

2008 Atlas Copco PV-271 DR01



Make	Atlas Copco		Model	PV271	
Year	2008	Hours	44676	As at	25/07/2015
Mileage				km	As at
Serial/VIN	4424		Engine Serial	37234336B	
Details	<p>2008 Atlas Copco PV271 Rotary Blast Hole Drill rig asset # DR01. This Pit Viper 271 has been maintained by Epiroc / Atlas Copco since new under a via a MARC and was parked up in July 2015 at 44,676 frame hours with major component hours data is included in the detailed GES Equipment Report. This rig is running and will tram and the mast is reported to be in fair condition. The buyer is responsible for all costs related to dismantling and removal, contact GES for a budget dismantling cost from a NBG Approved Contractor. This asset is offered for sale via Online Auction on an "As Is Where Is" basis ex Site Boddington Gold Mine, Western Australia.</p>				
Asking price	AUD	Under review - call for pricing			
Ex site	Australia, Western Australia, Boddington				

Service history

This rig was parked up in early 2015.
Major component hours as per GES Equipment report.
This rig is running and will tram and the mast is reported to be in fair condition.
The buyer is responsible for all costs related to dismantling and removal, contact GES for a budget dismantling cost from a NBG Approved Contractor.

**For further details, to make an offer or book an inspection, contact
Global Equipment Solutions on Office: 08 9201 1142**











COMPONENT DR01 as at 25/7/2015

	HOURS	FORECAST LIFE	% LIFE USED
Under Carriage			
FINAL DRIVE GROUP RIGHT	44676	25000	179%
FINAL DRIVE GROUP LEFT	44676	25000	179%
TRACK ASSYS	5493	16000	34%
JACK CYLINDER FRONT CS	6999	15000	47%
JACK CYLINDER FRONT DCS	6999	15000	47%
JACK CYLINDER REAR CS	4067	15000	27%
JACK CYLINDER DCS	4067	15000	27%
Tower Group			
C/O ROTATION HEAD	1720	6000	29%
VARIABLE ROTATION MOTOR	11274	12000	94%
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CYLINDER FEED	6999	12000	58%
CYLINDER FEED	6999	12000	58%
PULLDOWNCABLEASSY	10438	12000	87%
PULLDOWNCABLEASSY	10438	12000	87%
PULLBACKCABLEASSY	4398	12000	37%
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HYD CYLINDER ROD SUPPORT	5493	15000	37%
CYLINDER TOWER RAISE	22156	12000	185%
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PUMP WATER	5334	4000	133%
MOTOR WATER PUMP	5334	4000	133%
Engine Group			
	Serial #	37234336B	
ENGINE	10293	16000	64%
CORE RADIATOR	44676	10000	447%
CORE COC	13127	10000	131%
CORE HOC	7632	10000	76%
MAIN FAN MOTOR	10218	10000	102%
DRIVE SHAFT	6999	6000	117%
Air Group			
COMPRESSOR	3578	8000	45%
COMP LUBE PUMP	3578	8000	45%
COMPRESSOR COUPLING	3542	8000	44%
BUTTERFLY VALVE	2216	18000	12%
ACTUATOR	2216	12000	18%
VALVE SAFETY	4369	6000	73%
CAC	14624	15000	97%
CAC FAN MOTOR	8460	10000	85%
Hydraulic Group			
MAIN PUMP	9597	6000	160%
MAIN PUMP	6528	6000	109%
TRIPPLE PUMP	6528	6000	109%
PUMP DRIVE	3276	6000	55%
6 SPOOL BANK	44676	24000	186%
11 SPOOL BANK	7432	24000	31%

Pit Viper PV-271

The PV-271 is designed to handle 6-1/4" up to 8-5/8" drill rods. The cable feed system utilizes a dual rod/dual piston cylinder and offers high feed speeds for increased productivity. The PV-271 offers a 55 ft single-pass tower with a total depth capacity of 105 ft through a 2-rod carousel with 25 ft rods. It has an option to be delivered with the RCS Computerized rig control system and a new fully integrated cabin, incorporating functions like; remote tramming, auto levelling, auto drilling, and GPS navigation.

Standard equipment

- Insulated, pressurized, air conditioned cab with tinted glass and suspension operator seat
- Caterpillar 345XL undercarriage with hydraulic track tensioners
- Hydraulic cylinders driven cable feed system
- Hydraulic motor driven rotary head with spline lubrication, maximum 8,700 lbf·ft torque; speed range 0 - 150 rpm
- Rotary head tachometer on operator console
- Remote hydraulic tower pinning
- Two-rod carousel for 6 1/4" to 8-5/8" drill rods
- "No-bump" rod changer
- Hydraulically powered breakout wrench (fork chuck)
- Hands Free auxiliary hydraulic chain wrench
- 8,000 lb (3,629 kg) capacity auxiliary hoist
- Hydraulically retractable dust curtains
- Cooling package
- Separate air intake filters for engine and air compressor
- Wide flange structural steel beam frame with oscillation yoke mounting
- Hydraulic Test Station
- 13-light night lighting package-70 watt halogen
- Full deck service catwalks and railings
- Two 48" (1.2 m) and one 60" (1.52 m) stroke leveling jacks



Technical data		
Drilling Method	Rotary or DTH – Single pass	
Hole Diameter	6 3/4 in - 10 5/8 in	171 mm - 270 mm
Hydraulic Pulldown	70,000 lbf	311 kN
Weight on bit	75,000 lb	34,000 kg
Hydraulic Pullback	35,000 lbf	156 kN
Single pass depth	55 ft*	16.8 m*
Maximum hole depth	105 ft	32 m
Feed speed	127 ft/min	0.6 m/s
Rotary head, torque	8,700 lbf·ft	11.8 kNm
Estimated weight	185,000 lb	84 tonnes

Dimensions tower up		
Length	41 ft 3 in	12.6 m
Height	87 ft	26.5 m
Width	18 ft 4 in	5.6 m

Dimensions tower down		
Length	83 ft 7 in	25.5 m
Height	22 ft 1 in	6.7 m

Compressor range	
Low pressure rotary	1,900 cfm@110 psi / 53.8 m ³ /min@7.6 bar
Low pressure rotary	2,600 cfm@110 psi / 73.6 m ³ /min@7.6 bar
High pressure, DTH	1,450 cfm@350 psi / 41.1 m ³ /min@24 bar

Engine (Tier II)		
Caterpillar	C27	800HP / 597 kW@1800RPM (LP 1900)
Cummins	QSK19	755HP / 563 kW@1800RPM (LP 1900)
Caterpillar	C32	950HP / 708 kW@1800RPM (LP 2600)
Caterpillar	C27	800HP / 597 kW@2100RPM (HP 1450)
Weg motor	6808	700HP / 521 kW@ 50 or 60Hz
Weg motor	6811	900HP / 671 kW@ 50 or 60Hz

Drill pipe specification: 25 ft (7.6 m)		
Drill pipe diameter	Suggested bit diameters	Thread
6 1/4" (159 mm)	6 3/4" – 9"	4" BECO
7" (178 mm)	9" – 9 7/8"	4 1/2" BECO
7 5/8" (194 mm)	9 7/8" – 10 5/8"	5 1/4" BECO
8" (203 mm)	9 7/8" – 10 5/8"	5 1/4" BECO
8 5/8" (219 mm)	10 5/8"	6" BECO

High pressure DTH drilling
Up to 8" DTH hammer and max. 9 7/8" bit diameter
* There is also a 65 ft (19.8 m) clean hole tower option (see page 76 - 77)

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