TECHNICAL DATA – NxHEV110-A145

Specifications of Oil Injected – Two Stage Screw Air Compressor

Technical Data:

• Free Air Delivery	-	197-682 CFM
• Maximum Pressure	-	10.5 Bar
• Nominal Motor Power	-	110 KW
• Starter	-	Inbuilt VFD
• Electrical Connection	-	3Phase,400V +/-10%,50Hz +/-5%
• Sound Level	-	80 +/- 3 dB(A)
• Dimension	-	2980 x 1800 x 1805 mm
• Weight	-	4070 Kg

(Product image shown are representative and may not match exactly with the actual product)

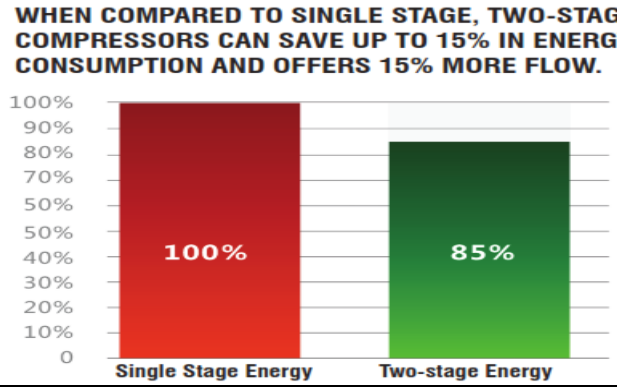
Compressor:

- Compare to single stage compressors, a two stage is much closer to isothermal compression.
- This is achieved by injection of fresh oil between the stages which reduces the inlet temperature of the second stage.
- This lower inlet temperature increases efficiency by reducing the compression ratio between the stages. In addition, leakage between the rotor seals is significantly reduced resulting in outstanding volumetric efficiency.

TECHNICAL DATA – NxHEV110-A145

Benefits of Two Stage compressor

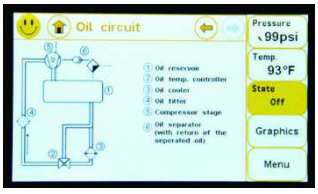
- Two-stage air compressors are closer to the ideal isothermal compression
- Reduced leakage increases volumetric efficiency
- Saves 10-15% of energy compared to single stage compressors
- Increases flow 10-15% compared to single stage compressors
- Lower pressure differential increases efficiency and reliability
- Low heat load
- Easy maintenance and service
- Lowest life-cycle cost of any compressor on the market



ICommand touch Controller

With the premium iCommand-Touch, a full-color screen displays graphs which capture and track factual, real-time air usage by the hour, day, week and month. Historical data can be retrieved at any time at the touch of the screen.

• Simple Touchscreen Control
• Intuitive Navigation
• Capture Real-time and Historical Data Trending



TECHNICAL DATA – NxHEV110-A145

Trending and Graphing Capabilities
Graph information can be conveniently downloaded to SD card for historical records, Trouble shooting and quality control measures.

One-Touch Status Review At A Glance:

Main Screen: Displays image of compressor with red dot indicator spotlighting issues in the system, which reduces time in trouble shooting.

Pressure: Continuously tracks pressure range by day, week and month. This allows quick identification of pressure variations that affect plant operations.

Temperature: Real-time monitoring and trending of critical oil temperature enable early identification of potential shutdown and downtime.

Air Quantity: Monitors cubic feet of air usage, pinpointing peak production or down times in your operation.

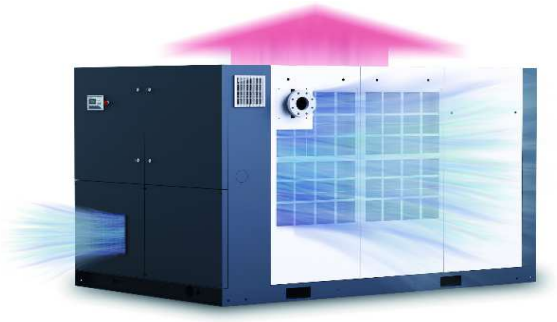
Usage: Tracks how long machine is on, off or in standby. This allows you to analyze usage factor in your plant based on the operation of your compressor.

Maintenance: Tracks and displays hours of usage of critical components—oil filter, inlet filter, air/oil separator and motor—and timetable for replacement and/or maintenance.

Air Circuit & Oil Circuit: Quick diagnosis of key component operation within the air and oil circuit

eCOOL Technology
A COOL INNOVATION

Compressors generate heat. FS-Curtis' exclusive eCOOL technology provides protection from heat and reduces thermal stress.
By combining smart compressor layout with intelligent component selection, eCOOL technology maximizes cooling airflow for greater energy efficiency, improved reliability and increases service life up to 50% longer for motors and electrical components and up to 30-50% longer for bearings, hoses and seals.



TECHNICAL DATA – NxHEV110-A145

Effectively integrated overall design

Designed for low cost of ownership, easy service & little down time

- Safe, efficient air filter system
- Independent bearing lubrication
- High efficiency, easy-to-maintain oil separator
- IE3 high efficiency motor
- End face sealed to prevent leakage
- Connections utilize O-ring face seals for leak--free performance
- Asbestos-free gaskets protect operator health

* Water cooled models are available, details on request.

* Variable speed models are available, details on request.

* Due to continuous engineering improvements, features are subject to change without prior notice.