

AR-125 DIAMOND DRILL RIG - EQUIPMENT FOR SALE

Complete Rig Package | Contact: Nate Larson - (907) 690-5147 | Date: April 2026

#	Item Description	Category	Part Number	Condition	Notes / Specs	Estimated Value	Asking Price
1	AR-125 Mast	Derrick Assembly	R2DR001		See Feed Frame and Mast Tab	\$47,280.29	
2	AR-125 Crown	Derrick Assembly	R2DR002			\$12,758.17	
3	AR-125 Feed Frame	Derrick Assembly	R2DR003		See Feed Frame and Mast Tab	\$19,212.31	
4	4.5 Inch Rotation Unit	Hydraulic Equipment	R2HE001		Se PQ Rotating Head Tab	\$65,291.83	
5	Drillers Console / Hydraulic Power Unit	Hydraulic Equipment	R2HE003		See Driller's Console and HPU Tab	\$60,000.00	
6	AR-125 25K Lbs Draw Works	Hydraulic Equipment	R2HE004			\$32,645.92	
7	AR-125 6K Slickline Line Winch	Hydraulic Equipment	R2HE005			\$3,602.31	
8	AR-125 Skid Base	Sub Structure	R2PS002			\$17,681.33	
9	AR-125 Fly Base	Sub Structure	R2SS001		Does not include rig floor, hydraulic jack legs or wind walls	\$23,264.91	
10	AR-125 Sub Floor	Sub Structure	R2SS002		3" C channel with Aluminum Diamond Plate	\$13,347.30	
11	Drill Rod Sloop	Support Equipment	R2SE003			\$13,883.90	
12	AR-125 Portable Fuel Tank	Support Equipment	R2SE007		White 3' H x 2' L x 1' W, 45 gals	\$2,443.57	
13	Wind Walls & Roofs	Support Equipment	R2SS003		Aluminum Fram and Siding	\$12,000.00	
14	IZuzu Drill Engine	Support Equipment	R2SE001		See Isuzu EGINE Tab	\$20,000.00	
14	Izuzu Engine & HPU Spares	Support Equipment	R2SE001		See Spares Tab	\$20,000.00	
TOTAL PACKAGE VALUE						\$343,411.84	\$300,000.00

Spare Parts

Alternator

Water Pump

Various Engine Filters

Hydraulic Cartridge Valves

Hydraulic Filters

Hydraulic System		
Primary Pump 150 cc	Variable Displacement Piston Type Load Sensing/Pressure Compensating	
Max Flow	63 gpm	238.5 l/mi
Max Pressure	5000 psi	344.8 bar
Secondary Pump 75 cc	Variable Displacement Piston Type Load Sensing/Pressure Compensating	
Max Flow	33.3 gpm	108.9 lpm
Max Pressure	5000 psi	344.8 bar

Feed Frame / Mast		
Stroke	6 Feet	1.8 Meters
Pull Back	26,500 lbf	12,020 kg
Thrust	17,800 lbf	8,073 kg
Rod Pull	20 Feet	6 Meters
Angle	45° of vertical to 90° vertical	
Foot Clamp	Hydraulic, up to 4.5" capacity (PWL)	

Boart Longyear PQ Rotating Head & Parker Hydraulic Motor — Key Specifications

Head ratings are from Boart Longyear LF90D technical data. Motor identification is transcribed from the photographed nameplate; exact legacy M4-

BOART LONGYEAR PQ ROTATING HEAD

Specification	Metric	U.S.	Status / Notes
Rod / chuck capacity	BQ to PQ	BQ to PQ	LF90D drill rod size; photographed unit described as 4.5 in PQ head
Drive arrangement	Variable-displacement bent-axis hydraulic motor + 4-speed mechanical transmission		PQ rotation unit description
1st gear speed	122–199 rpm	122–199 rpm	No-load speed range
1st gear stall torque	5,322–3,254 N·m	3,925–2,400 lb-ft	Highest torque range
2nd gear speed	246–400 rpm	246–400 rpm	No-load speed range
2nd gear stall torque	2,648–1,620 N·m	1,963–1,195 lb-ft	
3rd gear speed	439–714 rpm	439–714 rpm	No-load speed range
3rd gear stall torque	1,486–908 N·m	1,096–670 lb-ft	
4th gear speed	769–1,250 rpm	769–1,250 rpm	Highest speed range
4th gear stall torque	849–519 N·m	626–383 lb-ft	
Maximum spindle speed	1,250 rpm	1,250 rpm	Top of 4th-gear range
Maximum spindle stall torque	5,322 N·m	3,925 lb-ft	Low-speed end of 1st gear

PARKER HYDRAULIC MOTOR

Specification	Metric	U.S.	Status / Notes
Manufacturer	Parker	Parker	Pump and Motor Division; Made in Sweden
Type / model	M4-60-SVS-HP-E3A-N000	M4-60-SVS-HP-E3A-N000	Best reading of photographed nameplate
Additional code	M-00-160/075-010	M-00-160/075-010	Best reading of photographed nameplate
Serial number	4001016	4001016	Clearly visible on nameplate
Motor type in PQ drive	Variable-displacement bent-axis hydraulic motor		Boart Longyear PQ drive description; verify photographed Parker unit matches original configuration
Exact displacement / pressure / flow rating	To be confirmed	To be confirmed	Legacy M4-60 rating not assumed without matching Parker documentation

ISUZU 6BG1TRW — ENGINE SPECIFICATIONS

Source basis: Isuzu Motors Ltd. specification sheet IS-08-097-0 (issued 14-Jul-2008)

Category	Specification	Value	Unit / Details
Identification	Manufacturer	ISUZU MOTORS LIMITED	
Identification	Base model	6BG1	
Identification	Model number	6BG1TRW	
Identification	Application	General Industrial	
Identification	Drawing number	DI1-7841	
Identification	Emission regulation	EPA Tier 2 / EC Stage II	
Identification	Specification sheet	IS-08-097-0	Issued 14-Jul-2008
Core engine	Engine type	4-cycle, water-cooled, direct-injection,	Diesel
Core engine	Cylinder arrangement	6 inline	
Core engine	Bore		4.13 in
Core engine	Stroke		4.92 in
Core engine	Total displacement		396.29 cu in
Core engine	Compression ratio		18. :1
Core engine	Aspiration	Turbocharged	
Core engine	Firing order	1-5-3-6-2-4	
Core engine	Rotation direction	Clockwise	Viewed from cooling-fan side
Performance	Rated output		163.07 hp @ 2200 rpm
Performance	Maximum torque		408.3 ft-lbs minimum @ 1800 rpm
Performance	Specific fuel consumption		247. g/kWh @ rated output (±13.6)
Performance	High idle speed		2500. rpm, +0 / -50 (interpreted from source)
Performance	Low idle speed		900. rpm ±25
Fuel system	Fuel	Diesel	JIS No.2 / ASTM 2-D / EN 590
Fuel system	Injection pump	Bosch in-line type	
Fuel system	Injection nozzle	Multi-hole type	
Fuel system	Governor	Centrifugal variable-speed type	
Fuel system	Fuel feed pump	Plunger type	Integrated in injection pump
Fuel system	Fuel filter	Gear element type	As stated in source
Fuel system	Injection timing		9. ° BTDC ±1°
Fuel system	Initial injection pressure	16.3 / 22.9	MPa (two values shown in source; context not
Lubrication	Lubrication system	Trochoid pump; camshaft driven; full	
Lubrication	Oil pressure indication	Oil pressure warning switch	
Lubrication	Oil filter	Full-flow, paper element	
Lubrication	Oil capacity — maximum		21.5 L (oil pan only)
Lubrication	Oil capacity — minimum		17. L (oil pan only)
Lubrication	Recommended engine oil	API CD, SAE 10W-30	
Cooling	Cooling fan	600 mm diameter, suction, 6-blade,	
Cooling	Water pump	Impeller type	Belt driven from crankshaft pulley
Cooling	Thermostat	Wax pellet type	
Cooling	Coolant capacity		12. L (engine only)
Electrical	Starter	12 V / 2.5 kW	Magnetically actuated
Electrical	Alternator	12 V / 60 A	AC type, built-in IC regulator; belt driven
Electrical	Pre-heating device	Glow plug	Conventional type
Electrical	Engine stop device	Fuel cut lever	
Dimensions & mass	Dry weight		1080.27 lbs approx.
Dimensions & mass	Overall length		47.26 in (with fan)
Dimensions & mass	Overall width		27.3 in

Dimensions & mass	Overall height	37.36 in
Installation	Power take-off	None
Installation	Inclination limit	35. degrees, all directions
Valve / compression	Compression pressure	3.04 MPa @ 200 rpm engine speed
Valve / compression	Inlet valve clearance	0.4 mm cold
Valve / compression	Inlet valve opens	19. ° BTDC
Valve / compression	Inlet valve closes	47. ° ABDC
Valve / compression	Exhaust valve clearance	0.4 mm cold
Valve / compression	Exhaust valve opens	57. ° BBDC
Valve / compression	Exhaust valve closes	15. ° ATDC
Finish	Paint	Clear