

DRILLAIR Y35 / X28

for geothermal,
waterwell and
foundation drilling

Atlas Copco





DrillAir Y35

www.atlascopco.com

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4 GOOD REASONS to invest in DrillAir Y35



500

Drilling 500 meters per day is achievable with the DrillAir Y35. Two 4.5" x 250 m geothermal wells can be finished in a single drilling day⁽¹⁾.



1

A single truck can carry both the compressor and the rig thanks to the short, 4.1 meter compressor frame.



100%

DrillAir Y35 is 100% suitable for sustainable projects, thanks to compliance with Stage IV emission standards.



2.2

DrillAir Y35 consumes less than 2.2 liters of fuel per meter drilled⁽¹⁾ for 250 meters holes.

⁽¹⁾ Dependent on various operational parameters. Please ask your Atlas Copco representative for more details.



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DrillAir X28

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4 GOOD REASONS

To invest in Drillair X28



400

Drilling 400 meters per day is achievable with the DrillAir X28 with 30 bar maximum pressure. Two 4.5" x 200 m geothermal wells can be finished in a single drilling day⁽¹⁾.



1

A single truck can carry both the compressor and the rig thanks to the short, 4.1 meter compressor frame.



100%

DrillAir X28 is 100% suitable for sustainable projects, thanks to compliancy with Stage IV emission standards.



1.7

DrillAir Y35 consumes less than 1.7 liters of fuel per meter drilled⁽¹⁾ for 200 meters holes.

⁽¹⁾ Dependent on various operational parameters. Please ask your Atlas Copco representative for more details.



DRIHA Y35

WELLDRIILL

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3060

Higher REVENUES



High penetration rate with 30 or 35 bar pressure allows to drill more meters in a day.



Dynamic Flow Boost® gives additional up to 4 m³/min when flushing and during drill stem refill. It means faster flushing, faster stem refill and a shorter time to finish a well.

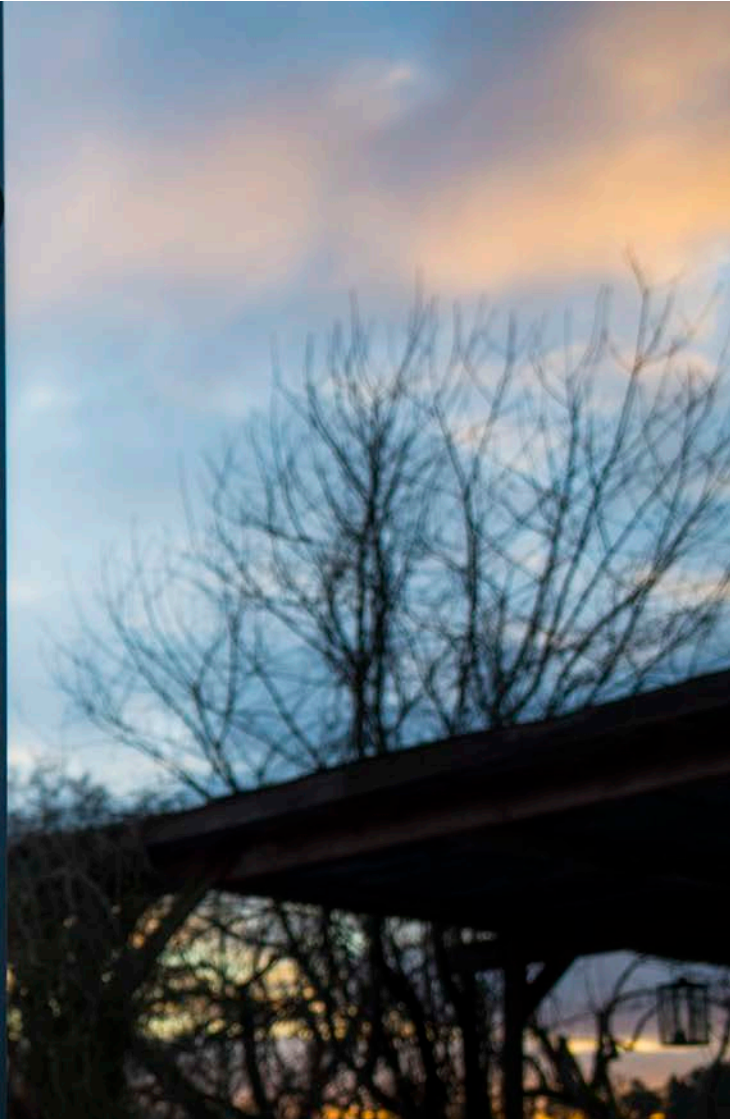


Compliance with Stage IV means a healthier life for our children. It also allows you to work on sustainable projects and for environmentally conscious customers.



Atlas Copco XPR * extends the working pressure range. It is based on patented technology and lets you set working pressure as low as 15 bar. The DrillAir Y35 is an efficient solution for geothermal foundation drilling and other applications.

* Available only for Drillair Y35



Lower fuel and transport **EXPENSES**



The combination of [DrillAirXpert](#), the Atlas Copco screw element and a Scania engine provides high efficiency for a wide range of pressure and flow.



Drilling with [30-35 bar pressure](#) allows you to drill more meters in an hour. Even though consumption per hour is higher, the cost per meter is lower.



A [single truck](#) can carry both the compressor and the rig thanks to the DrillAir Y35's short 4.1 meter frame, which helps to minimize transport expenses.



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Lower maintenance and repair EXPENSES



Maintenance and repair costs are now predictable. The **standard warranty** covers parts within two years or 4,000 hours (whichever occurs first)⁽³⁾.



A standard **warranty can be optionally extended for an additional 2 years or 4000 hours**, thus reducing the risk of unexpected expenses up to 4 years or 8,000 hours (whichever occurs first)⁽³⁾ from commissioning date.



Scania engines are engineered for maximum uptime. A modular product system and efficient logistics provide outstanding part availability. The Scania network includes over 1,000 workshops and more than 370 industrial engine specialists in Europe.



Three layer protection coating of all bodywork helps to minimize repainting costs. The top layer, a 100µm powder coat, creates a barrier against mechanical damage. The 100µm layer of primer protects from corrosion infiltrating under the coating. And in the event of coating damage, the steel is protected by a Zincor layer.

⁽³⁾ Please ask your Atlas Copco representative for warranty conditions.

DrillAir Y35



Higher residual value, lower depreciation **EXPENSES**



A single truck can carry both the compressor and the rig thanks to the short **4.1 meter frame**. There is no need to invest in a second or a bigger truck.



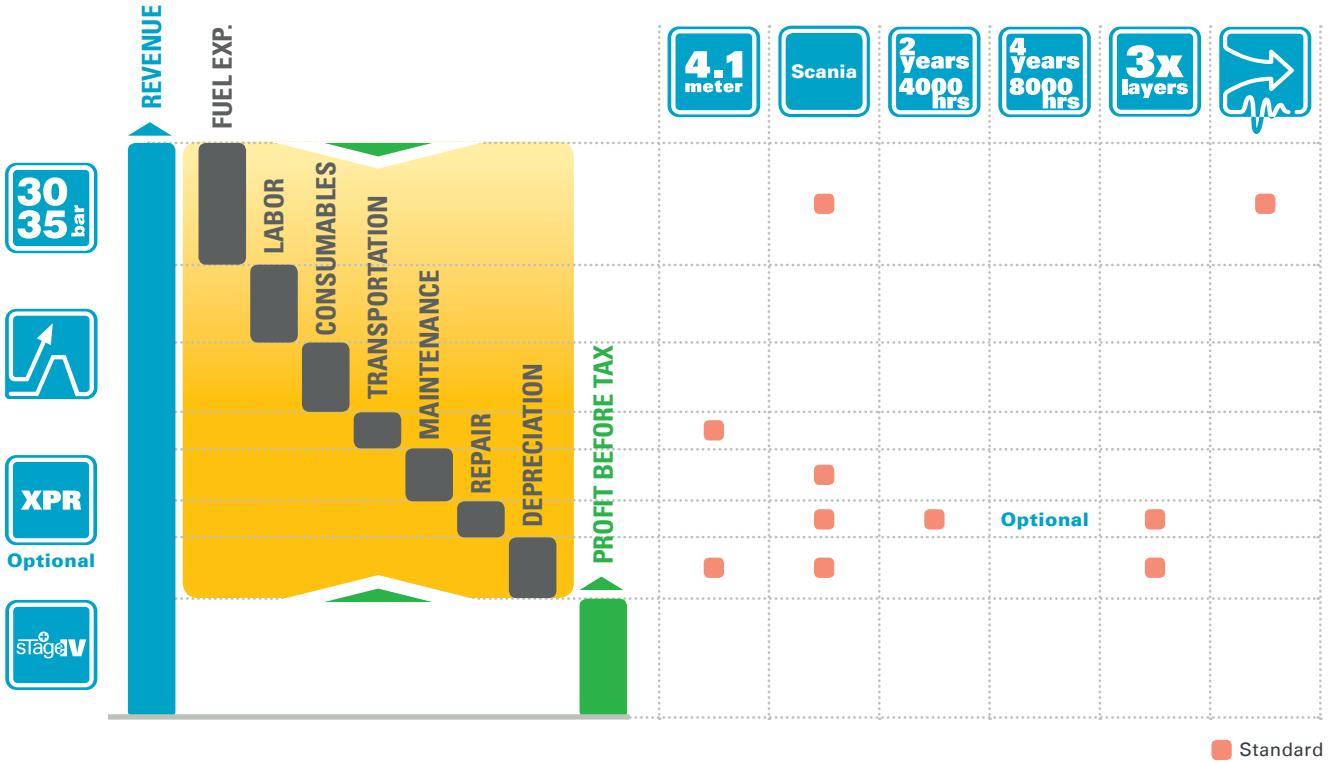
To keep the canopy in good condition for a long period of time, we use three layers of protection: **Zincor, primer and powder top coat**. The compressor's residual value will be higher if the bodywork is intact.



The compressor's residual value is largely defined by the remaining lifetime of the engine at the moment of resale. Scania is well known for its excellent performance and durability. The DrillAir Y35 complies with Stage IV emission standards, so it will have a higher value than similar Stage IIIA or IIIB equipment in the years to come.



Higher PROFIT

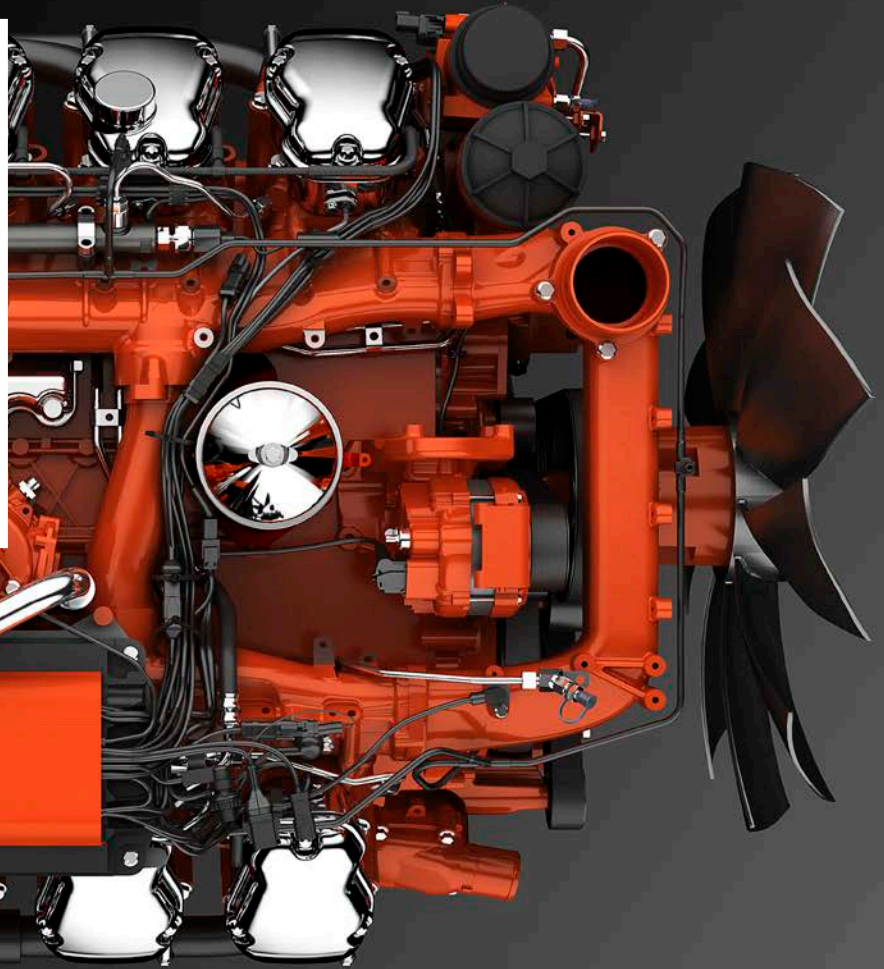


Y35: THE BETTER STAGE IV ENGINE

1,000+ More than 1,000 Scania workshops in Europe

370+ Over 370 engine specialists in Europe

0 costs There are no costs for particulate filter replacement as Scania Stage IV engines don't require one



SCANIA Stage IV

Stage IV is the emission standard for non-road engines that was introduced in Europe in January 2014. Stage IV-compliant engines **REDUCE THE EMISSION OF NO_x AND PARTICULATE MATTER TO NEAR-ZERO LEVELS.**

Compressors with engines that comply with older regulations can still be used, but increasingly companies are required to minimize their environmental impact. This means using compressors that meet the latest emission requirements.

SCANIA STAGE IV

Scania's Stage IV technologies are very reliable and do not affect torque or power output. Scania uses advanced exhaust gas recirculation (EGR) and selective catalytic reduction (SCR) technology that eliminates the need for particulate filters. By injecting a urea-based additive, AdBlue/DEF (diesel exhaust fluid), into the after-treatment system, a chemical reaction takes place that converts the harmful nitrogen oxides (NO_x) into diatomic nitrogen (N₂) and water.

DRILLAIR ENGINES

The DrillAir Y35 uses the Scania DC16, an 8-cylinder, 16-liter engine that produces 478 kW of power. X28 is powered by DC13, an 6-cylinder, 13 liter engine with 369 kW power.

LOCAL SUPPORT

The Scania network includes over 1,000 workshops in Europe, all within a two hour drive of your site. Every dealer has a service van to provide on-site service.

Features & Options

DrillAir Y35 / X28

Features:



Easy maintenance with external access to compressor oil level/refill and new vessel design.



Easily accessible centralized draining system and outlet ball valve



Easy to operate with the Xc controller



Drill more than 700 meters with the 70l AdBlue tank⁽⁴⁾

Other features:

After-cooler, water separator and bypass valve; 500 hour service interval for the engine; Oiltronix®; pressure toggle switch; 3 stage fuel filter system with water separator; spillage free frame; Certified Integrated Spark Arrester

Options:



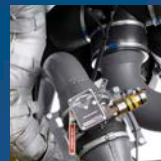
Fire extinguisher



EU ABS tandem undercarriage



Wagon undercarriage



Inlet shutdown

Other options:

Options Y35: Automatic fire suppression system, work zone lights, XPR, remote control, cold start and preheater with GSM control

Options X28: preheater, aftercooler+waterseparator+bypass, support mounted undercarriage



⁽⁴⁾ Dependent on various operational parameters. Please ask your Atlas Copco representative for more details.



4 DIFFERENCES

that matter

	XRVS476	X28	XRYS577	Y35
Length (without undercarriage)	4.1m	4.1m	4.5m	4.1m
Minimum pressure	15 bar	16 bar	22 bar	15 bar
Maximum pressure	25 bar	30 bar	15 bar	35 bar
Canopy coating	2 layers: 2+100µm	3 layers: 2+100+100µm	2 layers: 2+100µm	3 layers: 2+100+100µm
Engine	Stage IIIA Caterpillar C13 (354 kW)	Stage IV Scania DC13 (369 kW)	Stage IIIA Caterpillar C18, 6 in-line (18L, 429 kW)	Stage IV Scania DC16, V8 (16L, 478 kW)
Fuel consumption at 75% load	56.8 l/h @ 25 bar	53.1 l/h @ 25 bar	84.4 l/h @ 35 bar	72.3 l/h @ 35 bar

⁽⁵⁾ With optional XPR system



TECHNICAL DATA

X28 / H32



TECHNICAL DATA		X28	H32
Pressure range	bar	30-16	20-14
DrillAirXpert		YES	YES
Extended Pressure range (with optional XPR)	bar	NA	NA
Nominal flow at 30 bar	m ³ /min (l/s)	28,3 (479)	NA
Nominal flow at 25 bar	m ³ /min (l/s)	28,9 (483)	NA
Nominal flow at 20 bar	m ³ /min (l/s)	31,5 (527)	32,5 (541)
Flow in Dynamic Flow Boost mode	m ³ /min (l/s)	max. 32,6 (544) at 16 bar	35,7 (595) at 14 bar
Fuel consumption @ 30 bar, 100% / 75% flow	kg/hrs	65,00 / 47,76	NA
Fuel consumption @ 25 bar, 100% / 75% flow	kg/hrs	60,90 / 44,16	NA
Fuel consumption @ 20 bar, 100% / 75% flow	kg/hrs	TBD	TBD
Engine speed range	rpm	1300-2000	1300-2000
Engine make		Scania DC13 6-in-line	
Emission compliance		Stage IV	
Engine power (DIN 627 1)	KW	369	
AdBlue tank capacity	l	70	

DIMENSION AND FUEL CAPACITY		Wagon	High speed tandem
Dimensions	m	4,91x2,14x2,48	6,03x2,14x2,48
Fuel tank capacity	l	700	520
Weight (excl. fuel, AdBlue)	kg	5,880	TBD
Weight (incl. fuel, AdBlue)	kg	6,500	TBD



TECHNICAL DATA

Y35 / V39



TECHNICAL DATA		Y35	V39
Pressure range	bar	35-22	25-14
DrillAirXpert		YES	YES
Extended Pressure range (with optional XPR)	bar	22-15	NA
Nominal flow at 30 bar	m ³ /min (l/s)	34,8 (580)	NA
Nominal flow at 25 bar	m ³ /min (l/s)	35,8 (596)	39,3 (656)
Flow in Dynamic Flow Boost mode	m ³ /min (l/s)	max. 39,0 (650) at 22 bar	43,3 (722) at 17 bar
Fuel consumption @ 35 bar, 100% / 75% flow	kg/hrs	82,84 / 59,62	TBD
Fuel consumption @ 25 bar, 100% / 75% flow	kg/hrs	72,45 / 52,81	TBD
Engine speed range	rpm	1200-1900	
Engine make		Scania DC16 V8	
Emission compliance		Stage IV	
Engine power (DIN 627 1)	KW	478	
AdBlue tank capacity	l	70	

DIMENSION AND FUEL CAPACITY		Wagon	Support mounted	High speed tandem
Dimensions	m	6,2x2,2x2,5	4,1x2,2x2,5	6,9x2,4x3,1
Fuel tank capacity	l	750	1200	1200
Weight (excl. fuel, AdBlue)	kg	6781	6200	8678
Weight (incl. fuel, AdBlue)	kg	7540	7342	9820



COMMITTED TO SUSTAINABLE PRODUCTIVITY

We stand by our responsibilities towards our customers,
towards the environment and the people around us.
We make performance stand the test of time.
This is what we call - Sustainable Productivity

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