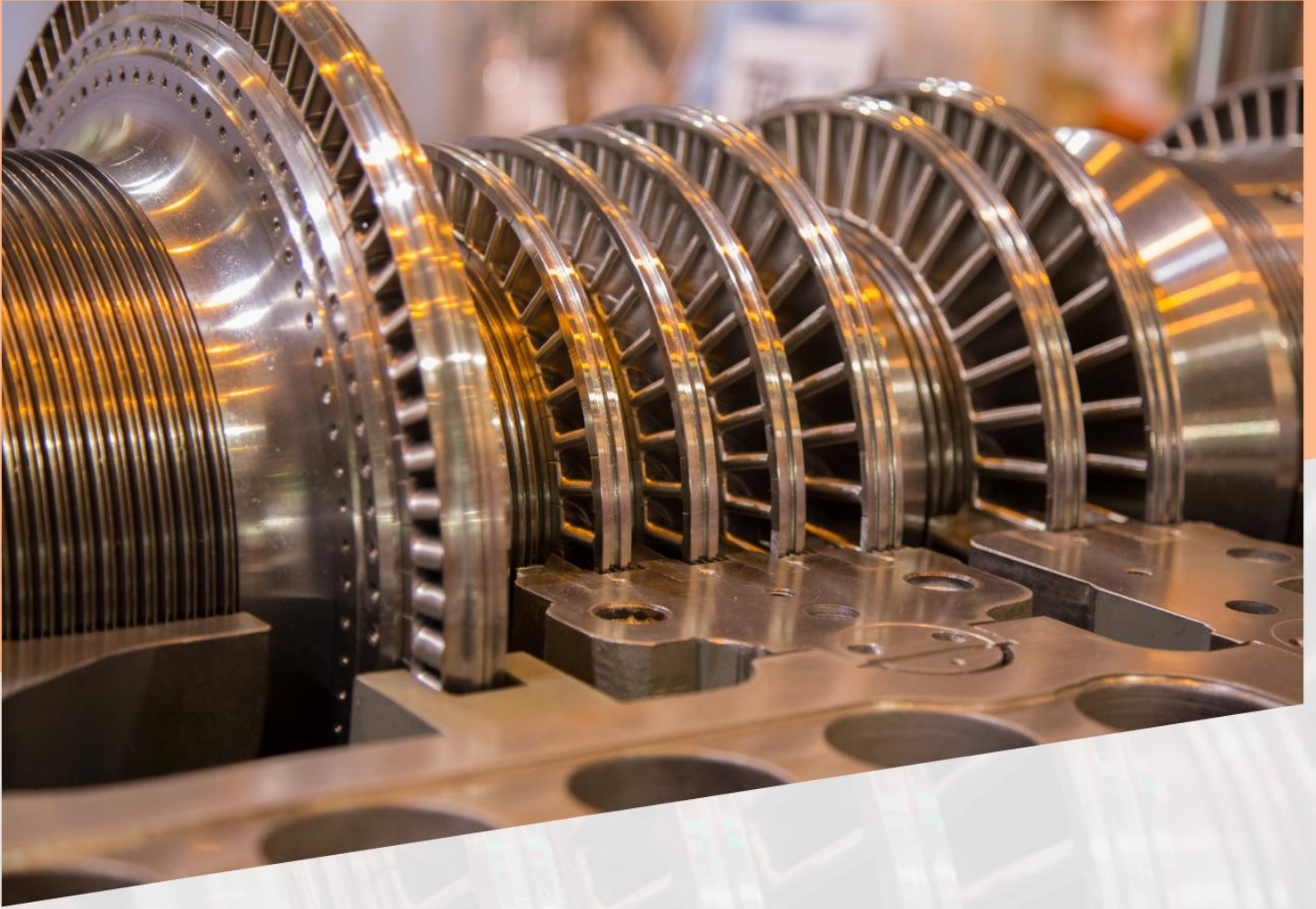




EK CORP



COMPANY PROFILE





Introduction:

EK Corp is an Indian engineering solutions provider dedicated to delivering reliable, efficient, and sustainable power and energy systems. We specialize in end-to-end support for industrial turbines, power plant components, and turnkey project services that align with global standards of quality and performance.

With a foundation built on innovation, engineering excellence, and client-centric execution, EK Corp connects Indian manufacturing capabilities to global demand in the energy and infrastructure sectors.



EK Corp is committed to energy transition goals by supporting the adoption of hybrid systems, hydrogen-compatible equipment, and clean power generation models. Our innovation roadmap includes:

- Supporting hydrogen-ready components.
- Reducing emissions in thermal systems.
- Promoting modular, scalable engineering systems.



Vision

To be a globally recognized engineering partner driving energy transformation through innovation and sustainable solutions.

Our Mission

To provide high-quality, precision-engineered solutions to power and energy sectors and promote Made-in-India capabilities on a global platform also uphold integrity, innovation, and long-term value in every project we undertake.

Our Strengths

End-to-End Engineering Expertise

Customized, Scalable Solutions

**High-Quality & Cost-Effective
Delivery**

**Agile & Responsive Project
Management**

Strong Technical Team

**Sustainability-Focused
Engineering**



Industries We Serve



Power Generation



Oil & Gas Equipment



Industrial Utilities & Processing Plants



Energy Transition & Sustainability Projects



EPC Contractors and OEMs



Nuclear/Metal & Minerals



Our Capabilities

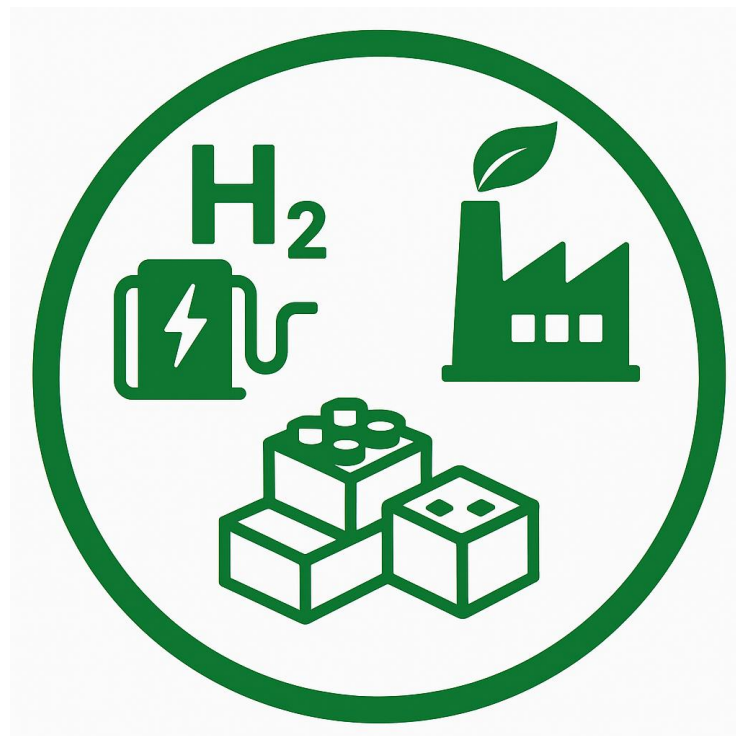
- Mechanical Design & Drafting (2D/3D)
- Thermal and Structural Analysis
- Turbine System Integration Support
- Vendor & Fabricator Network Across India
- ASME, ISO, and DIN Standards Compliance



Sustainability & Innovation

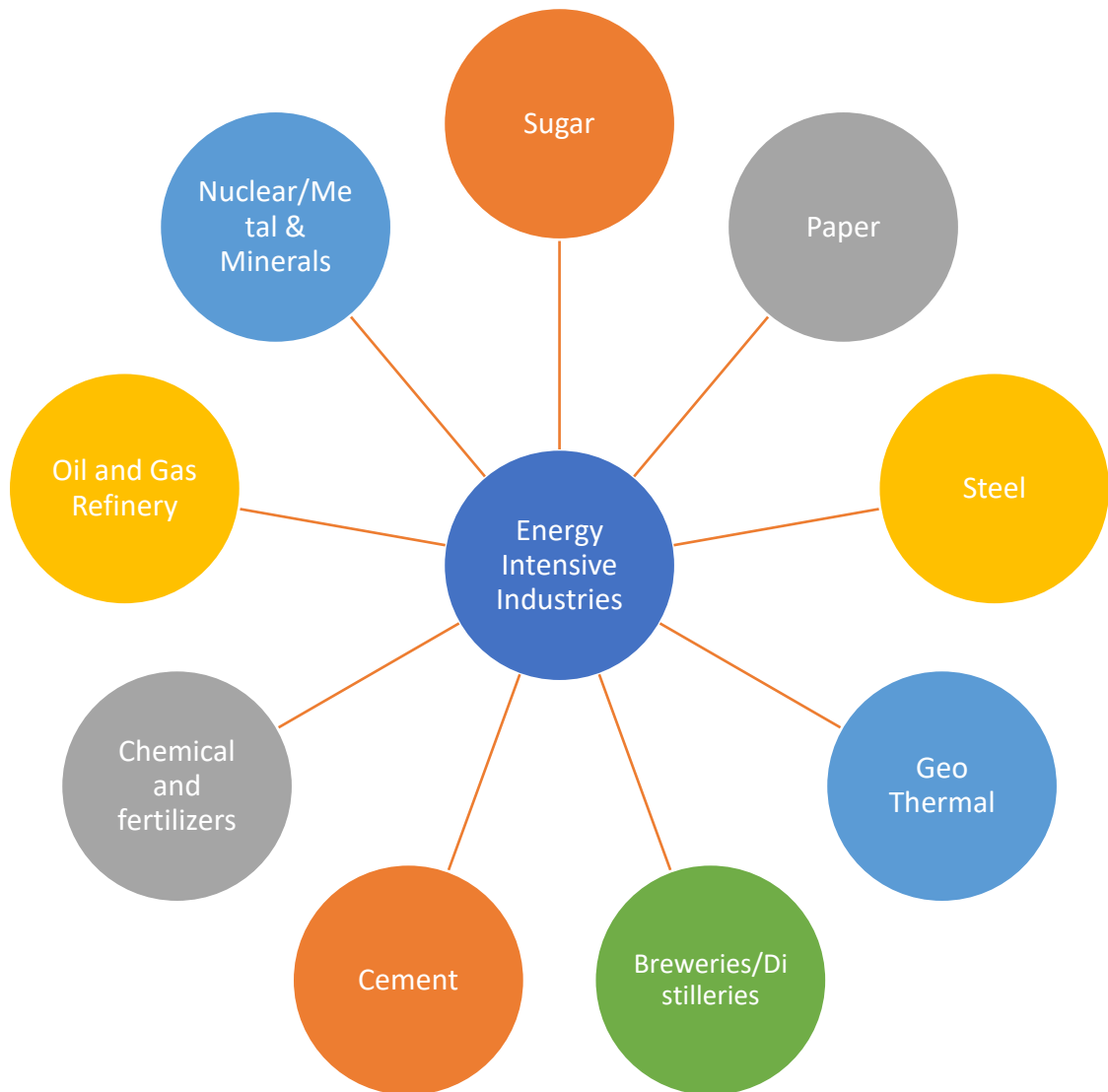
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Energy **intensive** industries





EK Corp Products Portfolio.

1. API Steam Turbines

EK Corp is among the few global players offering steam turbines fully compliant with **API standards**, including custom adaptations for **Shell** and **Petronas** specifications. These turbines are engineered for high reliability in oil & gas and petrochemical industries.



2. Back Pressure Steam Turbines

Available in single and multi-stage configurations from **5 kw to 330 mw**, these turbines double as pressure-reducing stations between boilers and process steam headers. Ideal for **industrial cogeneration** and **process steam applications**.



SINGLE STAGE TURBINES



MULTI STAGE TURBINES



3. Condensing Steam Turbines

Designed for high-efficiency power generation, these turbines expand high-pressure steam to **sub-atmospheric pressures** using precision-engineered blades. Offered in capacities from **5 kw** to **330 mw**, suitable for **utility and captive power plants**.



SINGLE STAGE TURBINES



MULTI STAGE TURBINES

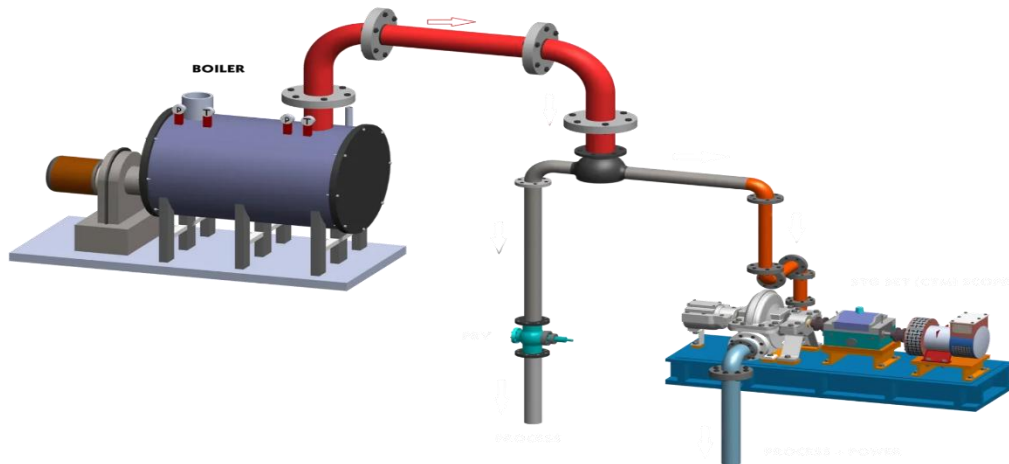
4. Extraction-Condensing Turbines

Dual-function turbines that **extract steam at controlled pressures** for process use, while the remaining steam continues to a condenser. Rated from **5 kw** to **330 mw**, ideal for **industrial plants** requiring flexible energy and steam management.



5. PRV/PRDS Replacement Solutions

EK Corp offers compact turbines (from 5 kw to 330mw) that replace traditional PRVs (Pressure Reducing Valves), enabling customers to **generate electricity** from process steam turning a loss into measurable power gain.



6. Forced Lubrication Systems (FLS)

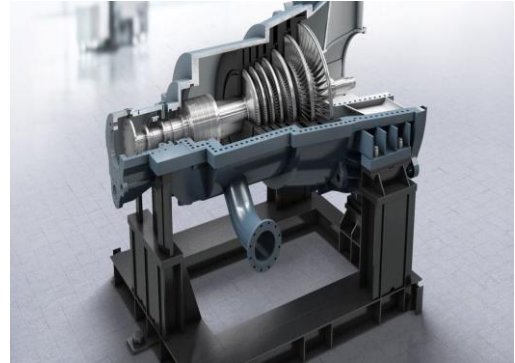
A **compact, integrated solution** for lubrication and control oil management, combining hydraulic fluid supply, conditioning unit, and centralized control into one unit. Suitable for seamless turbine operation and longevity.

















7. Geothermal Steam Turbines

EK Corp offers **geothermal steam turbines** specifically engineered for **low- to medium-enthalpy geothermal resources**. Designed to handle wet, corrosive, and variable steam conditions, these turbines are ideal for converting geothermal energy into clean, sustainable power.



Services We Offer

-  Installation & Start-up of New Steam Turbines
-  Turbine Spares and Servicing
-  Troubleshooting and Overhauling
-  Component Repairs and Remanufacturing Solutions
-  Re-engineering for Efficiency Enhancement
-  Refurbishing and Modification of Steam Path
-  Steam Turbine Up-gradation
-  Dismantling and Relocation Assistance
-  Governor Retrofitting Solutions
-  Annual Maintenance Contracts (AMC)
-  Expert Services During Erection & Commissioning
-  Reverse Engineering



Our Products

1) Boilers

At **EK Corp**, we engineer and deliver high-performance **boiler systems** tailored for modern industrial needs. Our product line spans a wide spectrum—from compact package boilers to robust power cogeneration systems—each designed to optimize energy use, reduce emissions, and ensure operational excellence.

a. Power Cogeneration Boilers

- Dual output: generates both electricity and steam
- Handles multiple fuels: Coal, Biomass, Waste Heat, etc.
- Capacity: 10 – 150 TPH | Pressure: up to 87 kg/cm²
- Suitable for large-scale industrial processes



b. Combo Package Type Boilers

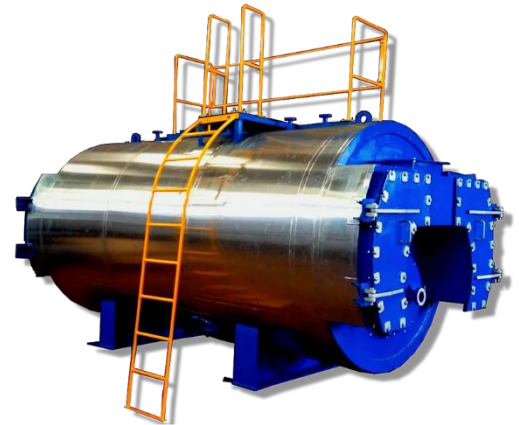
- Combines Fire-Tube and Water-Tube systems
- Compact design, ideal for medium industries
- Capacity: 2 – 12 TPH | Pressure: up to 21 kg/cm²
- Works with Coal, Wood, Oil, Gas & Biomass





c. Package Type Boilers

- Ready-to-use factory-assembled units
- Easy to install, transport & maintain.
- Capacity: 0.5 – 6 TPH | Pressure: up to 17.5 kg/cm²
- Best for small-to-mid industrial setups.



d. Gas Fired Boilers

- Clean & energy-efficient solution
- Quick startup, low emissions
- Ideal for industries focusing on green energy





2) Generators

At EK Corp, we provide a diverse range of power generation products tailored for industrial, institutional, and utility applications. Our solutions combine innovation, quality engineering, and global standards to deliver reliable, high-performance systems.

- a. Diesel Engine Generators
- b. Gas Engine Generators
- c. Gas Turbine Generators
- d. Steam Turbine Generators
- e. AC Generators (Brushless Type)
- f. AC Generators (Slip Ring Type)
- g. DC Generators
- h. Kirloskar Generators – CPCB IV+
- i. TDPS (Turbine Generator Solutions)
- j. BHEL Steam Turbines.





3) BHEL Gas Turbines

At EK Corp, we specialize in delivering high-efficiency Gas turbines ranging from 5 KW to 350 MW, engineered for reliable performance across various industrial and power generation sectors. Our turbines are designed to optimize energy conversion, reduce operational costs, and support both greenfield and brownfield installations. With robust build quality, cutting-edge technology, and flexible configurations, Our turbines are ideal for thermal power plants, refineries, sugar mills, paper industries, and cogeneration applications. Our commitment to quality, lifecycle support, and customized solutions ensures long-term value and dependable power output.



A gas turbine is a combustion engine at the heart of a power plant that can convert natural gas or other liquid fuels to mechanical energy. This energy then drives a generator that produces the electrical energy that moves along power lines to homes and businesses.



4) Motor Solutions

EK Corp provides a comprehensive range of **industrial, traction, synchronous, and energy-efficient motors**, engineered for diverse applications—from cement plants and locomotives to chemical factories and renewable systems. Our motors are known for durability, energy efficiency, and seamless integration into complex environments.

a. TDPS Motor Range

- Induction Motors
- Traction Motors
- Synchronous Motors



b. CG Global – Advanced Electric Motors

- High Voltage (HV) Motors
- Low Voltage (LV) Motors

3. Kirloskar – 3 Phase AC Induction Motors

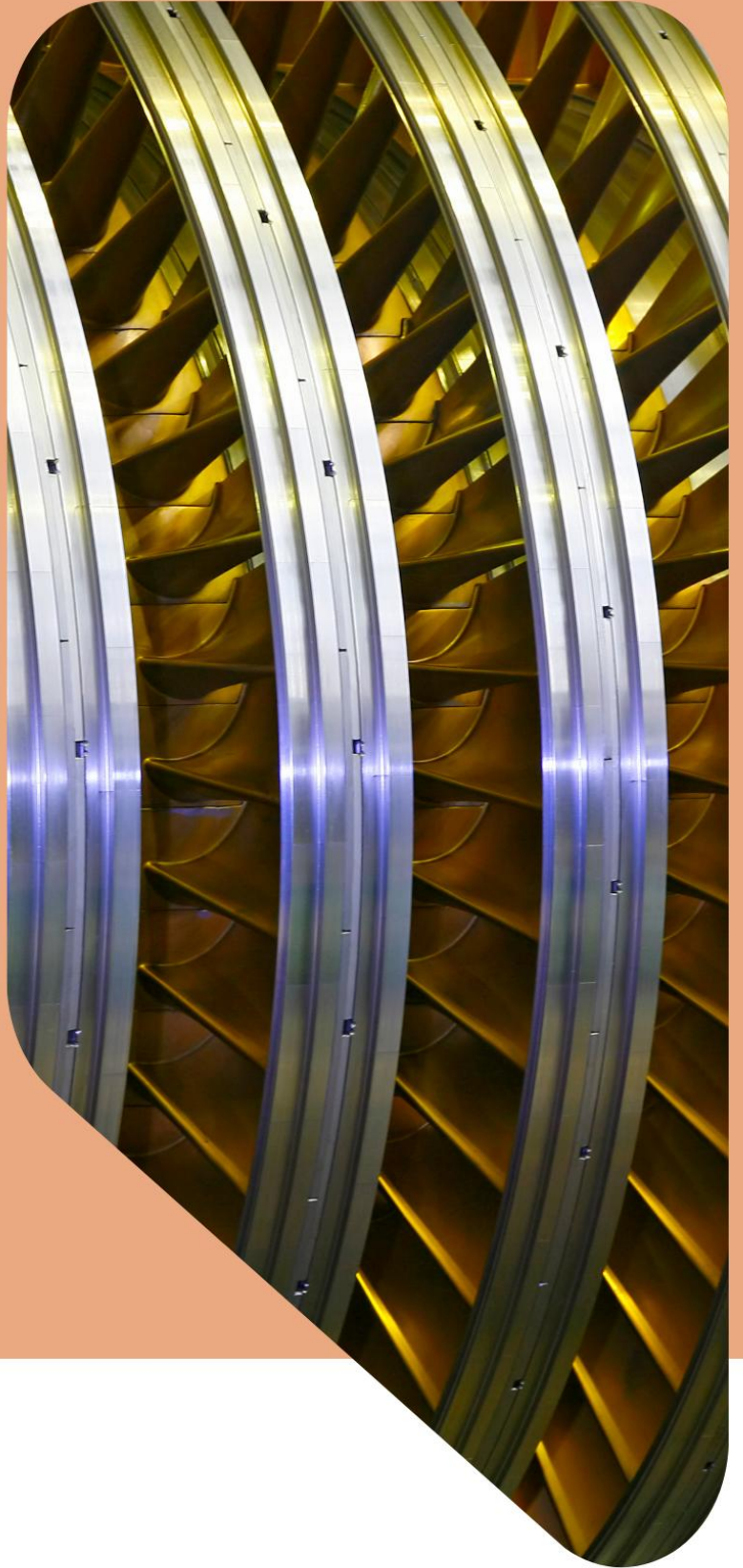
Trusted across industries for durability and compliance:

- **Range:** 0.55 kW to 315 kW
- **Efficiency Classes:** IE2 / IE3 / IE4
- **Poles:** 2, 4, and 6
- **Mountings:** B3 / B5 / B35 / V1
- **Protection:** IP55, IP56, IP65, IP66
- **Standards:** IS-12615 & IEC-60034, CE Approved
- **Cooling:** IC 411 – Totally Enclosed Fan Cooled
- **Special Option:** Double Shaft Extension Motors (up to Frame 180)





EK
CORP



CONTACT US TODAY

WE'RE HERE TO
HELP



Our team is ready to assist
with your needs.



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