HITACHI
Inspire the Next

S-energy®

Lubricated Rotary Screw Air Compressors

Constant Speed and Variable Speed Drives

30–45 kW | 40–60 hp

SULLAIR
10 YEARS
Diamond Warranty

SULLAIR

Hitachi Global Air Power

Legendary Sullair Products

Sullair compressed air solutions have been at the leading edge of rotary screw technology since 1965. The legacy continues as Hitachi Global Air Power—featuring the legendary Sullair product line.

COMPRESSED AIR SOLUTIONS DESIGNED FOR RELIABILITY & DURABILITY

RELIABILITY

Customers who work with Sullair compressors have found intangibles make all the difference—things like trust, confidence and peace of mind. They go to work every day having full faith in their equipment, as well as the knowledge they have access to true compressor experts ready to support them every step of the way.

DURABILITY

Bulletproof. Built to last. However you spin it, Sullair compressors are in it for the long haul, driven by the design of the legendary air end. All over the world, you'll find Sullair compressors that have stood the test of time, running consistently today as they did on day one.

The Hitachi Global Air Power network of engineering and quality experts continues to build next-generation, environment-forward compressed air solutions to meet the demands of today's hard-working customers.

S-energy®

Sullair S-energy® air compressors feature the robust, globally recognized air end with the highly efficient asymmetric profile and tapered roller bearings — backed by the Sullair comprehensive 10-year Diamond Warranty.

S-energy 40-60 hp compressors include:

- 3G enclosure design with lift-off panels for easy maintenance
- Improved air/oil separator design
- Oversized oil/aftercooler with higher cooling capacities (46°C/115°F)
- Efficient centrifugal fan and housing
- 7˝ Sullair Touch Screen Controller (STS): Provides easy access to all key compressor performance parameters
- Easy access oil sampling valve
- Factory filled with Genuine Sullube®

S-energy compressors can significantly reduce operating and energy costs over the entire compressor life cycle:

- Proven air end with the low-restriction inlet valve
- Premium efficient drive motor design
- Low-pressure-drop air-fluid separation system to prevent energy loss

Sullair delivers cost savings for the life of the product. Improved air filtration translates into:

- Extended separator life
- Improved fluid filter life
- Less lubricant contamination

The SULLAIR® Advantage

RELIABLE PERFORMANCE HELPS ENSURE MAXIMUM UPTIME — AND MAXIMUM CONFIDENCE.

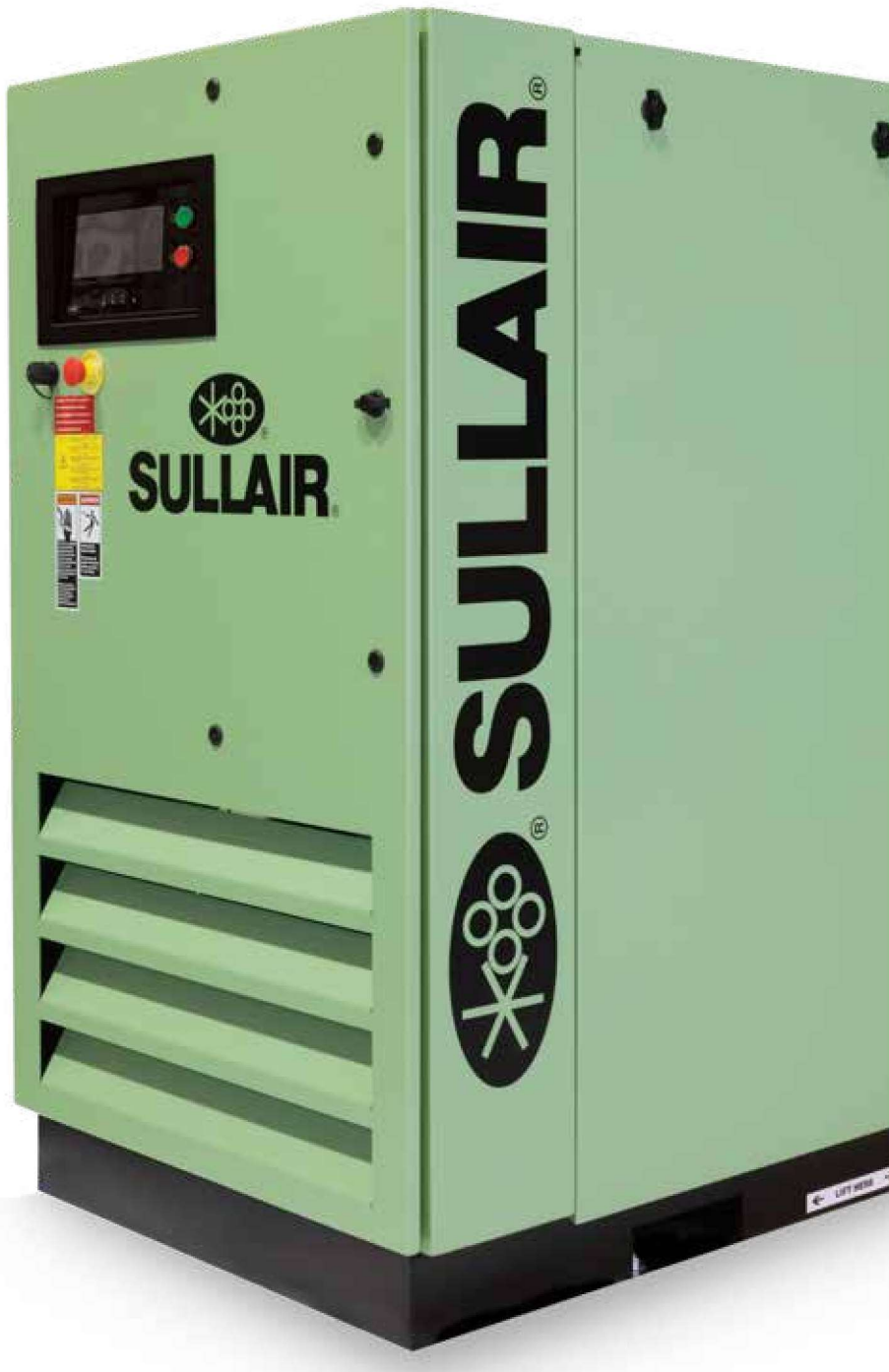
SULLAIR DURABILITY
The legendary Sullair air end is built to last.

EFFICIENCY
S-energy compressors are designed for high performance and lower energy usage.

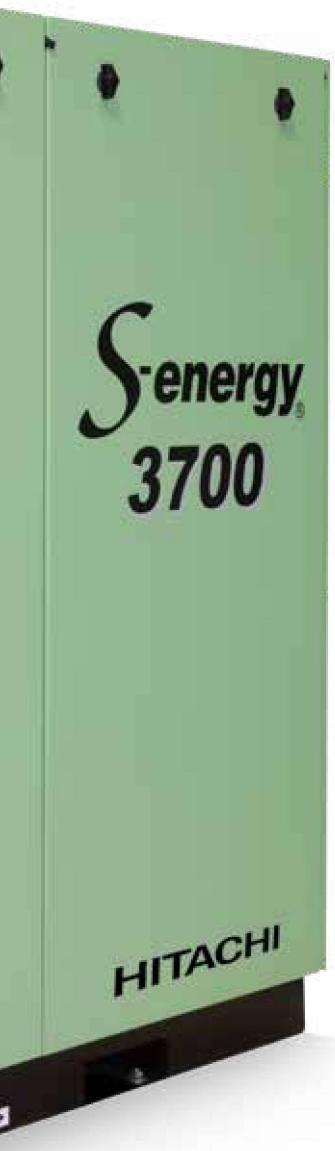
SERVICEABILITY
The S-energy package has been designed to help make service quick and easy.

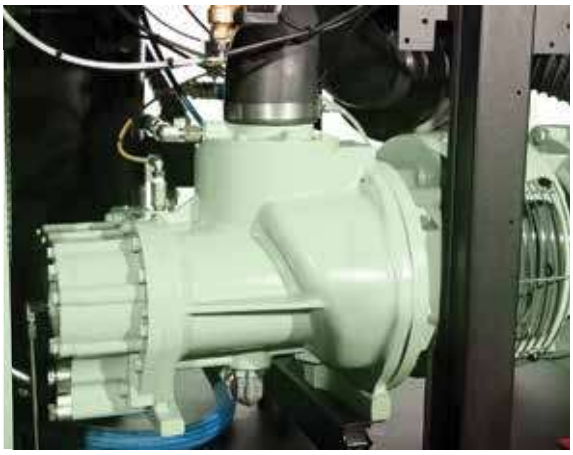
STANDARD FEATURES

- Legendary air end
- Low-restriction inlet valve
- Low carryover air/oil separator design
- High-efficiency drive and fan motor
- Integral compressor sequencing
- NEMA 4 Wye-Delta starter cabinet
- TEFC Motor
- 7˝ Sullair Touch Screen Controller (STS)
- Compact footprint
- Genuine Sullube® non-varnishing, biodegradable compressor fluid
- OptimalAir® air filter providing 10 times better filtration than other filters
- AirLinx® remote monitoring ready*
    - Easy-to-enable remote monitoring of key compressor operation parameters, warnings and alarms to help maximize uptime and efficiency



Learn more about AirLinx





QUIET DESIGN

- Air end, motor, and receiver tank mounted on rubber isolators
- Insulated intake and exhaust louvers
- Low-noise fan

OPTIONS

- Choice of air- or water-cooled
- Cold-weather package
- Weather hood
- EES® heat recovery system
- VSD starter
- Magnetic air inlet filters (standard on VSD)
- High ambient package (55°C, 131°F)
- PristineFG™ food-grade compressor fluid
- Oil containment pan (ships loose)

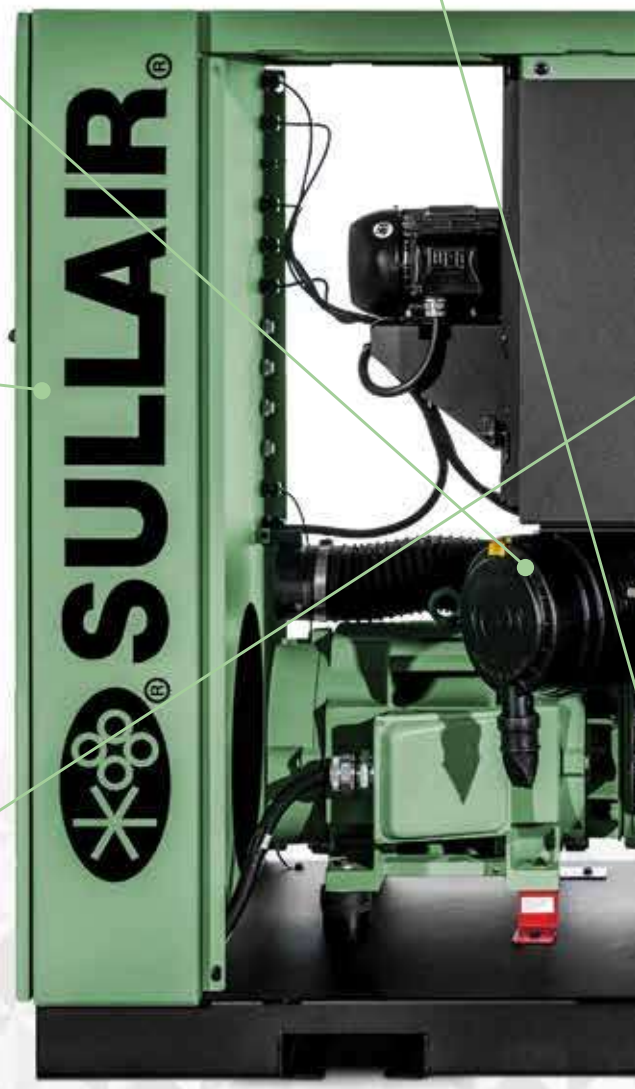
S-energy® 40-60 hp Compressors

SULLAIR OPTIMALAIR® AIR FILTER

- Provides industry's finest inlet filtration
- Keeps fluid clean and extends internal component life
- Reduced pressure drop during operating life results in energy savings
- 99.95%+ overall efficiency/0.4 micron

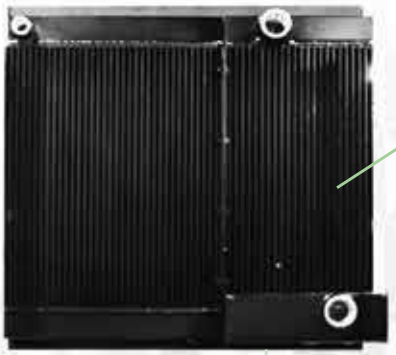
VARIABLE SPEED DRIVE

- Robust, reliable and compact
- Maximum efficiency
- Operating consistency



AFTERCOOLER/ OIL COOLER

- Oversized two-piece design helps eliminate thermal shock
- Integrated moisture separator
- Rated at 46°C/115°F



3700VB MO

DRIVE COUPLING ELEMENT

- Easy access allows change without disturbing hubs
- Designed for air end/motor protection

LEGENDARY SULLAIR AIR END

- Asymmetrical rotors made in the USA
- Durable
- Proven bearing design
- Backed by 10-year Diamond Warranty

SULLAIR OPTIMIZER™ AIR-FLUID SEPARATOR

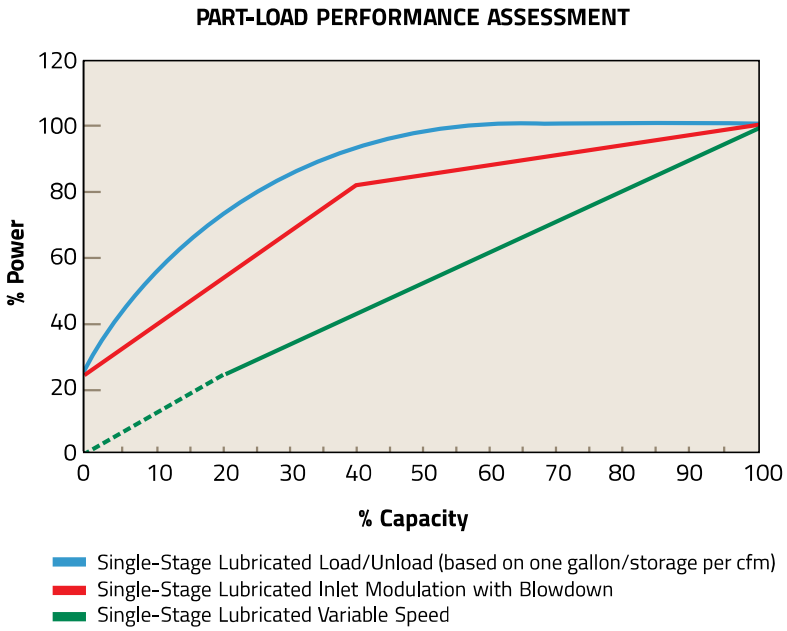
- High-efficiency media
- Low pressure drop for reduced power consumption
- Less than 1.5 ppm carryover to reduce make-up fluid

OIL SAMPLING VALVE

- Easy push button, metered valve allows for sampling while machine is in operation
- Simplifies maintaining your Diamond Warranty

DEL SHOWN

Air Compressors with VSD



Reference: Compressed Air and Gas Handbook, 6th Edition, pages 221-224.

The chart above is a representation of nominal control systems for generic comparative purposes. A detailed and accurate comparison of specific compressor models is available from your authorized distributor.

FOR MAXIMUM ENERGY EFFICIENCY AND OPERATING CONSISTENCY

Sullair Compressors with VSD Provide:

- Excellent energy savings
- Relief from potential peak demand charges
- Possible utility company rebates
- Stable system pressure
- Consistent product quality
- Reduced system air leaks
- Reduced storage requirements
- Flexibility for future growth
- Lowest life-cycle cost
- DC link choke

YOUR COMPRESSED AIR SYSTEM CAN IMPROVE YOUR BOTTOM LINE:

35% energy savings in the first five years

In just five years, the electrical power cost to operate a standard compressor can be more than six times greater than its purchase price.

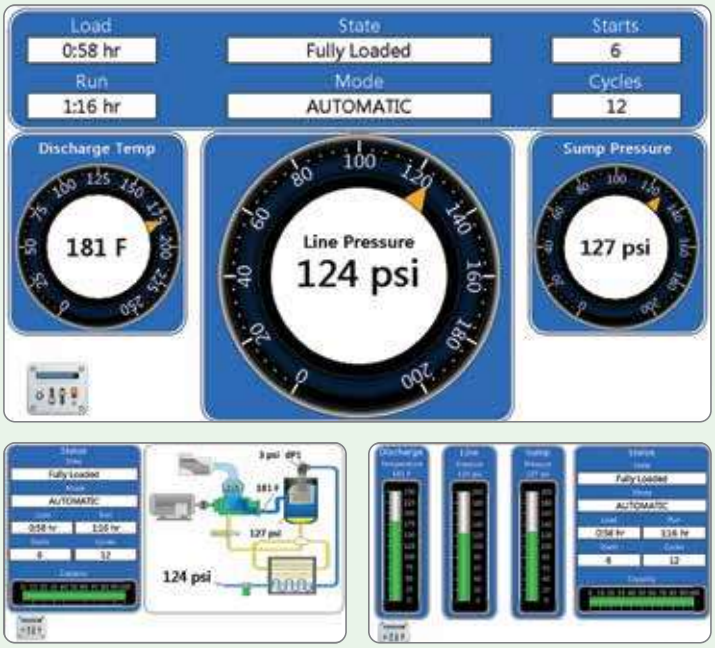
Total compressor flexibility

Sullair VSD compressors provide flexibility to vary both capacity and pressure. This allows you to "grow" your air system without adding more compressors.

Soft start is standard with unlimited starts and stops

- No need for Wye-Delta and other soft starters
- No need to control the number of hot or cold starts
- Unlimited starts and stops save electrical costs
- Avoids high electrical current at start-up

7″ Sullair Touch Screen Controller



ULTIMATE IN USER CONTROL

The Sullair Touch Screen (STS) Controller utilizes a large 7″ color screen for easy viewing in any lighting condition.

Menu-driven screens provide easy access to all compressor controls:

- Support for sequencing up to 16 compressors
- More communication capabilities: Ethernet, ModBus RTU and ModBus TCP, Cellular (AirLinx® service)
- Remote access capability via VNC (Virtual Network Computing) protocol
- Start/Stop scheduling with pressure control
- NEMA 4 environmental protection
- Discreet Start and Stop buttons
- Bright operating status LEDs even when display is dimmed
- Expandable I/O for additional sensor monitoring and output control
- Supports power monitoring
- Trend graphing of operational parameters
- Most controller functions and adjustments via protected controller submenus
- New data download capabilities

Your Diamond Decade Starts Today

SULLAIR 10-YEAR DIAMOND WARRANTY

The Sullair 10-Year Diamond Warranty provides comprehensive protection for Sullair lubricated rotary screw air compressors. This program distinguishes itself by covering all major components for new air compressors (with discharge pressures up to 150 psi):

10 Years Coverage:
Sullair Air End

5 Years Coverage:

- Main motor
- Fan motor
- Aftercooler
- Oil cooler
- Separator vessel
- Variable speed drive (if equipped)

Maintaining the Sullair 10-Year Diamond Warranty requires using Genuine Sullair parts, Sullube®, and participation in the oil sampling program. Restrictions apply.

To reduce fluid disposal costs,

S-energy® compressors are factory-filled with biodegradable Genuine Sullube® fluid.

- Protects and cleans (no varnish)
- Controls operating temperatures
- Optimal viscosity
- Environmentally friendly
- Reduces fluid loss
- High flash point (505˚F/263˚C)

GENUINE SULLUBE®

Stationary Air Power Systems

With our expertise in analyzing, managing and controlling compressed air, Hitachi Global Air Power offers total compressed air solutions to help you reduce energy costs and improve productivity.

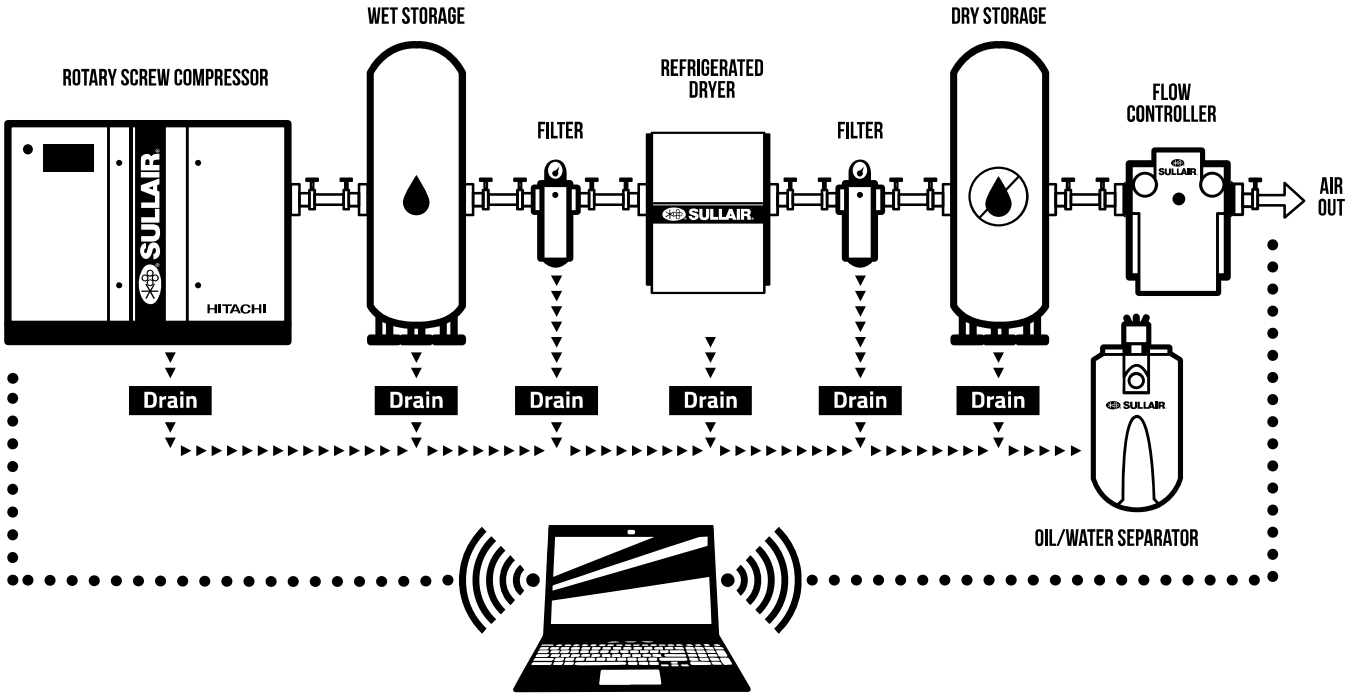
- Plant air audits
- Energy-efficient products
- Compressed air system controls
- Equipment to monitor and manage air systems
- Air distribution products
- After-purchase support

Plus, a full line of premium OEM parts and lubricants to help keep your compressors running optimally.

Each component of the system is carefully matched for capacity and pressure to help provide reliable performance and energy efficiency.

60HZ MOTOR FREQUENCY			FULL LOAD CAPACITIES						
Model	Motor hp	Motor kW	100 psi cfm	7 bar m^3/min	125 psi cfm	9 bar m^3/min	150 psi cfm	10 bar m^3/min	175 psi cfm
3000PB	40	30	200	5.66	183	5.18	166	4.70	-
3000PVB	40	30	200	5.66	180	5.10	163	4.62	-
3700B	50	37	251	7.11	227	6.43	197	5.58	180
3700VB	50	37	249	7.05	225	6.37	202	5.72	183
4500B	60	45	-	-	269	7.62	248	7.03	221
4500VB	60	45	-	-	260	7.36	238	6.74	222

Example Stationary Air Power System Configuration



	WEIGHT (ODP)		DISCHARGE CONNECTION	DIMENSIONS			SOUND LEVEL
12 bar m^3/min	lbs	kg	inches	L in (mm)	W in (mm)	H in (mm)	dBA
-	2055	932	1-1/2" NPT	67 (1712)	35 (108)	62 (1564)	68-71
-	1996	916	1-1/2" NPT				
5.10	2080	943	1-1/2" NPT				
5.18	2030	921	1-1/2" NPT				
6.26	2366	1073	1-1/2" NPT				
6.29	2343	1063	1-1/2" NPT				

Learn more about S-energy®

CONTACT YOUR AUTHORIZED SULLAIR® DISTRIBUTOR TODAY

Hitachi Global Air Power US, LLC

HitachiGlobalAirPower.com/Industrial

©2024 Hitachi Global Air Power US, LLC. All rights reserved. Specifications including appearance subject to change without notice. SAPSEN4060202409-10
The Sullair symbol, Sullair wordmark, AirLinx, ESS, S-energy, Optimalair, and Sullube are registered trademarks of Hitachi Global Air Power US, LLC.
PristineFG and Optimizer are trademarks of Hitachi Global Air Power US, LLC.