

Commercial Ducted System

EBV-R/YCD-R Series R-410A

System Features

- Cabinet Construction
Both indoor and outdoor are coated with weatherproofed electro galvanized steel with powder coating for external condition.
- Insulation
Polyethylene foam is used at panel to prevent moisture penetration. Polyethylene, is also type of Closed Cell Foam with fire-retardant.
- Indoor Air Throw Direction
Available select unit arrangement of air throw make it versatile to various design.
- Wide Product Range
YORK ducted is offering very wide range of product lineup. (75,000 - 600,000 BTU) Environment Friendly with Non CFC refrigerent.
- Changeable Drive Package
Non-standard ESP & airflow can be sized by changing the factory fitted drive set.
- Components
 - Compressor : High Efficiency Performance.
 - Motor : Weatherproofed with IP55.
 - Blower : Dynamically balanced fan.
- Safety Feature
 - High and Low pressure protection.
 - Phase sequencer to detect wrong phase and phase loss.
 - Compressor and motor overload protection.
 - Minimum compressor running time to ensure oil return.



Scroll Type
(Standard model)



COOL LINE
1490
เร็น ยอร์ค

Product Feature

EBV Air Handler Unit

Standard Model

- Belt driven
- Hydrophilic coated fin (Blur Fin)
- Convertible for Horizontal / Vertical
- Fan section module for EBV250-600 (See picture detail)
- Fully drain pan

Optional Model

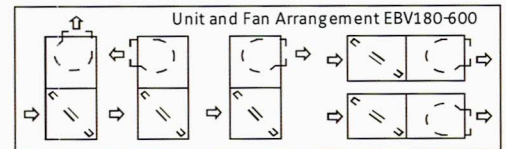
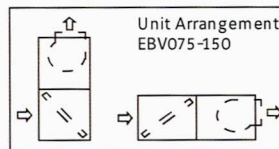
- AHU Starter Box
- Copper fin / Stainless Casing
- Dual circuit for EBV120-250
- Supply Plenum.



EBV075-200



EBV250-600



YCD Condensing Unit

Standard Model

- High Efficiency Scroll Compressor.
- Vertical fan discharge
- Service valve are standard equipment
- Phase protection equipment

Optional Model

- Horizontal fan discharge for YCD075-150
- Blue fin / Copper fin / Stainless Casing
- Dual circuit for YCD120-250



YCD075-150



YCD075-150 (Option)



YCD200-500



YCD550-600

Specification : EBV-R / YCD-R Series R-410A

Model	Indoor	EBV075	EBV100	EBV125	EBV150	EBV180	EBV200	EBV250	
	Outdoor	YCD075	YCD100	YCD125	YCD150	YCD200	YCD200	YCD250	
Cooling Capacity ¹	BTU	75,000	100,000	125,000	150,000	195,000	200,000	250,000	
	kW	22.0	29.3	36.6	44.0	57.1	58.6	73.3	
	kcal	18,900	25,200	31,500	37,799	48,970	50,399	62,999	
Air Flow rate	CFM	2500	3300	4000	5000	6000	7000	8300	
ESP ² Setting	in.wg	0.4	0.4	0.6	0.6	0.6	0.6	0.6	
No. of Circuit		1	1	1	1	1	1	1	
Piping	Type	Brazed							
	Liquid	Inch.	1/2	5/8	5/8	5/8	5/8	7/8	
	Suction	Inch.	7/8	1 1/8	1 3/8	1 3/8	1 5/8	1 5/8	
	Condensate	Inch.	1" MPT.						
Refrigerant R-410A : R Series									
Indoor unit	Power	V / Ph / Hz	380 / 3 / 50						
	MCA ³	Amp.	2.56	3.53	4.55	4.55	6.60	6.60	11.15
	Fan	Type	Centrifugal with Forward curve - Belt driven						
	Motor	HP	1	2	2	3	3	5.5	
		RLA / LRA	2.05 / 11	2.82 / 21	3.64 / 21	3.64 / 21	5.28 / 34	5.28 / 34	8.92 / 63
	Coil	Fin type	Aluminium with Hydrophilic Coated & Copper Tube						
		FPI	14	14	14	12	12	12	
	Flow Control		Thermostatic Expansion Valve						
	Filter Type		Washable Aluminium thk. 1 inch						
	Dimension (mm.)	Height	1180	1388	1388	1388	1720	1720	1652
Width		921	1327	1327	1327	1538	1830	2271	
Depth		580	725	725	725	888	888	853	
kg		127	160	175	200	222	300	360	
Outdoor unit	Power	V / Ph / Hz	380 / 3 / 50						
	MCA ³	Amp.	16.58	22.15	26.15	35.38	40.30	40.30	49.30
	Compressor	Type	Hermetic scroll						
		Q'ty	1	1	1	1	1	1	
		RLA / LRA	12.75 / 17.9	17.9 / 21.4	21.4 / 27.6	27.6 / 30	36.4 / 44.3	44.3 / 260	
	Coil	Fin type	Aluminium						
		FPI	14	16	16	16	16	16	
	Fan / Motor	Type	Propeller Fan - Direct driven						
		Q'ty	1	1	1	1	2	2	
		FLA	1.2	1.4	1.4	2.5	1.4 x 2	1.4 x 2	1.4 x 2
Dimension (mm.)	Height	900	900	1000	1070	1051	1051	1012	
	Width	835	835	919	1040	1930	1930	1129	
	Depth	802	802	937	1000	763	763	2833	
	kg	150	170	180	200	380	380	420	

Model	Indoor	EBV300	EBV350	EBV400	EBV450	EBV500	EBV550	EBV600	
	Outdoor	YCD300	YCD350	YCD400	YCD450	YCD500	YCD550	YCD600	
Cooling Capacity ¹	BTU	300,000	350,000	400,000	450,000	500,000	555,000	600,000	
	kW	87.9	102.6	117.2	131.9	146.5	161.2	175.8	
	kcal	75,599	88,199	100,798	113,398	125,998	138,598	151,197	
Air Flow rate	CFM	10000	12000	13500	15000	16500	18500	20000	
ESP ² Setting	in.wg	0.8	0.8	0.8	1.0	1.0	1.2	1.2	
No. of Circuit		2	2	2	2	2	3	3	
Piping	Type	Brazed							
	Liquid	Inch.	5/8 x 2	5/8 x 2	5/8 x 2	5/8 . 7/8	7/8 x 2	5/8 x 3	5/8 x 3
	Suction	Inch.	1 3/8 x 2	1 3/8, 1 5/8	1 5/8 x 2	1 5/8 x 2	1 5/8 x 2	1 3/8, 1 5/8 x 2	1 5/8 x 3
	Condensate	Inch.	1" MPT.						
Refrigerant R-410A : R Series									
Indoor unit	Power	V / Ph / Hz	380 / 3 / 50						
	MCA ³	Amp.	15.00	15.00	15.00	19.25	19.25	27.63	27.63
	Fan	Type	Centrifugal with Forward curve - Belt driven						
	Motor	HP	7.5	7.5	7.5	10	10	15	15
		RLA / LRA	12 / 79	12 / 79	12 / 79	15.4 / 111	15.4 / 111	22.1 / 153	22.1 / 153
	Coil	Fin type	Aluminium with Hydrophilic Coated & Copper Tube						
		FPI	12	12	12	12	12	12	12
	Flow Control		Thermostatic Expansion Valve						
	Filter Type		Washable Aluminium thk. 1 inch						
	Dimension (mm.)	Height	1652	2014	2014	2355	2355	2636	2636
Width		2525	2525	2525	2624	2624	2628	2628	
Depth		841	1038	1038	1214	1214	1428	1428	
kg		437	508	508	650	650	740	740	
Outdoor unit	Power	V / Ph / Hz	380 / 3 / 50						
	MCA ³	Amp.	75.25	86.25	97.25	107.13	120.13	134.88	145.88
	Compressor	Type	Hermetic scroll						
		Q'ty	2	2	2	2	2	3	3
		RLA / LRA	27.6 / 27.6	27.6 / 36.4	36.4 / 36.4	36.4 / 44.3	44.3 / 44.3	27.6 / 36.4 / 36.4	36.4 / 36.4 / 36.4
	Coil	Fin type	Aluminium Fin & Copper Tube						
		FPI	16	16/14	16	16/14	16	16/15	15
	Fan / Motor	Type	Propeller Fan - Direct driven						
		Q'ty	2	2	2	2	3	3	3
		FLA	2.5 x 2	2.5 x 2	2.5 x 2	2.5 x 2	2.5 x 3	2.5 x 3	2.5 x 3
Dimension (mm.)	Height	1115	1219	1473	1473	1205	1205	1205	
	Width	2833	2833	2833	2833	3330	3330	3330	
	Depth	1129	1129	1129	1129	1616	1616	1616	
	kg	480	520	620	750	750	820	820	

Note : Product design and specification are subject to change without notice.

- External Static Pressure - Factory setting include internal pressure drop.
- (MCM) Minimum circuit ampacity for selection wire sized : 1.25 x RLA

Rating Conditions	Cooling
Indoor Temperature	27°C DB/19°C WB
Outdoor Temperature	35°C DB/24°C WB