

2018 HVAC/PLUMBING INCENTIVE CATALOG SUPPLEMENTAL DATA SHEET

THIS FORM MUST BE ATTACHED TO COMPLETED INCENTIVE APPLICATION AND SUBMITTED TOGETHER. NEED HELP? CALL 800.762.7077.

HOW TO FILL OUT THIS FORM

Please refer to:

- The **HVAC/Plumbing Incentive Catalog** for measure requirements and information.
- Complete the table corresponding to the measure in the catalog.

Attach this form to a completed **Incentive Application** and submit together.

CUSTOMER INFORMATION

JOB SITE BUSINESS NAME _____

JOB SITE ADDRESS _____

TRADE ALLY NAME _____

A AIR CONDITIONING SPLIT AND PACKAGED SYSTEMS (> 5.4 TONS) – INCENTIVE CODE: H4368, H4369, H4370, H4371, M-H4368, M-H4369, M-H4370, M-H4371, S-H4368, S-H4369, S-H4370, S-H4371 SPLIT SYSTEM AIR CONDITIONING - CONDENSING UNIT ONLY - INCENTIVE CODE H3909, M-H3909, S-H3909

PAGE 33
PAGE 34

EQUIP #	AHRI RATED CAPACITY (tons, 2 decimals)	AHRI RATED PART LOAD EFFICIENCY (IEER, 2 decimals)	PART LOAD EFF TO QUALIFY (IEER) (from Measure Description pg 33)	DELTA EFFICIENCY (AHRI rated - Part Load Eff to Qualify)	ADDITIONAL INCENTIVE (DELTA EFFICIENCY x \$5)	BASE INCENTIVE (\$/ton)	INCENTIVE RATE (\$/ton) (base incentive + additional incentive)	TOTAL INCENTIVE* (AHRI rated tons x incentive rate)
<i>Example</i>	15.00	13.60	13.00	0.60	\$3	\$30	\$33	\$495

B1 CHILLERS (BUILDING COOLING LOAD) – INCENTIVE CODE: H2249, H2250, H2251, H2252, S-H2249, S-H2250, M-H2249, M-H2250, M-H2251, M-H2252

PAGE 35-36

EQUIP #	ANNUAL HOURS OF CHILLER OPERATION (hours chiller enabled to provide some cooling to building)	BUILDING/SPACE DESIGN COOLING LOAD (tons)	BASE OR TRIM CHILLER?
<i>Example</i>	4,000	90.00	Base

B2 CHILLERS (EQUIPMENT PERFORMANCE) – INCENTIVE CODE: H2249, H2250, H2251, H2252, S-H2249, S-H2250, M-H2249, M-H2250, M-H2251, M-H2252

PAGE 35-36

EQUIP #	AHRI RATED CAPACITY (tons, 2 decimals)	MAX FULL LOAD (kW/ton) (from Measure Description pg 35-36)	AHRI RATED FULL LOAD EFFICIENCY (kW/ton, 2 decimals)	MAX PART LOAD (IPLV) (kW/ton) (from Measure Description pg 35-36)	AHRI RATED PART LOAD EFFICIENCY (IPLV) (kW/ton, 2 decimals)	DELTA EFFICIENCY: (max full load - rated full load) + (max part load - rated part load)	ADDITIONAL INCENTIVE (\$/ton) (delta efficiency x \$200 or \$250)	BASE INCENTIVE (\$/ton)	INCENTIVE RATE (\$/ton) (additional incentive + base incentive)	TOTAL INCENTIVE* (AHRI rated capacity x incentive rate)
<i>Example (air cooled)</i>	95.00	1.20	1.15	0.90	0.75	0.20	\$50	\$10	\$60	\$5,700

C ENERGY RECOVERY VENTILATOR (ERV) – INCENTIVE CODE: H2314, S-H2314, M-H2314

PAGE 40

EQUIP #	HOURS OF OPERATION (hrs/wk)	SUPPLY AIRFLOW (AHRI listed CFM)	AHRI WINTER EFFECTIVENESS %	AHRI SUMMER EFFECTIVENESS %	HEATING SYSTEM EFFICIENCY (%)	COOLING SYSTEM EFFICIENCY (kW/ton or EER, 2 decimals)
<i>Example</i>	60 hrs/wk	2,000	81%	77%	80%	1.20 kW/ton

D ECONOMIZERS – INCENTIVE CODE: H3066, S-H3066

PAGE 41

EQUIP #	RTU RATED CAPACITY (tons)	RTU COOLING EFFICIENCY (EER, IF KNOWN)	ECONOMIZER CHANGEOVER TEMP (°F)	AHU CONTROLS (no setback or EMS/t-stat)
<i>Example</i>	10.00	10.30	60	T-stat

E ADVANCED ROOFTOP UNIT CONTROLLERS – INCENTIVE CODE: H3964, S-H3964, M-H3964

PAGE 42

EQUIP #	NOMINAL COOLING CAPACITY (tons)	FAN HP	ECONOMIZER OPERATIONAL (YES / NO)?	WEEKDAY OPEN / CLOSE TIMES	SATURDAY OPEN / CLOSE TIMES	SUNDAY OPEN / CLOSE TIMES
<i>Example</i>	15.00	5	Yes	7 AM / 9 PM	8 AM / 10 PM	11 AM / 7 PM
				/	/	/
				/	/	/

F DEMAND CONTROLLED VENTILATION (DCV) – INCENTIVE CODE: H3266, S-H3266 (SINGLE ZONE RTU); H2853, S-H2853 (DCV FOR AHU) PAGE 43

EQUIP #	SPACE COOLING TYPE	SPACE HEATING TYPE	AREA SERVED TYPE	AHU COOLING SIZE (TONS)	HOURS OF OPERATION/ WEEK	AREA SERVED (sq ft)	ECONOMIZER (DB, ENTH, none)	AHU CONTROLS (no setback, EMS/T-STAT)	TOTAL SUPPLY AIRFLOW RATE (CFM)	OUTSIDE AIRFLOW RATE (CFM)
<i>Example</i>	<i>DX</i>	<i>Gas</i>	<i>Office</i>	<i>12.00</i>	<i>60</i>	<i>10,000</i>	<i>DB</i>	<i>T-stat</i>	<i>12,000</i>	<i>3,000</i>

G GUEST ROOM ENERGY MANAGEMENT CONTROLS – INCENTIVE CODE: H2374, S-H2374 PAGE 44

HVAC SYSTEM TYPE	COOLING EFFICIENCY W/ UNITS	HEATING EFFICIENCY W/ UNITS	“OTHER HEAT OPTION” EXPLANATION	HEATING SYSTEM SOURCE (if WSHP or fan coil)	COOLING SYSTEM SOURCE (if WSHP or fan coil)
<i>PTHP</i>	<i>12.40 EER</i>	<i>3.30 COP</i>	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>

H COMMUNICATING AND SMART THERMOSTATS – INCENTIVE CODE: H4372, H4373, H4374, S-H4372, S-H4373, S-H4374, M-H4298, M-H4299, M-H300 (COMMUNICATING); H4375, H4376, H4377, S-H4375, S-H4376, S-H4377, M-H3609, M-H3610, M-H3611 (SMART) PAGE 45

THERMOSTAT #	HEATING CAPACITY (MBH)	HEATING EFFICIENCY (%)	COOLING CAPACITY (MBH)	COOLING EFFICIENCY (SEER OR EER)	SPACE TYPE
<i>Example</i>	<i>175 MBh</i>	<i>80%</i>	<i>145 MBh</i>	<i>11.20 EER</i>	<i>Small Retail</i>

I PARKING GARAGE VENTILATION CONTROLS – INCENTIVE CODE: H3016, M-H3016, H3493, M-H3493 PAGE 46

LOCATION	EXHAUST FAN SIZE (HP)	PROPOSED FAN OPERATION (hrs/day)	VENTILATION AIRFLOW (CFM)	GARAGE SIZE (sq ft, if heated)	HEATING SYSTEM EFFICIENCY (%)	HEATING SETPOINT (°F)
<i>Garage-1a</i>	<i>10</i>	<i>10</i>	<i>6,700</i>	<i>10,000</i>	<i>80%</i>	<i>55</i>

J SURGERY OCCUPANCY CONTROLS – INCENTIVE CODE: H3632 PAGE 46

LOCATION	AVERAGE AREA (SQ FT) OF SURGERY ROOMS	WHEN ARE SURGERY ROOMS OCCUPIED?	ESTIMATED SURGERY HRS/ YRS	RE-HEAT TYPE (electric or gas)	EXISTING AIR CHANGES PER HOUR	ROOM TEMPERATURE SETPOINT, °F	DISCHARGE AIR TEMPERATURE, °F	# OF ROOMS WITH CONTROLS
<i>Example</i>	<i>400</i>	<i>6 AM to 10 PM</i>	<i>5,840</i>	<i>gas</i>	<i>20</i>	<i>65</i>	<i>50</i>	<i>4</i>

K VARIABLE FREQUENCY DRIVES – INCENTIVE CODE: H2640, S-H2640, M-H2640, H2641, S-H2641, M-H2641, H2643, S-H2643, M-H2643, H2726, S-H2726, M-H2726, H2644, S-H2644, M-H2644, H2646, S-H2646, M-H2646 PAGE 47-48

VFD #	VFD APPLICATION	CONTROLS BEFORE VFD	EQUIPMENT OPERATING HOURS (2,000 hr/yr min)	HP CONTROLLED BY VFD	QUANTITY	SUBTOTAL INCENTIVE (qty X HP X \$/HP)*
<i>AHU-1a</i>	<i>HVAC Fan</i>	<i>Inlet Guide Vanes</i>	<i>2500</i>	<i>10</i>	<i>3</i>	

L HIGH-USE COMMERCIAL WATER HEATERS – INCENTIVE CODE: P3045, S-P3045, P3046, S-P3046, P3047, S-P3047, P3684 PAGE 52

BLDG TYPE	EXISTING SYSTEM FUEL TYPE	EXISTING WATER HEATER TYPE	EXISTING EFFICIENCY (% or EF)	WATER HEATER SUPPLY TEMPERATURE (°F)	ANNUAL OPERATION (days/year)	ACTUAL USAGE (See page 52 for units of measure)	NEW SYSTEM EFFICIENCY (% or EF)
<i>Example-Cafeteria</i>	<i>Gas</i>	<i>Gas Storage</i>	<i>82%</i>	<i>125 °F</i>	<i>350</i>	<i>400 meals/day</i>	<i>95%</i>

M DOMESTIC HOT WATER PLANT – INCENTIVE CODE: M-P2760 PAGE 54

EQUIP #	# OF EXISTING WATER HEATERS	INPUT CAPACITY (MBh)	TANK MFG (Required if indirect)	TANK MODEL NUMBER (Required if indirect)	TANK INPUT CAPACITY (Btu/hr) (Required if indirect)
<i>Example</i>	<i>1</i>	<i>299</i>	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>