

**Changes to Existing T-24 Efficiency Tables**

<b>Equipment</b>	<b>Size Category</b>	<b>Original Efficiency</b>	<b>New Efficiency</b>	<b>Unit</b>
SPVAC (Cooling Mode)	< 65,000 Btu/h	10.0	11.0	EER
SPVHC (Cooling Mode)	< 65,000 Btu/h	10.0	11.0	EER
SPVHC (Heating Mode)	< 65,000 Btu/h	3.0	3.3	COP
Propeller or axial fan closed-circuit cooling towers	All	14.0	16.1	gpm/hp
VRF Air Conditioners, Air Cooled	>= 65,000 Btu/h and < 135,000 Btu/h	13.1	15.5	IEER
	>= 135,000 Btu/h and < 240,000 Btu/h	12.9	14.9	IEER
	>= 240,000 Btu/h	11.6	13.9	IEER
VRF Air Cooled, (cooling mode)	>= 65,000 Btu/h and < 135,000 Btu/h	12.9	14.6	IEER
	>= 135,000 Btu/h and < 240,000 Btu/h	12.3	13.9	IEER
	>= 240,000 Btu/h	11.0	12.7	IEER
VRF Water Source (cooling mode)	< 65,000 Btu/h	-	15.8	IEER
	>= 65,000 Btu/h and < 135,000 Btu/h	-	15.8	IEER
	>= 135,000 Btu/h and < 240,000 Btu/h	-	13.8	IEER
	>= 240,000 Btu/h	-	10.0	EER
		-	12.0	IEER
VRF Water Source (heating mode)	< 65,000 Btu/h	-	4.3	COP
	>= 65,000 Btu/h and < 135,000 Btu/h	4.2	4.3	COP
	>= 135,000 Btu/h and < 240,000 Btu/h	3.9	4.0	COP
	>= 240,000 Btu/h	-	3.9	COP

**Efficiency Tables New to T-24, Currently in T-20 (Air Conditioners and Condensing Units Serving Computer Rooms)**

<b>Equipment</b>	<b>Size Category</b>	<b>Standard Model</b>	<b>Class*</b>	<b>Efficiency (COP)</b>
Air Cooled	< 65,000 Btu/h	Downflow Unit	2	2.30
		Upflow Unit - Ducted	2	2.10
		Upflow Unit - Nonducted	1	2.09
		Horizontal-Flow Unit	3	2.45
	≥ 65,000 Btu/h and < 240,000 Btu/h	Downflow Unit	2	2.20
		Upflow Unit - Ducted	2	2.05
		Upflow Unit - Nonducted	1	1.99
		Horizontal-Flow Unit	3	2.35
	≥ 240,000 Btu/h	Downflow Unit	2	2.00
		Upflow Unit - Ducted	2	1.85
		Upflow Unit - Nonducted	1	1.79
		Horizontal-Flow Unit	3	2.15
Water Cooled	< 65,000 Btu/h	Downflow Unit	2	2.50
		Upflow Unit - Ducted	2	2.30
		Upflow Unit - Nonducted	1	2.25
		Horizontal-Flow Unit	3	2.70
	≥ 65,000 Btu/h and < 240,000 Btu/h	Downflow Unit	2	2.40
		Upflow Unit - Ducted	2	2.20
		Upflow Unit - Nonducted	1	2.15
		Horizontal-Flow Unit	3	2.60
	≥ 240,000 Btu/h	Downflow Unit	2	2.25
		Upflow Unit - Ducted	2	2.10
		Upflow Unit - Nonducted	1	2.05
		Horizontal-Flow Unit	3	2.45
Water Cooled w/ Fluid Economizer	< 65,000 Btu/h	Downflow Unit	2	2.45
		Upflow Unit - Ducted	2	2.25
		Upflow Unit - Nonducted	1	2.20
		Horizontal-Flow Unit	3	2.60
		Downflow Unit	2	2.35
		Upflow Unit - Ducted	2	2.15

	>= 65,000 Btu/h and < 240,000 Btu/h	Upflow Unit - Nonducted	1	2.10
		Horizontal-Flow Unit	3	2.55
	>= 240,000 Btu/h	Downflow Unit	2	2.20
		Upflow Unit - Ducted	2	2.05
		Upflow Unit - Nonducted	1	2.00
		Horizontal-Flow Unit	3	2.40
Glycol Cooled	< 65,000 Btu/h	Downflow Unit	2	2.30
		Upflow Unit - Ducted	2	2.10
		Upflow Unit - Nonducted	1	2.00
		Horizontal-Flow Unit	3	2.40
	>= 65,000 Btu/h and < 240,000 Btu/h	Downflow Unit	2	2.05
		Upflow Unit - Ducted	2	1.85
		Upflow Unit - Nonducted	1	1.85
		Horizontal-Flow Unit	3	2.15
	>= 240,000 Btu/h	Downflow Unit	2	1.95
		Upflow Unit - Ducted	2	1.80
		Upflow Unit - Nonducted	1	1.75
		Horizontal-Flow Unit	3	2.10
Glycol Cooled With Fluid Economizer	< 65,000 Btu/h	Downflow Unit	2	2.25
		Upflow Unit - Ducted	2	2.10
		Upflow Unit - Nonducted	1	2.00
		Horizontal-Flow Unit	3	2.35
	>= 65,000 Btu/h and < 240,000 Btu/h	Downflow Unit	2	1.95
		Upflow Unit - Ducted	2	1.80
		Upflow Unit - Nonducted	1	1.75
		Horizontal-Flow Unit	3	2.10
	>= 240,000 Btu/h	Downflow Unit	2	1.90
		Upflow Unit - Ducted	2	1.80
		Upflow Unit - Nonducted	1	1.70
		Horizontal-Flow Unit	3	2.1

\*Class 1 = 75°F Return Air Dry Bulb Temp & 52°F Dew-Point Temp, Class 2 = 85°F Return Air Dry Bulb Temp & 52°F Dew-Point Temp, Class 3 = 95°F Return Air Dry Bulb Temp & 52°F Dew-Point Temp

**Efficiency Tables New to T-24, Not Currently in T-20**

Category	Equipment	Subcategory	New Efficiency	Unit
Indoor Pool	Single Package Indoor W/O Air-Cooled Condenser	-	3.5	MRE
	Single Package Indoor Water-Cooled	-	3.5	MRE
	Single Package Indoor Air-Cooled	-	3.5	MRE
	Split System Indoor Air-Cooled	-	3.5	MRE
DX DOAS W/O HR	Air Cooled (Dehum Mode)	-	4.0	ISMRE
	Air Source Heat Pumps (Dehum Mode)	-	4.0	ISMRE
	Water Cooled (Dehum Mode)	Cooling Tower Condenser Water	4.9	ISMRE
		Chilled Water	6.0	ISMRE
	Air Source Heat Pumps (Heating Mode)	-	2.7	ISCOP
	Water Source Heat Pump (Dehum Mode)	Ground Source, Closed Loop	4.8	ISMRE
		Ground-Water Source	5.0	ISMRE
		Water Source	4.0	ISMRE
	Water Source Heat Pump (Heating Mode)	Ground Source, Closed Loop	2.0	ISCOP
		Ground-Water Source	3.2	ISCOP
Water Source		3.5	ISCOP	
DX DOAS W/O HR	Air Cooled (Dehum Mode)	-	5.2	ISMRE
	Air Source Heat Pumps (Dehum Mode)	-	5.2	ISMRE
	Water Cooled (Dehum Mode)	Cooling Tower Condenser Water	5.3	ISMRE
		Chilled Water	6.6	ISMRE
	Air Source Heat Pumps (Heating Mode)	-	3.3	ISCOP
	Water Source Heat Pump (Dehum Mode)	Ground Source, Closed Loop	5.2	ISMRE
		Ground-Water Source	5.8	ISMRE
		Water Source	4.8	ISMRE
	Water Source Heat Pump (Heating Mode)	Ground Source, Closed Loop	3.8	ISCOP
		Ground-Water Source	4	ISCOP
Water Source		4.8	ISCOP	