DD/CCD 036-072TC



Legend

CC	=	COMPR. CONTACTOR
CCH	=	CRANKCASE HEATER
COMP	=	COMPRESSOR
FC	=	FAN MOTOR CAPACITOR
FM	=	FAN MOTOR
HPS	=	HIGH PRESSURE SWITCH
TB	=	TERMINAL BLOCK
LPS	=	LOW PRESSURE SWITCH
N	=	NEUTRAL
OPT	=	OPTION
TDS	=	TIME DELAY SWITCH
4WV	=	FOUR WAY VALVE
– –	=	OPTONAL
•	=	TERMINAL / SPLICE
———	=	FIELD WIRING
⏚	=	EARTHING
WHT	=	WHITE
BLK	=	BLACK
BLU	=	BLUE
RED	=	RED
YEL	=	YELLOW
G/Y	=	GREEN WITH YEL STRIPES
BRN	=	BROWN

WIRING DIAGRAM
OUTDOOR UNIT (COOL)

400096	1BCO11409	04

Westair
Industries, Inc.

U.S.A.

Dallas, Texas TX 75374-0183
P.O. Box 740183
Phone: +214-361-2164
Fax: +214 361-2165
E-mail: info@westairind.com

U.A.E.

Dubai
P.O. Box 12954
Phone: +971-4 267 0909
Fax: +971-4 267 5747
E-mail: info@westairind.com

www.westairind.com

CATALOG # WEDN & WESN-04-15