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Power Generation

Cummins Gas Generator

provides lifeline to Dow University of Health & Sciences (DUHS), one of the most prominent Universities and Hospitals of Pakistan.

This is in addition to its decade long presence in Aga Khan University Hospital and Shaukat Khanum Hospital Lahore....

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Editor's Note

Assalam-o-alaikum!

Ken Burnett, in his article gives an interesting account of his tour to Africa in 1978, when he visited the wild north of Kenya. In tiny villages and markets along the way he kept seeing signs of a famous shoe brand. When it came to presence of commercial products in these flyblown remote spots, the brand was quite prominent than any other maker of anything. He wondered why it was so at that time, and later was told this tale, in detail.

“At the end of the nineteenth century, just as colonial Africa was opening up as a market; all the manufacturers of shoes in England sent their sales representatives to Africa to see if there might be an opportunity there for their products. All returned with the same answer. ‘Nobody in Africa wears shoes. So, there is no market for our products there.’

All, that is, except for the brand representative. He came back saying, ‘Nobody in Africa wears shoes. So, there’s a huge market for our products in Africa!’

And that is why signs promoting the brand appear all over Africa, even in the remotest of spots. It is for this reason why the brand shoes are known as the shoes of Africa.”

So readers, it’s all about how we look at things and how we see them. Being good at looking is a quality well worth cultivating in every walk of life, especially for successful salesmanship.....

Words of Wisdom

- ★ Do not devour another’s property wrongfully – unless it is by trade based on mutual consent.
(Al-Nisa: 29)
- ★ Allah’s mercy descends on one who is gentle at the time of buying, selling and requesting payment.
(Tirmizi)
- ★ Luxury is an obstacle, and so is the fatness of the body.
(Umer bin khattab)
- ★ If you expect the blessings of God, be good to His people.
(Abu Bakr Siddique)
- ★ Forgiveness is the crown of greatness.
(Imam Ali)
- ★ Management is doing things right; leadership is doing the right things.
(Peter Drucker)
- ★ A satisfied customer is the best business strategy of all.
(Michael LeBoeuf)
- ★ The key to time management is to see the value of every moment.
(Menachem Mendel Schneerson)
- ★ The only surefire method of success in this life and the hereafter is being obedient to your Lord and then your parents.
Barkat Ali Rajput

Health Tips for a Better Lifestyle at Work

- ★ Do not miss breakfast.
- ★ Get homemade food with you to the office.
- ★ Get out of the office during your lunch break and/or take a stroll around your building or the neighborhood.
- ★ Keep your body hydrated at work. Have your water bottle handy not settling for less than 8 glasses a day.
- ★ Cut down on caffeine.
- ★ Do not compromise on half an hour’s daily walk.
- ★ Keep your sleep schedule as regular as possible.
- ★ Margarine is a healthier substitute for butter.
- ★ Losing as little as 5 to 10 percent body weight can greatly reduce weight related health risks.
- ★ About one third of people who have heart attacks do not have chest pain.

Cummins UK Launches New 43% Electrical Efficiency Gas Generators For Pakistan

Energy Solutions (Private) Limited – the exclusive distributor for Cummins Power Generation (CPG) Gas, UK, introduces the new 43% electrical efficiency generator called the “High Efficiency Series”. This new high efficiency series has three generators rated at 1200kW, 1400kW and 2000kW at 1500RPM, available in both LT and HT voltages.

These high efficiency generators are in addition to Cummins existing, very different, lean burn, 1500RPM, “high torque” series with close to 40% electrical efficiency, capable of taking up to 75% block load with under 0.285 NM³ fuel consumption on Pakistani gas. The “high torque” series will continue to be available for all industries with high torque load problem.

Energy Solutions (Private) Limited – ESL is the exclusive distributor for Cummins gas generators business from Cummins Power Generation, UK. Headquartered in Karachi and with branches in Lahore and Islamabad, it is primarily a service company helping customers select, install, operate and maintain power generation equipment. ESL’s existing capability to exceed customer expectations in power generation has been a key differentiator when Cummins decided for a local partner for its gas products in 2014. ESL already manages approximately 1,000 maintenance contracts across Pakistan.

Cummins new, high efficiency gas generators series is the outcome of Cummins R&D efforts into high power density, higher fuel efficiency and excellent total efficiency domain. These engines can be synchronized to any existing diesel or gas generator available in your factory or to the main grid by ESL and the dimensions ensure that these can be installed on your existing foundation pad. So, if you are thinking of replacing an old generator, think of Cummins gas high efficiency series this time.

Cummins gas engines are made by Cummins Engine Company, UK, alternators are made by Cummins Generator Technology, UK, known to the world as Stamford Alternators and the complete package comes from Cummins Power Generation, UK.

Cummins components design stability ensures a life of 90,000 running hours before the first major overhaul. Similarly the Cummins ‘parts kit’ philosophy makes overhauling much cheaper compared to the competition. This fuel and parts saving gives Cummins high efficiency series, the lowest overall cost of ownership in ten years in Pakistan.

In addition to excellent fuel consumption, as an example, the 1400kW generator gives around 1.2 ton @ 10 bar steam per hour or 250RFT cooling or process hot water with similar calculations. Energy Solutions (Private) Limited is a flexible company and does not associate itself with any chiller manufacturer, heat recovery equipment manufacturer or any other auxiliaries’ manufacturer. ESL provides complete application engineering, project engineering, but leaves choice of equipment to the industrialist himself. We believe, he is the best person to understand which heating, cooling and auxiliary equipment gives him the best value for his money. ESL will design your plant with equipment of your choice.

Just like the existing “high torque” series (1.16 MW, 1.54 MW and 1.75 MW), the new high efficiency series (1.2 MW, 1.4 MW and 2 MW) has been developed to run on a variety of gaseous fuels including natural gas, biogas, coal steam gases and LPG. Gas of low calorific value or low methane number poses little threat to Cummins lean burn gas generators.

If you are planning to replace your old inefficient gas generator or planning a new power plant ESL / Cummins provides you the solutions with its high efficiency range of 1.2 MW, 1.4 MW and 2 MW. Just give us a call us at 111-222-375 Karachi, Lahore or Islamabad or 0302-8222602 or write to us at customercare@esl.pk. We will visit your factory to discuss your problem and suggest the correct generator for your application.

High Efficiency Series

1200kW, 1400kW, 2000kW

Ideal for textile spinning & composite units

Features:

1. 43% Electrical Efficiency.
2. High total efficiency; ideal for co-generation.
3. Low deration at high temperature.
4. Low total cost of ownership (TCO).

High Torque Series

315kW, 1160kW, 1540kW, 1750kW

Ideal for airjet looms, plastic and metal mills

Features:

1. 50 to 75% torque load acceptance.
2. Excellent sudden load rejection performance.
3. High total efficiency; ideal for co-generation.
4. Low deration at high temperature.

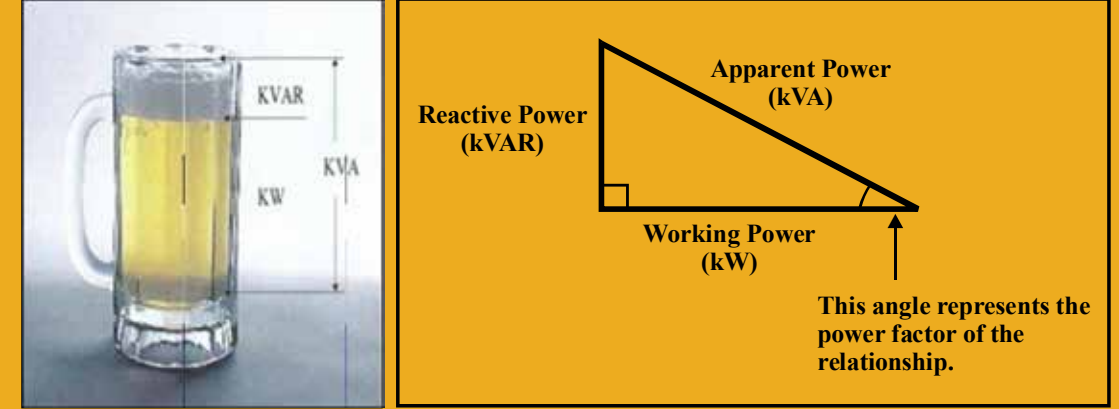
Cummins Power Generation



پاور فیکٹر (Power Factor)۔ اک معمہ سمجھنے کا، نہ سمجھانے کا۔۔۔

(ESL کتاچہ برائے ٹریننگ - ڈیزل اور گیس جنریٹرز سے ماخوذ)

برسلز شہر کے وسط میں ایک شراب خانہ واقع ہے جہاں نہایت عمدہ قسم کی شراب خاص مہمانوں کو پیش کی جاتی ہے۔ شراب کا ایک گلاس تقریباً سو ڈالر میں دستیاب ہوتا ہے۔ ہر گلاس میں تقریباً اسی فیصد شراب ہوتی ہے اور بیس فیصد اسکا جھاگ۔ یعنی گا ہک اسی ڈالر شراب کے لئے ادا کرتا ہے اور بیس ڈالر محض اس جھاگ کے لئے جو اسکے کسی کام کا نہیں۔ پھر اچانک برسلز کی انتظامیہ یہ فیصلہ کرتی ہے کہ گا ہک کو اتنے ہی پیسے ادا کرنے ہوں گے جتنی وہ شراب نوشی کرتا ہے۔ یعنی اب اسکو جھاگ کے پیسے ادا کرنے کی قطعی ضرورت نہیں۔ اس فیصلے سے شراب خانے کا کاروبار بڑی طرح متاثر ہوتا ہے اور وہ ایک منافع بخش ادارے سے تبدیل ہو کر غیر منافع بخش ادارہ بن جاتا ہے۔



کچھ اسی طرح کی صورتحال کا سامنا بجلی فراہم کرنے والی کمپنی کو بھی کرنا پڑتا ہے۔ وہ بجلی کا ایک گلاس صارف کو فراہم کرتی ہے اور صارف اس میں سے فقط 70 تا 80 فیصد کارآمد استعمال کے لیے خرچ کرتا ہے۔ باقی 20 تا 30 فیصد بجلی جھاگ کی طرح دھری کی دھری رہ جاتی ہے۔ بجلی فراہم کرنے والی کمپنی مثال کے طور پر ایک لاکھ روپے کی بجلی فراہم کرتی ہے اور صارف اس کے صرف 70 تا 80 ہزار روپے ادا کرتا ہے۔ جانتے ہیں ایسا کیوں ہے؟ ایسا پاور فیکٹر کی بدولت ہے۔۔۔!

پاور فیکٹر استعمال کی جانے والی بجلی اور فراہم کی جانے والی بجلی کا حاصل تقسیم ہوتا ہے۔ بجلی kVA میں فراہم کی جاتی ہے جبکہ اسکا استعمال kW کی صورت میں ہوتا ہے۔ ان دونوں کے درمیان جو فرق ہوتا ہے وہ محض جھاگ ہے۔

بقیہ آرٹیکل کے مطالعے کے لیے ہماری ویب سائٹ کے لنک <http://esl.pk.com/download/ch14.pdf> پر کلک کیجیے یا کتاب کے مفت حصول کے لیے customer@esl.pk.com پر رابطہ کیجیے۔

Cummins Gas Generator provides lifeline to Dow University of Health & Sciences (DUHS), one of the most prominent Universities and Hospitals of Pakistan. This is in addition to its decade long presence in Aga Khan University Hospital and Shaukat Khanum Hospital Lahore....

ESL established Gas Power Plant at Dow University of Health Sciences (OJHA Campus) with the installation of 1160 kWatt Cummins Gas generator. The power plant is environment friendly and provides uninterrupted power supply to the university and hospital thus improving upon the healthcare services and facilitating professional education. The power plant was inaugurated by Governor of Sindh, Dr. Ishrat ul Ibad on January 20, 2016.

ESL-3S, Approach: Safety-Service-Sales, in the stated sequence

ESL considers safety vital in all facets of its business. It has a proper HSSE program in place which helps in propagating the safety culture within the Company, its employees, contractors and customers. Its 3S philosophy is spelled out in the following sequence with respect to their relative significance:

Safety

ESL believes that achieving heights of success is a pipedream unless safety is considered as an inevitable part of its operations. We will choose not to work in case safety of our people, customers, suppliers and community is compromised in any way.

Service

ESL strives to make Service its forte. Service, from our standpoint, encompasses all activities throughout the life cycle of our association with the customers (point of first contact till repeat business opportunities and beyond).

Sales

The strategies of ESL revolve around suggesting solutions to its customers, rather than merely selling the products. Our focus is more on helping a customer buy rather than selling.