AlamoIQ
ENERGY EQUIPMENT

Gas compression package

Five-layer review: identity, authority, specification, condition, fit

UNIT OFFERED AS	OFFERED BY (SELLER OR BROKER)	FIELD, GAS SOURCE AND SALES POINT	REVIEWED BY / DATE

1. **Fill in the Required column first,** from your gas sales terms and production forecast, before you read the listing.
2. **Copy what the seller states** into the Stated column, exactly as written.
3. **Tick Verified only against a source document,** such as a datasheet, performance curve, certificate or manufacturer record. A broker sheet is not a source.
4. **Work in layer order.** A unit that fails on identity or authority does not need a condition survey.
5. **Every blank, range or mismatch is a gap.** The gaps become the scope for the physical inspection, run test and certification review.

01 Identity — Is it the package it claims to be?

ITEM	REQUIRED	STATED BY SELLER	VERIFIED	SOURCE DOCUMENT	NOTES AND GAPS
Package description Compressor, driver, coolers, scrubbers and controls included			☐		
Packager, and build year			☐		
Compressor frame make, model and serial number			☐		
Driver make, model and serial number Gas engine or electric motor			☐		
Previous installations and operating history			☐		
Consistency across documents Datasheets, performance curves and nameplates describe the same package			☐		

02 Authority — Can the seller actually sell it?

ITEM	REQUIRED	STATED BY SELLER	VERIFIED	SOURCE DOCUMENT	NOTES AND GAPS
Registered owner			☐		

ITEM	REQUIRED	STATED BY SELLER	VERIFIED	SOURCE DOCUMENT	NOTES AND GAPS
Seller's mandate Written, from the owner, through every intermediary			☐		
Liens and mortgages			☐		
Existing contracts, charters or leases			☐		
Sanctions screening Owner, seller and other counterparties			☐		

03 Specification Does the design meet the sales point and your gas?

ITEM	REQUIRED	STATED BY SELLER	VERIFIED	SOURCE DOCUMENT	NOTES AND GAPS
Design rate and turndown MMscf/d			☐		
Suction pressure range psi			☐		
Discharge pressure psi, against the gas buyer's delivery point plus pipeline and metering losses			☐		
Number of stages and cylinder sizes			☐		
Installed and site-rated horsepower hp, at your site ambient temperature and elevation			☐		
Gas composition design basis Gas gravity, CO2 and H2S content			☐		
Materials Sour or sweet service; NACE MR0175 / ISO 15156			☐		
Gas conditioning Dehydration and dew point control to the sales specification			☐		
Coolers Design ambient temperature, discharge temperature			☐		
Fuel gas consumption MMscf/d, and its effect on sales volumes			☐		

ITEM	REQUIRED	STATED BY SELLER	VERIFIED	SOURCE DOCUMENT	NOTES AND GAPS
Scrubbers and relief valves Ratings and set pressures			☐		
Controls and shutdowns Panel, safety shutdowns, remote monitoring			☐		
Design standard API Std 618 or API Spec 11P			☐		

04 Condition What will it cost to make it ready?

ITEM	REQUIRED	STATED BY SELLER	VERIFIED	SOURCE DOCUMENT	NOTES AND GAPS
Run hours, total and since last overhaul			☐		
Overhaul or refurbishment scope Documented work, parts replaced, by whom			☐		
Performance and vibration test records			☐		
Pressure vessel and relief valve certificates Scrubbers, bottles, test dates			☐		
Storage and preservation since last use			☐		
Control system condition Spares and obsolescence			☐		
Missing or removed components Against datasheets and drawings			☐		

05 Fit Will it work for this gas, this site and this sales point?

ITEM	REQUIRED	STATED BY SELLER	VERIFIED	SOURCE DOCUMENT	NOTES AND GAPS
Delivery pressure agreed with the buyer Or the range being negotiated			☐		
Gas rates now and forecast Against design rate and turndown over the field life			☐		
Redundancy What happens to gas and oil production when the unit is down			☐		

ITEM	REQUIRED	STATED BY SELLER	VERIFIED	SOURCE DOCUMENT	NOTES AND GAPS
Low-pressure gas Tank and low-pressure separator gas; vapor recovery			☐		
Site conditions Ambient temperature, power supply for electric drive, footprint and weights			☐		
Permits and approvals Flaring, emissions and gas sales approvals			☐		
Transport and import Shipping method, import approvals, Nigerian content requirements			☐		

Red flags: ask for documents before spending on travel or inspection

- Specification sheets that differ from the owner's own documents
- Ratings stated as ranges rather than specific values
- Proof of funds demanded before basic identity is shared
- Inspection fees payable to intermediaries
- "Firm" prices with buyer-paid commissions added on top
- Horsepower quoted at ISO conditions with no site rating
- Capacity stated without suction and discharge pressures
- Refurbishment claimed without a documented scope or run hours

RECOMMENDATION	OPEN GAPS FOR INSPECTION SCOPE	REVIEWED BY / DATE
☐ Proceed to inspection ☐ Proceed with conditions ☐ Do not proceed		

Sample for illustration. It is general information, not an offer, a valuation or advice for a specific transaction. AlamoIQ is an independent adviser and broker, not a lender.

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