



# 202 Chiller

## 1H(TLSPHW&RVWUFWLR

### Examples of how to calculate chiller Incentives:

Eligibility Requirements		Proposed Equipment		Incentives				
Unit Size ARI Net Tons	Minimum Performance Requirements, FL or IPLV	Net Tons	Proposed Efficiency	Base Incentive (per ton)	Base Incentive Total	Performance Incentive per ton (Max of 2 times base Incentive)	Performance Incentive Total	Total Incentive (F+H)
(A)	(B)	(C)	(D)	(E)	(F) = (C * E)	(G)	(H) (see examples)	(I) = (F + H)
<b>Air Cooled Chillers</b>								
< 150 tons	EER: FL: 10.52 IPLV: 13.75	125	FL: 9.8 IPLV: 14.2	\$20	\$2,500	\$3.25	\$1,829	\$4,329
<b>Water Cooled Chillers - Centrifugal</b>								
≥ 150 and < 300 tons	kW/ton: FL: 0.518 IPLV: 0.360	275	kW/ton: FL: 0.580 IPLV: 0.335	\$17	\$4,675	\$1.25	\$861	\$5,536

#### Ex 1: Incentive calculation for a 125 ton air cooled chiller unit with EER= 9.8 (FL) and EER = 14.2 (IPLV)

Unit does not meet Full Load minimum requirement (however, it does meet the IECC 2009 Code) and meets IPLV minimum requirement so the unit qualifies for a Incentive.

Total Incentive = Base Incentive: (C \* E) + Performance Incentive: (D - B) \* 10 \* C \* G

Base Incentive = 125 tons \* \$20/ton = \$2,500

Performance Incentive (using IPLV kW/ton values) = (14.2 - 13.75) \* 10 \* \$3.25 = \$14.63/ton, Incentive is 125 tons \* \$14.63/ton = \$1,829 which is less than the maximum of 2 times the base Incentive

Total Incentive (I) = \$2,500 + \$1,829 = **\$4,329**

#### Ex 2: Incentive calculation for a 275 ton water cooled chiller unit with a FL kW/ton of 0.580 and IPLV kW/ton of 0.335

Unit does not meet Full Load minimum requirement (however, it does meet the IECC 2009 Code) and meets IPLV minimum requirement so the unit qualifies for a Incentive.

Total Incentive = Base Incentive: F = C \* E + Performance Incentive: H= (B - D) \* 100 \* C \* G

Base Incentive = 275 tons \* \$17/ton = \$4,675

Performance Incentive (using IPLV kW/ton values) = (0.360 - 0.335) \* 100 \* \$1.25 = \$3.13/ton, Incentive is 275 tons \* \$3.13/ton = \$861 which is less the maximum Incentive of than 2 times the base Incentive.

Total Incentive (using IPLV kW/ton values), (I) = \$4,675 + \$861 = **\$5,536**

### Post-Installation:

#### Utility Representative must verify that:

1. The Chiller has been installed and operable.
2. The installed chiller matches the Chiller Incentive Application information. If the equipment has changed from what was approved for the initial Incentive offer, the actual equipment specifications must be submitted and reviewed by the utility to verify compliance with technical requirements and approved before a Incentive is considered.
3. The invoice or proof of payment has been submitted.
4. The Utility Representative & Customer have signed & dated the post installation inspection block on the Incentive form.