

WALL HUNG DS SERIES SPLIT SYSTEM



Technical Selection Data

UNIT FEATURES

- Reverse Cycle Wall Hung Split System
- Mono and Multi Compatible Heads
- Single Rotary Inverter Compressor
- Superior Operating Range:
 - Cooling: up to 50°C DB
 - Heating: down to -15°C DB
- Adjustable Airflow
- 3D Multi-Directional Airflow
 - Up / Down Auto Swing
 - Left / Right Auto Swing
- Louvre Position Memory
- Fan Speed: Auto, Low, Medium and High
- Powder Coated Panels - Outdoor Unit
- Hydrophilic Indoor and Outdoor Coil Protection
- Self-Diagnosis and Auto Protection
- Fire Proof Electrical Box - Indoor and Outdoor Units
- Dehumidification Mode
- Super Ionizer Technology
- Intuitive Proximity Sensor
- R-32 low GWP Refrigerant
- UVC Device
- Built-In Wi-Fi
- I-Clean
- Demand Response Ready

UNIT OPTIONS

- Left or Right Hand Drain Connection
- Fault Alarm Output

CONTROL FEATURES - RC-02

- Digital Display
- Auto Restart After Power Failure
- Timer ON / OFF Operation
- Remote ON / OFF Input
- Manual ON / OFF Operation
- 12-speed Indoor Fan
- 5-speed Outdoor Fan
- Sleep Mode
- Boost Mode
- Quiet Operation
- Dry Mode Operation
- Auto Defrost Function
- Follow Me Function
- Mute Operation
- Self Clean Function

OPTIONALS

- WC-03 Wired Controller
- Multi-Function PCB (required when installing wired controller)

UNIT COMPLIANCE

- AS/NZS 3823.2 (MEPS)
- AS/NZS 3823.1.1
- AS/NZS 4755.3.1 (DRM 1, 2 and 3)
- AS/NZS CISPR 14.1 (EMC)
- IEC 60335.1 (ELECTRICAL APPLIANCE SAFETY)
- IEC 60335.2.40 (ELECTRICAL APPLIANCE SAFETY - AIR CONDITIONERS)

SPECIFICATION SUMMARY

Model Name		WRC-026DS / WRE-026DS	WRC-035DS / WRE-035DS	WRC-050DS / WRE-050DS	WRC-060DS / WRE-060DS	WRC-072DS / WRE-072DS	WRC-080DS / WRE-080DS	WRC-090DS / WRE-090DS
Operating Capacity	⁽¹⁾⁽²⁾ Cooling Capacity (kW)	2.63	3.50	5.05	6.00	7.20	8.00	9.00
	⁽¹⁾⁽²⁾ Cooling Capacity Range (kW)	1.00 ~ 3.83	0.93 ~ 3.90	1.74 ~ 6.39	1.74 ~ 6.39	2.96 ~ 8.56	2.85 ~ 8.56	2.80 ~ 9.38
	⁽¹⁾⁽³⁾ Heating Capacity (kW)	2.70	3.90	6.00	6.60	8.20	9.00	9.80
	⁽¹⁾⁽³⁾ Heating Capacity Range (kW)	1.14 ~ 3.95	0.97 ~ 4.34	1.95 ~ 6.90	1.95 ~ 6.90	2.54 ~ 9.20	2.52 ~ 9.20	3.10 ~ 9.96
Electrical Characteristics	⁽¹⁾⁽⁴⁾ Cooling Input Power (kW)	0.487	0.750	1.170	1.575	1.994	2.375	2.550
	Standby Power (W)	0.50	0.60	0.60	0.60	0.50	0.50	0.45
	⁽¹⁾⁽⁴⁾ Heating Input Power (kW)	0.499	0.851	1.490	1.760	2.080	2.430	2.640
	Standby Power (W)	0.44	0.60	0.60	0.60	0.50	0.50	0.45
Efficiency	⁽¹⁾⁽²⁾ EER / AEER	5.4004 / 5.3804	4.6667 / 4.6541	4.3162 / 4.3088	3.8095 / 3.8046	3.6108 / 3.6078	3.3684 / 3.3660	3.5294 / 3.5273
	⁽¹⁾⁽³⁾ COP / ACOP	5.4108 / 5.3947	4.5828 / 4.5719	4.0268 / 4.0214	3.7500 / 3.7457	3.9423 / 3.9391	3.7037 / 3.7011	3.7121 / 3.7100
	TCSPF Residential (Hot / Avg. / Cold)	8.979 / 8.260 / 8.711	8.039 / 7.520 / 8.046	7.509 / 6.934 / 7.398	6.572 / 6.224 / 6.642	6.009 / 5.717 / 6.108	5.691 / 5.443 / 5.840	5.734 / 5.535 / 5.898
	HSPF Residential (Hot / Avg. / Cold)	5.831 / 5.442 / 5.002	5.706 / 5.011 / 4.502	5.529 / 4.640 / 4.007	5.539 / 4.505 / 3.808	5.276 / 4.508 / 3.935	5.197 / 4.331 / 3.711	5.118 / 4.247 / 3.600
Power Supply (V/ Ph / Hz)		220-240V / 1Ph / 50Hz						
Interconnecting Wire (mm ²)		1.5 x 4						
⁽⁷⁾ Maximum Running Current (Full Load Amps)		10.0	10.5	15.5		17.5		18.0
⁽⁸⁾ Rated Load Amps	Cooling	2.1	3.4	5.4	7.2	8.9	10.4	11.6
	Heating	2.2	3.8	6.9	7.6	10.2	11.1	12.0
⁽⁹⁾ Circuit Breaker (A)		10	16	16	16	20	20	20
IP Rating	Outdoor	IPX4						
	Indoor	IPX0						
Indoor Unit Dimensions	Height (mm)	295		319		370		
	Width (mm)	795		965		1140		
	Depth (mm)	225		239		275		
Indoor Package Dimensions	Height (mm)	305		325		355		
	Width (mm)	870		1045		1230		
	Depth (mm)	370		400		455		
Indoor Weight	Net (kg)	10.0	9.99	11.8		17.2		18.9
	Gross (kg)	12.8	12.7	15.7		22.2		24
Airflow Volume	Turbo (l/s)	233	206	292		458		417
	High (l/s)	161	150	229		432		342
	Medium (l/s)	115		169		313		267
	Low (l/s)	92		137		257		233
	Silence (l/s)	88		83		146		167
Indoor Sound Pressure @1m	Turbo (dB(A))	47.5	48	48.5		51		51
	High (dB(A))	38.5	40.5	42		50		47
	Medium (dB(A))	33	33.5	35		43		41.5
	Low (dB(A))	23	30.5	33		37		35
	Silence (l/s)	19	20	27		26		24.5
Outdoor Unit Dimensions	Height (mm)	555	554	673		673		810
	Width (mm)	765	805	890		890		946
	Depth (mm)	303	330	342		342		410
Outdoor Package Dimensions	Height (mm)	610	615	740		750		885
	Width (mm)	887	915	995		438		1090
	Depth (mm)	337	370	398		1030		500
Outdoor Weight	Net (kg)	29.4	31.8	42.3		43.8		60.3
	Gross (kg)	31.6	34.3	45.6		47.2		64.6
Compressor Type		Inverter Single Rotary						
Starting Method		DC Inverter Starter						
Compressor Power Input (W)		753		1090		2045		2200
Refrigerant Type		R32						
Pre-Charge	Amount (g)	0.850	0.900	1.200		1.400		2.200
	Length (m)	15						
Additional Refrigerant Charge		12						24

SPECIFICATION SUMMARY

Model Name		WRC-026DS / WRE-026DS	WRC-035DS / WRE-035DS	WRC-050DS / WRE-050DS	WRC-060DS / WRE-060DS	WRC-072DS / WRE-072DS	WRC-080DS / WRE-080DS	WRC-090DS / WRE-090DS
Connections	Connection Type	Flare Nut						
	Liquid (mm)	Ø6.35						
	Gas (mm)	Ø9.52		Ø12.7		Ø15.88		
Maximum Piping	Length (m)	25		30		50		
	Height (m)	10		20		25		
Minimum Piping	Length (m)	3						
⁽⁵⁾ Outdoor Sound Pressure	@1m (dB(A))	55.0		59.0		61.0		
⁽⁶⁾ Outdoor Sound Power (dB(A))		63.7	60.0	65.8	66.2	67.0	67.0	69.7
Operation Range	Cooling (°C)	-15 to 50°						
	Heating (°C)	-15 to 24°						
Controller Supplied in the Box		RC-02						
Optional Controller Available (Sold Separately)		WC-03						

⁽¹⁾ Measured and tested in accordance with AS/NZS 3823.1.2. Rated Load Amps shown above is based on MEPS representative outdoor and indoor unit combinations

⁽²⁾ At 27°C DB / 19°C WB entering air temperatures and 35°C ambient.

⁽³⁾ At 20°C DB entering air temperature and 7°C DB / 6°C WB ambient.

⁽⁴⁾ Input power includes indoor fan kW.

⁽⁵⁾ Outdoor sound pressure level is determined in an anechoic chamber and may differ once the unit is installed due to environment conditions.

⁽⁶⁾ Determination of Sound Power Levels of Noise Sources per EN12102-1:2017.

⁽⁷⁾ Full Load Amps (FLA) shown above is based on maximum possible outdoor and indoor unit combinations. FLA are based on compressor and fan motors' maximum expected current. Final FLA will be based on installed combination. See wiring section of installation guide for more details.

⁽⁸⁾ Rated Load Amps shown above is based on MEPS representative outdoor and indoor unit combinations. Rated Load Amps are measured and tested in accordance with AS/NZS3823.1.2.

⁽⁹⁾ Minimum circuit breaker rating is based on the FLA test result. To determine the required cable size, refer to the latest edition of AS/NZS 3000 or AS/NZS 3008 wiring rules whichever applies.

Note: Use input power to estimate running cost.

The local electricity authority may require limits on starting current and voltage drop, please check prior to purchase.

CAPACITY SELECTION DATA

WRE-026DS/WRC-026DS

COOLING PERFORMANCE																																		
ID AIR FLOW (L/S)	OD DB (°C)	ID WB (°C)	16.0					18.0					19.0					22.0					23.0											
		ID DB (°C)	23.0	25.0	27.0	29.0	32.0	23.0	25.0	27.0	29.0	32.0	23.0	25.0	27.0	29.0	32.0	23.0	25.0	27.0	29.0	32.0	23.0	25.0	27.0	29.0	32.0							
92	15	TC	1.61	1.61	1.61	1.61	1.62	1.70	1.71	1.71	1.71	1.71	1.81	1.81	1.81	1.81	1.81	1.91	1.92	1.92	1.92	1.92	2.03	2.03	2.03	2.04	2.04							
		S/T	0.27	0.32	0.36	0.41	0.42	0.29	0.34	0.38	0.44	0.44	0.30	0.36	0.41	0.46	0.47	0.32	0.38	0.43	0.49	0.50	0.34	0.40	0.46	0.52	0.53							
		PI	0.23	0.24	0.24	0.24	0.24	0.25	0.25	0.25	0.25	0.25	0.26	0.26	0.26	0.26	0.27	0.28	0.28	0.28	0.28	0.28	0.30	0.30	0.30	0.30	0.30							
	20	TC	1.60	1.60	1.60	1.61	1.61	1.70	1.70	1.70	1.70	1.70	1.80	1.80	1.80	1.80	1.81	1.91	1.91	1.91	1.91	1.91	2.02	2.02	2.02	2.03	2.03							
		S/T	0.28	0.33	0.37	0.42	0.43	0.29	0.35	0.39	0.45	0.46	0.31	0.37	0.42	0.48	0.48	0.33	0.39	0.44	0.50	0.51	0.35	0.41	0.47	0.53	0.54							
		PI	0.25	0.25	0.25	0.25	0.25	0.27	0.27	0.27	0.27	0.27	0.28	0.28	0.28	0.28	0.28	0.30	0.30	0.30	0.30	0.30	0.32	0.32	0.32	0.32	0.32							
	25	TC	1.59	1.60	1.60	1.60	1.60	1.69	1.69	1.69	1.69	1.70	1.79	1.79	1.79	1.80	1.80	1.90	1.90	1.90	1.90	1.91	2.01	2.01	2.02	2.02	2.02							
		S/T	0.28	0.33	0.38	0.43	0.44	0.30	0.35	0.40	0.45	0.46	0.32	0.37	0.42	0.48	0.49	0.34	0.39	0.45	0.51	0.52	0.36	0.42	0.47	0.54	0.55							
		PI	0.27	0.27	0.27	0.27	0.27	0.29	0.29	0.29	0.29	0.29	0.30	0.30	0.30	0.30	0.30	0.32	0.32	0.32	0.32	0.32	0.34	0.34	0.34	0.34	0.34							
	30	TC	1.63	1.63	1.63	1.64	1.64	1.73	1.73	1.73	1.73	1.74	1.83	1.83	1.84	1.84	1.84	1.94	1.94	1.94	1.95	1.95	2.06	2.06	2.06	2.07	2.07							
		S/T	0.29	0.34	0.39	0.44	0.45	0.31	0.36	0.41	0.47	0.47	0.32	0.38	0.43	0.49	0.50	0.34	0.40	0.46	0.52	0.53	0.36	0.43	0.49	0.55	0.56							
		PI	0.31	0.31	0.31	0.31	0.31	0.33	0.33	0.33	0.33	0.33	0.35	0.35	0.35	0.35	0.35	0.37	0.37	0.37	0.37	0.37	0.39	0.39	0.39	0.39	0.39							
	35	TC	1.84	1.84	1.85	1.85	1.85	1.95	1.95	1.96	1.96	1.96	2.07	2.07	2.07	2.08	2.08	2.19	2.20	2.20	2.20	2.20	2.33	2.33	2.33	2.33	2.34							
		S/T	0.29	0.34	0.39	0.44	0.45	0.31	0.36	0.41	0.47	0.47	0.32	0.38	0.43	0.49	0.50	0.34	0.40	0.46	0.52	0.53	0.36	0.43	0.49	0.55	0.56							
		PI	0.45	0.45	0.45	0.45	0.45	0.48	0.48	0.48	0.48	0.48	0.51	0.51	0.51	0.51	0.51	0.54	0.54	0.54	0.54	0.54	0.57	0.57	0.57	0.57	0.57							
	40	TC	1.57	1.57	1.58	1.58	1.58	1.67	1.67	1.67	1.67	1.67	1.77	1.77	1.77	1.77	1.77	1.87	1.87	1.88	1.88	1.88	1.99	1.99	1.99	1.99	1.99							
		S/T	0.30	0.35	0.40	0.45	0.46	0.31	0.37	0.42	0.48	0.49	0.33	0.39	0.44	0.51	0.51	0.35	0.41	0.47	0.54	0.55	0.37	0.44	0.50	0.57	0.58							
		PI	0.47	0.47	0.48	0.48	0.48	0.50	0.50	0.50	0.50	0.50	0.53	0.53	0.53	0.53	0.54	0.56	0.57	0.57	0.57	0.57	0.60	0.60	0.60	0.60	0.60							
	45	TC	1.29	1.29	1.30	1.30	1.30	1.37	1.37	1.37	1.37	1.38	1.45	1.45	1.46	1.46	1.46	1.54	1.54	1.54	1.54	1.54	1.63	1.63	1.64	1.64	1.64							
		S/T	0.31	0.36	0.41	0.47	0.48	0.33	0.39	0.44	0.50	0.51	0.35	0.41	0.47	0.53	0.54	0.37	0.43	0.49	0.56	0.57	0.39	0.46	0.52	0.60	0.61							
		PI	0.46	0.46	0.46	0.46	0.46	0.49	0.49	0.49	0.49	0.49	0.52	0.52	0.52	0.52	0.52	0.55	0.55	0.55	0.55	0.55	0.58	0.58	0.58	0.59	0.59							
	50	TC	1.01	1.01	1.01	1.01	1.01	1.07	1.07	1.07	1.07	1.07	1.13	1.13	1.13	1.13	1.14	1.20	1.20	1.20	1.20	1.20	1.27	1.27	1.27	1.28	1.28							
		S/T	0.32	0.37	0.42	0.48	0.49	0.34	0.40	0.45	0.51	0.52	0.36	0.42	0.48	0.54	0.55	0.38	0.44	0.50	0.58	0.59	0.40	0.47	0.54	0.61	0.62							
		PI	0.40	0.40	0.40	0.40	0.40	0.43	0.43	0.43	0.43	0.43	0.45	0.45	0.45	0.45	0.45	0.48	0.48	0.48	0.48	0.48	0.51	0.51	0.51	0.51	0.51							
115	15	TC	2.18	2.19	2.19	2.19	2.20	2.32	2.32	2.32	2.32	2.33	2.45	2.46	2.46	2.46	2.47	2.60	2.60	2.61	2.61	2.61	2.76	2.76	2.76	2.77	2.77							
		S/T	0.37	0.43	0.49	0.56	0.57	0.39	0.46	0.52	0.59	0.60	0.41	0.49	0.55	0.63	0.64	0.44	0.51	0.58	0.67	0.68	0.46	0.55	0.62	0.71	0.72							
		PI	0.32	0.32	0.32	0.32	0.32	0.34	0.34	0.34	0.34	0.34	0.36	0.36	0.36	0.36	0.36	0.38	0.38	0.38	0.38	0.38	0.40	0.40	0.40	0.40	0.41							
	20	TC	2.17	2.18	2.18	2.18	2.19	2.31	2.31	2.31	2.31	2.32	2.44	2.45	2.45	2.45	2.46	2.59	2.59	2.60	2.60	2.60	2.75	2.75	2.75	2.76	2.76							
		S/T	0.38	0.44	0.50	0.57	0.58	0.40	0.47	0.53	0.61	0.62	0.42	0.50	0.57	0.65	0.66	0.45	0.53	0.60	0.68	0.70	0.48	0.56	0.64	0.73	0.74							
		PI	0.34	0.34	0.34	0.34	0.34	0.36	0.36	0.36	0.36	0.37	0.39	0.39	0.39	0.39	0.39	0.41	0.41	0.41	0.41	0.41	0.43	0.43	0.43	0.43	0.43							
	25	TC	2.17	2.17	2.17	2.17	2.18	2.30	2.30	2.30	2.30	2.31	2.43	2.44	2.44	2.44	2.44	2.58	2.58	2.59	2.59	2.59	2.73	2.74	2.74	2.74	2.75							
		S/T	0.38	0.45	0.51	0.58	0.59	0.41	0.48	0.54	0.62	0.63	0.43	0.50	0.57	0.65	0.67	0.46	0.54	0.61	0.69	0.71	0.48	0.57	0.64	0.74	0.75							
		PI	0.37	0.37	0.37	0.37	0.37	0.39	0.39	0.39	0.39	0.39	0.41	0.41	0.41	0.41	0.41	0.44	0.44	0.44	0.44	0.44	0.46	0.46	0.46	0.46	0.46							
	30	TC	2.22	2.22	2.22	2.22	2.23	2.35	2.35	2.35	2.36	2.36	2.49	2.49	2.50	2.50	2.50	2.64	2.64	2.64	2.64	2.65	2.80	2.80	2.80	2.81	2.81							
		S/T	0.39	0.46	0.52	0.60	0.61	0.42	0.49	0.56	0.63	0.64	0.44	0.52	0.59	0.67	0.68	0.47	0.55	0.62	0.71	0.72	0.50	0.58	0.66	0.75	0.77							
		PI	0.42	0.42	0.42	0.42	0.42	0.45	0.45	0.45	0.45	0.45	0.47	0.48	0.48	0.48	0.48	0.50	0.50	0.50	0.51	0.51	0.53	0.53	0.53	0.54	0.54							
	35	TC	2.50	2.51	2.51	2.51	2.52	2.65	2.66	2.66	2.66	2.67	2.81	2.82	2.82	2.82	2.83	2.98	2.99	2.99	2.99	3.00	3.16	3.16	3.17	3.17	3.18							
		S/T	0.39	0.46	0.52	0.60	0.61	0.42	0.49	0.56	0.63	0.64	0.44	0.52	0.59	0.67	0.68	0.47	0.55	0.62	0.71	0.72	0.50	0.58	0.66	0.75	0.77							
		PI	0.61	0.61	0.61	0.61	0.62	0.65	0.65	0.65	0.65	0.65	0.69	0.69	0.69	0.69	0.69	0.73	0.73	0.73	0.73	0.73	0.77	0.77	0.77	0.78	0.78							
	40	TC	2.14	2.14	2.14	2.14	2.15	2.27	2.27	2.27	2.27	2.28	2.40	2.40	2.41	2.41	2.41	2.55	2.55	2.55	2.55	2.56	2.70	2.70	2.70	2.71	2.71							
		S/T	0.40	0.47	0.54	0.61	0.62	0.43	0.50	0.57	0.65	0.66	0.45	0.53	0.60	0.69	0.70	0.48	0.56	0.64	0.73	0.74	0.51	0.60	0.68	0.77	0.79							
		PI	0.64	0.65	0.65	0.65	0.65	0.68	0.68	0.68	0.69	0.69	0.72	0.72	0.73	0.73	0.73	0.77	0.77	0.77	0.77	0.77	0.81	0.81	0.82	0.82	0.82							
	45	TC	1.76	1.76	1.76	1.76	1.76	1.86	1.86	1.87	1.87	1.87	1.97	1.98	1.98	1.98	1.98	2.09	2.09	2.10	2.10	2.10	2.22	2.22	2.22	2.23	2.23							
		S/T	0.42	0.50	0.56	0.64	0.65	0.45	0.53	0.60	0.68	0.69	0.47	0.56	0.63	0.72	0.73	0.50	0.59	0.67	0.76	0.78	0.53	0.63	0.71	0.81	0.82							
		PI	0.63	0.63	0.63																													

CAPACITY SELECTION DATA

WRE-026DS/WRC-026DS

HEATING PERFORMANCE									
INDOOR AIRFLOW (L/S)	INDOOR DRY BULB TEMPERATURE								
	OUTDOOR DB(°C)	HC:HEATING CAPACITY (KW)				PI:TOTAL POWER IN KILOWATTS (KW)			
		Indoor Conditions (DB °C)				Indoor Conditions (DB °C)			
		16.0	20.0	22.0	24.0	16.0	20.0	22.0	24.0
92	-15	1.29	1.27	1.41	1.39	1.14	1.14	1.15	1.15
	-10	1.67	1.64	1.82	1.80	1.24	1.25	1.26	1.26
	-5	1.93	1.90	2.10	2.09	1.28	1.29	1.30	1.30
	0	2.03	1.99	2.21	2.19	1.22	1.23	1.23	1.24
	5	2.14	2.10	2.33	2.30	1.13	1.13	1.14	1.14
	10	2.29	2.24	2.49	2.46	1.05	1.06	1.06	1.07
	15	2.46	2.41	2.67	2.65	1.00	1.00	1.01	1.01
115	-15	1.76	1.72	1.71	1.69	1.15	1.16	1.16	1.17
	-10	2.27	2.22	2.20	2.18	1.26	1.27	1.27	1.28
	-5	2.63	2.58	2.55	2.53	1.29	1.30	1.31	1.31
	0	2.76	2.70	2.68	2.66	1.23	1.24	1.24	1.25
	5	2.91	2.85	2.82	2.80	1.14	1.15	1.15	1.16
	10	3.11	3.05	3.02	2.99	1.06	1.07	1.07	1.08
	15	3.34	3.27	3.24	3.21	1.01	1.01	1.02	1.02
161	-15	2.39	2.34	2.32	2.30	1.16	1.17	1.17	1.18
	-10	3.09	3.02	3.00	2.97	1.27	1.28	1.28	1.29
	-5	3.57	3.50	3.47	3.44	1.31	1.32	1.32	1.33
	0	3.75	3.68	3.64	3.61	1.24	1.25	1.26	1.26
	5	3.95	3.87	3.84	3.80	1.15	1.16	1.16	1.17
	10	4.22	4.14	4.10	4.06	1.07	1.08	1.08	1.09
	15	4.54	4.45	4.41	4.37	1.02	1.02	1.03	1.03

Note: The table shows the case where the operation frequency of a compressor is fixed.

NOTES:

1. No allowance has been made for the effect of indoor fan motor.
2. Selection tables are based on nominal airflows.

CAPACITY SELECTION DATA

WRE-035DS/WRC-035DS

COOLING PERFORMANCE																												
ID AIR FLOW (L/S)	OD DB (°C)	ID WB (°C) ID DB (°C)	16.0					18.0					19.0					22.0					23.0					
			23.0	25.0	27.0	29.0	32.0	23.0	25.0	27.0	29.0	32.0	23.0	25.0	27.0	29.0	32.0	23.0	25.0	27.0	29.0	32.0	23.0	25.0	27.0	29.0	32.0	
92	15	TC	1.67	1.67	1.67	1.68	1.68	1.77	1.77	1.77	1.78	1.78	1.88	1.88	1.88	1.88	1.88	1.99	1.99	1.99	2.00	2.00	2.11	2.11	2.11	2.12	2.12	
		S/T	0.31	0.37	0.42	0.48	0.49	0.33	0.39	0.44	0.51	0.51	0.35	0.41	0.47	0.54	0.55	0.37	0.44	0.50	0.57	0.58	0.40	0.46	0.53	0.60	0.61	
		PI	0.24	0.24	0.24	0.24	0.24	0.25	0.25	0.25	0.25	0.25	0.26	0.27	0.27	0.27	0.27	0.28	0.28	0.28	0.28	0.28	0.30	0.30	0.30	0.30	0.30	
	20	TC	1.65	1.65	1.65	1.65	1.66	1.75	1.75	1.75	1.75	1.76	1.85	1.85	1.86	1.86	1.86	1.96	1.97	1.97	1.97	1.97	2.08	2.08	2.09	2.09	2.09	
		S/T	0.32	0.38	0.43	0.49	0.50	0.34	0.40	0.46	0.52	0.53	0.36	0.42	0.48	0.55	0.56	0.38	0.45	0.51	0.58	0.59	0.41	0.48	0.54	0.62	0.63	
		PI	0.26	0.26	0.26	0.26	0.26	0.27	0.27	0.27	0.27	0.27	0.29	0.29	0.29	0.29	0.31	0.31	0.31	0.31	0.31	0.31	0.32	0.32	0.32	0.33	0.33	
	25	TC	1.63	1.63	1.63	1.63	1.64	1.73	1.73	1.73	1.73	1.73	1.83	1.83	1.83	1.84	1.84	1.94	1.94	1.94	1.95	1.95	2.06	2.06	2.06	2.06	2.07	
		S/T	0.33	0.38	0.43	0.50	0.50	0.35	0.41	0.46	0.53	0.53	0.37	0.43	0.49	0.56	0.57	0.39	0.46	0.52	0.59	0.60	0.41	0.48	0.55	0.63	0.64	
		PI	0.28	0.28	0.28	0.28	0.28	0.29	0.29	0.29	0.29	0.29	0.30	0.31	0.31	0.31	0.31	0.33	0.33	0.33	0.33	0.33	0.35	0.35	0.35	0.35	0.35	
	30	TC	1.71	1.71	1.71	1.71	1.71	1.81	1.81	1.81	1.81	1.82	1.92	1.92	1.92	1.92	1.93	2.03	2.03	2.04	2.04	2.04	2.15	2.16	2.16	2.16	2.16	
		S/T	0.33	0.39	0.45	0.51	0.52	0.35	0.42	0.47	0.54	0.55	0.38	0.44	0.50	0.57	0.58	0.40	0.47	0.53	0.61	0.62	0.42	0.50	0.56	0.64	0.65	
		PI	0.34	0.34	0.34	0.34	0.35	0.36	0.36	0.37	0.37	0.37	0.39	0.39	0.39	0.39	0.39	0.41	0.41	0.41	0.41	0.41	0.43	0.43	0.43	0.44	0.44	
	35	TC	2.18	2.18	2.18	2.19	2.19	2.31	2.31	2.31	2.32	2.32	2.45	2.45	2.45	2.46	2.46	2.59	2.60	2.60	2.60	2.60	2.61	2.75	2.75	2.76	2.76	2.76
		S/T	0.33	0.39	0.45	0.51	0.52	0.35	0.42	0.47	0.54	0.55	0.38	0.44	0.50	0.57	0.58	0.40	0.47	0.53	0.61	0.62	0.42	0.50	0.56	0.64	0.65	
		PI	0.59	0.59	0.59	0.59	0.60	0.63	0.63	0.63	0.63	0.63	0.67	0.67	0.67	0.67	0.67	0.71	0.71	0.71	0.71	0.71	0.75	0.75	0.75	0.75	0.75	
	40	TC	2.08	2.08	2.08	2.09	2.09	2.20	2.21	2.21	2.21	2.21	2.33	2.34	2.34	2.34	2.35	2.48	2.48	2.48	2.48	2.49	2.62	2.63	2.63	2.63	2.64	
		S/T	0.34	0.40	0.46	0.52	0.53	0.36	0.43	0.48	0.55	0.56	0.39	0.45	0.51	0.59	0.60	0.41	0.48	0.54	0.62	0.63	0.43	0.51	0.58	0.66	0.67	
		PI	0.63	0.63	0.64	0.64	0.64	0.67	0.67	0.67	0.67	0.68	0.71	0.71	0.71	0.71	0.72	0.75	0.76	0.76	0.76	0.76	0.80	0.80	0.80	0.80	0.80	
	45	TC	1.84	1.84	1.84	1.85	1.85	1.95	1.95	1.95	1.96	1.96	2.07	2.07	2.07	2.07	2.08	2.19	2.19	2.20	2.20	2.20	2.32	2.33	2.33	2.33	2.33	
		S/T	0.36	0.42	0.48	0.55	0.56	0.38	0.45	0.51	0.58	0.59	0.40	0.47	0.54	0.61	0.63	0.43	0.50	0.57	0.65	0.66	0.45	0.53	0.61	0.69	0.70	
		PI	0.62	0.62	0.62	0.62	0.62	0.65	0.66	0.66	0.66	0.66	0.69	0.69	0.70	0.70	0.70	0.74	0.74	0.74	0.74	0.74	0.78	0.78	0.78	0.78	0.78	
	50	TC	1.35	1.35	1.35	1.35	1.36	1.43	1.43	1.43	1.44	1.44	1.52	1.52	1.52	1.52	1.52	1.61	1.61	1.61	1.61	1.62	1.70	1.71	1.71	1.71	1.71	
		S/T	0.37	0.43	0.49	0.56	0.57	0.39	0.46	0.52	0.59	0.60	0.41	0.49	0.55	0.63	0.64	0.44	0.51	0.58	0.67	0.68	0.46	0.55	0.62	0.71	0.72	
		PI	0.53	0.53	0.53	0.53	0.53	0.56	0.56	0.56	0.56	0.56	0.59	0.59	0.59	0.59	0.59	0.63	0.63	0.63	0.63	0.63	0.66	0.66	0.67	0.67	0.67	
115	15	TC	2.11	2.11	2.11	2.12	2.12	2.24	2.24	2.24	2.24	2.25	2.37	2.37	2.38	2.38	2.38	2.51	2.51	2.52	2.52	2.52	2.66	2.67	2.67	2.67	2.68	
		S/T	0.40	0.46	0.53	0.60	0.61	0.42	0.49	0.56	0.64	0.65	0.45	0.52	0.59	0.68	0.69	0.47	0.55	0.63	0.72	0.73	0.50	0.59	0.67	0.76	0.77	
		PI	0.30	0.30	0.30	0.30	0.30	0.32	0.32	0.32	0.32	0.32	0.33	0.34	0.34	0.34	0.34	0.35	0.36	0.36	0.36	0.36	0.38	0.38	0.38	0.38	0.38	
	20	TC	2.08	2.09	2.09	2.09	2.09	2.21	2.21	2.21	2.21	2.22	2.32	2.34	2.34	2.35	2.35	2.48	2.48	2.49	2.49	2.49	2.63	2.63	2.64	2.64	2.64	
		S/T	0.41	0.48	0.54	0.62	0.63	0.43	0.51	0.58	0.66	0.67	0.46	0.54	0.61	0.69	0.71	0.48	0.57	0.65	0.74	0.75	0.51	0.60	0.68	0.78	0.79	
		PI	0.32	0.32	0.32	0.33	0.33	0.34	0.34	0.34	0.34	0.35	0.36	0.36	0.37	0.37	0.37	0.39	0.39	0.39	0.39	0.39	0.41	0.41	0.41	0.41	0.41	
	25	TC	2.06	2.06	2.06	2.06	2.07	2.18	2.18	2.18	2.19	2.19	2.31	2.31	2.32	2.32	2.32	2.45	2.45	2.46	2.46	2.46	2.60	2.60	2.60	2.61	2.61	
		S/T	0.41	0.48	0.55	0.63	0.64	0.44	0.51	0.58	0.66	0.68	0.46	0.54	0.62	0.70	0.72	0.49	0.58	0.65	0.75	0.76	0.52	0.61	0.69	0.79	0.80	
		PI	0.35	0.35	0.35	0.35	0.35	0.37	0.37	0.37	0.37	0.37	0.39	0.39	0.39	0.39	0.40	0.42	0.42	0.42	0.42	0.42	0.44	0.44	0.44	0.44	0.44	
	30	TC	2.15	2.16	2.16	2.16	2.17	2.28	2.29	2.29	2.29	2.30	2.42	2.42	2.43	2.43	2.43	2.57	2.57	2.57	2.58	2.58	2.72	2.72	2.73	2.73	2.73	
		S/T	0.42	0.50	0.56	0.64	0.65	0.45	0.53	0.60	0.68	0.69	0.47	0.56	0.63	0.72	0.73	0.50	0.59	0.67	0.77	0.78	0.53	0.63	0.71	0.81	0.83	
		PI	0.43	0.43	0.44	0.44	0.44	0.46	0.46	0.46	0.46	0.46	0.49	0.49	0.49	0.49	0.49	0.52	0.52	0.52	0.52	0.52	0.55	0.55	0.55	0.55	0.55	
	35	TC	2.75	2.76	2.76	2.76	2.77	2.92	2.92	2.92	2.92	2.93	3.09	3.10	3.10	3.10	3.11	3.28	3.28	3.29	3.29	3.29	3.47	3.48	3.48	3.49	3.49	
		S/T	0.42	0.50	0.56	0.64	0.65	0.45	0.53	0.60	0.68	0.69	0.47	0.56	0.63	0.72	0.73	0.50	0.59	0.67	0.77	0.78	0.53	0.63	0.71	0.81	0.83	
		PI	0.75	0.75	0.75	0.75	0.75	0.79	0.79	0.80	0.80	0.80	0.84	0.84	0.84	0.84	0.84	0.89	0.89	0.89	0.89	0.89	0.95	0.95	0.95	0.95	0.95	
	40	TC	2.63	2.63	2.63	2.64	2.64	2.78	2.79	2.79	2.79	2.80	2.95	2.95	2.96	2.96	2.96	3.13	3.13	3.13	3.14	3.14	3.31	3.32	3.32	3.33	3.33	
		S/T	0.43	0.51	0.58	0.66	0.67	0.46	0.54	0.61	0.70	0.71	0.49	0.57	0.65	0.74	0.75	0.52	0.61	0.69	0.78	0.80	0.55	0.64	0.73	0.83	0.85	
		PI	0.80	0.80	0.80	0.80	0.80	0.85	0.85	0.85	0.85	0.85	0.90	0.90	0.90	0.90	0.90	0.95	0.95	0.95	0.96	0.96	1.01	1.01	1.01	1.01	1.02	
	45	TC	2.32	2.33	2.33	2.33	2.34	2.46	2.47	2.47	2.47	2.48	2.61	2.61	2.62	2.62	2.62	2.77	2.77	2.77	2.78	2.78	2.93	2.94	2.94	2.94	2.95	
		S/T	0.45	0.53	0.61	0.69	0.70	0.48	0.57	0.64	0.73	0.74	0.51	0.60	0.68	0.78	0.79	0.54										

CAPACITY SELECTION DATA

WRE-035DS/WRC-035DS

HEATING PERFORMANCE									
INDOOR AIRFLOW (L/S)	INDOOR DRY BULB TEMPERATURE								
	OUTDOOR DB(°C)	HC:HEATING CAPACITY (KW)				PI:TOTAL POWER IN KILOWATTS (KW)			
		Indoor Conditions (DB °C)				Indoor Conditions (DB °C)			
		16.0	20.0	22.0	24.0	16.0	20.0	22.0	24.0
92	-15	1.41	1.38	1.42	1.40	1.06	1.07	1.07	1.08
	-10	1.64	1.61	1.65	1.64	1.15	1.16	1.17	1.17
	-5	1.87	1.84	1.88	1.87	1.24	1.25	1.25	1.26
	0	2.10	2.06	2.11	2.09	1.32	1.33	1.33	1.34
	5	2.55	2.50	2.56	2.54	1.36	1.37	1.38	1.38
	10	2.72	2.66	2.73	2.71	1.21	1.22	1.23	1.23
	15	2.60	2.55	2.61	2.59	0.95	0.96	0.96	0.97
115	-15	1.78	1.75	1.73	1.71	1.07	1.08	1.09	1.09
	-10	2.08	2.04	2.02	2.00	1.16	1.17	1.18	1.18
	-5	2.37	2.32	2.30	2.28	1.25	1.26	1.27	1.27
	0	2.65	2.60	2.58	2.55	1.33	1.34	1.35	1.35
	5	3.22	3.16	3.13	3.10	1.37	1.38	1.39	1.40
	10	3.43	3.37	3.34	3.31	1.22	1.23	1.24	1.24
	15	3.29	3.22	3.19	3.16	0.96	0.97	0.97	0.98
150	-15	2.25	2.21	2.19	2.17	1.08	1.09	1.10	1.10
	-10	2.62	2.57	2.55	2.53	1.18	1.19	1.19	1.20
	-5	2.99	2.93	2.91	2.88	1.26	1.27	1.28	1.28
	0	3.35	3.28	3.25	3.22	1.34	1.36	1.36	1.37
	5	4.07	3.99	3.95	3.92	1.39	1.40	1.40	1.41
	10	4.34	4.25	4.21	4.18	1.24	1.25	1.25	1.26
	15	4.15	4.07	4.03	3.99	0.97	0.98	0.98	0.99

Note: The table shows the case where the operation frequency of a compressor is fixed.

NOTES:

1. No allowance has been made for the effect of indoor fan motor.
2. Selection tables are based on nominal airflows.

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CAPACITY SELECTION DATA

WRE-050DS/WRC-050DS

HEATING PERFORMANCE									
INDOOR AIRFLOW (L/S)	INDOOR DRY BULB TEMPERATURE								
	OUTDOOR DB(°C)	HC:HEATING CAPACITY (KW)				PI:TOTAL POWER IN KILOWATTS (KW)			
		Indoor Conditions (DB °C)				Indoor Conditions (DB °C)			
		16.0	20.0	22.0	24.0	16.0	20.0	22.0	24.0
135	-15	1.96	1.92	1.98	1.96	1.26	1.27	1.27	1.28
	-10	2.42	2.37	2.45	2.43	1.35	1.36	1.37	1.37
	-5	2.74	2.68	2.77	2.75	1.42	1.43	1.44	1.45
	0	2.83	2.77	2.87	2.84	1.46	1.47	1.48	1.48
	5	3.44	3.37	3.48	3.45	1.64	1.66	1.66	1.67
	10	3.71	3.64	3.76	3.72	1.55	1.56	1.57	1.58
	15	3.53	3.46	3.57	3.54	1.21	1.22	1.23	1.23
163	-15	2.39	2.34	2.32	2.30	1.27	1.28	1.28	1.29
	-10	2.95	2.89	2.87	2.84	1.36	1.38	1.38	1.39
	-5	3.34	3.27	3.24	3.21	1.44	1.45	1.45	1.46
	0	3.45	3.38	3.35	3.32	1.48	1.49	1.49	1.50
	5	4.20	4.11	4.08	4.04	1.66	1.67	1.68	1.69
	10	4.53	4.44	4.40	4.36	1.57	1.58	1.59	1.59
	15	4.30	4.22	4.18	4.14	1.23	1.24	1.24	1.25
205	-15	2.91	2.86	2.83	2.81	1.28	1.29	1.30	1.30
	-10	3.61	3.53	3.50	3.47	1.38	1.39	1.39	1.40
	-5	4.08	3.99	3.96	3.92	1.45	1.46	1.47	1.48
	0	4.21	4.13	4.09	4.06	1.49	1.50	1.51	1.51
	5	5.12	5.02	4.98	4.93	1.68	1.69	1.70	1.70
	10	5.53	5.42	5.37	5.32	1.58	1.60	1.60	1.61
	15	5.25	5.15	5.10	5.06	1.24	1.25	1.25	1.26

Note: The table shows the case where the operation frequency of a compressor is fixed.

NOTES:

1. No allowance has been made for the effect of indoor fan motor.
2. Selection tables are based on nominal airflows.

CAPACITY SELECTION DATA

WRE-060DS/WRC-060DS

COOLING PERFORMANCE																																			
ID AIR FLOW (L/S)	OD DB (°C)	ID WB (°C) ID DB (°C)	16.0					18.0					19.0					22.0					23.0												
			23.0	25.0	27.0	29.0	32.0	23.0	25.0	27.0	29.0	32.0	23.0	25.0	27.0	29.0	32.0	23.0	25.0	27.0	29.0	32.0	23.0	25.0	27.0	29.0	32.0								
			TC	S/T	PI	TC	S/T	PI	TC	S/T	PI	TC	S/T	PI	TC	S/T	PI	TC	S/T	PI	TC	S/T	PI	TC	S/T	PI	TC	S/T	PI						
135	15	TC	2.65	2.66	2.66	2.66	2.66	2.81	2.81	2.82	2.82	2.82	2.98	2.98	2.99	2.99	2.99	3.16	3.16	3.17	3.17	3.17	3.35	3.35	3.36	3.36	3.36								
		S/T	0.34	0.39	0.45	0.51	0.52	0.36	0.42	0.47	0.54	0.55	0.38	0.44	0.50	0.57	0.58	0.40	0.47	0.53	0.61	0.62	0.42	0.50	0.57	0.64	0.66								
		PI	0.23	0.24	0.24	0.24	0.24	0.25	0.25	0.25	0.25	0.25	0.26	0.26	0.26	0.26	0.27	0.28	0.28	0.28	0.28	0.28	0.30	0.30	0.30	0.30	0.30								
	20	TC	2.51	2.51	2.52	2.52	2.52	2.66	2.66	2.67	2.67	2.67	2.82	2.82	2.83	2.83	2.83	2.99	2.99	3.00	3.00	3.00	3.01	3.17	3.17	3.18	3.18	3.19							
		S/T	0.34	0.40	0.46	0.52	0.53	0.37	0.43	0.49	0.56	0.57	0.39	0.45	0.52	0.59	0.60	0.41	0.48	0.55	0.62	0.64	0.44	0.51	0.58	0.66	0.67								
		PI	0.29	0.29	0.29	0.29	0.29	0.31	0.31	0.31	0.31	0.31	0.33	0.33	0.33	0.33	0.33	0.35	0.35	0.35	0.35	0.35	0.37	0.37	0.37	0.37	0.37								
	25	TC	2.37	2.37	2.38	2.38	2.38	2.51	2.51	2.52	2.52	2.52	2.66	2.67	2.67	2.67	2.68	2.82	2.83	2.83	2.83	2.83	2.84	2.99	3.00	3.00	3.00	3.01							
		S/T	0.35	0.41	0.47	0.53	0.54	0.37	0.43	0.49	0.56	0.57	0.39	0.46	0.52	0.60	0.61	0.42	0.49	0.55	0.63	0.64	0.44	0.52	0.59	0.67	0.68								
		PI	0.35	0.35	0.35	0.35	0.35	0.37	0.37	0.37	0.37	0.37	0.39	0.39	0.39	0.40	0.40	0.42	0.42	0.42	0.42	0.42	0.44	0.44	0.44	0.44	0.44								
	30	TC	2.46	2.47	2.47	2.47	2.48	2.61	2.62	2.62	2.62	2.63	2.77	2.77	2.78	2.78	2.78	2.94	2.94	2.94	2.95	2.95	3.11	3.12	3.12	3.12	3.13								
		S/T	0.36	0.42	0.48	0.54	0.55	0.38	0.45	0.51	0.58	0.59	0.40	0.47	0.54	0.61	0.62	0.43	0.50	0.57	0.65	0.66	0.45	0.53	0.60	0.69	0.70								
		PI	0.49	0.49	0.49	0.49	0.49	0.52	0.52	0.52	0.52	0.52	0.55	0.55	0.55	0.55	0.55	0.58	0.59	0.59	0.59	0.59	0.62	0.62	0.62	0.62	0.62								
	35	TC	3.50	3.51	3.51	3.52	3.52	3.71	3.72	3.72	3.73	3.73	3.93	3.94	3.94	3.95	3.95	4.17	4.18	4.18	4.19	4.19	4.42	4.43	4.43	4.44	4.44								
		S/T	0.36	0.42	0.48	0.54	0.55	0.38	0.45	0.51	0.58	0.59	0.40	0.47	0.54	0.61	0.62	0.43	0.50	0.57	0.65	0.66	0.45	0.53	0.60	0.69	0.70								
		PI	0.96	0.96	0.96	0.96	0.96	1.02	1.02	1.02	1.02	1.02	1.08	1.08	1.08	1.08	1.08	1.14	1.14	1.15	1.15	1.15	1.21	1.21	1.21	1.22	1.22								
	40	TC	3.16	3.16	3.17	3.17	3.18	3.35	3.35	3.36	3.36	3.37	3.55	3.56	3.56	3.56	3.57	3.76	3.77	3.77	3.78	3.78	3.99	3.99	4.00	4.00	4.01								
		S/T	0.37	0.43	0.49	0.56	0.57	0.39	0.46	0.52	0.59	0.60	0.41	0.48	0.55	0.63	0.64	0.44	0.51	0.58	0.67	0.68	0.46	0.54	0.62	0.70	0.72								
		PI	1.01	1.01	1.01	1.02	1.02	1.07	1.07	1.08	1.08	1.08	1.14	1.14	1.14	1.14	1.14	1.21	1.21	1.21	1.21	1.21	1.28	1.28	1.28	1.28	1.28								
	45	TC	2.69	2.70	2.70	2.70	2.71	2.85	2.86	2.86	2.87	2.87	3.03	3.03	3.03	3.04	3.04	3.21	3.21	3.22	3.22	3.22	3.40	3.40	3.41	3.41	3.42								
		S/T	0.39	0.45	0.51	0.59	0.60	0.41	0.48	0.54	0.62	0.63	0.43	0.51	0.58	0.66	0.67	0.46	0.54	0.61	0.70	0.71	0.49	0.57	0.65	0.74	0.75								
		PI	0.97	0.97	0.97	0.97	0.97	1.03	1.03	1.03	1.03	1.03	1.09	1.09	1.09	1.09	1.09	1.15	1.15	1.16	1.16	1.16	1.22	1.22	1.23	1.23	1.23								
50	TC	1.99	2.00	2.00	2.00	2.00	2.11	2.12	2.12	2.12	2.24	2.24	2.25	2.25	2.25	2.25	2.38	2.38	2.38	2.38	2.39	2.52	2.52	2.52	2.53	2.53									
	S/T	0.39	0.46	0.53	0.60	0.61	0.42	0.49	0.56	0.64	0.65	0.44	0.52	0.59	0.67	0.69	0.47	0.55	0.63	0.71	0.73	0.50	0.58	0.66	0.76	0.77									
163	15	PI	0.80	0.80	0.80	0.80	0.80	0.85	0.85	0.85	0.85	0.85	0.90	0.90	0.90	0.90	0.90	0.95	0.95	0.96	0.96	0.96	1.01	1.01	1.01	1.01	1.01								
		TC	3.24	3.24	3.24	3.25	3.25	3.43	3.44	3.44	3.44	3.45	3.64	3.64	3.65	3.65	3.65	3.86	3.86	3.86	3.87	3.87	4.09	4.09	4.10	4.10	4.11								
		S/T	0.41	0.48	0.55	0.62	0.63	0.43	0.51	0.58	0.66	0.67	0.46	0.54	0.61	0.70	0.71	0.49	0.57	0.65	0.74	0.76	0.52	0.61	0.69	0.79	0.80								
	20	PI	0.29	0.29	0.29	0.29	0.29	0.30	0.30	0.30	0.30	0.31	0.32	0.32	0.32	0.32	0.32	0.34	0.34	0.34	0.34	0.34	0.36	0.36	0.36	0.36	0.36								
		TC	3.06	3.07	3.07	3.08	3.08	3.25	3.25	3.26	3.26	3.26	3.44	3.45	3.45	3.46	3.46	3.65	3.65	3.66	3.66	3.67	3.87	3.87	3.88	3.88	3.89								
		S/T	0.42	0.49	0.56	0.64	0.65	0.45	0.52	0.60	0.68	0.69	0.47	0.56	0.63	0.72	0.73	0.50	0.59	0.67	0.76	0.78	0.53	0.62	0.71	0.81	0.82								
	25	PI	0.36	0.36	0.36	0.36	0.36	0.38	0.38	0.38	0.38	0.38	0.40	0.40	0.40	0.40	0.40	0.43	0.43	0.43	0.43	0.43	0.45	0.45	0.45	0.45	0.45								
		TC	2.89	2.90	2.90	2.90	2.91	3.07	3.07	3.07	3.07	3.08	3.08	3.25	3.25	3.26	3.26	3.27	3.45	3.45	3.45	3.46	3.46	3.65	3.66	3.66	3.67	3.67							
		S/T	0.43	0.50	0.57	0.65	0.66	0.45	0.53	0.60	0.69	0.70	0.48	0.56	0.64	0.73	0.74	0.51	0.60	0.68	0.77	0.79	0.54	0.63	0.72	0.82	0.83								
	30	PI	0.43	0.43	0.43	0.43	0.43	0.45	0.45	0.45	0.45	0.46	0.46	0.48	0.48	0.48	0.48	0.51	0.51	0.51	0.51	0.51	0.54	0.54	0.54	0.54	0.54								
		TC	3.01	3.01	3.02	3.02	3.02	3.19	3.19	3.20	3.20	3.20	3.38	3.38	3.39	3.39	3.40	3.58	3.59	3.59	3.60	3.60	3.80	3.80	3.81	3.81	3.82								
		S/T	0.44	0.51	0.58	0.66	0.68	0.46	0.54	0.62	0.70	0.72	0.49	0.58	0.66	0.75	0.76	0.52	0.61	0.69	0.79	0.81	0.55	0.65	0.74	0.84	0.85								
	35	PI	0.60	0.60	0.60	0.60	0.60	0.63	0.64	0.64	0.64	0.64	0.67	0.67	0.67	0.68	0.68	0.71	0.71	0.72	0.72	0.72	0.76	0.76	0.76	0.76	0.76								
		TC	4.27	4.28	4.29	4.29	4.30	4.53	4.54	4.54	4.55	4.55	4.80	4.81	4.81	4.82	4.83	5.09	5.10	5.10	5.11	5.12	5.40	5.40	5.41	5.42	5.42								
		S/T	0.44	0.51	0.58	0.66	0.68	0.46	0.54	0.62	0.70	0.72	0.49	0.58	0.66	0.75	0.76	0.52	0.61	0.69	0.79	0.81	0.55	0.65	0.74	0.84	0.85								
	40	PI	1.17	1.17	1.17	1.18	1.18	1.24	1.24	1.25	1.25	1.25	1.32	1.32	1.32	1.32	1.32	1.40	1.40	1.40	1.40	1.40	1.48	1.48	1.48	1.48	1.49								
		TC	3.86	3.86	3.87	3.87	3.88	4.09	4.09	4.10	4.10	4.11	4.33	4.34	4.35	4.35	4.36	4.60	4.60	4.61	4.61	4.62	4.87	4.88	4.88	4.89	4.89								
		S/T	0.45	0.53	0.60	0.68	0.69	0.48	0.56	0.63	0.72	0.74	0.50	0.59	0.67	0.77	0.78	0.53	0.63	0.71	0.81	0.83	0.57	0.66	0.75	0.86	0.88								
	45	PI	1.23	1.24	1.24	1.24	1.24	1.31	1.31	1.31	1.31	1.32	1.39	1.39	1.39	1.39	1.39	1.47	1.47	1.47	1.48	1.48	1.56	1.56	1.56	1.56	1.57								
		TC	3.29	3.29	3.30	3.30	3.30	3.48	3.49	3.49	3.50	3.50	3.69	3.70	3.70	3.71	3.71	3.92	3.92	3.92	3.93	3.93	4.15	4.16	4.16	4.17	4.17								
		S/T	0.47	0.55	0.63																														

CAPACITY SELECTION DATA

WRE-060DS/WRC-060DS

HEATING PERFORMANCE									
INDOOR AIRFLOW (L/S)	INDOOR DRY BULB TEMPERATURE								
	OUTDOOR DB(°C)	HC:HEATING CAPACITY (KW)				PI:TOTAL POWER IN KILOWATTS (KW)			
		Indoor Conditions (DB °C)				Indoor Conditions (DB °C)			
		16.0	20.0	22.0	24.0	16.0	20.0	22.0	24.0
135	-15	2.32	2.28	2.35	2.33	1.49	1.50	1.51	1.52
	-10	2.88	2.82	2.91	2.89	1.60	1.62	1.62	1.63
	-5	3.25	3.19	3.29	3.26	1.69	1.70	1.71	1.72
	0	3.36	3.29	3.40	3.37	1.74	1.75	1.76	1.76
	5	4.09	4.00	4.14	4.10	1.95	1.97	1.98	1.98
	10	4.41	4.32	4.47	4.43	1.84	1.86	1.87	1.87
	15	4.19	4.11	4.24	4.21	1.44	1.45	1.46	1.47
163	-15	2.84	2.78	2.76	2.73	1.51	1.52	1.53	1.53
	-10	3.51	3.44	3.41	3.38	1.62	1.63	1.64	1.65
	-5	3.97	3.89	3.85	3.82	1.71	1.72	1.73	1.74
	0	4.10	4.02	3.98	3.95	1.75	1.77	1.77	1.78
	5	4.99	4.89	4.84	4.80	1.97	1.99	2.00	2.00
	10	5.38	5.27	5.23	5.18	1.86	1.88	1.88	1.89
	15	5.11	5.01	4.97	4.92	1.46	1.47	1.47	1.48
205	-15	3.46	3.39	3.36	3.33	1.52	1.54	1.54	1.55
	-10	4.28	4.20	4.16	4.12	1.64	1.65	1.66	1.66
	-5	4.84	4.75	4.70	4.66	1.72	1.74	1.75	1.75
	0	5.01	4.91	4.86	4.82	1.77	1.79	1.79	1.80
	5	6.09	5.97	5.91	5.86	1.99	2.01	2.02	2.02
	10	6.57	6.44	6.38	6.32	1.88	1.90	1.90	1.91
	15	6.24	6.12	6.06	6.01	1.47	1.48	1.49	1.49

Note: The table shows the case where the operation frequency of a compressor is fixed.

NOTES:

1. No allowance has been made for the effect of indoor fan motor.
2. Selection tables are based on nominal airflows.

CAPACITY SELECTION DATA

WRE-072DS/WRC-072DS

COOLING PERFORMANCE																												
ID AIR FLOW (L/S)	OD DB (°C)	ID WB (°C) ID DB (°C)	16.0					18.0					19.0					22.0					23.0					
			23.0	25.0	27.0	29.0	32.0	23.0	25.0	27.0	29.0	32.0	23.0	25.0	27.0	29.0	32.0	23.0	25.0	27.0	29.0	32.0	23.0	25.0	27.0	29.0	32.0	
257	15	TC	2.53	2.53	2.53	2.54	2.54	2.68	2.68	2.69	2.69	2.69	2.84	2.84	2.85	2.85	2.85	3.01	3.01	3.02	3.02	3.03	3.19	3.20	3.20	3.20	3.21	
		S/T	0.28	0.33	0.37	0.42	0.43	0.29	0.35	0.39	0.45	0.46	0.31	0.37	0.42	0.47	0.48	0.33	0.39	0.44	0.50	0.51	0.35	0.41	0.47	0.53	0.54	
		PI	0.23	0.23	0.23	0.23	0.23	0.24	0.24	0.24	0.24	0.24	0.26	0.26	0.26	0.26	0.26	0.27	0.27	0.27	0.27	0.27	0.29	0.29	0.29	0.29	0.29	
	20	TC	2.78	2.78	2.79	2.79	2.79	2.95	2.95	2.95	2.95	2.96	2.96	3.12	3.13	3.13	3.13	3.14	3.31	3.32	3.32	3.32	3.33	3.51	3.51	3.52	3.52	3.53
		S/T	0.29	0.33	0.38	0.43	0.44	0.30	0.35	0.40	0.46	0.47	0.32	0.38	0.43	0.49	0.50	0.34	0.40	0.45	0.52	0.53	0.36	0.42	0.48	0.55	0.56	
		PI	0.40	0.41	0.41	0.41	0.41	0.43	0.43	0.43	0.43	0.43	0.45	0.46	0.46	0.46	0.46	0.48	0.48	0.48	0.48	0.48	0.51	0.51	0.51	0.51	0.51	
	25	TC	3.03	3.04	3.04	3.04	3.04	3.05	3.21	3.22	3.22	3.23	3.23	3.41	3.41	3.42	3.42	3.42	3.61	3.62	3.62	3.63	3.63	3.83	3.83	3.84	3.84	3.85
		S/T	0.29	0.34	0.39	0.44	0.45	0.31	0.36	0.41	0.47	0.47	0.32	0.38	0.43	0.49	0.50	0.34	0.40	0.46	0.52	0.53	0.36	0.43	0.49	0.55	0.56	
		PI	0.58	0.58	0.58	0.58	0.59	0.62	0.62	0.62	0.62	0.62	0.65	0.65	0.66	0.66	0.66	0.69	0.69	0.70	0.70	0.70	0.74	0.74	0.74	0.74	0.74	
	30	TC	3.33	3.34	3.34	3.35	3.35	3.53	3.54	3.54	3.55	3.55	3.75	3.75	3.75	3.76	3.76	3.97	3.98	3.98	3.99	3.99	4.21	4.21	4.22	4.22	4.23	
		S/T	0.30	0.35	0.40	0.45	0.46	0.31	0.37	0.42	0.48	0.49	0.33	0.39	0.44	0.51	0.52	0.35	0.41	0.47	0.54	0.55	0.37	0.44	0.50	0.57	0.58	
		PI	0.82	0.82	0.82	0.82	0.82	0.87	0.87	0.87	0.87	0.87	0.92	0.92	0.92	0.92	0.92	0.97	0.98	0.98	0.98	0.98	1.03	1.03	1.04	1.04	1.04	
	35	TC	3.83	3.83	3.84	3.84	3.85	4.06	4.06	4.06	4.07	4.07	4.08	4.30	4.31	4.31	4.32	4.32	4.56	4.57	4.57	4.58	4.58	4.83	4.84	4.85	4.85	4.86
		S/T	0.30	0.35	0.40	0.45	0.46	0.31	0.37	0.42	0.48	0.49	0.33	0.39	0.44	0.51	0.52	0.35	0.41	0.47	0.54	0.55	0.37	0.44	0.50	0.57	0.58	
		PI	1.29	1.29	1.29	1.29	1.29	1.36	1.37	1.37	1.37	1.45	1.45	1.45	1.45	1.45	1.53	1.53	1.54	1.54	1.54	1.63	1.63	1.63	1.63	1.63	1.63	
	40	TC	3.58	3.58	3.59	3.59	3.60	3.79	3.80	3.80	3.81	3.81	4.02	4.02	4.03	4.03	4.04	4.26	4.27	4.27	4.28	4.28	4.52	4.52	4.53	4.53	4.54	
		S/T	0.30	0.36	0.41	0.46	0.47	0.32	0.38	0.43	0.49	0.50	0.34	0.40	0.46	0.52	0.53	0.36	0.42	0.48	0.55	0.56	0.38	0.45	0.51	0.58	0.59	
		PI	1.37	1.37	1.38	1.38	1.38	1.45	1.46	1.46	1.46	1.54	1.54	1.55	1.55	1.55	1.63	1.64	1.64	1.64	1.64	1.73	1.73	1.74	1.74	1.74	1.74	
	45	TC	3.14	3.15	3.15	3.15	3.16	3.33	3.33	3.34	3.34	3.35	3.53	3.53	3.54	3.54	3.55	3.74	3.75	3.75	3.76	3.76	3.97	3.97	3.98	3.98	3.99	
		S/T	0.32	0.37	0.43	0.48	0.49	0.34	0.40	0.45	0.51	0.52	0.36	0.42	0.48	0.54	0.55	0.38	0.45	0.51	0.58	0.59	0.40	0.47	0.54	0.61	0.62	
		PI	1.32	1.32	1.32	1.32	1.32	1.40	1.40	1.40	1.40	1.48	1.48	1.48	1.48	1.48	1.57	1.57	1.57	1.57	1.58	1.66	1.66	1.67	1.67	1.67	1.67	
	50	TC	2.43	2.43	2.43	2.44	2.44	2.57	2.58	2.58	2.59	2.73	2.73	2.73	2.74	2.74	2.74	2.89	2.89	2.90	2.90	2.90	3.06	3.07	3.07	3.08	3.08	
		S/T	0.33	0.38	0.43	0.50	0.50	0.35	0.41	0.46	0.53	0.53	0.37	0.43	0.49	0.56	0.57	0.39	0.46	0.52	0.59	0.60	0.41	0.48	0.55	0.63	0.64	
		PI	1.07	1.07	1.07	1.07	1.07	1.13	1.13	1.13	1.13	1.14	1.20	1.20	1.20	1.20	1.27	1.27	1.27	1.28	1.28	1.35	1.35	1.35	1.35	1.35	1.35	
313	15	TC	3.39	3.40	3.40	3.41	3.41	3.60	3.60	3.60	3.61	3.61	3.81	3.82	3.82	3.83	3.83	4.04	4.04	4.05	4.06	4.06	4.28	4.29	4.29	4.30	4.30	
		S/T	0.37	0.44	0.50	0.57	0.58	0.40	0.46	0.53	0.60	0.61	0.42	0.49	0.56	0.64	0.65	0.44	0.52	0.59	0.68	0.69	0.47	0.55	0.63	0.72	0.73	
		PI	0.31	0.31	0.31	0.31	0.31	0.32	0.32	0.32	0.32	0.33	0.34	0.34	0.34	0.34	0.36	0.36	0.36	0.37	0.37	0.39	0.39	0.39	0.39	0.39	0.39	
	20	TC	3.73	3.74	3.74	3.75	3.75	3.96	3.96	3.96	3.97	3.97	4.19	4.20	4.20	4.21	4.21	4.44	4.45	4.45	4.46	4.46	4.71	4.72	4.72	4.73	4.73	
		S/T	0.38	0.45	0.51	0.58	0.59	0.41	0.48	0.54	0.62	0.63	0.43	0.50	0.57	0.65	0.67	0.46	0.54	0.61	0.69	0.71	0.48	0.57	0.64	0.73	0.75	
		PI	0.54	0.54	0.54	0.55	0.55	0.58	0.58	0.58	0.58	0.58	0.61	0.61	0.61	0.61	0.65	0.65	0.65	0.65	0.65	0.69	0.69	0.69	0.69	0.69		
	25	TC	4.07	4.08	4.08	4.09	4.09	4.31	4.32	4.32	4.33	4.33	4.57	4.58	4.58	4.59	4.59	4.85	4.85	4.86	4.86	4.86	5.14	5.14	5.15	5.16	5.16	
		S/T	0.39	0.46	0.52	0.59	0.60	0.41	0.48	0.55	0.63	0.64	0.44	0.51	0.58	0.66	0.67	0.46	0.54	0.62	0.70	0.71	0.49	0.57	0.65	0.74	0.76	
		PI	0.78	0.78	0.78	0.78	0.79	0.83	0.83	0.83	0.83	0.83	0.88	0.88	0.88	0.88	0.93	0.93	0.93	0.93	0.94	0.99	0.99	0.99	0.99	0.99	0.99	
	30	TC	4.47	4.48	4.48	4.49	4.50	4.74	4.75	4.75	4.76	4.77	5.03	5.03	5.04	5.04	5.05	5.33	5.33	5.34	5.35	5.35	5.65	5.65	5.66	5.67	5.68	
		S/T	0.40	0.47	0.53	0.60	0.62	0.42	0.49	0.56	0.64	0.65	0.45	0.52	0.60	0.68	0.69	0.47	0.56	0.63	0.72	0.73	0.50	0.59	0.67	0.76	0.78	
		PI	1.10	1.10	1.10	1.10	1.10	1.16	1.16	1.17	1.17	1.17	1.23	1.23	1.24	1.24	1.24	1.31	1.31	1.31	1.31	1.31	1.39	1.39	1.39	1.39	1.39	
	35	TC	5.14	5.15	5.15	5.16	5.16	5.45	5.45	5.46	5.47	5.47	5.77	5.78	5.79	5.79	5.80	6.12	6.13	6.14	6.14	6.15	6.49	6.50	6.50	6.51	6.52	
		S/T	0.40	0.47	0.53	0.60	0.62	0.42	0.49	0.56	0.64	0.65	0.45	0.52	0.60	0.68	0.69	0.47	0.56	0.63	0.72	0.73	0.50	0.59	0.67	0.76	0.78	
		PI	1.73	1.73	1.73	1.73	1.74	1.83	1.83	1.84	1.84	1.84	1.94	1.94	1.95	1.95	1.95	2.06	2.06	2.06	2.06	2.07	2.18	2.18	2.19	2.19	2.19	
	40	TC	4.80	4.81	4.81	4.82	4.83	5.09	5.10	5.10	5.11	5.11	5.39	5.40	5.41	5.41	5.42	5.72	5.73	5.73	5.74	5.75	6.06	6.07	6.08	6.08	6.09	
		S/T	0.41	0.48	0.54	0.62	0.63	0.43	0.51	0.58	0.66	0.67	0.46	0.54	0.61	0.70	0.71	0.49	0.57	0.65	0.74	0.75	0.51	0.60	0.69	0.78	0.80	
		PI	1.84	1.84	1.85	1.85	1.85	1.95	1.95	1.96	1.96	1.96	2.07	2.07	2.07	2.08	2.08	2.19	2.20	2.20	2.20	2.20	2.32	2.33	2.33	2.33	2.34	
	45	TC	4.22	4.22	4.23	4.23	4.24	4.47	4.47	4.48	4.48	4.49	4.74	4.74	4.75	4.75	4.76	5.02	5.03	5.03	5.04	5.05	5.32	5.33	5.34	5.34	5.35	
		S/T	0.43	0.50	0.57	0.65	0.66	0.45	0.53	0.60	0.68	0.70	0.48	0.56	0.64	0.73	0.74	0.51	0.60	0.68	0.77	0.79	0.54	0.63	0.72	0.82	0.84	

CAPACITY SELECTION DATA

WRE-072DS/WRC-072DS

HEATING PERFORMANCE									
INDOOR AIRFLOW (L/S)	INDOOR DRY BULB TEMPERATURE								
	OUTDOOR DB(°C)	HC:HEATING CAPACITY (KW)				PI:TOTAL POWER IN KILOWATTS (KW)			
		Indoor Conditions (DB °C)				Indoor Conditions (DB °C)			
		16.0	20.0	22.0	24.0	16.0	20.0	22.0	24.0
257	-15	2.95	2.89	3.26	3.23	2.36	2.38	2.39	2.40
	-10	3.34	3.27	3.69	3.65	2.48	2.50	2.51	2.52
	-5	3.17	3.11	3.50	3.47	2.28	2.29	2.30	2.31
	0	2.18	2.14	2.41	2.39	1.59	1.60	1.61	1.62
	5	3.46	3.39	3.82	3.79	1.95	1.96	1.97	1.98
	10	4.54	4.44	5.01	4.96	2.14	2.16	2.17	2.17
	15	4.46	4.37	4.93	4.88	1.76	1.77	1.78	1.78
313	-15	3.96	3.88	3.85	3.81	2.38	2.40	2.41	2.42
	-10	4.48	4.39	4.35	4.31	2.50	2.52	2.53	2.54
	-5	4.26	4.17	4.14	4.10	2.30	2.32	2.33	2.34
	0	2.93	2.87	2.84	2.82	1.61	1.62	1.63	1.63
	5	4.64	4.55	4.51	4.47	1.97	1.98	1.99	2.00
	10	6.09	5.96	5.91	5.86	2.16	2.18	2.19	2.20
	15	5.99	5.87	5.82	5.77	1.77	1.79	1.80	1.80
432	-15	5.31	5.21	5.16	5.11	2.41	2.43	2.44	2.45
	-10	6.01	5.89	5.84	5.79	2.53	2.55	2.56	2.57
	-5	5.72	5.60	5.55	5.50	2.32	2.34	2.35	2.36
	0	3.93	3.85	3.81	3.78	1.62	1.64	1.64	1.65
	5	6.23	6.11	6.05	6.00	1.99	2.00	2.01	2.02
	10	8.17	8.00	7.93	7.86	2.18	2.20	2.21	2.22
	15	8.04	7.88	7.81	7.74	1.79	1.81	1.81	1.82

Note: The table shows the case where the operation frequency of a compressor is fixed.

NOTES:

1. No allowance has been made for the effect of indoor fan motor.
2. Selection tables are based on nominal airflows.

CAPACITY SELECTION DATA

WRE-080DS/WRC-080DS

COOLING PERFORMANCE																													
ID AIR FLOW (L/S)	OD DB (°C)	ID WB (°C) ID DB (°C)	16.0					18.0					19.0					22.0					23.0						
			23.0	25.0	27.0	29.0	32.0	23.0	25.0	27.0	29.0	32.0	23.0	25.0	27.0	29.0	32.0	23.0	25.0	27.0	29.0	32.0	23.0	25.0	27.0	29.0	32.0		
			TC	S/T	PI	TC	S/T	PI	TC	S/T	PI	TC	S/T	PI	TC	S/T	PI	TC	S/T	PI	TC	S/T	PI	TC	S/T	PI	TC	S/T	PI
257	15	TC	2.81	2.81	2.82	2.82	2.82	2.98	2.98	2.98	2.99	2.99	3.16	3.16	3.16	3.17	3.17	3.35	3.35	3.35	3.36	3.36	3.55	3.55	3.55	3.56	3.56		
		S/T	0.28	0.33	0.37	0.42	0.43	0.29	0.35	0.39	0.45	0.46	0.31	0.37	0.42	0.47	0.48	0.33	0.39	0.44	0.50	0.51	0.35	0.41	0.47	0.53	0.54		
		PI	0.25	0.25	0.25	0.25	0.25	0.27	0.27	0.27	0.27	0.27	0.28	0.28	0.28	0.29	0.29	0.30	0.30	0.30	0.30	0.30	0.32	0.32	0.32	0.32	0.32		
	20	TC	3.09	3.09	3.10	3.10	3.10	3.27	3.28	3.28	3.29	3.29	3.47	3.47	3.48	3.48	3.49	3.68	3.68	3.69	3.69	3.70	3.90	3.90	3.91	3.91	3.92		
		S/T	0.29	0.33	0.38	0.43	0.44	0.30	0.35	0.40	0.46	0.47	0.32	0.38	0.43	0.49	0.50	0.34	0.40	0.45	0.52	0.53	0.36	0.42	0.48	0.55	0.56		
		PI	0.45	0.45	0.45	0.45	0.45	0.48	0.48	0.48	0.48	0.48	0.51	0.51	0.51	0.51	0.51	0.54	0.54	0.54	0.54	0.54	0.57	0.57	0.57	0.57	0.57		
	25	TC	3.37	3.37	3.38	3.38	3.38	3.57	3.58	3.58	3.58	3.59	3.79	3.79	3.80	3.80	3.80	4.01	4.02	4.02	4.04	4.03	4.25	4.26	4.26	4.27	4.28		
		S/T	0.29	0.34	0.39	0.44	0.45	0.31	0.36	0.41	0.47	0.47	0.32	0.38	0.43	0.49	0.50	0.34	0.40	0.46	0.52	0.53	0.36	0.43	0.49	0.55	0.56		
		PI	0.65	0.65	0.65	0.65	0.65	0.69	0.69	0.69	0.69	0.69	0.73	0.73	0.73	0.73	0.73	0.77	0.77	0.77	0.77	0.77	0.82	0.82	0.82	0.82	0.82		
	30	TC	3.70	3.71	3.71	3.72	3.72	3.93	3.93	3.94	3.94	3.95	4.16	4.17	4.17	4.18	4.18	4.41	4.42	4.42	4.43	4.43	4.68	4.68	4.69	4.69	4.70		
		S/T	0.30	0.35	0.40	0.45	0.46	0.31	0.37	0.42	0.48	0.49	0.33	0.39	0.44	0.51	0.52	0.35	0.41	0.47	0.54	0.55	0.37	0.44	0.50	0.57	0.58		
		PI	0.91	0.91	0.91	0.91	0.91	0.96	0.96	0.97	0.97	0.97	1.02	1.02	1.02	1.02	1.03	1.08	1.08	1.09	1.09	1.09	1.15	1.15	1.15	1.15	1.15		
	35	TC	4.25	4.26	4.26	4.27	4.28	4.51	4.52	4.52	4.53	4.53	4.78	4.79	4.79	4.80	4.80	5.07	5.07	5.08	5.09	5.09	5.37	5.38	5.38	5.39	5.40		
		S/T	0.30	0.35	0.40	0.45	0.46	0.31	0.37	0.42	0.48	0.49	0.33	0.39	0.44	0.51	0.52	0.35	0.41	0.47	0.54	0.55	0.37	0.44	0.50	0.57	0.58		
		PI	1.43	1.43	1.43	1.44	1.44	1.52	1.52	1.52	1.52	1.52	1.61	1.61	1.61	1.61	1.61	1.70	1.71	1.71	1.71	1.71	1.81	1.81	1.81	1.81	1.81		
	40	TC	3.98	3.98	3.99	3.99	4.00	4.21	4.22	4.22	4.23	4.23	4.47	4.47	4.48	4.48	4.49	4.74	4.74	4.75	4.75	4.76	5.02	5.02	5.03	5.04	5.04		
		S/T	0.30	0.36	0.41	0.46	0.47	0.32	0.38	0.43	0.49	0.50	0.34	0.40	0.46	0.52	0.53	0.36	0.42	0.48	0.55	0.56	0.38	0.45	0.51	0.58	0.59		
		PI	1.52	1.53	1.53	1.53	1.53	1.62	1.62	1.62	1.62	1.62	1.71	1.71	1.72	1.72	1.72	1.82	1.82	1.82	1.82	1.82	1.92	1.93	1.93	1.93	1.93		
	45	TC	3.49	3.50	3.50	3.50	3.51	3.70	3.70	3.71	3.71	3.72	3.92	3.93	3.93	3.94	3.94	4.16	4.16	4.17	4.17	4.18	4.41	4.41	4.42	4.42	4.43		
		S/T	0.32	0.37	0.43	0.48	0.49	0.34	0.40	0.45	0.51	0.52	0.36	0.42	0.48	0.54	0.55	0.38	0.45	0.51	0.58	0.59	0.40	0.47	0.54	0.61	0.62		
		PI	1.46	1.46	1.47	1.47	1.47	1.55	1.55	1.55	1.56	1.56	1.64	1.65	1.65	1.65	1.65	1.74	1.74	1.75	1.75	1.75	1.85	1.85	1.85	1.85	1.86		
	50	TC	2.70	2.70	2.70	2.71	2.71	2.86	2.86	2.87	2.87	2.87	3.03	3.03	3.04	3.04	3.04	3.21	3.22	3.22	3.22	3.23	3.40	3.41	3.41	3.42	3.42		
		S/T	0.33	0.38	0.43	0.50	0.50	0.35	0.41	0.46	0.53	0.53	0.37	0.43	0.49	0.56	0.57	0.39	0.46	0.52	0.59	0.60	0.41	0.48	0.55	0.63	0.64		
		PI	1.19	1.19	1.19	1.19	1.19	1.26	1.26	1.26	1.26	1.26	1.33	1.33	1.33	1.34	1.34	1.41	1.41	1.42	1.42	1.42	1.50	1.50	1.50	1.50	1.50		
313	15	TC	3.77	3.77	3.78	3.78	3.79	4.00	4.00	4.00	4.01	4.01	4.23	4.23	4.25	4.25	4.26	4.49	4.49	4.50	4.51	4.51	4.76	4.76	4.77	4.78	4.78		
		S/T	0.37	0.44	0.50	0.57	0.58	0.40	0.46	0.53	0.60	0.61	0.42	0.49	0.56	0.64	0.65	0.44	0.52	0.59	0.68	0.69	0.47	0.55	0.63	0.72	0.73		
		PI	0.34	0.34	0.34	0.34	0.34	0.36	0.36	0.36	0.36	0.36	0.38	0.38	0.38	0.38	0.38	0.40	0.40	0.41	0.41	0.41	0.43	0.43	0.43	0.43	0.43		
	20	TC	4.15	4.15	4.16	4.16	4.17	4.39	4.40	4.40	4.41	4.42	4.66	4.66	4.67	4.67	4.68	4.94	4.94	4.95	4.96	4.96	5.23	5.24	5.25	5.25	5.26		
		S/T	0.38	0.45	0.51	0.58	0.59	0.41	0.48	0.54	0.62	0.63	0.43	0.50	0.57	0.65	0.67	0.46	0.54	0.61	0.69	0.71	0.48	0.57	0.64	0.73	0.75		
		PI	0.60	0.60	0.61	0.61	0.61	0.64	0.64	0.64	0.64	0.64	0.68	0.68	0.68	0.68	0.68	0.72	0.72	0.72	0.72	0.72	0.76	0.76	0.76	0.77	0.77		
	25	TC	4.52	4.53	4.53	4.54	4.54	4.79	4.80	4.80	4.81	4.82	5.08	5.09	5.09	5.10	5.10	5.39	5.39	5.40	5.41	5.41	5.71	5.72	5.72	5.73	5.74		
		S/T	0.39	0.46	0.52	0.59	0.60	0.41	0.48	0.55	0.63	0.64	0.44	0.51	0.58	0.66	0.67	0.46	0.54	0.62	0.70	0.71	0.49	0.57	0.65	0.74	0.76		
		PI	0.87	0.87	0.87	0.87	0.87	0.92	0.92	0.92	0.92	0.92	0.98	0.98	0.98	0.98	0.98	1.03	1.04	1.04	1.04	1.04	1.10	1.10	1.10	1.10	1.10		
	30	TC	4.97	4.98	4.98	4.99	5.00	5.27	5.28	5.28	5.29	5.29	5.58	5.59	5.60	5.61	5.61	5.92	5.93	5.93	5.94	5.95	6.28	6.28	6.29	6.30	6.31		
		S/T	0.40	0.47	0.53	0.60	0.62	0.42	0.49	0.56	0.64	0.65	0.45	0.52	0.60	0.68	0.69	0.47	0.56	0.63	0.72	0.73	0.50	0.59	0.67	0.76	0.78		
		PI	1.22	1.22	1.22	1.22	1.23	1.29	1.29	1.30	1.30	1.30	1.37	1.37	1.37	1.38	1.38	1.45	1.45	1.46	1.46	1.46	1.54	1.54	1.54	1.55	1.55		
	35	TC	5.71	5.72	5.72	5.73	5.74	6.05	6.06	6.07	6.07	6.08	6.41	6.42	6.43	6.44	6.45	6.80	6.81	6.82	6.83	6.83	7.21	7.22	7.23	7.23	7.24		
		S/T	0.40	0.47	0.53	0.60	0.62	0.42	0.49	0.56	0.64	0.65	0.45	0.52	0.60	0.68	0.69	0.47	0.56	0.63	0.72	0.73	0.50	0.59	0.67	0.76	0.78		
		PI	1.92	1.92	1.92	1.93	1.93	2.03	2.04	2.04	2.04	2.04	2.16	2.16	2.16	2.16	2.17	2.29	2.29	2.29	2.29	2.30	2.42	2.43	2.43	2.43	2.44		
	40	TC	5.33	5.34	5.35	5.36	5.36	5.66	5.66	5.67	5.68	5.68	5.99	6.00	6.01	6.02	6.02	6.35	6.36	6.37	6.38	6.39	6.74	6.74	6.75	6.76	6.77		
		S/T	0.41	0.48	0.54	0.62	0.63	0.43	0.51	0.58	0.66	0.67	0.46	0.54	0.61	0.70	0.71	0.49	0.57	0.65	0.74	0.75	0.51	0.60	0.69	0.78	0.80		
		PI	2.05	2.05	2.05	2.05	2.06	2.17	2.17	2.17	2.18	2.18	2.30	2.30	2.30	2.31	2.31	2.44	2.44	2.44	2.45	2.45	2.58	2.59	2.59	2.59	2.60		
	45	TC	4.68	4.69	4.70	4.70	4.71	4.97	4.97	4.98	4.98	4.99	5.26	5.27	5.28	5.28	5.29	5.58	5.59	5.59	5.60	5.61	5.91	5.92	5.93	5.94	5.94		
		S/T	0.43	0.50	0.57	0.65	0.66	0.45	0.53	0.60	0.69	0.70																	

CAPACITY SELECTION DATA

WRE-080DS/WRC-080DS

HEATING PERFORMANCE									
INDOOR AIRFLOW (L/S)	INDOOR DRY BULB TEMPERATURE								
	OUTDOOR DB(°C)	HC:HEATING CAPACITY (KW)				PI:TOTAL POWER IN KILOWATTS (KW)			
		Indoor Conditions (DB °C)				Indoor Conditions (DB °C)			
		16.0	20.0	22.0	24.0	16.0	20.0	22.0	24.0
257	-15	3.28	3.21	3.62	3.59	2.62	2.64	2.65	2.66
	-10	3.71	3.64	4.09	4.06	2.75	2.77	2.79	2.80
	-5	3.53	3.46	3.89	3.86	2.53	2.55	2.56	2.57
	0	2.42	2.38	2.67	2.65	1.77	1.78	1.79	1.80
	5	3.85	3.77	4.24	4.21	2.16	2.18	2.19	2.20
	10	5.04	4.94	5.56	5.51	2.38	2.40	2.41	2.42
	15	4.96	4.86	5.47	5.42	1.95	1.97	1.97	1.98
313	-15	4.40	4.31	4.27	4.23	2.65	2.67	2.68	2.69
	-10	4.98	4.88	4.84	4.79	2.78	2.80	2.81	2.83
	-5	4.73	4.64	4.60	4.56	2.55	2.57	2.58	2.59
	0	3.25	3.19	3.16	3.13	1.79	1.80	1.81	1.81
	5	5.16	5.06	5.01	4.97	2.19	2.20	2.21	2.22
	10	6.76	6.63	6.57	6.51	2.40	2.42	2.43	2.44
	15	6.66	6.52	6.46	6.41	1.97	1.99	1.99	2.00
432	-15	5.90	5.79	5.73	5.68	2.67	2.70	2.71	2.72
	-10	6.68	6.55	6.49	6.43	2.81	2.83	2.84	2.85
	-5	6.35	6.22	6.17	6.11	2.58	2.60	2.61	2.62
	0	4.36	4.28	4.24	4.20	1.80	1.82	1.83	1.83
	5	6.92	6.79	6.73	6.66	2.21	2.23	2.24	2.24
	10	9.08	8.89	8.81	8.73	2.43	2.45	2.45	2.46
	15	8.93	8.75	8.67	8.60	1.99	2.01	2.02	2.02

Note: The table shows the case where the operation frequency of a compressor is fixed.

NOTES:

1. No allowance has been made for the effect of indoor fan motor.
2. Selection tables are based on nominal airflows.

CAPACITY SELECTION DATA

WRE-090DS/WRC-090DS

COOLING PERFORMANCE																																			
ID AIR FLOW (L/S)	OD DB (°C)	ID WB (°C)	16.0					18.0					19.0					22.0					23.0												
		ID DB (°C)	23.0	25.0	27.0	29.0	32.0	23.0	25.0	27.0	29.0	32.0	23.0	25.0	27.0	29.0	32.0	23.0	25.0	27.0	29.0	32.0	23.0	25.0	27.0	29.0	32.0								
		TC	S/T	PI	TC	S/T	PI	TC	S/T	PI	TC	S/T	PI	TC	S/T	PI	TC	S/T	PI	TC	S/T	PI	TC	S/T	PI	TC	S/T	PI							
233	15	TC	4.04	4.05	4.05	4.06	4.06	4.29	4.29	4.30	4.30	4.31	4.54	4.55	4.55	4.56	4.56	4.82	4.82	4.83	4.83	4.84	5.11	5.11	5.12	5.12	5.13								
		S/T	0.32	0.38	0.43	0.49	0.50	0.34	0.40	0.46	0.52	0.53	0.36	0.43	0.48	0.55	0.56	0.39	0.45	0.51	0.59	0.60	0.41	0.48	0.54	0.62	0.63								
		PI	1.15	1.15	1.16	1.16	1.16	1.22	1.22	1.22	1.23	1.23	1.29	1.30	1.30	1.30	1.30	1.37	1.37	1.38	1.38	1.38	1.46	1.46	1.46	1.46	1.46								
	20	TC	4.24	4.24	4.25	4.25	4.26	4.49	4.50	4.50	4.51	4.51	4.76	4.77	4.77	4.78	4.78	5.05	5.05	5.06	5.07	5.07	5.35	5.36	5.36	5.37	5.38								
		S/T	0.33	0.39	0.44	0.50	0.51	0.35	0.41	0.47	0.54	0.54	0.37	0.44	0.50	0.57	0.58	0.40	0.46	0.53	0.60	0.61	0.42	0.49	0.56	0.64	0.65								
		PI	1.17	1.17	1.17	1.17	1.18	1.24	1.24	1.24	1.24	1.25	1.31	1.32	1.32	1.32	1.32	1.39	1.40	1.40	1.40	1.40	1.48	1.48	1.48	1.48	1.48								
	25	TC	4.43	4.44	4.44	4.45	4.46	4.70	4.70	4.71	4.72	4.72	4.98	4.99	4.99	5.00	5.00	5.28	5.29	5.29	5.30	5.31	5.60	5.60	5.61	5.62	5.62								
		S/T	0.34	0.39	0.45	0.51	0.52	0.36	0.42	0.48	0.54	0.55	0.38	0.44	0.50	0.57	0.58	0.40	0.47	0.53	0.61	0.62	0.42	0.50	0.57	0.65	0.66								
		PI	1.19	1.19	1.19	1.19	1.19	1.26	1.26	1.26	1.26	1.26	1.33	1.34	1.34	1.34	1.34	1.41	1.42	1.42	1.42	1.42	1.50	1.50	1.50	1.50	1.51								
	30	TC	4.71	4.71	4.72	4.72	4.73	4.99	4.99	5.00	5.01	5.01	5.29	5.29	5.30	5.31	5.31	5.61	5.61	5.62	5.63	5.63	5.94	5.95	5.96	5.96	5.97								
		S/T	0.35	0.40	0.46	0.52	0.53	0.37	0.43	0.49	0.56	0.57	0.39	0.45	0.52	0.59	0.60	0.41	0.48	0.55	0.62	0.64	0.44	0.51	0.58	0.66	0.67								
		PI	1.29	1.29	1.29	1.30	1.30	1.37	1.37	1.37	1.37	1.38	1.45	1.45	1.46	1.46	1.46	1.54	1.54	1.54	1.54	1.55	1.63	1.63	1.63	1.64	1.64								
	35	TC	5.29	5.30	5.30	5.31	5.31	5.61	5.61	5.62	5.63	5.63	5.94	5.95	5.96	5.96	5.97	6.30	6.31	6.31	6.32	6.33	6.68	6.68	6.69	6.70	6.71								
		S/T	0.35	0.40	0.46	0.52	0.53	0.37	0.43	0.49	0.56	0.57	0.39	0.45	0.52	0.59	0.60	0.41	0.48	0.55	0.62	0.64	0.44	0.51	0.58	0.66	0.67								
		PI	1.74	1.75	1.75	1.75	1.75	1.85	1.85	1.85	1.86	1.86	1.96	1.96	1.96	1.97	1.97	2.08	2.08	2.08	2.08	2.09	2.20	2.20	2.21	2.21	2.21								
	40	TC	4.45	4.45	4.46	4.46	4.47	4.71	4.72	4.72	4.73	4.74	5.00	5.00	5.01	5.01	5.02	5.30	5.30	5.31	5.32	5.32	5.61	5.62	5.63	5.63	5.64								
		S/T	0.35	0.42	0.47	0.54	0.55	0.37	0.44	0.50	0.57	0.58	0.40	0.47	0.53	0.60	0.61	0.42	0.49	0.56	0.64	0.65	0.45	0.52	0.60	0.68	0.69								
		PI	1.77	1.77	1.77	1.78	1.78	1.88	1.88	1.88	1.88	1.89	1.99	1.99	1.99	2.00	2.00	2.11	2.11	2.11	2.12	2.12	2.24	2.24	2.24	2.24	2.25								
	45	TC	3.67	3.68	3.68	3.69	3.69	3.89	3.90	3.90	3.91	3.91	4.12	4.13	4.14	4.14	4.14	4.37	4.38	4.38	4.39	4.39	4.64	4.64	4.65	4.65	4.66								
		S/T	0.37	0.44	0.49	0.56	0.57	0.39	0.46	0.52	0.60	0.61	0.42	0.49	0.56	0.63	0.64	0.44	0.52	0.59	0.67	0.68	0.47	0.55	0.62	0.71	0.72								
		PI	1.70	1.70	1.70	1.71	1.71	1.80	1.80	1.81	1.81	1.81	1.91	1.91	1.91	1.92	1.92	2.02	2.03	2.03	2.03	2.03	2.15	2.15	2.15	2.15	2.16								
	50	TC	2.70	2.71	2.71	2.71	2.72	2.87	2.87	2.87	2.88	2.88	3.04	3.04	3.05	3.05	3.05	3.22	3.23	3.23	3.24	3.24	3.42	3.42	3.42	3.43	3.43								
		S/T	0.38	0.45	0.51	0.58	0.59	0.40	0.47	0.54	0.61	0.62	0.43	0.50	0.57	0.65	0.66	0.45	0.53	0.60	0.69	0.70	0.48	0.56	0.64	0.73	0.74								
		PI	1.34	1.34	1.34	1.34	1.34	1.42	1.42	1.42	1.42	1.42	1.50	1.50	1.51	1.51	1.51	1.59	1.59	1.60	1.60	1.60	1.69	1.69	1.69	1.69	1.70								
267	15	TC	5.03	5.04	5.04	5.05	5.05	5.33	5.34	5.34	5.35	5.36	5.65	5.66	5.67	5.67	5.68	5.99	6.00	6.01	6.01	6.02	6.35	6.36	6.37	6.37	6.38								
		S/T	0.40	0.47	0.54	0.61	0.62	0.43	0.50	0.57	0.65	0.66	0.45	0.53	0.60	0.69	0.70	0.48	0.56	0.64	0.73	0.74	0.51	0.60	0.68	0.77	0.79								
		PI	1.43	1.44	1.44	1.44	1.44	1.52	1.52	1.52	1.53	1.53	1.61	1.61	1.62	1.62	1.62	1.71	1.71	1.71	1.71	1.72	1.81	1.81	1.81	1.82	1.82								
	20	TC	5.27	5.28	5.28	5.29	5.30	5.59	5.60	5.60	5.61	5.62	5.92	5.93	5.94	5.94	5.95	6.28	6.29	6.29	6.30	6.31	6.66	6.66	6.67	6.68	6.69								
		S/T	0.41	0.48	0.55	0.63	0.64	0.44	0.51	0.58	0.67	0.68	0.46	0.54	0.62	0.71	0.72	0.49	0.58	0.66	0.75	0.76	0.52	0.61	0.70	0.79	0.81								
		PI	1.46	1.46	1.46	1.46	1.46	1.54	1.54	1.55	1.55	1.55	1.64	1.64	1.64	1.64	1.64	1.73	1.74	1.74	1.74	1.74	1.84	1.84	1.84	1.84	1.85								
	25	TC	5.51	5.52	5.53	5.54	5.54	5.85	5.85	5.86	5.87	5.87	6.20	6.20	6.21	6.22	6.23	6.57	6.58	6.58	6.59	6.60	6.96	6.97	6.98	6.99	7.00								
		S/T	0.42	0.49	0.56	0.64	0.65	0.44	0.52	0.59	0.67	0.69	0.47	0.55	0.63	0.71	0.73	0.50	0.58	0.66	0.76	0.77	0.53	0.62	0.70	0.80	0.82								
		PI	1.48	1.48	1.48	1.48	1.48	1.57	1.57	1.57	1.57	1.57	1.66	1.66	1.66	1.67	1.67	1.76	1.76	1.76	1.76	1.77	1.87	1.87	1.87	1.87	1.87								
	30	TC	5.85	5.86	5.87	5.88	5.88	6.21	6.21	6.22	6.23	6.23	6.58	6.58	6.59	6.60	6.61	6.97	6.98	6.99	7.00	7.01	7.39	7.40	7.41	7.42	7.43								
		S/T	0.43	0.50	0.57	0.65	0.66	0.46	0.53	0.61	0.69	0.70	0.48	0.57	0.64	0.73	0.75	0.51	0.60	0.68	0.78	0.79	0.54	0.64	0.72	0.82	0.84								
		PI	1.61	1.61	1.61	1.61	1.61	1.70	1.71	1.71	1.71	1.71	1.81	1.81	1.81	1.81	1.81	1.91	1.92	1.92	1.92	1.92	2.03	2.03	2.03	2.04	2.04								
	35	TC	6.58	6.59	6.59	6.60	6.61	6.97	6.98	6.99	7.00	7.01	7.39	7.40	7.41	7.42	7.43	7.84	7.84	7.85	7.86	7.87	8.31	8.32	8.33	8.34	8.35								
		S/T	0.43	0.50	0.57	0.65	0.66	0.46	0.53	0.61	0.69	0.70	0.48	0.57	0.64	0.73	0.75	0.51	0.60	0.68	0.78	0.79	0.54	0.64	0.72	0.82	0.84								
		PI	2.17	2.17	2.17	2.18	2.18	2.30	2.30	2.30	2.31	2.31	2.44	2.44	2.44	2.45	2.45	2.58	2.59	2.59	2.59	2.60	2.74	2.74	2.75	2.75	2.75								
	40	TC	5.53	5.54	5.54	5.55	5.56	5.86	5.87	5.88	5.88	5.89	6.21	6.22	6.23	6.24	6.24	6.59	6.60	6.60	6.61	6.62	6.98	6.99	7.00	7.01	7.02								
		S/T	0.44	0.52	0.59	0.67	0.68	0.47	0.55	0.62	0.71	0.72	0.49	0.58	0.66	0.75	0.76	0.52	0.61	0.70	0.80	0.81	0.56	0.65	0.74	0.84	0.86								
		PI	2.20	2.21	2.21	2.21	2.21	2.33	2.34	2.34	2.34	2.35	2.47	2.48	2.48	2.48	2.49	2.62	2.63	2.63	2.63	2.64	2.78	2.78	2.79	2.79	2.79								
	45	TC	4.57	4.57	4.58	4.58	4.59	4.84	4.85	4.85	4.86	4.86	5.13	5.14	5.14	5.15	5.16	5.44	5.45	5.45	5.46	5.47	5.77	5.77	5.78	5.79	5.79								
		S/T	0.46	0.54	0.62	0.70	0.71	0.49	0.57	0.65	0.74	0.76</																							

CAPACITY SELECTION DATA

WRE-090DS/WRC-090DS

HEATING PERFORMANCE									
INDOOR AIRFLOW (L/S)	INDOOR DRY BULB TEMPERATURE								
	OUTDOOR DB(°C)	HC:HEATING CAPACITY (KW)				PI:TOTAL POWER IN KILOWATTS (KW)			
		Indoor Conditions (DB °C)				Indoor Conditions (DB °C)			
		16.0	20.0	22.0	24.0	16.0	20.0	22.0	24.0
233	-15	3.28	3.21	3.57	3.54	2.65	2.67	2.68	2.69
	-10	4.06	3.98	4.42	4.38	2.76	2.78	2.79	2.80
	-5	4.73	4.64	5.15	5.11	2.84	2.86	2.88	2.89
	0	5.26	5.15	5.72	5.67	2.89	2.91	2.92	2.93
	5	6.07	5.95	6.61	6.55	2.71	2.74	2.75	2.76
	10	6.28	6.16	6.84	6.78	2.38	2.40	2.41	2.42
	15	5.96	5.84	6.49	6.43	2.03	2.05	2.05	2.06
267	-15	4.08	4.00	3.96	3.93	2.68	2.70	2.71	2.72
	-10	5.05	4.95	4.90	4.86	2.79	2.81	2.82	2.83
	-5	5.89	5.77	5.72	5.67	2.87	2.89	2.90	2.92
	0	6.54	6.41	6.35	6.29	2.92	2.94	2.95	2.96
	5	7.55	7.40	7.33	7.27	2.74	2.76	2.77	2.79
	10	7.81	7.66	7.59	7.52	2.40	2.42	2.43	2.44
	15	7.42	7.27	7.20	7.14	2.05	2.07	2.07	2.08
342	-15	5.07	4.97	4.93	4.88	2.70	2.73	2.74	2.75
	-10	6.28	6.15	6.10	6.04	2.81	2.84	2.85	2.86
	-5	7.32	7.18	7.11	7.05	2.90	2.92	2.93	2.95
	0	8.13	7.97	7.90	7.83	2.95	2.97	2.98	2.99
	5	9.39	9.20	9.12	9.04	2.77	2.79	2.80	2.81
	10	9.72	9.52	9.44	9.35	2.43	2.45	2.46	2.47
	15	9.23	9.04	8.96	8.88	2.07	2.09	2.10	2.10

Note: The table shows the case where the operation frequency of a compressor is fixed.

NOTES:

1. No allowance has been made for the effect of indoor fan motor.
2. Selection tables are based on nominal airflows.

PIPE LENGTH CORRECTION MULTIPLIER

SERENE DS

WRC-026DS / WRE-026DS

 	Indoor Higher Than Outdoor			PIPE LENGTH (m)			
				5	10	20	25
	H = Height Difference (m)	Cooling	10	---	0.985	0.985	0.920
			5	0.995	0.995	0.995	0.929
			0	1.000	1.000	1.000	0.934
		Heating	10	---	0.989	0.967	0.956
			5	1.000	0.989	0.967	0.956
			0	1.000	0.989	0.967	0.956
	Outdoor Higher Than Indoor			PIPE LENGTH (m)			
				5	10	20	25
H = Height Difference (m)	Cooling	0	1.000	0.984	0.951	0.934	
		5	1.000	0.984	0.951	0.934	
		10	---	0.984	0.951	0.934	
	Heating	0	1.000	0.989	0.967	0.956	
		5	0.992	0.981	0.959	0.948	
		10	---	0.973	0.952	0.941	

WRC-035DS / WRE-035DS

 	Indoor Higher Than Outdoor			PIPE LENGTH (m)			
				5	10	20	25
	H = Height Difference (m)	Cooling	10	---	0.985	0.985	0.936
			5	0.995	0.995	0.995	0.945
			0	1.000	1.000	1.000	0.950
		Heating	10	---	0.993	0.978	0.970
			5	1.000	0.993	0.978	0.970
			0	1.000	0.993	0.978	0.970
	Outdoor Higher Than Indoor			PIPE LENGTH (m)			
				5	10	20	25
	H = Height Difference (m)	Cooling	0	1.000	0.988	0.963	0.950
			5	1.000	0.988	0.963	0.950
			10	---	0.988	0.963	0.950
Heating		0	1.000	0.993	0.978	0.970	
		5	0.992	0.985	0.970	0.962	
		10	---	0.977	0.962	0.955	

WRC-050DS / WRE-050DS
WRC-060DS / WRE-060DS

	Indoor Higher Than Outdoor			PIPE LENGTH (m)			
				5	10	20	30
	H = Height Difference (m)	Cooling	20	---	---	0.975	0.912
			10	---	0.985	0.985	0.921
			5	0.995	0.995	0.995	0.930
			0	1.000	1.000	1.000	0.935
		Heating	20	---	---	0.982	0.976
			10	---	0.994	0.982	0.976
			5	1.000	0.994	0.982	0.976
			0	1.000	0.994	0.982	0.976
Outdoor Higher Than Indoor			PIPE LENGTH (m)				
			5	10	20	30	
	H = Height Difference (m)	Cooling	0	1.000	0.984	0.951	0.935
			5	1.000	0.984	0.951	0.935
			10	---	0.984	0.951	0.935
			20	---	---	0.951	0.935
		Heating	0	1.000	0.994	0.982	0.976
			5	0.992	0.986	0.974	0.968
			10	---	0.978	0.966	0.960
			20	---	---	0.959	0.953

PIPE LENGTH CORRECTION MULTIPLIER

SERENE DS

WRC-072DS / WRE-072DS
WRC-080DS / WRE-080DS

 	Indoor Higher Than Outdoor			PIPE LENGTH (m)					
				5	10	20	30	40	50
	H = Height Difference (m)	Cooling	25	---	---	---	0.965	0.965	0.874
			20	---	---	0.975	0.975	0.975	0.883
			10	---	0.985	0.985	0.985	0.985	0.891
			5	0.995	0.995	0.995	0.995	0.995	0.900
			0	1.000	1.000	1.000	1.000	1.000	0.905
		Heating	25	---	---	---	0.983	0.977	0.970
			20	---	---	0.990	0.983	0.977	0.970
			10	---	0.997	0.990	0.983	0.977	0.970
			5	1.000	0.997	0.990	0.983	0.977	0.970
			0	1.000	0.997	0.990	0.983	0.977	0.970
	Outdoor Higher Than Indoor			PIPE LENGTH (m)					
				5	10	20	30	40	50
	H = Height Difference (m)	Cooling	0	1.000	0.989	0.968	0.947	0.926	0.905
			5	1.000	0.989	0.968	0.947	0.926	0.905
			10	---	0.989	0.968	0.947	0.926	0.905
			20	---	---	0.968	0.947	0.926	0.905
25			---	---	---	0.947	0.926	0.905	
Heating		0	1.000	0.997	0.990	0.983	0.977	0.970	
		5	0.992	0.989	0.982	0.975	0.969	0.962	
		10	---	0.981	0.974	0.968	0.961	0.955	
		20	---	---	0.966	0.960	0.953	0.947	
		25	---	---	---	0.952	0.946	0.939	

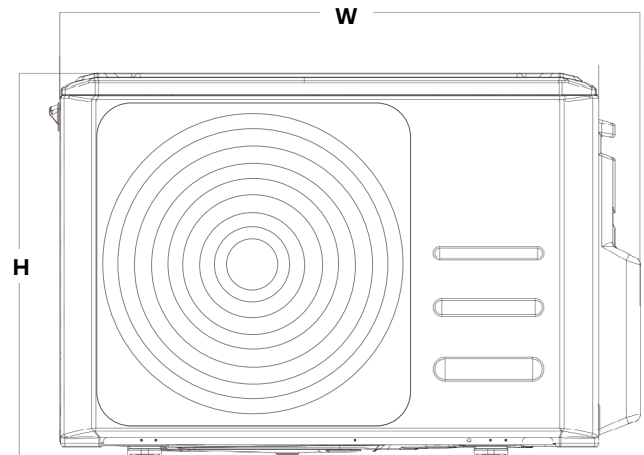
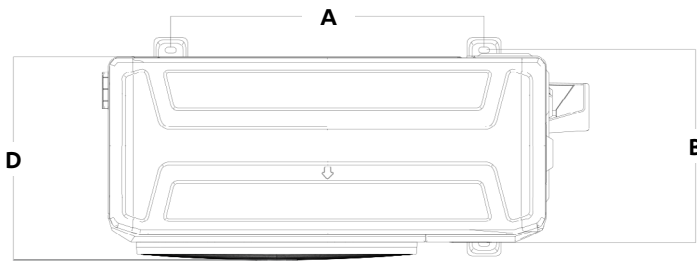
WRC-090DS / WRE-090DS

 	Indoor Higher Than Outdoor			PIPE LENGTH (m)					
				5	10	20	30	40	50
	H = Height Difference (m)	Cooling	25	---	---	---	0.965	0.965	0.824
			20	---	---	0.975	0.975	0.975	0.833
			10	---	0.985	0.985	0.985	0.985	0.841
			5	0.995	0.995	0.995	0.995	0.995	0.850
			0	1.000	1.000	1.000	1.000	1.000	0.854
		Heating	25	---	---	---	0.958	0.942	0.925
			20	---	---	0.975	0.958	0.942	0.925
			10	---	0.992	0.975	0.958	0.942	0.925
			5	1.000	0.992	0.975	0.958	0.942	0.925
			0	1.000	0.992	0.975	0.958	0.942	0.925
	Outdoor Higher Than Indoor			PIPE LENGTH (m)					
				5	10	20	30	40	50
	H = Height Difference (m)	Cooling	0	1.000	0.984	0.951	0.919	0.886	0.854
			5	1.000	0.984	0.951	0.919	0.886	0.854
			10		0.984	0.951	0.919	0.886	0.854
			20			0.951	0.919	0.886	0.854
25						0.919	0.886	0.854	
Heating		0	1.000	0.992	0.975	0.958	0.942	0.925	
		5	0.992	0.984	0.967	0.951	0.934	0.918	
		10	---	0.976	0.959	0.943	0.927	0.910	
		20	---	---	0.952	0.936	0.919	0.903	
		25	---	---	---	0.928	0.912	0.896	

UNIT AND MOUNTING DIMENSIONS

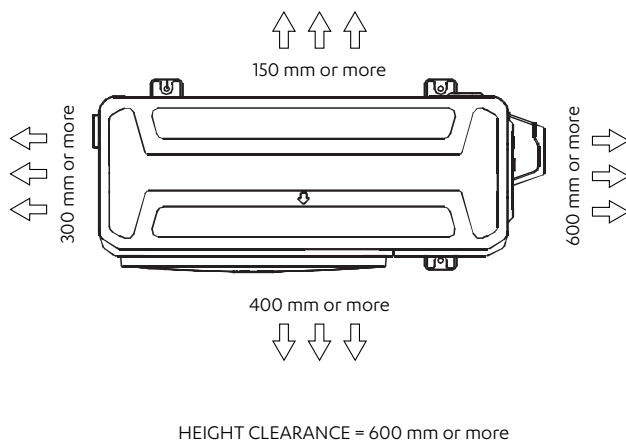
OUTDOOR UNITS

WRC-026DS / WRC-035DS / WRC-50DS / WRC-060DS / WRC-072DS / WRC-080DS / WRC-090DS



Model Number	Outdoor Unit Dimensions (mm) H x W x D	Mounting Dimensions	
		Distance A (mm)	Distance B (mm)
WRC-026DS	555 x 765 x 303	452	286
WRC-035DS	554 x 805 x 330	511	317
WRC-050DS	673 x 890 x 342	663	354
WRC-060DS	673 x 890 x 342	663	354
WRC-072DS	673 x 890 x 342	663	354
WRC-080DS	673 x 890 x 342	663	354
WRC-090DS	810 x 946 x 410	673	403

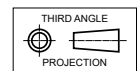
SERVICE ACCESS AREAS / AIRFLOW ALLOWANCES



HEIGHT CLEARANCE = 600 mm or more

NOTES:

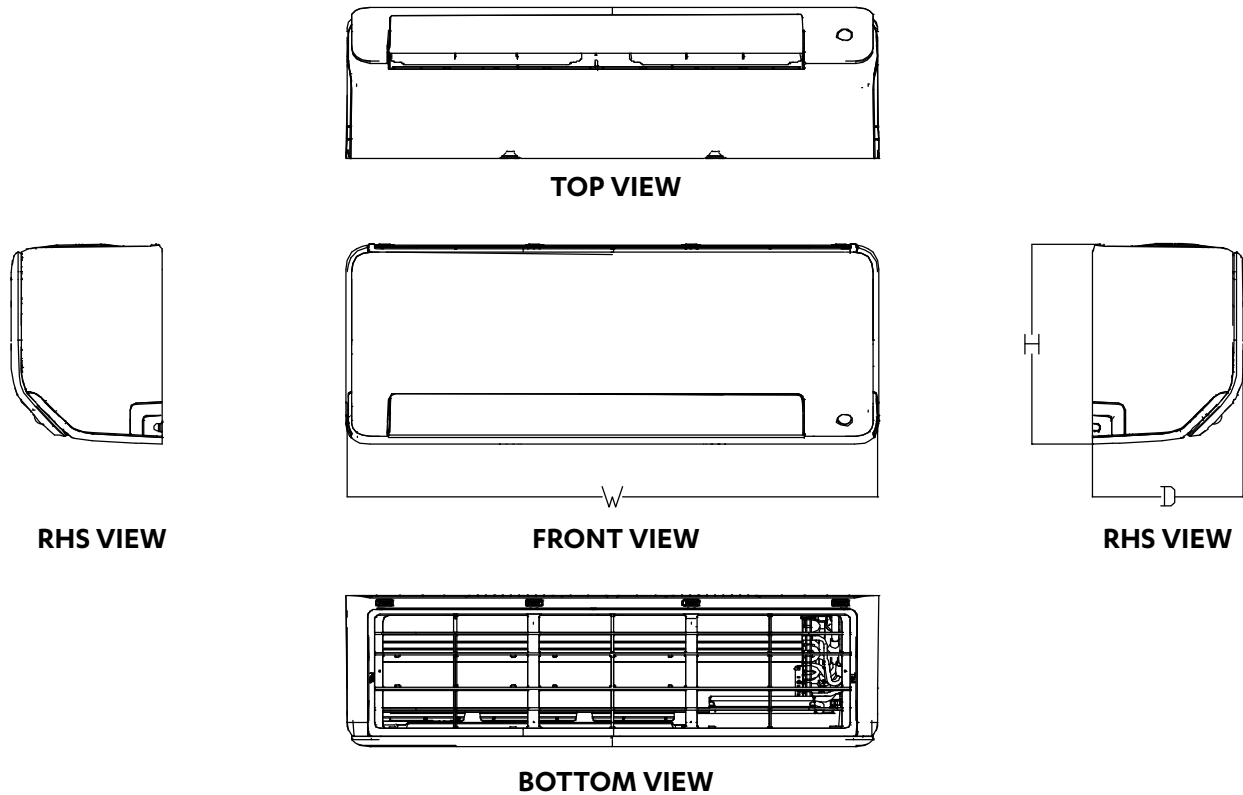
- Do not scale drawing. All dimensions are in **mm** unless otherwise specified. Refer to corresponding unit dimensional drawing for mounting hole details.
- Service Access Areas and Spaces for Airflow Clearances are suggested minimum based on the condition that the spaces around the units are free from any obstructions and a walkway passage of 1000 mm between the units or between the unit and the outside perimeter is available.
- Minimum service access areas and spaces for airflow clearances are responsibilities of the installer, ActronAir will not be held liable for any extra charges incurred due to lack of access and space for airflow.
- Under all circumstances, condenser air must not recirculate back onto condenser coil. Keep all clearance free of any obstruction.
- Refer Pipe Connection Details on Specifications Sheet.
- MTG C-C DIST = Mounting Centre to Centre Distance.
- Use M12 bolt for feet mounting.
- Installation of this unit should be in accordance with Electrical Safety Standard, AS/NZS 60335.2.40.
- Additional safety provision maybe needed such as leak detector sensor and/or ventilation to meet the minimum area requirement. For more details refer to Annex GG and Annex HH of the above standard.
- Refer to R-32 Safety Manual for minimum required area of installation.



UNIT AND MOUNTING DIMENSIONS

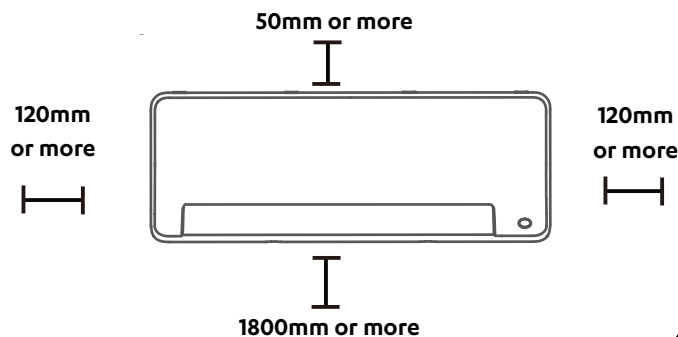
INDOOR UNITS

WRE-026DS / WRE-035DS / WRE-50DS / WRE-060DS / WRE-072DS / WRE-080DS / WRE-090DS



Model	Nominal Dimensions		
	H	W	D
WRE-026DS	295	795	225
WRE-035DS			
WRE-050DS	315	965	239
WRE-060DS			
WRE-072DS	370	1140	297
WRE-080DS			
WRE-090DS			

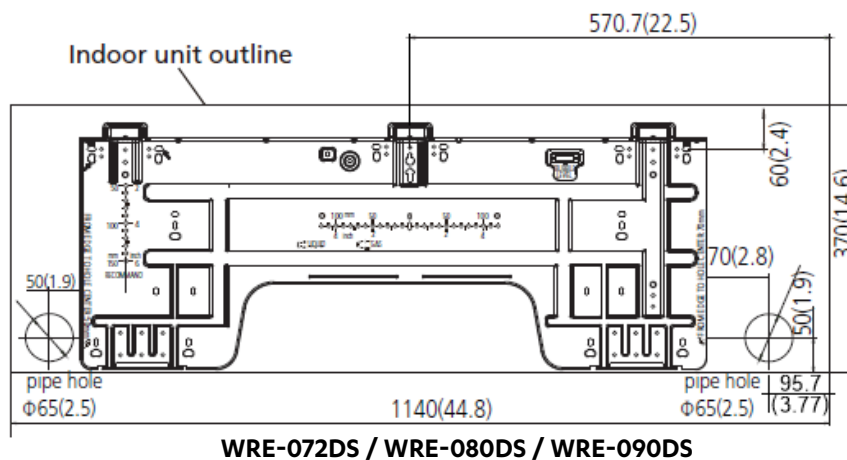
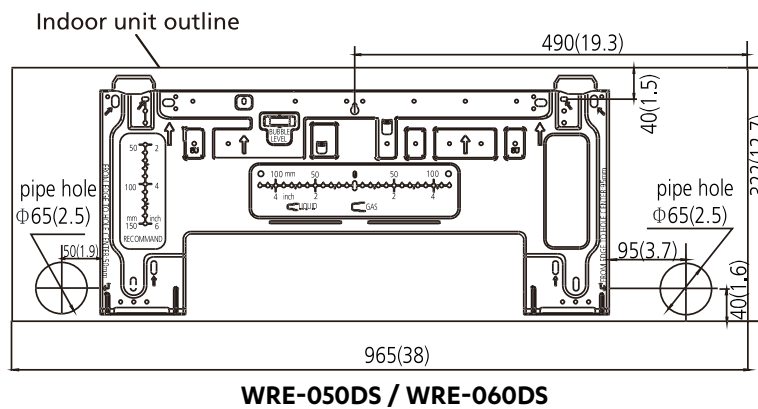
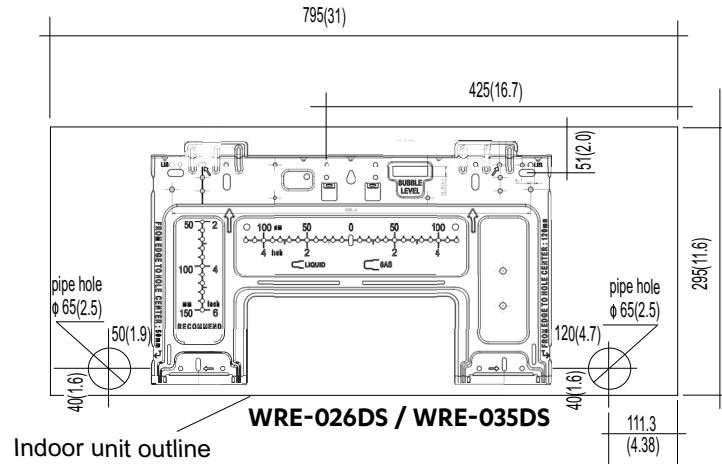
SERVICE ACCESS AREAS / AIRFLOW ALLOWANCES



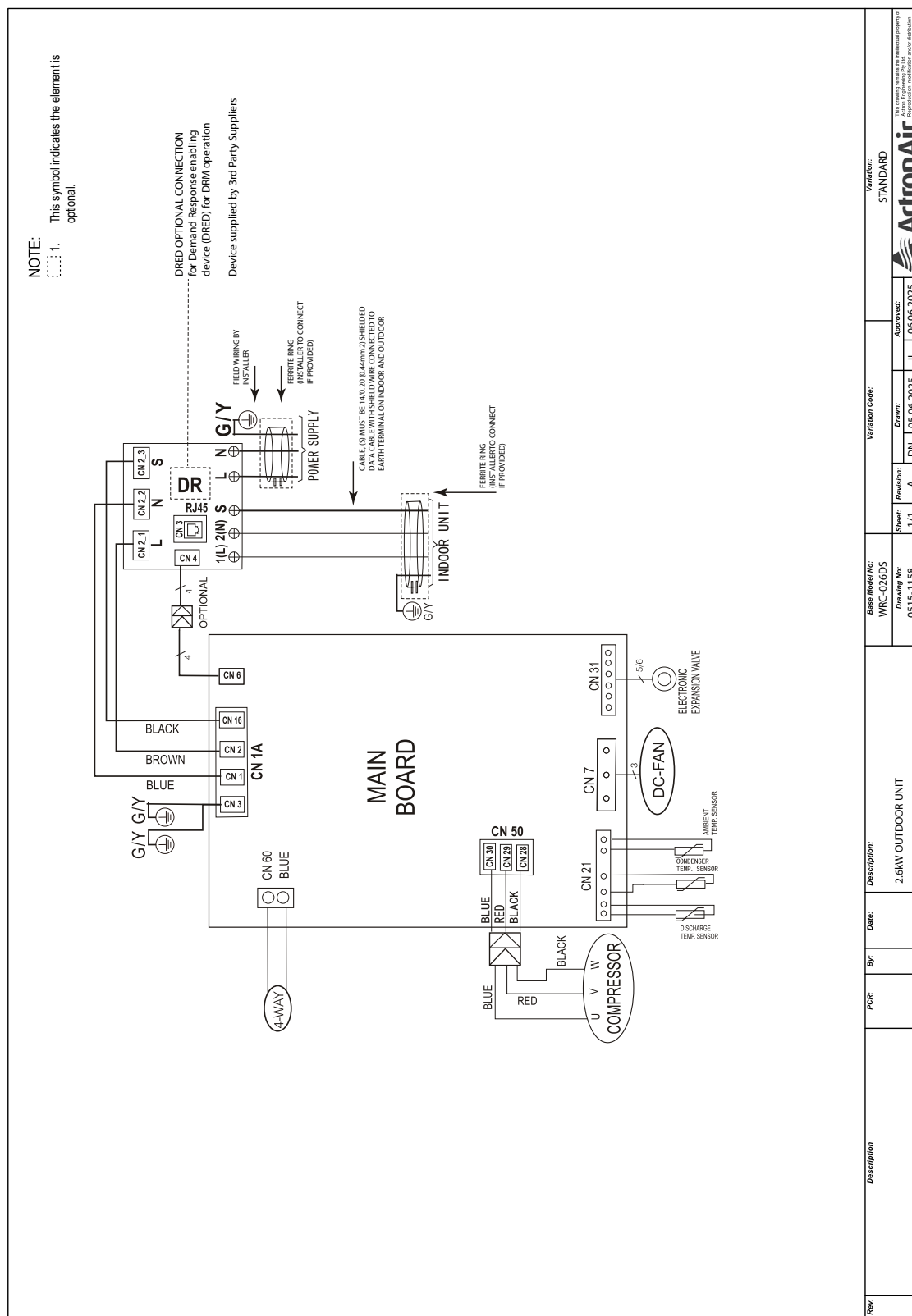
UNIT AND MOUNTING DIMENSIONS

INDOOR UNITS

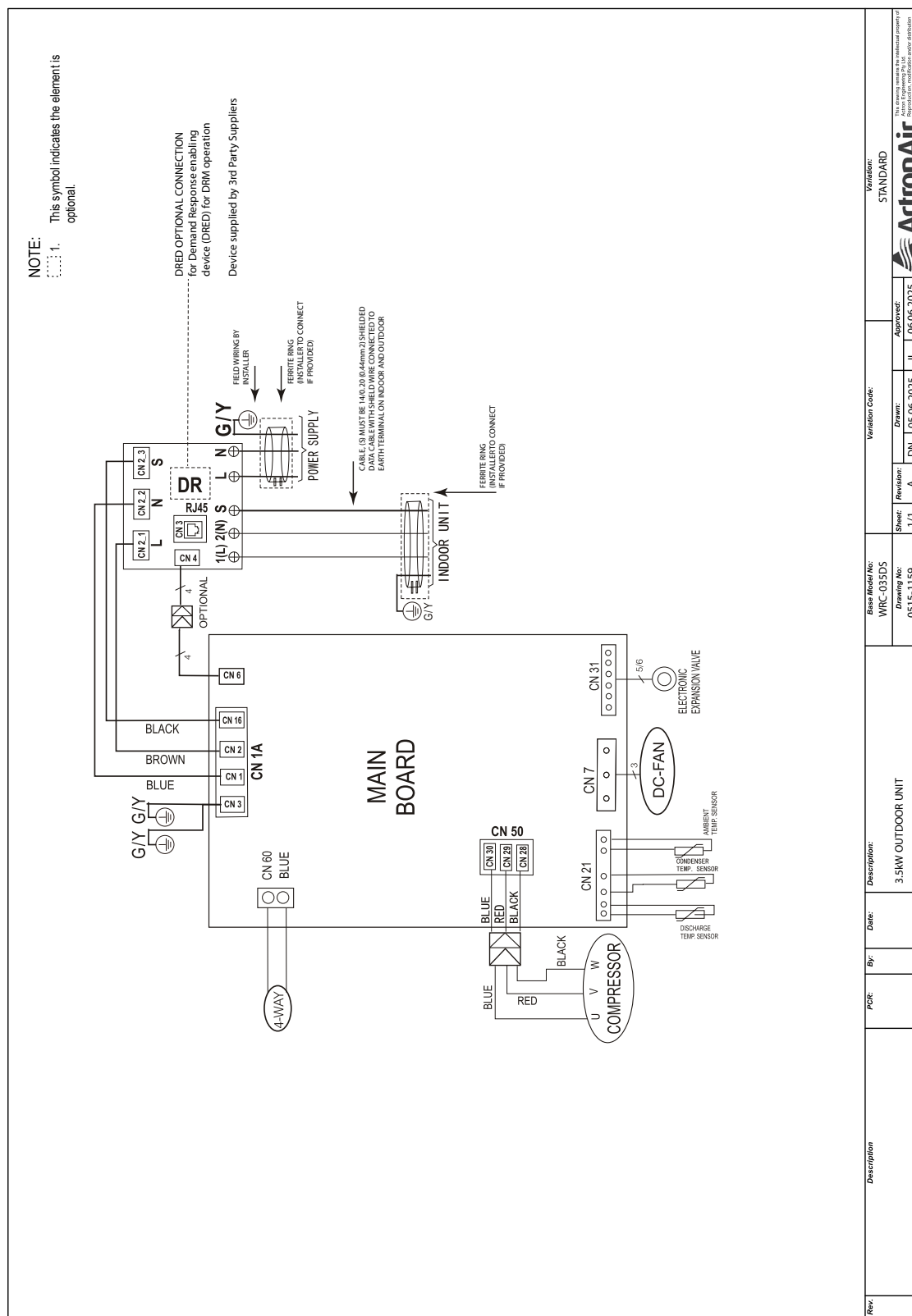
MOUNTING DIMENSIONS:



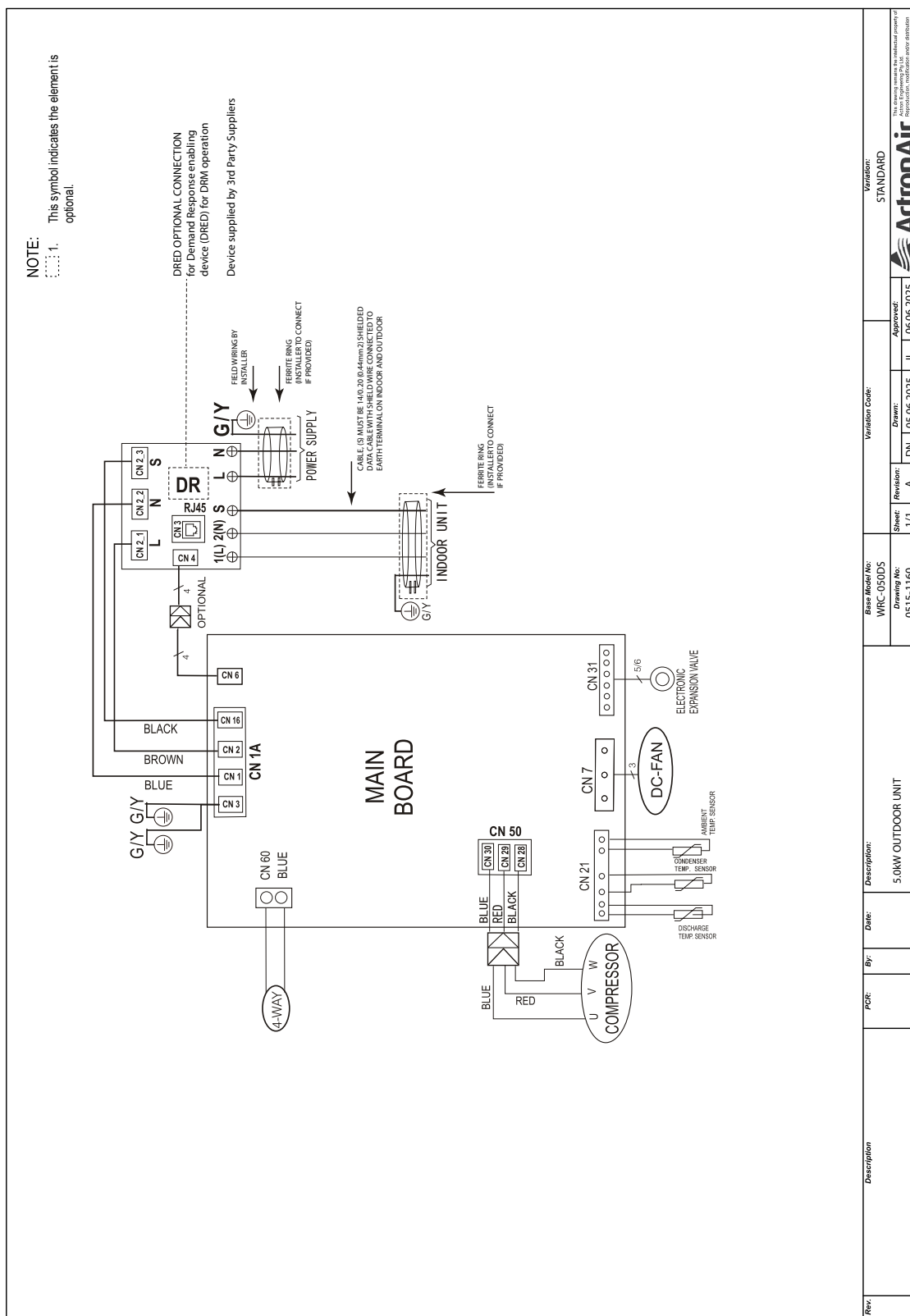
WRC-026DS



WRC-035DS



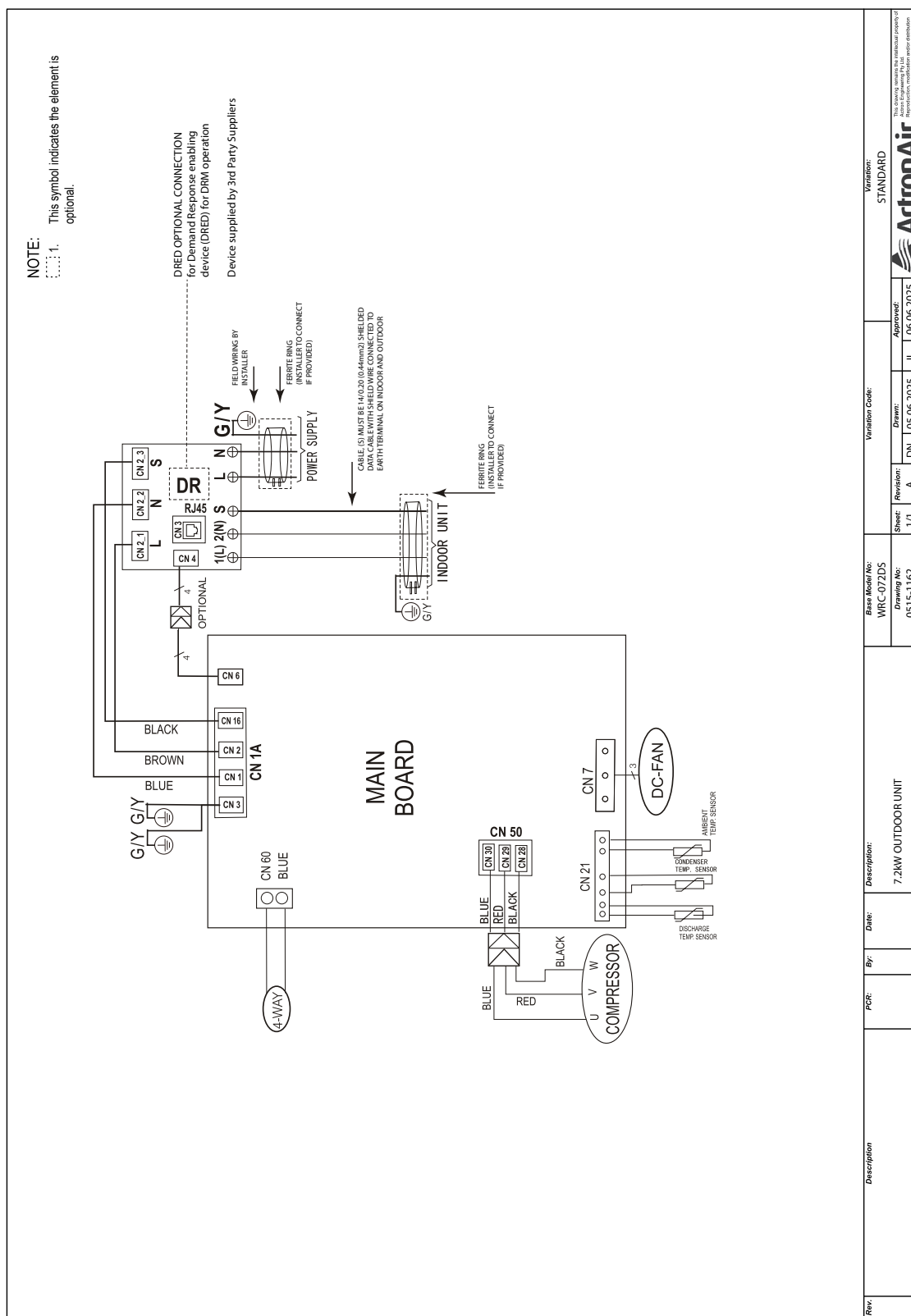
WRC-050DS



WRC-060DS



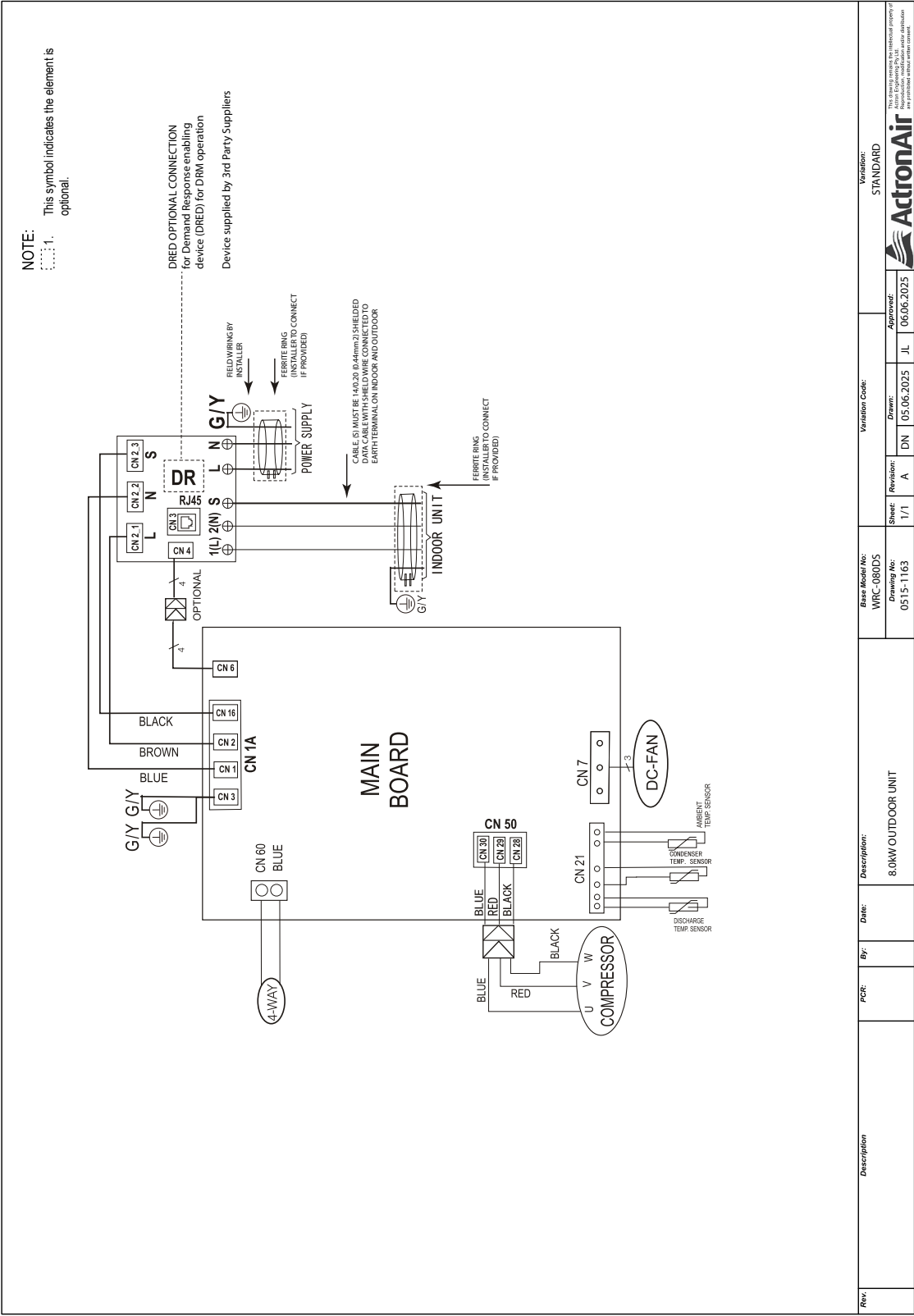
WRC-072DS



WIRING DIAGRAM

OUTDOOR

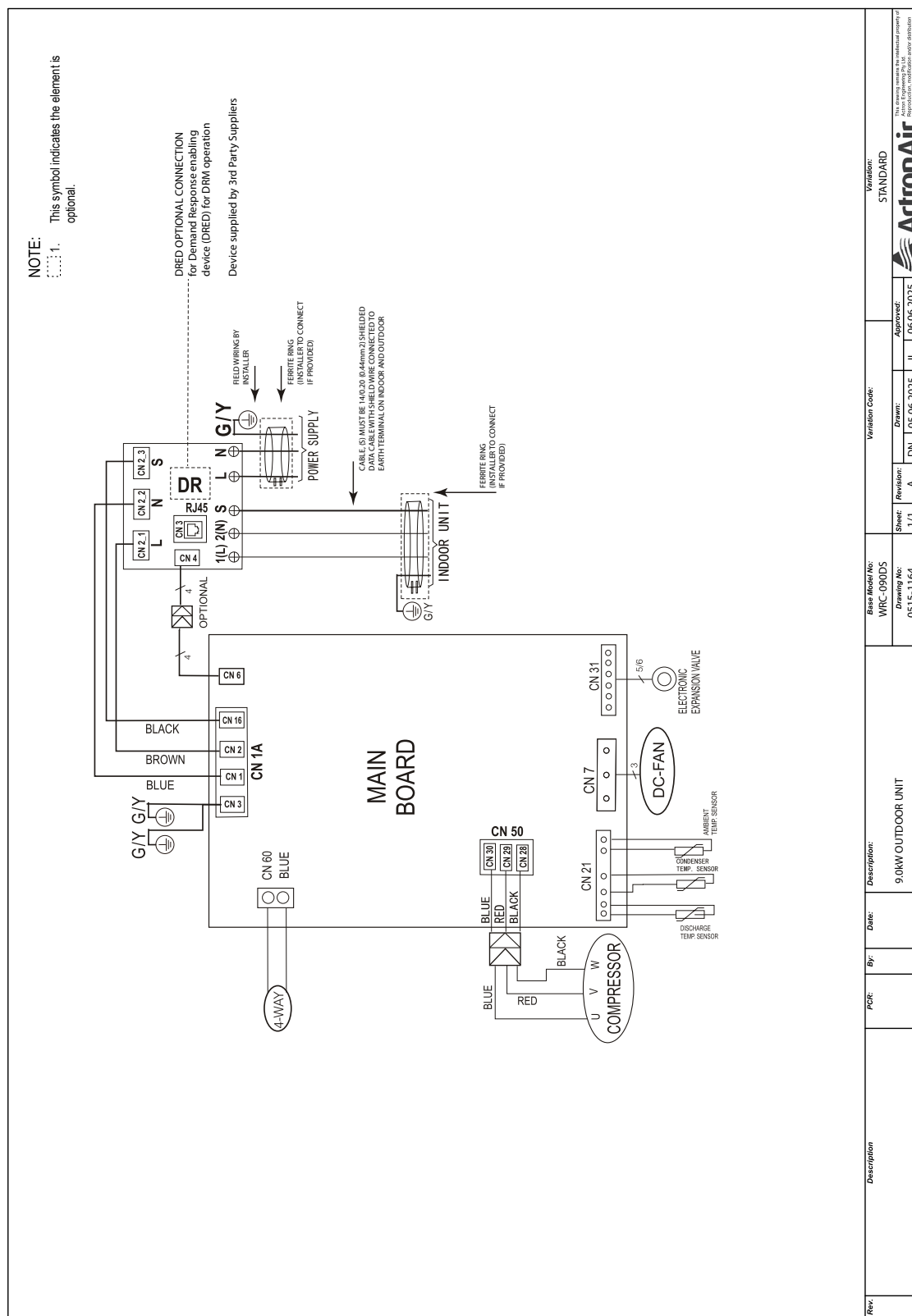
WRC-080DS



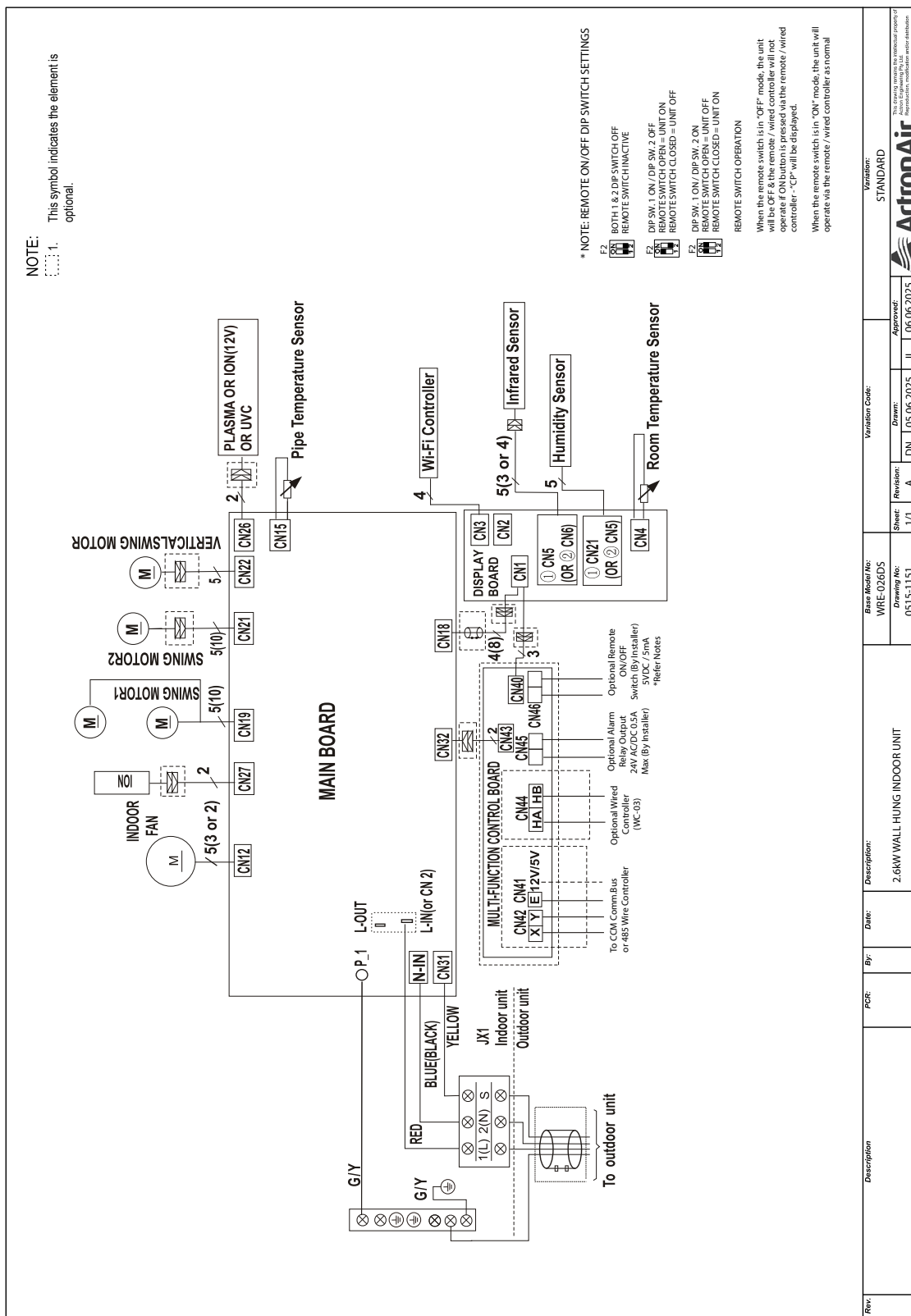
Rev.	Description	Rev.	By	Date	Description	Base Model No.	Drawing No.	Sheet	Revision	Drawn	Approved	Variation Code	Variation
					8.0KW OUTDOOR UNIT	WRC-080DS	0515-1163	1/1	A	DN	JL	05.06.2025	06.06.2025
													STANDARD
													ActronAir



WRC-090DS



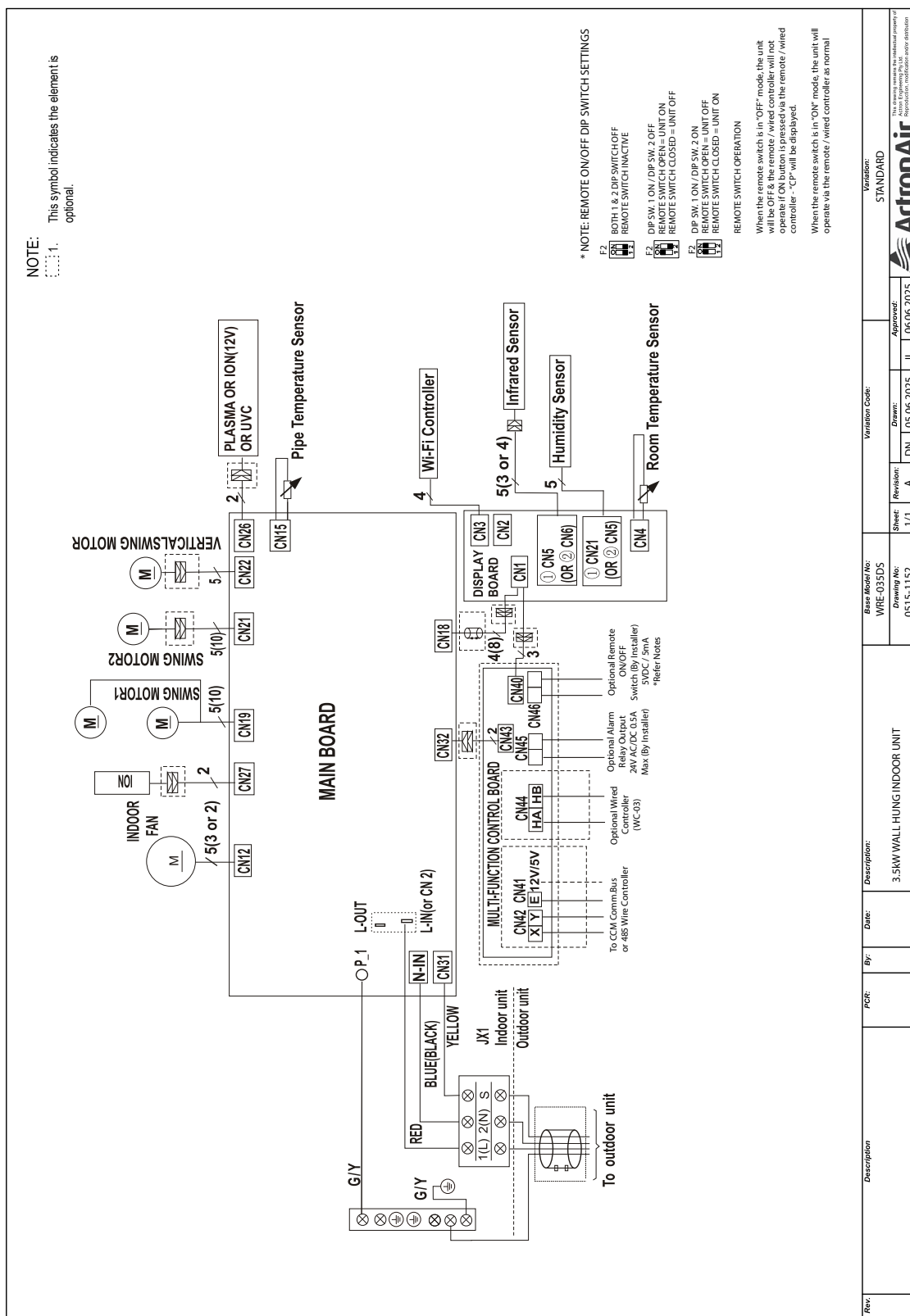
WRE-026DS



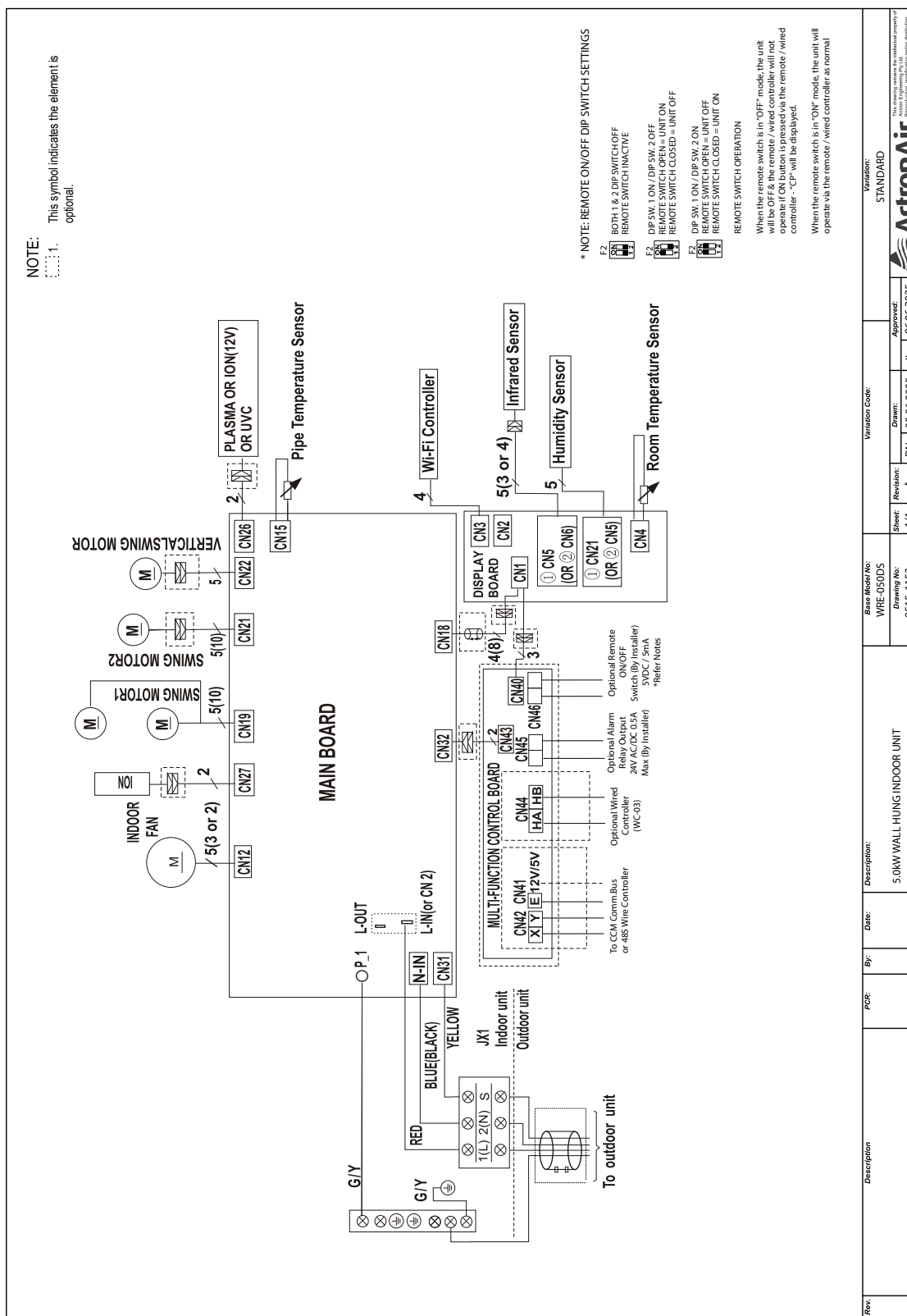
WIRING DIAGRAM

INDOOR

WRE-035DS



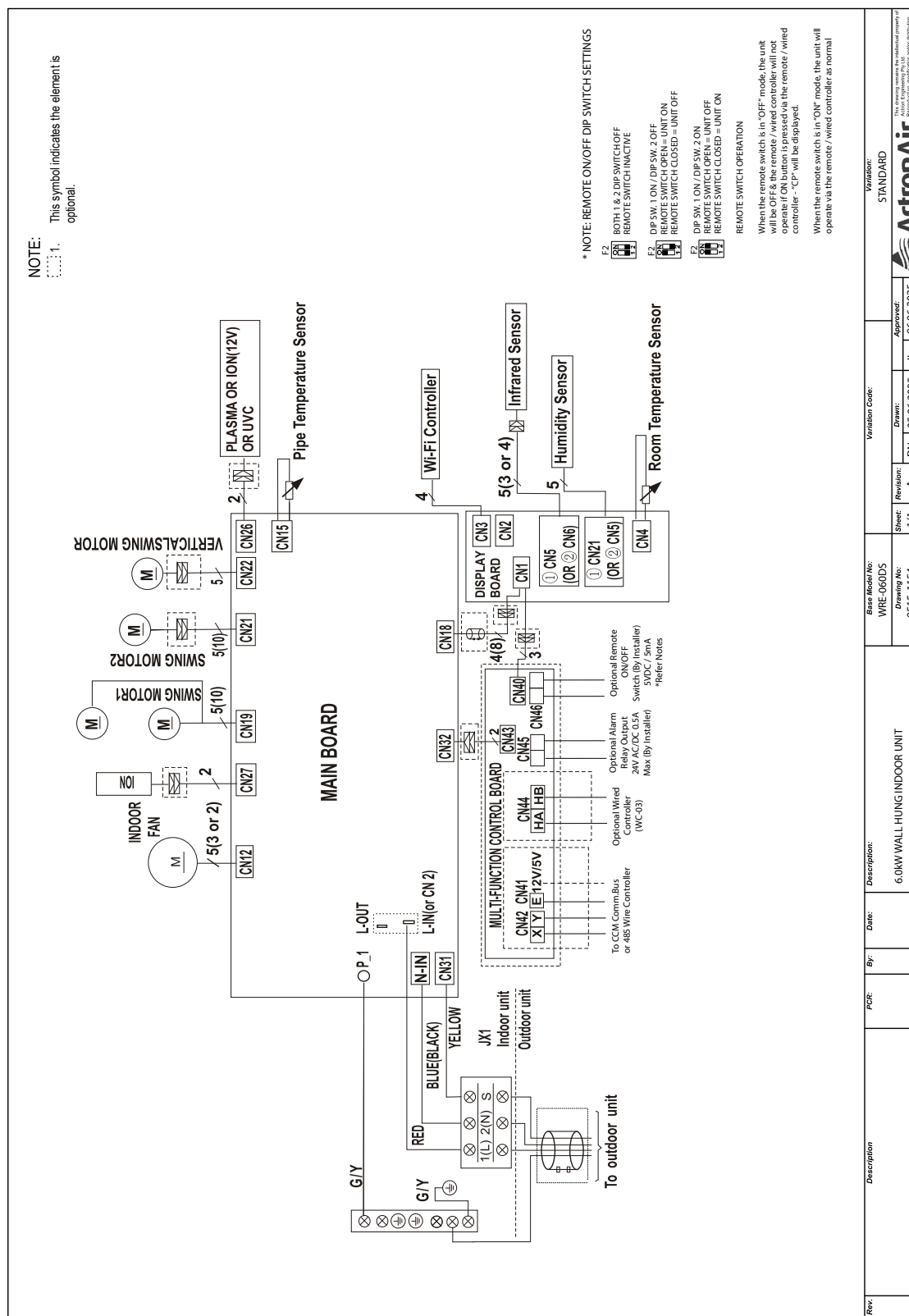
WRE-050DS



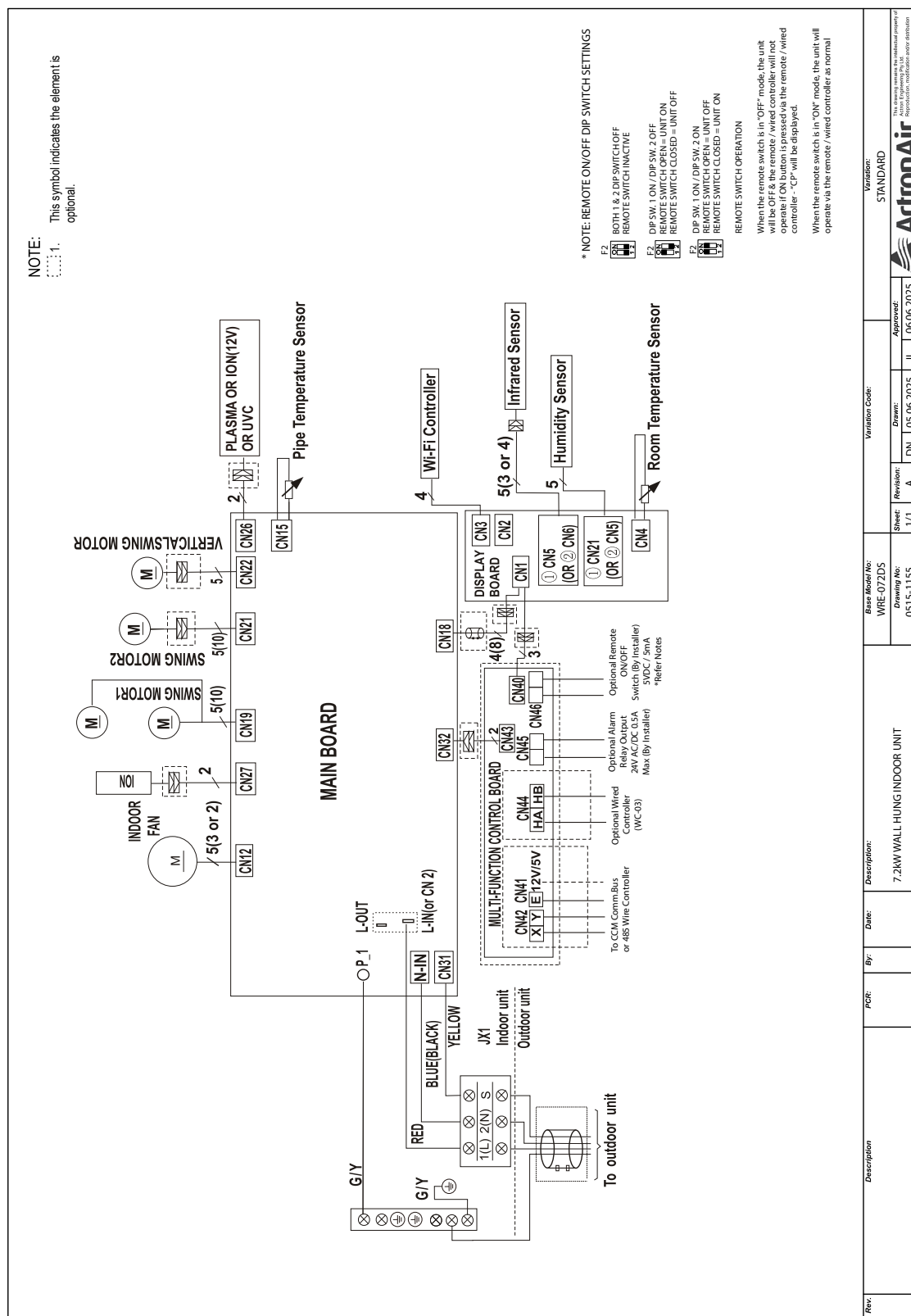
WIRING DIAGRAM

INDOOR

WRE-060DS



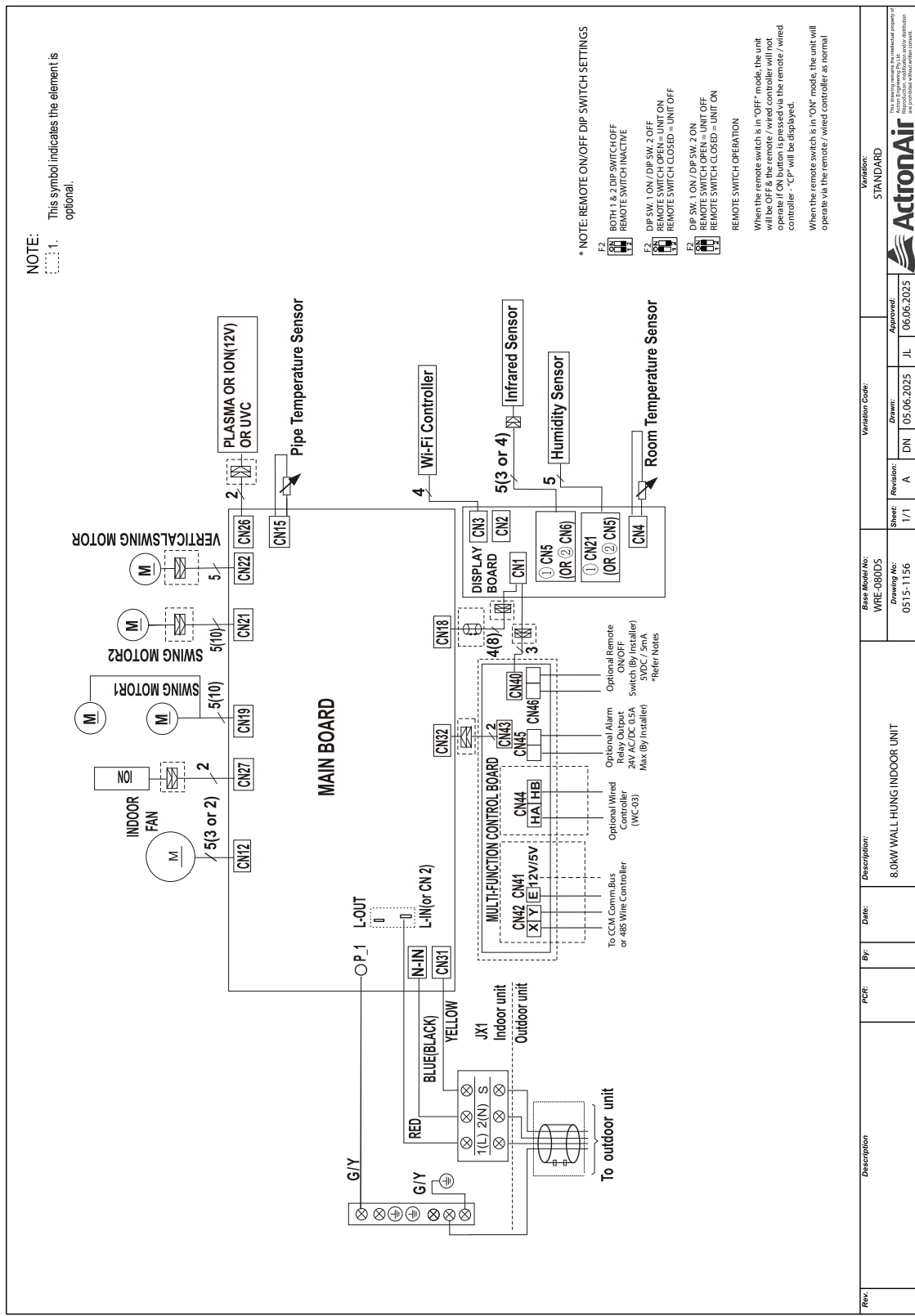
WRE-072DS



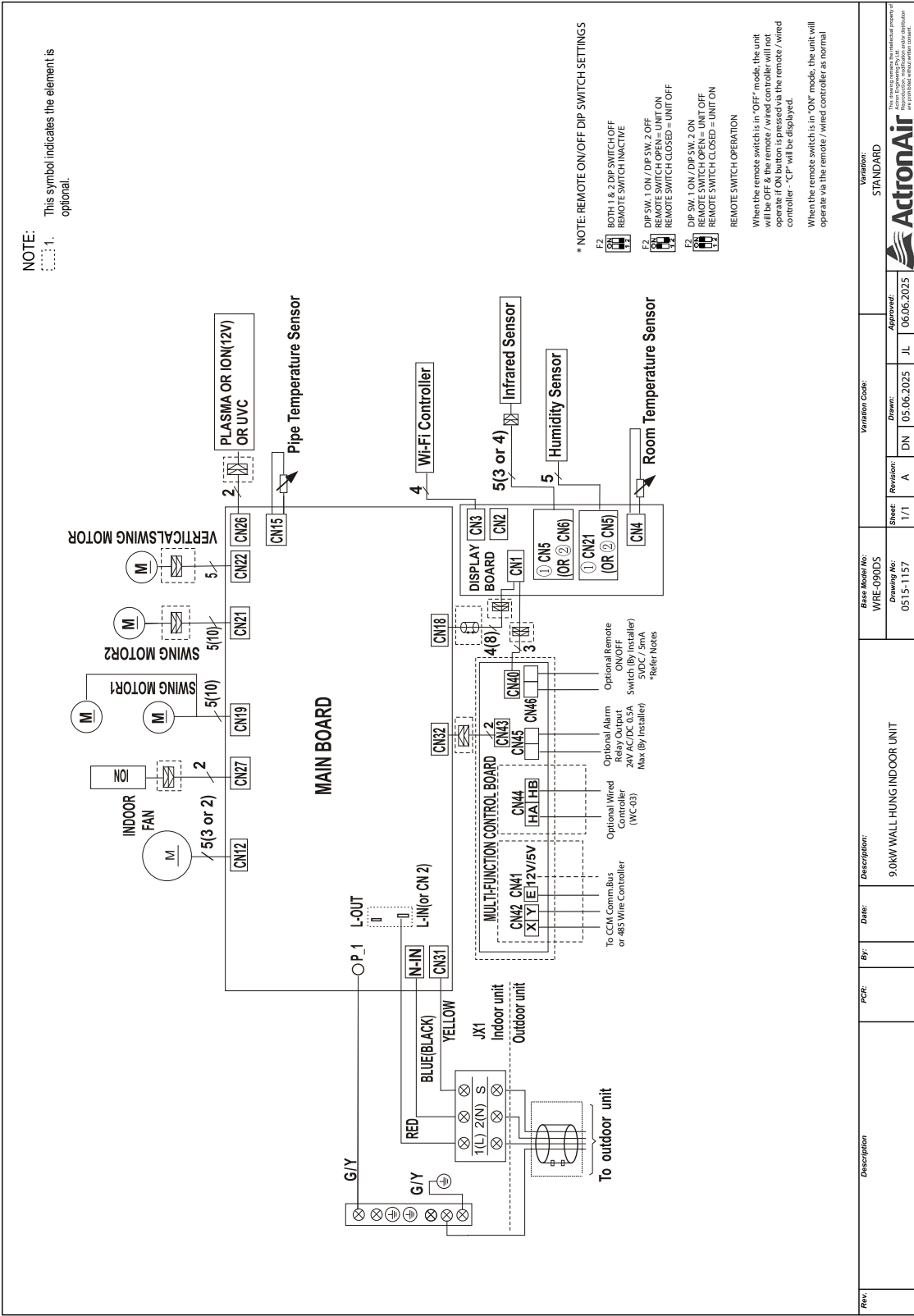
WIRING DIAGRAM

INDOOR

WRE-080DS



WRE-090DS



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