



Job Description

Job Title	Senior Product Engineer – Chiller Products
Department	Engineering
Reporting Manager	Engineering Manager
Company	Dunham-Bush USA LLC
Location	Homestead, Florida
Date Updated	Nov 02, 2020

General Summary:

This Senior Product Engineer position for Chiller products is required to supervise and lead a team of Engineer in sustaining Engineering, new product design and development activities such as review and design of HVAC equipment, in meeting the application standards, customer/market requirements, and sound engineering principle, including ETO based products. He or she is responsible in ensuring Product Engineers under his/her care understand all the requirements and execute the product engineering duty and work in proper and timely manner.

Principal Responsibilities:

- Supervise, provide proper guidance and lead a team of Engineers.
- Oversee continuous improvement of existing products, sustaining engineering, design and development activities.
- Responsible to review factory order in complying with applicable standards, customer requirements and sound engineering principles.
- To communicate with other division such as Electrical & Control, Pressure Vessel, and other Departments to ensure smooth flow of fabrication work.
- To assist in resolving production technical issue encountered on products.
- Promote product quality, safety and performance.
- To lead on product certification and compliance process and activities, for AHRI and ETL certifications
- Responsible for the preparation of document required for the projects including Drawings, Purchased Part Specifications, Procedures, Bills of Material, Catalogues, Installation Manuals and other documents required for the design, and manufacture of the products
- Responsible for providing technical support to Sales/Marketing, Warranty Service, Quality Control & Production Departments, Associate Companies and Customer as needed, on engineering related matters and product quality feedback.
- Responsible for providing proposal for customer various requirement, do unit selection and give price add for special requirement, able to do technical parameter compliance.
- Assist Purchasing Department in sourcing components & raw materials, providing specifications and evaluating quality of vendors.



- Any other duties assigned by the Product Manager or as detailed in the Quality Documents.

Knowledge, Skill and Ability Requirements:

- Minimum 3 to 5 years relevant working experiences and industries preferably in Air-cooled, water-cooled, screw, scroll and centrifugal compressors product design, testing and manufacturing processes.
- Specialized knowledge of Screw comps application, centrifugal comps, vessels design including piping, components matching, condenser and evaporator design, oil management and safety code requirements will be added advantage
- Extensive knowledge of HVAC systems, applications and trouble shooting.
- Organization skills necessary to manage multiple assignments and priorities.
- Good written and verbal English communication skills and presentation skills.
- Possess strong management skills and ability to train others.
- Effective planning and control of multiple concurrent projects.
- Proficient in the use of Microsoft Outlook, Excel, PowerPoint and Words.
- Knowledge in engineering software such as Solidworks, Inventor, FEA, Visual Basic, AutoCad, would be added advantage.

Education Requirements:

- Candidates must possess at least a Bachelor's or Professional Degree in Mechanical Engineering.