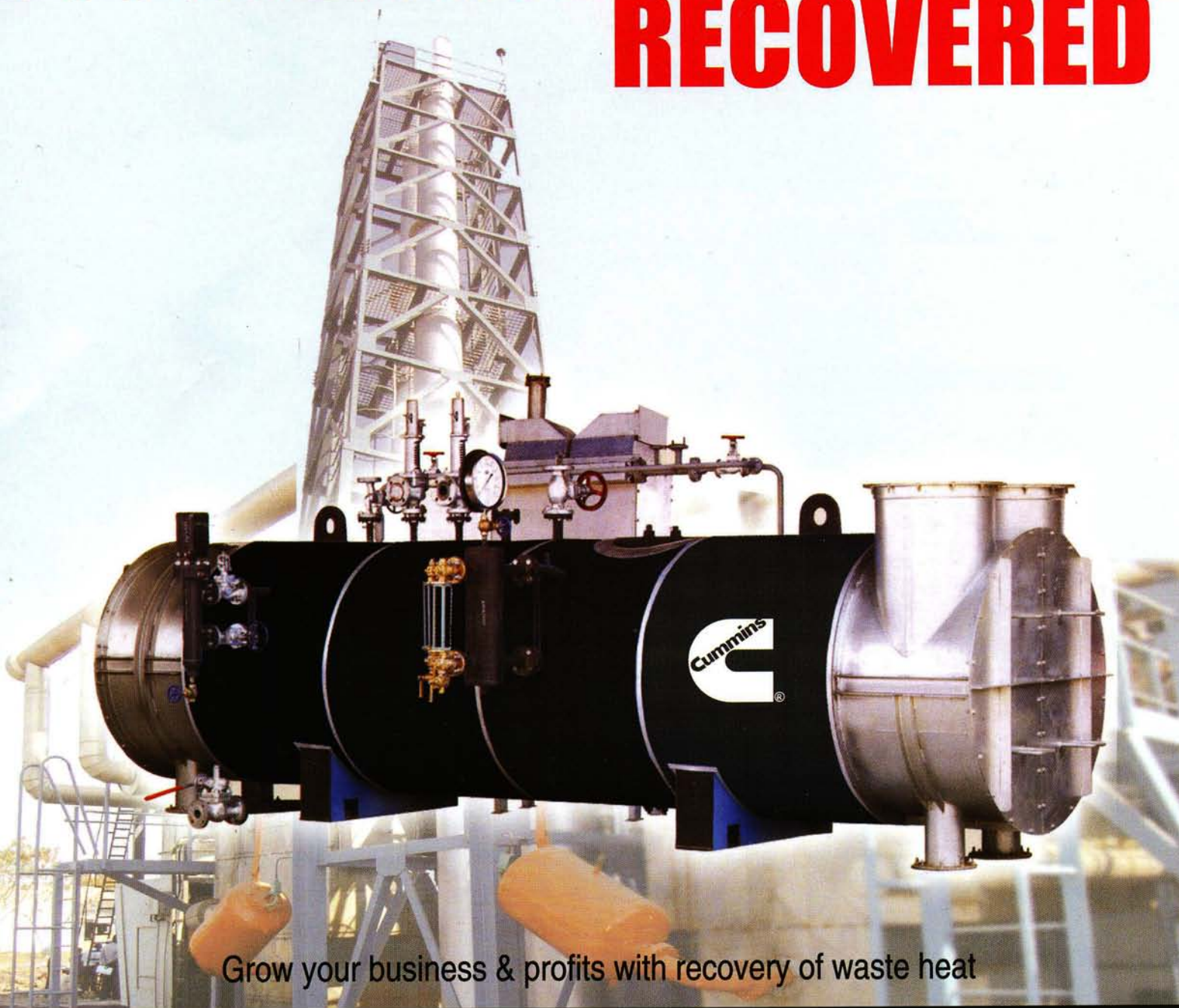


EVERY™ WASTE HEAT RECOVERED



Grow your business & profits with recovery of waste heat

Cummins Sales and Service (I) Limited

Erandawana, Pune 411 038, India.

M: 9822017644 Tel. : (91) 020-3027 8000

Fax : (91) 020-2543 9490

E-mail: satish.s.acharya@cummins.com

Exhaust Gas Boiler

Strategic alliance with Thermax.
Over 25 successful installations.
Every Industry, Every Segment.
25% repeat customers.

Introduction

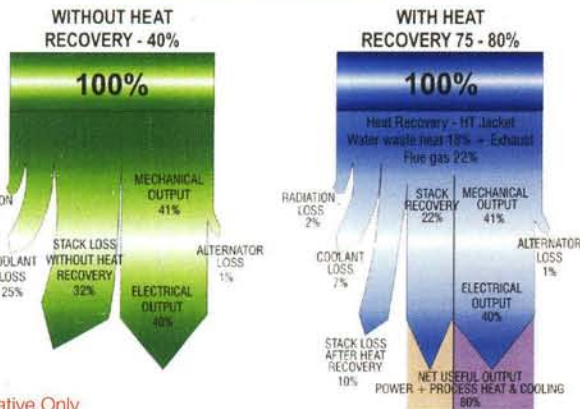
Grid power supply is a grim reality. This grid deficiency is met by usage of D.G. Sets. EnerGen boilers are introduced to boost system efficiency. It comprises of shell & tube heat exchanger (H.E.) with finned tube economizer for higher efficiency. This is directly connected to engine exhaust & heat is then transferred to EnerGen boiler to generate steam or hot water. Waste heat energy is primarily utilized for space heating, water heating, process heating or use in absorption chillers, for comfort cooling.

Boilers are classified into IBR and non-IBR. IBR boilers can be designed either with smoke tube or water tube.

Generous tax credits, together with emission reductions mandated by the Kyoto Protocol, have stimulated investment in cogeneration systems worldwide.

***Double the overall system efficiency!**

Sankey Diagram* for IC engine



*Indicative Only

Features

- Back pressure control on flue gas side
- Low water level safety trip
- High steam pressure control
- 3 Way gas by pass Damper
- Corrosion management
- Finned tube economiser

Benefits

- Energy saving up to 35% or more
- Production of power and heat from a single source of fuel
- Recovery system for efficiency utilization of heat
- Scalable system from 30 kW to 30 MW
- Attractive payback
- Optimized Performance
- Cleaner air
- Easy installation & expansion

Major Applications

- Hospitals
- Textile units
- Hotels
- Industries/chemical plants
- Manufacturing
- Commercial facilities
- Food Processing
- Swimming pools

Major Key Accounts

- Alladad Tannary (u-s)
- BASF (t-b)
- Cummins India (u-s)
- Cummins India (t-c)
- Denso Harayana (t-b)
- East India Hotel (u-hw)
- Gujrat Insecticides (u-s)
- Gujrat Prpopack (u-s)
- Heinze India (u-s)
- Shrikrishna Ind. (t-b)
- Indian Galvanics (u-s)
- Krishna Maruti (u-s)
- Nakoda Textile (t-c)
- Nestle India (t-c)
- Pepsico (u-s)
- Pepsico (t-c)
- Pricol (t-c)
- Samcore Glass (u-s)
- SRF (t-b)
- UP Asbestos (u-ha)
- Varun Beverages (u-s)
- Villa Resorts (t-b&c)

Technical Specifications

MODEL NOS.	UNITS	ENSG 3	ENSG 4	ENSG 5	ENSG 6	ENSG 7	ENSG 8
DIMENSIONS-L	mm	5500	5200	5400	5400	5450	5600
W	mm	1500	1600	1900	2200	2600	2750
H	mm	1550	1680	2000	2150	2650	2850
WEIGHT	Kg	4700	5500	7300	8700	13100	16500

STEAM GENERATION - LHP			STEAM GENERATION - HHP		
ENGINE	STEAM (kg/h)		ENGINE	STEAM (kg/h)	
MODELS	100% LF	75%LF	MODELS	100%LF	75%LF
NT495	56	36	VTA28G	240	180
NTC495	69	50	KTA19G4	269	190
NTA495	77	51	VTA28G3	336	265
NT743G1	96	61	VTA28G5	354	295
NT743G	102	63	KT2300G	418	295
NTA743G	102	75	KTA2300G	438	320
NTA855G1	116	88	KTA3067G	565	450
NTA855G	126	110	KTA50G3	828	675
KT1150G	200	150	KTA50G8	787	690
KTA1150G	190	150	QSK60G3	933	725
VT1710G	210	150	QSK60G4	955	800

(All figures are indicative only).

