

Heat pump split system standards	Ducted/less?	SEER 2	SEER	EER2	EER	HSPF2	HSPF	CoP@5°	Capacity Ratio	Additional Requirements and Notes
Minimum Standard Requirements (Good)										
Federal Minimum Standard	Both	14.3		-		7.5				
EnergyStar v 6.1 minimum standard	Both	15.2		11.7		7.8				

DUCTED Air Source Heat Pumps										
State of Colorado Tax Credit (Pending confirmed details, EnergyStar Performance Listed)										
	Ducted	15.2		11.7		7.8				Tax Credit 10% Equipment only value, Sales Tax exempt as well (2.9% Savings)
25C Tax Credit (CEE Tier 1, North)	Ducted	15.2		10		8.1		1.75	58% 17°/47° or 70% 5°/47°	
DUCTED Non-Cold Climate (Better)										
Xcel non-cold climate	Ducted	14.3	15	11	11.5	7.7	9			
Denver non-cold climate	Ducted	14.3	15	11	11.5	7.7	9			
CO Springs non-cold climate	Ducted	15.2	16	11.7	12.3	7.8	9.2			
Efficiency Works non-cold climate	Ducted	15.2	16			7.8	9.2			Changeover out temp ≤35°
Tri-State non-cold climate	Ducted	15.2	16	11.7	12.3	7.8	9.2			
DUCTED Cold Climate (Best)										
EnergyStar v6.1, cold climate	Ducted	15.2	16			8.1	9.5	1.75	70% 5°/47°	Controls Verification Procedure
Xcel cold climate	Ducted	17.1	18	11	11.5	8.1	9.5		70% 5°/47°	
Denver cold climate	Ducted	15.2	16	10	10.5	8.1	9.5	1.75	70% 5°/47°	Must be NEEP listed
CO Springs cold climate	Ducted	14.3	15			7.7	9	1.75		Must be NEEP listed
Efficiency Works cold climate	Ducted	15.2	16			8.1	9.5			Must be certified as Cold Climate by ESTAR, NEEP, AHRI, CEE. Change over of ≤5°
Tri-State cold climate	Ducted	15.2				8.1				Must be variable speed
Holy Cross Electric cold climate	Ducted					8.1		1.75		

DUCTLESS Air Source Heat Pumps										
State of Colorado Tax Credit (Pending confirmed details, EnergyStar Performance Listed)										
	Ductless	15.2	16	11.7	12.3	7.8	9.2			Tax Credit 10% Equipment only value, Sales Tax exempt as well (2.9% Savings)
25C Tax Credit (CEE Tier 2, North)	Ductless	16		9		9.5		1.75	58% 17°/47° or 70% 5°/47°	
DUCTLESS Non-Cold Climate (Better)										
Xcel non-cold climate	Ductless	15	15	11	11	8.1	9			
Denver non-cold climate	Ductless	15	15	11	11	8.1	9			
CO Springs	Ductless	15.2	16	11.7	12.3	7.8	9.2			
Efficiency Works	Ductless									
Tri-State	Ductless					7.8				
DUCTLESS Cold Climate (Best)										
EnergyStar v6.1, cold climate	Ductless	15.2	15.2			8.5	9.4	1.75	70% 5°/47°	Controls Verification Procedure
Xcel cold climate	Ductless	18	18	11	11	8.6	9.5		70% 5°/47°	
Denver cold climate	Ductless	16	16	9	9	9.5	10.6	1.75	70% 5°/47°	Must be NEEP listed
CO Springs	Ductless	15	15			8.5	9.4	1.75		
Efficiency Works	Ductless	21	21			9.1	9.5			Must be certified as Cold Climate by ESTAR, NEEP, AHRI
Tri-State	Ductless					8.5				
Holy Cross Electric	Ductless					9.5		1.75	58% 17°/47° or 70% 5°/47°	

Other National Standards										
DOE cc Challenge 2-4 ton	Both	14.3				8.5		2.4	100% ratio @ 5°	
DOE cc Challenge >4 ton	Both	14.3				8.5		2.1	100% ratio @ 5°	
NEEP v 4.0	Ducted	14.3	15			7.7	9	1.75		
NEEP v 4.0	Ductless	15	15			8.5	10	1.75		Additional requirements listed in NEEP Spec v4.0
CEE Advanced Tier	Ducted	17		N/A		8.1		1.75	58% 17°/47° or 70% 5°/47°	"CEE Demand Response Criteria Level 2" / Energy Star Cold Climate Controls Verification
CEE Advanced Tier	Ductless	17		N/A		10		1.75	58% 17°/47° or 70% 5°/47°	"CEE Demand Response Criteria Level 2" / Energy Star Cold Climate Controls Verification