

“Eliminates unnecessary energy usage, reduces power costs and saves you money”

Curtis **AUTOMATIC FLOW** Rotary Screw Compressors automatically match compressor output air flow to exact system demand by varying electric motor speed. The compressor produces only the air necessary to meet your requirement.

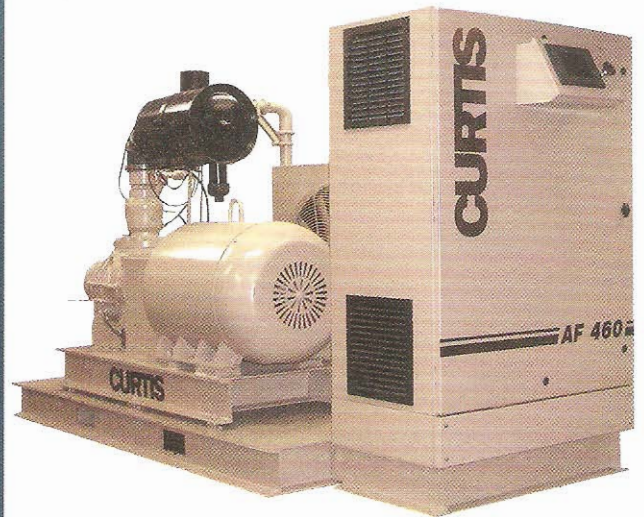
Our precise pressure control feature maintains steady system pressure while air flow adjusts to system demand allowing for maximum pay-back on your investment.

You pay for the exact amount of energy required to operate your air system and not a penny more.



CURTIS

*Built with the Latest Technology
and on a Strong Tradition*



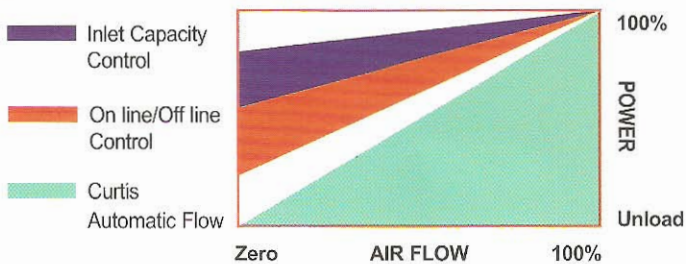
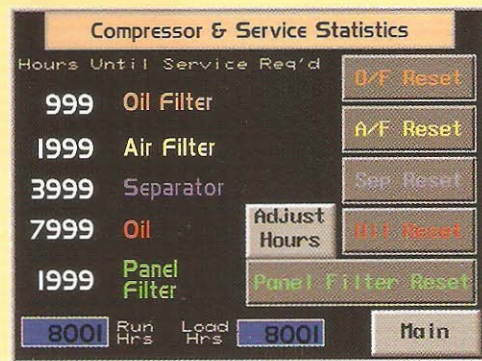
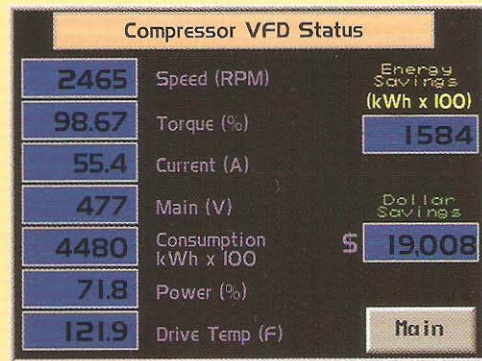
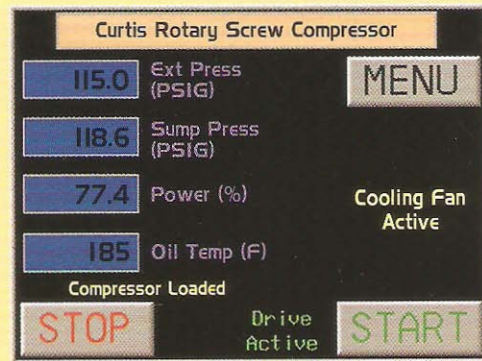
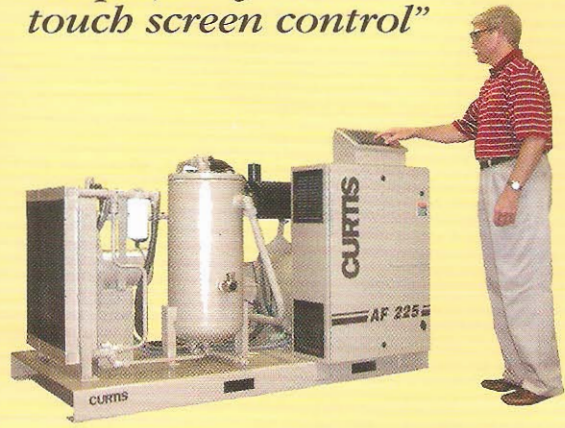
AF SERIES
Automatic Flow
Rotary Screw
Air Compressors
36-760 CFM

Color Touch Screen Control

Advanced, simple to use high resolution color touch screen control monitors the parameters and working conditions of the compressor and allows for precise control of all operational functions. Screen displays include the following:

- Comprehensive operational data display
 - Motor speed
 - Motor torque
 - Drive temperature
 - Current
 - Voltage
 - kW/hour
 - Calculates percentage of power being used
 - Calculates accumulative energy savings
- System pressure
- Separator pressure
- Operating temperature
- Hour Meters
- Service/Maintenance advisories
 - Air intake filter change
 - Oil filter change
 - Oil change
 - Separator element change
 - Panel filter change
- Fault shutdown alarms
 - High pressure
 - High differential pressure
 - High temperature
 - Motor overload
 - Motor phase loss
 - High or low voltage
 - Blocked air intake filter
 - Emergency stop
- Fault shutdown history display
 - Records fault description
 - Records time and date
 - Records time of corrective procedure
 - Displays corrective procedure taken
- Compressor status display
 - Compressor in running mode
 - Compressor in standby mode
 - Compressor in load or blow down mode
- Additional capabilities
 - Automatic restart after power interruption
 - Remote control (optional remote station required)
 - Lead-lag control (optional timer required)

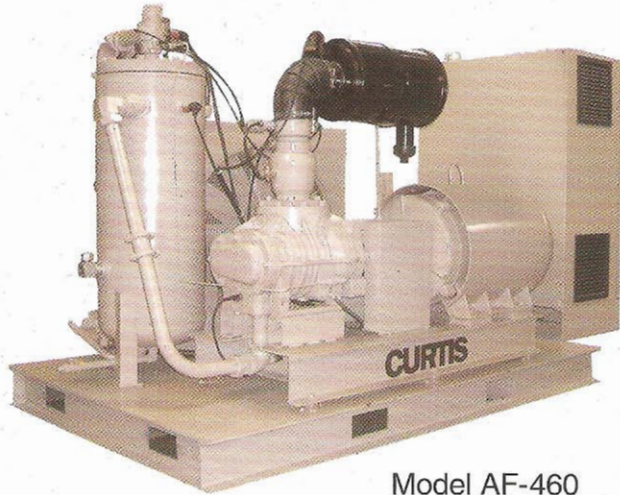
"Simple, easy-to-use touch screen control"



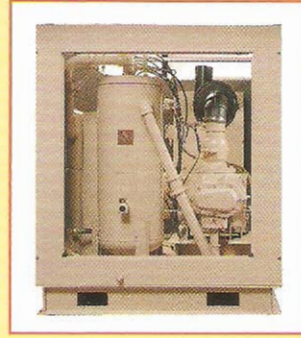
Energy Savings

Curtis **AUTOMATIC FLOW** compressors offer you reduced energy consumption when compressor is operating at less than 100% capacity. Any decrease in system air demand corresponds to a direct, linear percentage decrease in power consumption. Unnecessary energy usage from other forms of compressor control is eliminated resulting in major pay back potential on your investment. At zero air flow, adjustable "sleep mode" timer turns unit off for additional energy savings.

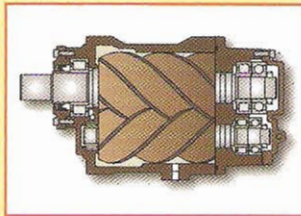
Curtis *AUTOMATIC FLOW* Rotary Screw Compressors



Model AF-460

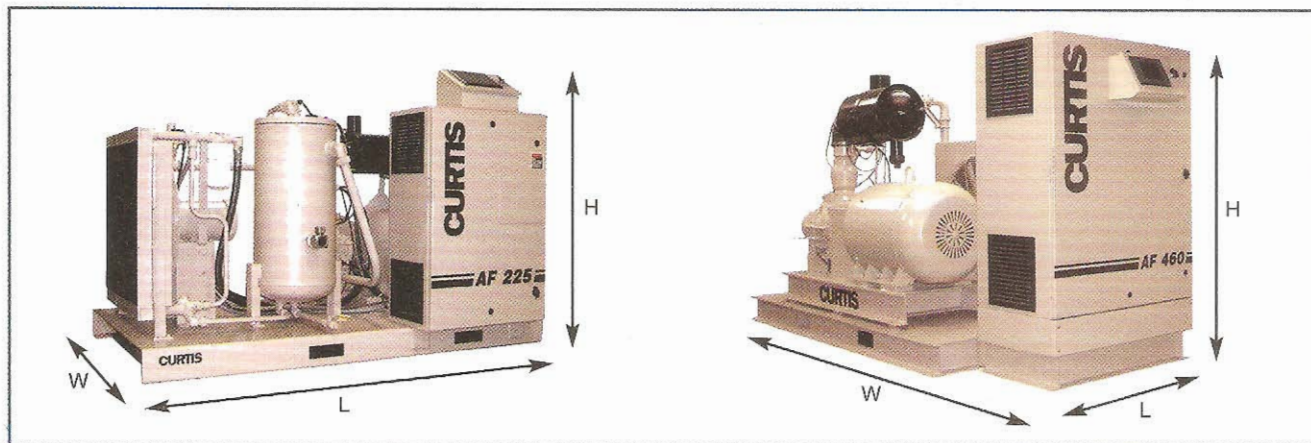


Optional high quality acoustical enclosure features removable lids and side panels to allow easy access for all routine maintenance items.



Curtis air-ends are manufactured to ISO 9001 standards.

Features	Benefits
Energy saving automatic speed drive	Reduces energy usage by allowing the motor and compressor to run at the precise speed and operating pressure necessary to meet plant air requirements
Wide range of air delivery	Operates your plant at full or partial capacity for maximum energy savings during varying system load demands
Precise pressure control	Maintains steady system pressure while air flow adjusts to demand
Direct torque control	Maintains steady, consistent torque throughout the speed range for smooth operation
Sleep mode	For additional energy savings when system demand drops, compressor will automatically time out and shutdown until signaled to restart upon air demand
Automatic restart	Compressor can be set to automatically restart after system power interruption
Advanced air-end design	Our high performance air-ends are built with large oversize bearings for more than twice the needed thrust loading and our unique rotor profile, with its high precision finish, offers you the shortest possible sealing line to minimize internal losses for maximum air output
Color touch screen control	Controls and monitors all compressor functions in one easy to read and simple to operate display
TEFC main drive and fan motors	Heavy duty "off the shelf" automatic speed design for cool operation
Soft start motor control	Increases motor life while greatly reducing energy consumption during start up
UL and CUL listed panel	Complies with these US and Canadian electrical requirements
Leak free design	Using minimal components along with SAE o-ring fittings Curtis units are designed to eliminate leaks
Easy to maintain	All service points are easily accessible for routine maintenance



Specifications

Series Number	AF-225	AF-250	AF-370	AF-460	AF-760
Maximum Horsepower	50HP	50HP	75HP	100HP	150HP
Kilowatts	37KW	37KW	56KW	75KW	112KW
Delivery@ 100psi	49-225 CFM	92-250 CFM	93-370 CFM	191-460 CFM	199-760 CFM
Delivery@ 125psi	47-212 CFM	90-222 CFM	90-329 CFM	187-454 CFM	195-712 CFM
Delivery@ 150psi	40-186 CFM	88-195 CFM	88-305 CFM	88-371 CFM	192-591 CFM
Delivery@ 175psi	36-172 CFM	85-171 CFM	85-277 CFM	85-217 CFM	188-702 CFM
Weight Open	1950 lbs.	2100 lbs.	2900 lbs.	3150 lbs.	5450 lbs.
Weight Enclosed	2150 lbs.	2300 lbs.	3340 lbs.	3600 lbs.	6250 lbs.
Length	72"	72"	54"	54"	66"
Width	48"	48"	114"	114"	114"
Height	50"	50"	60"	60"	72"
NPT Outlet	1 1/4"	1 1/4"	2"	2"	2"

Standard Equipment

Air-end manufactured to ISO 9001 standards
 Heavy duty TEFC speed adjustable motors
 Motor-compressor drive guard
 Hour meters
 Heavy duty intake filter
 Heavy duty oil filter with bypass
 Side-by-side air/oil cooler
 ASME/CRN rated separator tank
 ASME separator tank safety valve
 Multi-stage air/oil separator element
 Oil level sight glass
 Minimum pressure valve
 Factory fill synthetic oil

Automatic speed control, main and fan motors
 NEMA 12 control panel with IP54 filter fans
 High resolution color touch screen control
 Accumulative energy savings calculation display
 Comprehensive operational data display
 Service advisory and diagnostic display
 Fault history display
 Timed shutdown with sleep mode
 Automatic restart
 Dual high temperature shutdown protection
 Convenient main frame handling slots
 Remote control capable (optional remote station required)
 Lead/Lag control capable (optional timer required)

No part of this flyer may be reproduced or processed in any form or means, electronic or retrieval systems, without written permission from Curtis-Toledo, Inc.

CURTIS

1905 Kienlen Avenue • St. Louis, Missouri 63133
 Website: www.curtistoledo.com • E-mail: curtiscomp@aol.com

Copyright 2004 Curtis-Toledo Inc. Form No. CAF0604



PROMINSER S.A.C.

CALLE MONSERRATE N° 190
 URB. LAS GARDENIAS - SURCO
 LIMA - PERU
 TELF.: 279-2846
 FAX.: 279-2847

AF Series