

COOPER'S CAT G3616

ENGINE-COMPRESSOR PACKAGES

CAT 3616TALE A3 | GEMINI® F706



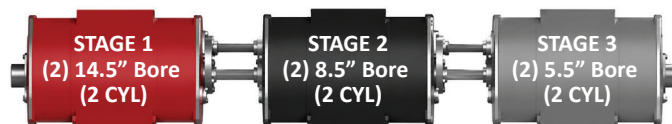
OVERVIEW

Cooper is offering (2) CAT 3616TALE A3 engine-compressor packages with recently completed zero-hour overhaul, ready to deploy. These heavy-duty units delivers exceptional reliability and power, driving a Gemini® F706 3-stage, 6-throw compressor for a complete, field-ready compression solution.

SPECIFICATIONS

Engine Model	Caterpillar G3616TALE (ADEM III)
Compressor Model	Gemini® F706
Cylinders	(2) 14.5", (2) 8.5", (2) 5.5"
Coolers	Air-X-Changer 168-2Z
Exhaust / Catalyst	Johnson Matthey BX80-DUAL (DUALOX)
Coupling	TB Woods FSH 92
Panel	Altronic

COMPRESSOR CYLINDER BORES



Bore	MAWP	Flange Rating
14.5" Bore	635 PSIG	8" - 300# RF
8.5" Bore	1500 PSIG	6" - 900# RF
5.5" Bore	2200 PSIG	4" - 1500# RF

INCLUDED WITH EACH PACKAGE

- > Air-X-Changer Cooler (Model #168-2Z) and an Altronic DE-2500 panel, with detailed drawings for seamless integration and operation.
- > Full as-built drawing package, bill of materials, and manuals.
- > U-1A vessel test reports, performance runs, and recommended spare parts inventory available upon request.



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BOTTLES, SCRUBBERS, AND PRESSURE VESSELS

Component / Description	Dimensions	Design / MAWP Pressure	Design Temp
1st Stage Suction Scrubber (B100)	36" O.D. x 96" S/S	250 PSIG	150°F
1st Stage Suction Bottle (B101)	24" O.D. x 82" S/S	250 PSIG	150°F
1st Stage Discharge Bottle (B102)	24" O.D. x 102" S/S	500 PSIG	350°F
2nd Stage Suction Scrubber (S200)	30" O.D. x 96" S/S	500 PSIG	150°F
2nd Stage Suction Bottle (B201)	20" O.D. x 84" S/S	500 PSIG	150°F
2nd Stage Discharge Bottle (B202)	20" O.D. x 120" S/S	1250 PSIG	350°F
3rd Stage Suction Scrubber (S300)	36" O.D. x 84" S/S	1250 PSIG	150°F
3rd Stage Suction Bottle (B301A/B)	18" O.D. x 36" S/S	1250 PSIG	150°F
3rd Stage Discharge Bottle (B302A/B)	20" O.D. x 54" S/S	2100 PSIG	350°F

COOLERS

Component	MAWP	Temp Rating	Flange Size / Rating
1st Stage Interstage Cooler (IC-1)	500 PSIG	350°F	10"-300#RF
2nd Stage Interstage Cooler (IC-2)	1250 PSIG	350°F	8"-600# RF
Aftercooler (AC)	2200 PSIG	350°F	6"1500# RTJ



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