

FAN COIL / BLOWER COIL UNITS - FOUR PIPE (1 OF 2)

Designation	Reference Product	Type	Airflow Data			Cooling Data					Heating Data					Electrical Data		Remarks	
			Total Airflow (CFM)	External Pressure (in. Water)	Filter Type	Cooling Tot./Sens (MBH)	Air EDB/EWB (Deg. F)	Water EWT/LWT (Deg. F)	Water Flow Rate (GPM)	Water Pressure Drop (ft. Water)	Total Capacity (MBH)	Heating Coil Rows	Air EDB/LDB (Deg. F)	Water EWT/LWT (Deg. F)	Water Flow Rate (GPM)	Water Pressure Drop (ft. Water)	Volts / Phase		HP
FCU-101	TRANE FCCB040	HORIZONTAL CONCEALED	300	0.5	1" THROWAWAY	12.8 / 8.6	80 / 67	42 / 54	2.1	9.1	9.2	1	65 / 92	140 / 120	1	1.2	208 / 1	1/8	2-WAY CONTROL VALVES
FCU-102	TRANE FCCB040	HORIZONTAL CONCEALED	300	0.5	1" THROWAWAY	12.8 / 8.6	80 / 67	42 / 54	2.1	9.1	9.2	1	65 / 92	140 / 120	1	1.2	208 / 1	1/8	2-WAY CONTROL VALVES
FCU-103	TRANE FCCB040	HORIZONTAL CONCEALED	300	0.5	1" THROWAWAY	12.8 / 8.6	80 / 67	42 / 54	2.1	9.1	9.2	1	65 / 92	140 / 120	1	1.2	208 / 1	1/8	2-WAY CONTROL VALVES
FCU-104	TRANE FCCB040	HORIZONTAL CONCEALED	300	0.5	1" THROWAWAY	12.8 / 8.6	80 / 67	42 / 54	2.1	9.1	9.2	1	65 / 92	140 / 120	1	1.2	208 / 1	1/8	2-WAY CONTROL VALVES
FCU-105	TRANE FCCB040	HORIZONTAL CONCEALED	300	0.5	1" THROWAWAY	12.8 / 8.6	80 / 67	42 / 54	2.1	9.1	9.2	1	65 / 92	140 / 120	1	1.2	208 / 1	1/8	2-WAY CONTROL VALVES
FCU-106	TRANE FCCB040	HORIZONTAL CONCEALED	300	0.5	1" THROWAWAY	12.8 / 8.6	80 / 67	42 / 54	2.1	9.1	9.2	1	65 / 92	140 / 120	1	1.2	208 / 1	1/8	2-WAY CONTROL VALVES
FCU-107	TRANE FCCB040	HORIZONTAL CONCEALED	300	0.5	1" THROWAWAY	12.8 / 8.6	80 / 67	42 / 54	2.1	9.1	9.2	1	65 / 92	140 / 120	1	1.2	208 / 1	1/8	2-WAY CONTROL VALVES
FCU-108	TRANE FCCB040	HORIZONTAL CONCEALED	300	0.5	1" THROWAWAY	12.8 / 8.6	80 / 67	42 / 54	2.1	9.1	9.2	1	65 / 92	140 / 120	1	1.2	208 / 1	1/8	2-WAY CONTROL VALVES
FCU-109	TRANE FCCB040	HORIZONTAL CONCEALED	300	0.5	1" THROWAWAY	12.8 / 8.6	80 / 67	42 / 54	2.1	9.1	9.2	1	65 / 92	140 / 120	1	1.2	208 / 1	1/8	2-WAY CONTROL VALVES
FCU-110	TRANE FCCB040	HORIZONTAL CONCEALED	300	0.5	1" THROWAWAY	12.8 / 8.6	80 / 67	42 / 54	2.1	9.1	9.2	1	65 / 92	140 / 120	1	1.2	208 / 1	1/8	2-WAY CONTROL VALVES
FCU-111	TRANE FCCB040	HORIZONTAL CONCEALED	300	0.5	1" THROWAWAY	12.8 / 8.6	80 / 67	42 / 54	2.1	9.1	9.2	1	65 / 92	140 / 120	1	1.2	208 / 1	1/8	2-WAY CONTROL VALVES
FCU-112	TRANE FCCB040	HORIZONTAL CONCEALED	300	0.5	1" THROWAWAY	12.8 / 8.6	80 / 67	42 / 54	2.1	9.1	9.2	1	65 / 92	140 / 120	1	1.2	208 / 1	1/8	2-WAY CONTROL VALVES
FCU-113	TRANE FCCB040	HORIZONTAL CONCEALED	300	0.5	1" THROWAWAY	12.8 / 8.6	80 / 67	42 / 54	2.1	9.1	9.2	1	65 / 92	140 / 120	1	1.2	208 / 1	1/8	2-WAY CONTROL VALVES
FCU-114	TRANE FCCB040	HORIZONTAL CONCEALED	300	0.5	1" THROWAWAY	12.8 / 8.6	80 / 67	42 / 54	2.1	9.1	9.2	1	65 / 92	140 / 120	1	1.2	208 / 1	1/8	2-WAY CONTROL VALVES
FCU-115	TRANE FCCB040	HORIZONTAL CONCEALED	300	0.5	1" THROWAWAY	12.8 / 8.6	80 / 67	42 / 54	2.1	9.1	9.2	1	65 / 92	140 / 120	1	1.2	208 / 1	1/8	2-WAY CONTROL VALVES
FCU-116	TRANE FCCB040	HORIZONTAL CONCEALED	300	0.5	1" THROWAWAY	12.8 / 8.6	80 / 67	42 / 54	2.1	9.1	9.2	1	65 / 92	140 / 120	1	1.2	208 / 1	1/8	2-WAY CONTROL VALVES
FCU-117	TRANE FCCB040	HORIZONTAL CONCEALED	300	0.5	1" THROWAWAY	12.8 / 8.6	80 / 67	42 / 54	2.1	9.1	9.2	1	65 / 92	140 / 120	1	1.2	208 / 1	1/8	2-WAY CONTROL VALVES
FCU-118	TRANE FCCB040	HORIZONTAL CONCEALED	300	0.5	1" THROWAWAY	12.8 / 8.6	80 / 67	42 / 54	2.1	9.1	9.2	1	65 / 92	140 / 120	1	1.2	208 / 1	1/8	2-WAY CONTROL VALVES
FCU-119	TRANE FCCB040	HORIZONTAL CONCEALED	300	0.5	1" THROWAWAY	12.8 / 8.6	80 / 67	42 / 54	2.1	9.1	9.2	1	65 / 92	140 / 120	1	1.2	208 / 1	1/8	2-WAY CONTROL VALVES
FCU-120	TRANE FCCB040	HORIZONTAL CONCEALED	300	0.5	1" THROWAWAY	12.8 / 8.6	80 / 67	42 / 54	2.1	9.1	9.2	1	65 / 92	140 / 120	1	1.2	208 / 1	1/8	2-WAY CONTROL VALVES
FCU-121	TRANE FCCB040	HORIZONTAL CONCEALED	300	0.5	1" THROWAWAY	12.8 / 8.6	80 / 67	42 / 54	2.1	9.1	9.2	1	65 / 92	140 / 120	1	1.2	208 / 1	1/8	2-WAY CONTROL VALVES
FCU-122	TRANE FCCB040	HORIZONTAL CONCEALED	300	0.5	1" THROWAWAY	12.8 / 8.6	80 / 67	42 / 54	2.1	9.1	9.2	1	65 / 92	140 / 120	1	1.2	208 / 1	1/8	2-WAY CONTROL VALVES
FCU-123	TRANE FCEB030	HORIZONTAL EXPOSED	275	0	1" THROWAWAY	9.4 / 6.8	80 / 67	42 / 54	1.5	1.6	7.9	1	65 / 91	140 / 120	0.5	1.3	115 / 1	1/8	2-WAY CONTROL VALVES
FCU-124	TRANE FCCB030	HORIZONTAL CONCEALED	275	0	1" THROWAWAY	9.4 / 6.8	80 / 67	42 / 54	1.5	1.6	7.9	1	65 / 91	140 / 120	0.5	1.3	115 / 1	1/8	2-WAY CONTROL VALVES
FCU-125	TRANE FCEB040	HORIZONTAL RECESSED	325	0.1	1" THROWAWAY	11.5 / 8.7	80 / 67	42 / 54	2	5.4	8.2	1	65 / 90	140 / 120	0.5	1.1	115 / 1	1/8	2-WAY CONTROL VALVES
FCU-201	TRANE FCCB040	HORIZONTAL CONCEALED	300	0.5	1" THROWAWAY	12.8 / 8.6	80 / 67	42 / 54	2.1	9.1	9.2	1	65 / 92	140 / 120	1	1.2	208 / 1	1/8	2-WAY CONTROL VALVES
FCU-202	TRANE FCCB040	HORIZONTAL CONCEALED	300	0.5	1" THROWAWAY	12.8 / 8.6	80 / 67	42 / 54	2.1	9.1	9.2	1	65 / 92	140 / 120	1	1.2	208 / 1	1/8	2-WAY CONTROL VALVES
FCU-203	TRANE FCCB040	HORIZONTAL CONCEALED	300	0.5	1" THROWAWAY	12.8 / 8.6	80 / 67	42 / 54	2.1	9.1	9.2	1	65 / 92	140 / 120	1	1.2	208 / 1	1/8	2-WAY CONTROL VALVES
FCU-204	TRANE FCCB040	HORIZONTAL CONCEALED	300	0.5	1" THROWAWAY	12.8 / 8.6	80 / 67	42 / 54	2.1	9.1	9.2	1	65 / 92	140 / 120	1	1.2	208 / 1	1/8	2-WAY CONTROL VALVES
FCU-205	TRANE FCCB040	HORIZONTAL CONCEALED	300	0.5	1" THROWAWAY	12.8 / 8.6	80 / 67	42 / 54	2.1	9.1	9.2	1	65 / 92	140 / 120	1	1.2	208 / 1	1/8	2-WAY CONTROL VALVES
FCU-206	TRANE FCCB040	HORIZONTAL CONCEALED	300	0.5	1" THROWAWAY	12.8 / 8.6	80 / 67	42 / 54	2.1	9.1	9.2	1	65 / 92	140 / 120	1	1.2	208 / 1	1/8	2-WAY CONTROL VALVES
FCU-207	TRANE FCCB040	HORIZONTAL CONCEALED	300	0.5	1" THROWAWAY	12.8 / 8.6	80 / 67	42 / 54	2.1	9.1	9.2	1	65 / 92	140 / 120	1	1.2	208 / 1	1/8	2-WAY CONTROL VALVES
FCU-208	TRANE FCCB040	HORIZONTAL CONCEALED	300	0.5	1" THROWAWAY	12.8 / 8.6	80 / 67	42 / 54	2.1	9.1	9.2	1	65 / 92	140 / 120	1	1.2	208 / 1	1/8	2-WAY CONTROL VALVES
FCU-209	TRANE FCCB040	HORIZONTAL CONCEALED	300	0.5	1" THROWAWAY	12.8 / 8.6	80 / 67	42 / 54	2.1	9.1	9.2	1	65 / 92	140 / 120	1	1.2	208 / 1	1/8	2-WAY CONTROL VALVES
FCU-210	TRANE FCCB040	HORIZONTAL CONCEALED	300	0.5	1" THROWAWAY	12.8 / 8.6	80 / 67	42 / 54	2.1	9.1	9.2	1	65 / 92	140 / 120	1	1.2	208 / 1	1/8	2-WAY CONTROL VALVES
FCU-211	TRANE FCCB040	HORIZONTAL CONCEALED	300	0.5	1" THROWAWAY	12.8 / 8.6	80 / 67	42 / 54	2.1	9.1	9.2	1	65 / 92	140 / 120	1	1.2	208 / 1	1/8	2-WAY CONTROL VALVES
FCU-212	TRANE FCCB040	HORIZONTAL CONCEALED	300	0.5	1" THROWAWAY	12.8 / 8.6	80 / 67	42 / 54	2.1	9.1	9.2	1	65 / 92	140 / 120	1	1.2	208 / 1	1/8	2-WAY CONTROL VALVES
FCU-213	TRANE FCCB040	HORIZONTAL CONCEALED	300	0.5	1" THROWAWAY	12.8 / 8.6	80 / 67	42 / 54	2.1	9.1	9.2	1	65 / 92	140 / 120	1	1.2	208 / 1	1/8	2-WAY CONTROL VALVES
FCU-214	TRANE FCCB040	HORIZONTAL CONCEALED	300	0.5	1" THROWAWAY	12.8 / 8.6	80 / 67	42 / 54	2.1	9.1	9.2	1	65 / 92	140 / 120	1	1.2	208 / 1	1/8	2-WAY CONTROL VALVES
FCU-215	TRANE FCCB040	HORIZONTAL CONCEALED	300	0.5	1" THROWAWAY	12.8 / 8.6	80 / 67	42 / 54	2.1	9.1	9.2	1	65 / 92	140 / 120	1	1.2	208 / 1	1/8	2-WAY CONTROL VALVES
FCU-216	TRANE FCCB040	HORIZONTAL CONCEALED	300	0.5	1" THROWAWAY	12.8 / 8.6	80 / 67	42 / 54	2.1	9.1	9.2	1	65 / 92	140 / 120	1	1.2	208 / 1	1/8	2-WAY CONTROL VALVES
FCU-217	TRANE FCCB040	HORIZONTAL CONCEALED	300	0.5	1" THROWAWAY	12.8 / 8.6	80 / 67	42 / 54	2.1	9.1	9.2	1	65 / 92	140 / 120	1	1.2	208 / 1	1/8	2-WAY CONTROL VALVES
FCU-218	TRANE FCCB040	HORIZONTAL CONCEALED	300	0.5	1" THROWAWAY	12.8 / 8.6	80 / 67	42 / 54	2.1	9.1	9.2	1	65 / 92	140 / 120	1	1.2	208 / 1	1/8	2-WAY CONTROL VALVES
FCU-219	TRANE FCCB040	HORIZONTAL CONCEALED	300	0.5	1" THROWAWAY	12.8 / 8.6	80 / 67	42 / 54	2.1	9.1	9.2	1	65 / 92	140 / 120	1	1.2	208 / 1	1/8	2-WAY CONTROL VALVES
FCU-220	TRANE FCCB040	HORIZONTAL CONCEALED	300	0.5	1" THROWAWAY	12.8 / 8.6	80 / 67	42 / 54	2.1	9.1	9.2	1	65 / 92	140 / 120	1	1.2	208 / 1	1/8	2-WAY CONTROL VALVES
FCU-221	TRANE FCCB040	HORIZONTAL CONCEALED	300	0.5	1" THROWAWAY	12.8 / 8.6	80 / 67	42 / 54	2.1	9.1	9.2	1	65 / 92	140 / 120	1	1.2	208 / 1	1/8	2-WAY CONTROL VALVES
FCU-222	TRANE FCCB040	HORIZONTAL CONCEALED	300	0.5	1" THROWAWAY	12.8 / 8.6	80 / 67	42 / 54	2.1	9.1	9.2	1	65 / 92	140 / 120	1	1.2	208 / 1	1/8	2-WAY CONTROL VALVES
FCU-223	TRANE FCCB040	HORIZONTAL CONCEALED	300	0.5	1" THROWAWAY	12.8 / 8.6	80 / 67	42 / 54	2.1	9.1	9.2	1	65 / 92	140 / 120	1	1.2	208 / 1	1/8	2-WAY CONTROL VALVES
FCU-224	TRANE FCCB040	HORIZONTAL CONCEALED	300	0.5	1" THROWAWAY	12.8 / 8.6	80 / 67	42 / 54	2.1	9.1	9.2	1	65 / 92	140 / 120	1	1.2	208 / 1	1/8	2-WAY CONTROL VALVES
FCU-225	TRANE FCCB040	HORIZONTAL CONCEALED	300	0.5	1" THROWAWAY	12.8 / 8.6	80 / 67	42 / 54	2.1	9.1	9.2	1	65 / 92	140 / 120	1	1.2	208 / 1	1/8	2-WAY CONTROL VALVES
FCU-226	TRANE FCEB030	HORIZONTAL EXPOSED	275	0	1" THROWAWAY	9.4 / 6.8	80 / 67	42 / 54	1.5	1.6	7.9	1	65 / 91	140 / 120	0.5	1.3	115 / 1	1/8	2-WAY CONTROL VALVES
FCU-227	TRANE FCCB030	HORIZONTAL CONCEALED	275	0	1" THROWAWAY	9.4 / 6.8	80 / 67	42 / 54	1.5	1.6	7.9	1	65 / 91	140 / 120	0.5	1.3	115 / 1	1/8	2-WAY CONTROL VALVES
FCU-228	TRANE FCEB040	HORIZONTAL RECESSED	400	0.1	1" THROWAWAY	11.5 / 8.7	80 / 67	42 / 54	2	5.4	8.2	1	65 / 90	140 / 120	0.5	1.1	115 / 1	1/8	2-WAY CONTROL VALVES
FCU-229	TRANE FCCB040	HORIZONTAL CONCEALED	300	0.5	1" THROWAWAY	12.8 / 8.6	80 / 67												

- NOTES:
1. ACCEPTABLE MANUFACTURERS: TRANE.
 2. HEATING COIL SHALL BE IN THE REHEAT POSITION.
 3. ALL FAN COIL UNITS SHALL BE SELECTED WITH 30% GYLCOL FOR THE CHILLED WATER SYSTEMS.

ENERGY RECOVERY AIR HANDLING UNITS

DESIGNATION		ERAHU-1	
MANUFACTURER / MODEL		TRANE OABD036	
MAXIMUM UNIT LENGTH (INCHES)		161	
MAXIMUM UNIT WIDTH (INCHES)		52	
MAXIMUM UNIT HEIGHT (INCHES)		55	
UNIT ARRANGEMENT	OUTSIDE AIR DUCT INTAKE	END	
	OUTSIDE AIR INTAKE DAMPER	YES	
	OUTSIDE AIR DUCT DISCHARGE	SIDES (2)	
	EXHAUST AIR DUCT INTAKE	YES	
	EXHAUST AIR INTAKE DAMPER	NO	
	EXHAUST AIR DUCT DISCHARGE	SIDE	
	NUMBER OF SHIPPING SECTIONS	SEE DRAWINGS	
	OUTDOOR AIR FILTER	2" PLEATED	
	EXHAUST AIR FILTER	2" PLEATED	
	CASING CONSTRUCTION	GALVANIZED STEEL, BAKED ENAMEL	
CASING INSULATION	2" FOAM		
SUPPLY FAN	SUPPLY AIR FLOW (CFM)	2,500	
	EXTERNAL STATIC PRESSURE (INCHES W.C.)	0.75	
	FAN RPM	2,815	
	FAN BHP	2.1	
	MOTOR HP	3	
EXHAUST FAN	EXHAUST AIR FLOW (CFM)	2,500	
	EXTERNAL STATIC PRESSURE (INCHES W.C.)	0.75	
	FAN RPM	2,370	
	FAN BHP	1.23	
	MOTOR HP	2	
ENTHALPY WHEEL (SUMMER)	OSA EDB / EWB (DEG F.)	98 / 78	
	VENTILATION AIR LDB / LWB (DEG F.)	83.8 / 74.2	
	EXHAUST AIR EDB / EWB (DEG.F)	75 / 63	
	SENSIBLE / LATENT EFFECTIVENESS (%) (1)	61.7 / 25.3	
ENTHALPY WHEEL (WINTER)	OSA EDB / EWB (DEG F.)	17 / 15	
	VENTILATION AIR LDB / LWB (DEG F.)	44.6 / 35.1	
	EXHAUST AIR EDB / EWB (DEG.F)	70 / 58	
	SENSIBLE / LATENT EFFECTIVENESS (%) (1)	52.1 / 46.7	
CHILLED WATER COIL	AIR FLOW (CFM)	2,500	
	COIL FACE VELOCITY (FPM)	486	
	ROWS	6	
	FIN SPACING (FINS PER FOOT)	12	
	ENTERING AIR TEMPERATURE (DB/WB DEG.F.)	83.4 / 70.9	
	LEAVING AIR TEMPERATURE (DB/WB DEG.F.)	56.7 / 56.1	
	COIL AIR PRESSURE DROP (INCHES W.G.)	0.5	
	ENTERING WATER TEMPERATURE (DEG.F.)	43	
	LEAVING WATER TEMPERATURE (DEG.F.)	55	
	CHILLED WATER FLOW (GPM)	11	
	COIL WATER PRESSURE DROP (FEET W.G.)	1.8	
	TOTAL HEAT TRANSFER (MBH)	67.5	
	SENSIBLE HEAT TRANSFER (MBH)	52.9	
	ACCESS DOORS	SEE DRAWINGS	
	SECTION ACCESSORIES	S.S. DRAIN PAN	
	RE-HEAT WATER COIL	AIR FLOW (CFM)	2,500
COIL FACE VELOCITY (FPM)		486	
ROWS		2	
FIN SPACING (FINS PER FOOT)		8	
ENTERING AIR TEMPERATURE (DEG.F.)		49.3	
LEAVING AIR TEMPERATURE (DEG.F.)		75.8	
COIL AIR PRESSURE DROP (INCHES W.G.)		0.51	
ENTERING WATER TEMPERATURE (DEG.F.)		160	
LEAVING WATER TEMPERATURE (DEG.F.)		140	
HEATING WATER FLOW (GPM)		7.2	
COIL WATER PRESSURE DROP (FEET W.G.)		3.2	
TOTAL HEAT TRANSFER (MBH)		71.6	
ELECTRICAL		VOLTS / PHASE	208 / 3
		MINIMUM CIRCUIT AMPS	16.8
	MCCP	20	
NOTES:			
1. ACTUAL EFFECTIVENESS IS BASED ON VENTILATION AIR AND DOES ACCOUNT FOR ANY OFFSET IN AIRFLOW.			
2. THREE WAY CONTROL VALVE TO BE USED FOR CHILLED WATER, 2-WAY FOR HEATING WATER.			
3. COILING SELECTION BASED ON 30% PROPYLENE.			