



The Science of Compressed Air

Quincy QSF



QUINCY QSF SERIES
ROTARY SCREW
AIR COMPRESSOR
50-200 HP

Quincy QSF

LONG RUN ADVANTAGE

The Quincy QSF is built for the long run. Everything from our superior machining capability, to our precision quality control measurement techniques and our state-of-the-art rotor profile ensures Quincy reliability. Our optional five- and ten-year warranties are just one measure of our confidence.

Time tested tapered roller bearings support each rotor on the discharge end with cylindrical roller bearings on the inlet end – giving the Quincy QSF a 100,000 plus hour life expectancy. Plus, the Quincy QSF has a triple lip seal on the drive shaft that prevents fluid from escaping the airend and an internal scavenge between the seals that carries any migrating fluid back to the airend. This redundant seal system adds up to lower maintenance costs and years of performance.

SOUND INVESTMENT

The Quincy QSF employs standard drive motors with a NEMA C-face mount for permanent alignment of the drive coupling. When combined with the Quincy QSF optional enclosure, sound levels can be as low as 74dBA. Hinged enclosure panels allow for convenient maintenance and easy access to service components.

ENHANCED CAPABILITIES

When it comes to accommodating even the most demanding conditions, the Quincy QSF is second to none. Operating temperatures in compressor rooms are usually hot. This is why we designed the Quincy QSF with oversized fluid coolers and aftercoolers – allowing the enclosed Quincy QSF to operate efficiently in ambient temperatures as high as 118°F.

The Quincy QSF includes a heavy-duty inlet filter that prevents particles as small as three microns from contaminating the air and fluid system. This means less maintenance and longer compressor service life.

If heating costs are a concern, over 92% of the BTUs generated from the Quincy QSF are recoverable in the form of heated discharge air across the coolers. The Quincy QSF is easily adaptable to heat recovery ducting, providing an energy saving heat alternative during the winter months.

QuinSyn-Plus® fluid
rated for 8,000 hours
of operation.



Quincy Fluid Filter has
a 12 micron rating.

PROVEN DEPENDABILITY

The Quincy QSF manages compressor capacity to match system demand through electronic control. Standard control is modulation with unload capability to reduce horsepower when demand decreases.

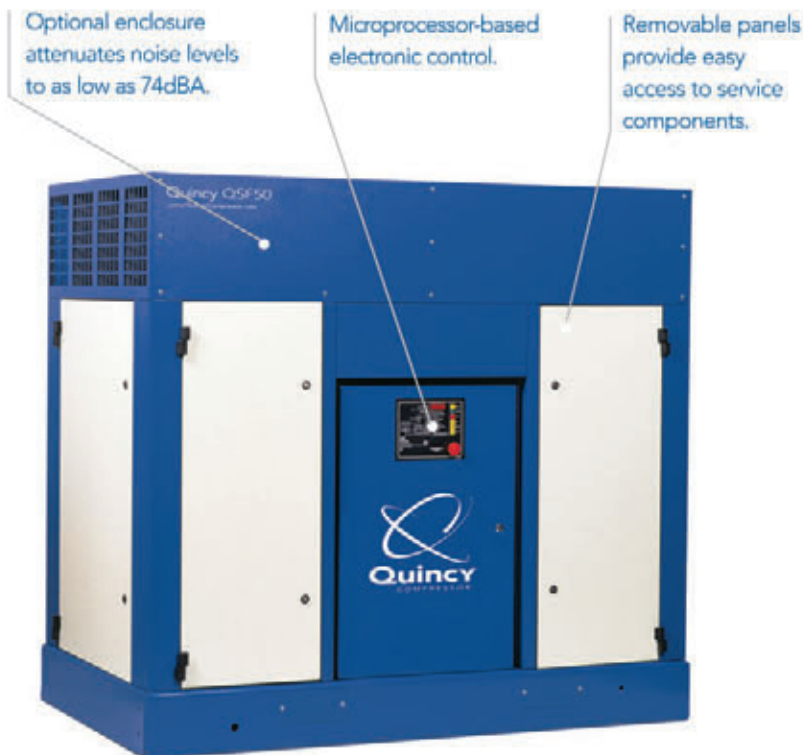
The Quincy QSF can also operate in load/no-load and auto/dual mode (timed shutdown), ensuring maximum load flexibility while offering overall energy efficiency.

The Quincy QSF electronic control panel displays the following information:

- Running hour meter
- Fluid service countdown hour meter
- Fluid filter countdown hour meter
- Air/fluid separator countdown hour meter and service display
- Discharge pressure display
- Auto/Dual control with shutdown timer and programmed shutdown
- Emergency stop button
- Operating condition warnings and shutdowns

Also working to minimize energy costs, the Quincy QSF is available with Wye-Delta reduced voltage starters. Wye-Delta starting gives a cushioned mechanical start

and reduces inrush current by 66%, minimizing electrical loading and power costs when peak demand charges apply. Wye-Delta starters are available on all QSF models.



- Full, two-year airend warranty with 5- and 10-year airend warranties available
- Oversized coolers allow operation in ambient temperatures as high as 118°F
- Aftercooler approach temperature of 15°F or less
- 99.9% efficient moisture separator and trap
- QuinSyn-Plus® fluid rated for 8,000 hours of operation
- Quincy fluid filter has a 12 micron rating.



Standard heavy-duty three micron inlet filter.

Oversized coolers allow operation in ambient temperatures as high as 118°F.

Aftercooler approach temperature of 15°F or less.

Vertical draft coolers for heat recovery.

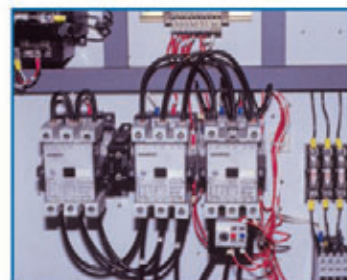


Microprocessor-based electronic control efficiently manages compressor supply to match system demand.



Full, two-year airend warranty with optional five- and ten-year airend warranties available.

Wye-Delta reduced voltage starters are available.



STANDARD QUALITY FEATURES DELIVER VALUABLE BENEFITS

- Industrial Fluid-Flooded, Single-Stage, Rotary Screw Air Compressor featuring:
 - Asymmetrical rotor profile
 - Duplex discharge bearings (50-60 hp)
 - Triplex discharge bearings (75-200 hp)
 - Triple-lip shaft seal system
 - Flange connected motor and airend
- 460/575 Volts @ 60 hz
1,800 rpm C-faced 1.15 SF motor
- 380/415 Volts @ 50 hz
1,500 rpm C-faced 1.15 SF motor
- Main motor starter, mounted and wired
- Flexible drive coupling with enclosed guard
- Heavy-duty steel base frame
- Heavy-duty inlet filter
- Full flow fluid filter
- QuinSyn-Plus® long life synthetic compressor fluid
- Quincy electronic compressor controller
- Aftercoolers with moisture separator/trap
- Air discharge check valve

PROTECTIVE DEVICES

- Power status display
- Emergency stop button
- UL approved control center and electrics
- Dual probe high temperature monitoring and shutdown
- Mounted pressure relief valve
- Safety fluid fill cap
- Control air line filter
- High-pressure shutdown

COMPRESSOR CONTROLS

- Quincy electronic control panel
 - Complete shut-down annunciation
 - System graphics with maintenance indicating LEDs
 - Separator element, fluid and air filter high pressure differential indicator
 - Filter maintenance hour meters
 - Run and loaded hour meters
 - Continuous monitoring and display of discharge pressure
- Modulating inlet valve with auto-dual control

Quincy QSF Technical Data	Capacity cfm (m3/min)@		
	100 psig 6.9 bar	125 psig 8.6 bar	150 psig 10.3 bar
QSF-50	238 (6.74)	210 (5.95)	188 (5.32)
QSF-60	281 (7.96)	250 (7.08)	228 (6.46)
QSF-75	368 (10.42)	325 (9.2)	280 (7.93)
QSF-100	492 (13.93)	438 (12.4)	380 (10.76)
QSF-125	620 (17.56)	554 (15.69)	488 (13.82)
QSF-150	730 (20.67)	655 (18.55)	576 (16.31)
QSF-200	998 (28.26)	890 (25.2)	--

Quincy QSF Technical Data0	Dimensions (in)	
	Open (Enclosed)	Sound (dBA) Open (Enclosed)
QSF-50	74 x 43 x 54	84 (73)
QSF-60	(74 x 43 x 75)	85 (73)
QSF-75	84 x 55 x 63	88 (76)
QSF-100	(84 x 55 x 84)	88 (77)
QSF-125	88 x 55 x 67	88 (79)
QSF-150	(88 x 55 x 84)	88 (80)
QSF-200	96 x 60 x 72 (96 x 60 x 92)	91 (80)

Performance rated in accordance with CAGI/PNEUROP PN2CPTC2 Test Code

* Maximum pressures with on line/off line control are 6.9 Bar, 8.6 Bar and 10.3 Bar (100 psig, 125 psig and 150 psig).

+ Modulation control pressure maximums are 7.9 Bar, 9.6 Bar and 11.3 Bar (115 psig, 140 psig and 165 psig).

