

WORKSHEET

#06-0291

Stacked Core Quotation

Prepared for: **Caterpillar Inc. (Lafayette)**
3701 State Road 26 East
Lafayette, IN. 47905

Attn: **John Hardy**

Date in 4/3/2006

IEA Sales Order #

Date Req. 4/3/2006

Date Verbal

Customer Purchase Order #

Date Faxed 4/3/2006

Job Reference :

SO Date

Republic Landfill

ENGINE MANUFACTURE : **Caterpillar**

ENGINE MODEL : **G3520C**

RATING: **Continuous**

Hp Kw 1,600 Hz 60 Rpm 1,200

MANIFOLD TYPE **Dry**

DATA SUPPLIED BY **Customer**

J/W HEAT LOAD **48,476 Btu/Min**

J/W FLOW **408 Gpm**

J/W OUTLET TEMP **230 Deg. F**

A/C HEAT LOAD **22,406 Btu/Min**

A/C FLOW **200 Gpm**

A/C INLET TEMP **130 Deg. F**

COOLANT **50 % E.G.**

AMBIENT **122 Deg. F**

DEG. AIR RISE **0 Deg. F**

ELEVATION **2,200 Ft**

TOO HIGH

ENVIRONMENT

Normal

This unit will be in the Open

TOTAL EXTERNAL STATIC **0 INS. WATER**

DATA SUPPLIED BY **Customer**

RADIATOR MODEL **HCR-M200, stkd**

JW/AC SPLIT **100 / 100**

CFM **121,000**

FAN SPEED **1,760 RPM**

FAN DIA. **36**

TIP SPEED **16,579**

FAN PART #

NUMBER OF BLADES **7**

BLADE MATERIAL **Plastic**

J/W BOTTOM TANK TEMP **214**

FAN DRIVE TYPE **Direct**

DRIVE GROUP #

HORSE POWER **60**

MOTOR RPM **1,760**

PHASE **3**

HZ **60**

VOLTS **230/460**

RADIATOR SPL **@ 25 FT.**

PER CORE EHL **299**

REQUIRED EHL

STACKED DUAL CIRCUIT CORES

STACKED COUNTER FLOW CORES

REQUIRED EHL 1st CORE **207**

REQUIRED EHL 2nd CORE **291**

A/C TOP TANK TEMP **145**