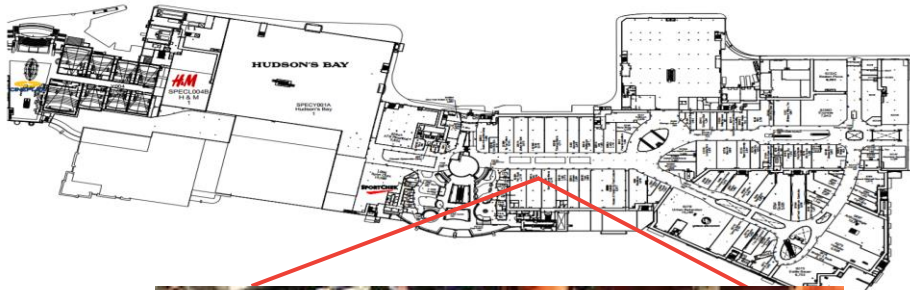


CONTROL RISING ELECTRICITY COST

WHILE REDUCE BUILDING CARBON FOOTPRINT!

CF CHINOOK CENTRE
UPPER LEVEL / NIVEAU SUPÉRIEUR

CF Cadillac
Fairview



Packaged (modular) CHP units. These units include all of the CHP components packaged together, including engine, generator, heat recovery equipment and electrical switchgear. Previously, CHP systems were individually engineered for each application, but organizations now have a cheaper and easier way to install CHP. Our packaged units are engine based and can be as small as 35 kilowatts up to 4 megawatts.

Is My Building a Good Candidate for CHP

- Are average electricity rates more than \$.07kWh (including generation, transmission, and distribution)?
- Is there a need to reduce energy cost or minimize exposure to a possible increase in electricity rate?
- Is the building located in a deregulated electrical market?
- Is power reliability a concern? Would there be a substantial business, safety or health impact if power went out?
- Does the building operate for more than 5,000 hours/year?
- Are there thermal loads throughout the year (including steam, hot water, chilled water and hot air)?

“Yes,” answers to any of these questions suggest the building may be a good candidate for CHP.

MICRO COMBINED HEAT AND POWER (CHP)

For over 52 years the Olympic Group of Companies has supplied Western Canada with innovative HVAC technology.

We are your single-source solution provider for sales and service for one of the world's largest suppliers of cogeneration/combined heat and power (CHP) expertise and equipment.

TEDOM 3700+ installs

Application: COMMERCIAL AND MULTI-FAMILY BUILDINGS TO OIL SANDS PROJECTS, REFINERIES, PRODUCTION PLANTS, MINING OPERATIONS, TELECOM AND WASTEWATER TREATMENT PLANTS, THE SPECIALISTS AT OISI ARE DEDICATED TO HVAC/CHP SOLUTIONS



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Calgary AB T2G 4M6,

www.olympicintegrated.com
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Business: 587-955-9977

CHINOOK CENTER PROJECT SUMMARY

System configuration: 150 kWh master and a 200 kWh slave.



Basic Technical Data

Nominal electrical output	144			kW
Maximum heat output	212			kW
Load	50	75	100	%
Heat output	135	175	212	kW
Fuel input	235	321	403	kW
Electrical efficiency	30,7	33,7	35,7	%
Heat efficiency	57,6	54,5	52,5	%
Total efficiency (fuel utilization)	88,3	88,2	88,2	%
Gas consumption	24,8	33,7	42,7	m ³ /h

Basic Technical Data

Nominal electrical output	192			kW
Maximum heat output	255			kW
Load	50	75	100	%
Heat power	158	205	255	kW
Fuel input	288	396	507	kW
Electrical efficiency	33,3	36,4	37,8	%
Heat efficiency	55,1	51,9	50,5	%
Total efficiency (fuel utilization)	88,4	88,3	88,3	%
Gas consumption	30,5	41,9	53,7	m ³ /h

Noise Parameters

Version:	standard	Silent ¹⁾	Super Silent ¹⁾	
Sound enclosure of CHP unit at 1m	78	72	65	dB(A)
Ventilation outlet of sound enclosure at 1m	89	76	65	dB(A)
Exhaust gas outlet at 1m from the silencer flange ²⁾	65	65	60	dB(A)

1) the sound protection version Silent or Super Silent is not included in the standard scope of delivery but it can be ordered
 2) the noise parameter can be reduced by optimizing the exhaust silencer to the required acoustic pressure level or by applying the exhaust silencer beyond the standard range designed for 60 dB(A) at 1 m

