



Portable Power

10/425 | Oil-Free Portable Air Compressors

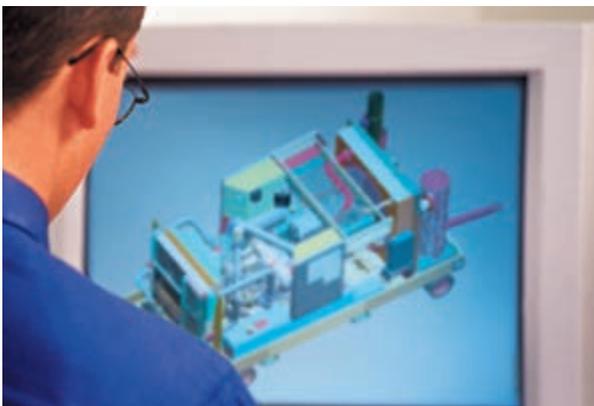


High performance, easy operation and outstanding control

Leading the way

For more than 125 years, Doosan Infracore Portable Power has been the world leader in compressor technology. That tradition of leadership continues with our 10/425 oil-free compressor, built specifically for applications where quality air is a must, including petrochemical and nuclear facilities. Carefully designed to meet your specific demands, the 10/425 provides the power, fuel efficiency and easy-to-operate features you need while meeting current and future emission regulations. This high-performance compressor will help you get the most out of your long-term rental investment.

Superior features add up to superior performance

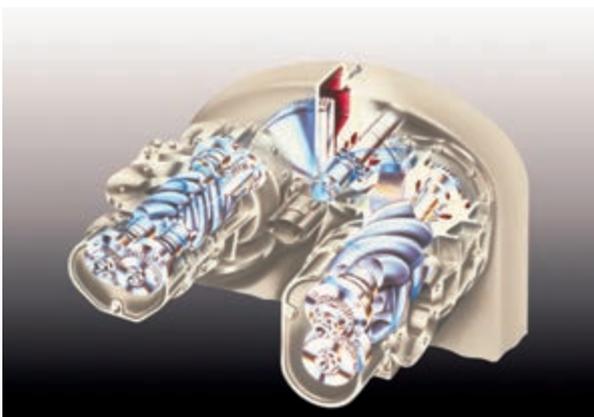


Reliable and durable design

To protect against impurities, the 10/425 offers stainless steel interconnecting piping and a corrosion-resistant intercooler and aftercooler. The 10/425 can also run at full load for at least 10 hours with the onboard fuel supply, which can easily be connected to an auxiliary fuel tank.

Maximum airend efficiency

Extensively field-proven in industrial applications, our two-stage, oil-free airend is the heart of the machine. Each set of rotors is precision-machined in a 20-step manufacturing process and has an UltraCoat™ finish that not only optimizes the rotor profile but also resists corrosion. This is essential to minimize air slippage and maintain airend efficiency.



reaches its operating temperature.

Power in any climate

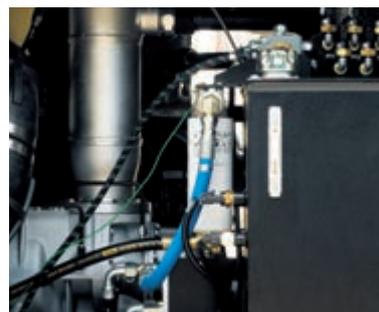
The 10/425 performs excellently in hot climates as well as in temperatures as low as -23° C. The cold-weather protection system gives you the improved response time needed before the machine



Intelligent control

Our Intellisys® control is a comprehensive operational, diagnostic and safety interface. Known for its user-friendly features, this system is built into the 10/425 and carefully structured to provide as much or as little

information as necessary. It also allows compressor operating parameters to be fine-tuned quickly and easily.



Easy to maintain

The fluid systems on this compressor are conveniently located and make it easy to maintain fluid levels. Central drain systems are standard for easy servicing. In addition, an optional modem-based satellite communication system reduces service

costs and helps with maintenance scheduling through shutdown warnings.

Continuous air delivery

In an environmentally friendly compressor



Continuous air delivery

With an operating pressure of 10.3 bar, our 10/425 oil-free compressor provides exceptional application flexibility. It's capable of continuous 42.5 m³/min (1,500 cfm) free air delivery between 4.1 and 10.3 bar (60 and 150 psi), and works well in applications where constant volume is as important as

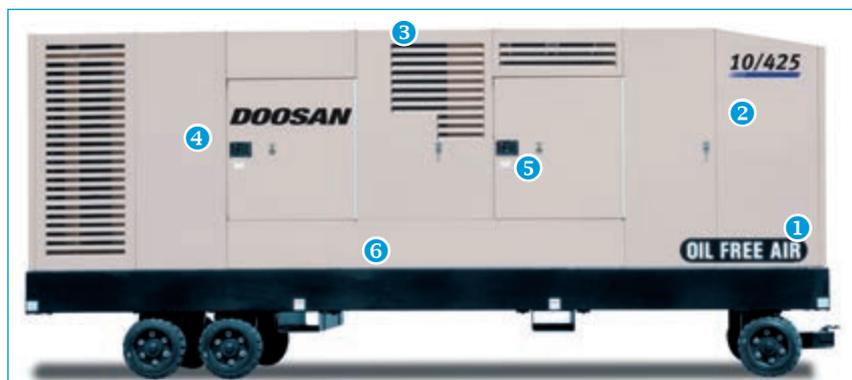
correct pressure. Designed for optimal efficiency, the 10/425 also eliminates the need to reduce flow as pressure requirements increase.

Environmental awareness

The 10/425 features a sealed base designed to hold fluid spills, thus preventing potential contamination. In addition, water precipitated from the air stream by the intercooler and aftercooler is collected and routed through our patented condensate

burn-off system. This is a significant benefit if you're operating in humid conditions where condensate disposal can exceed one ton per day – as well as in cold conditions where condensate can freeze in temporary drainage systems.

Environmental



1 Condensate burn-off system

Our patented system collects water from the intercooler and aftercooler and injects it into engine exhaust for flash evaporation. It also eliminates the need for conventional condensate drainage systems with cold weather provisions.

2 Intellisys® control system

Intellisys performs accurate matching of machine output to system requirements, thus increasing engine efficiency.

3 Lifting eyes, forklift slots, running gear

These features provide easy installation and increased manoeuvrability.

4 600 HP Cummins QSX-15 engine

This powerful engine meets current and future emission requirements.

5 Visual and audible warning system

The advanced warning system for machine start-up increases safety for the operator and others in the vicinity.

6 110% fluid containment system

This system offers double-wall protection and keeps fluids from creating environmental hazards.

Compressor	10/425
ENGINE	
Make / Model	Cummins / QSX-15
No. of cylinders	6
Cylinder bore – mm (in)	137 (5.39)
Cylinder stroke – mm (in)	170 (6.7)
Displacement – l (cu in)	15 (915)
Rated / Idle speed – rpm	1800 / 1200
Bhp @ rated speed – bhp (kW)	600 (448)
Fuel / Cooling	Diesel / water
Electrical Volt / CCA	24 / 1400
Engine oil capacity – l (qt)	90.8 (96)
Radiator coolant capacity – l (gal)	96.5 (25.5)
Fuel consumption @ 100% load – l/h (gph)	97.7 (25.8)
Fuel tank capacity – l (gal)	1136 (300)
Operating time @ full load – h	11.6
ROTARY SCREW COMPRESSOR	
Number of compression stages	2
Free air delivery – m ³ /min (cfm)	42.5 (1500)
Rated operating pressure – bar (psi)	10.3 (150)
Pressure range – bar (psi)	4.1 – 10.3 (60 – 150)
Air discharge outlet quantity / size – mm (in)	76.2 (1/3)
Lube oil capacity – l (gal)	76 (20)
DIMENSIONS (WITH WAGON STEER RUNNING GEARS)	
Length with / without drawbar – mm (in)	7290 (287) / 6020 (237)
Width – mm (in)	1969 (77.5)
Height – mm (in)	2497 (98.3)
Shipping weight – kg (lb)	8889 (19600)
DIMENSIONS (WITHOUT RUNNING GEARS)	
Length – mm (in)	6020 (237)
Width – mm (in)	2281 (89.8)
Height – mm (in)	2319 (91.3)
Shipping weight – kg (lb)	8617 (19000)

Our 10/425 oil-free compressor has a number of options designed for maximum versatility.

Auto start

Includes a voltage relay switch connection to allow operators to run the machine at a distance, as well as a pressure detection system that automatically starts the machine if the system pressure drops below a certain level.

Marine-grade battery charger

NEMA 4-rated charger is fully enclosed and sealed to protect the charger and ensure full battery power. This marine-grade charger is built to last the life of the compressor, even after multiple steam cleanings.

Oil replenishment system

Maintains sufficient lubrication for the engine and reduces maintenance costs by allowing up to 500 hours of full-load operation between service intervals.

With Doosan Portable Power, you are not just buying a piece of equipment. You are investing in the strength and expertise of Doosan Portable Power and its people. From engineers and factory technicians, to field representatives and your dealer, we support your purchase. We are committed to helping you realize maximum value job after job, day after day. Wherever you see a piece of Doosan Portable Power equipment, you'll know that all of Doosan Portable Power team is behind it.

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More than compressors



Specifications and design are subject to change without notice. Pictures of Doosan Portable Power products may show other than standard equipment.



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