

# REC-TEC PLATINUM

REC-TEC Platinum - [SCAM (1) - DISC/S-CAM IV Air Brake\*]

REC-TEC | Files Setup Edit Tools Vehicles Internet Help Manual Google | REC-TEC LLC

Capture Image Print Image Report Form Graphics [W/3] Vehicle Specs Cycle Windows AutoLoad [On]

**DISC/S-CAM IV Air Brake**

Surface Friction  0

C/TTD (100) % 85

Grade (Test) 0

Grade (Actual) 0

Compute for:  
 Initial Spd  
 Distance

Initial Spd M/H 50

Distance

Compute for Distance !

Final Speed M/H 0

Steer Axles 1

Drive Axles 5

Trailer Axles 6

Temp F 70

Air Press PSI 100

#  ABS Press (A)  PSI 5

**Brake Status**  CS  DS  Automatic ABS Computations **Brake Force Chart**  1991  2008

| A/S | Type | ABS/S | Air Disc | Psi(E) | MaxP  | Sl/Lm | f(L) | PRC | P Force | Lock | r-P/D | R-rad | Vload | Lck |
|-----|------|-------|----------|--------|-------|-------|------|-----|---------|------|-------|-------|-------|-----|
| 1L  | 30   | ✓     | ✓        | 10.07  | 100   | 15.8  | .35  | 1   | N/A     | 0    | 8.25  | 20    | 4000  | ☐   |
| 1R  | 30   | ✓     | ✓        | 10.07  | 100   | 15.8  | .35  | 1   | N/A     | 0    | 8.25  | 20    | 4000  | ☐   |
| 2L  | 30   | ✓     | ☐        | 10.05  | 100   | 15.8  | .35  | 1.1 | N/A     | 0    | 8.25  | 20    | 4000  | ☐   |
| 2R  | 30   | ✓     | ☐        | 10.05  | 100   | 15.8  | .35  | 1.1 | N/A     | 0    | 8.25  | 20    | 4000  | ☐   |
| 3L  | 30   | ✓     | ☐        | 24.82  | 100   | 6     | .35  | 1.2 | N/A     | 0    | 8.25  | 20    | 4000  | ☐   |
| 3R  | 30   | ✓     | ☐        | 24.82  | 100   | 6     | .35  | 1.2 | N/A     | 0    | 8.25  | 20    | 4000  | ☐   |
| 4L  | 30   | ✓     | ☐        | 24.82  | 100   | 6     | .35  | 1.3 | N/A     | 0    | 8.25  | 20    | 4000  | ☐   |
| 4R  | 30   | ✓     | ☐        | 24.82  | 100   | 6     | .35  | 1.3 | N/A     | 0    | 8.25  | 20    | 4000  | ☐   |
| 5L  | 30   | ✓     | ☐        | 2.125  | 10.36 | 100   | 6    | .35 | 1.4     | N/A  | 7     | 20    | 4000  | ☐   |
| 5R  | 30   | ✓     | ☐        | 2.125  | 10.36 | 100   | 6    | .35 | 1.4     | N/A  | 7     | 20    | 4000  | ☐   |
| 6L  | 30   | ✓     | ☐        | 2.125  | 10.36 | 100   | 6    | .35 | 1.5     | N/A  | 7     | 20    | 4000  | ☐   |
| 6R  | 30   | ✓     | ☐        | 2.125  | 10.36 | 100   | 6    | .35 | 1.5     | N/A  | 7     | 20    | 4000  | ☐   |

Auto-ABS  2  3  4

Chamber Type  9  12  12LS  16  16LS  20  20LS  24  24LS  24XLS  30  30LS  30DD3  36

Termination  Final Speed  Time  Dist

Computation Increment  0.1 Seconds  0.033 Sec  0.01 Seconds  0.001 Seconds

Simulation ! Input Data Output Force Chart Formulae FD Analysis N

Matrix Active Remove BAT SegRun (Next) Open .TRK File Save .TRK File

10:02 AM Thursday - 22 April 2010 Click for Timer 1 Click for Timer 2

REC-TEC Platinum - [SCAM (1) - DISC/S-CAM IV Air Brake\*]

REC-TEC | Files Setup Edit Tools Vehicles Internet Help Manual Google | REC-TEC LLC

Capture Image Print Image Report Form Graphics [W/3] Vehicle Specs Cycle Windows AutoLoad [On]

**DISC/S-CAM IV** Start Temperature: 70 F % Braking: Start: 100 Final: 64.24 Average: -

| Brake | Speed | Distance | Time  | %Brake | Eff    | Brake | Speed | Distance | Time  | %Brake | Eff    |
|-------|-------|----------|-------|--------|--------|-------|-------|----------|-------|--------|--------|
| 1     | .00   | 505.72   | 11.89 | 4.16   | 100.00 | 13    | .00   | 505.72   | 11.89 | 2.25   | 54.12  |
| 2     | .00   | 505.72   | 11.89 | 2.66   | 63.98  | 14    | 50.00 | 50.60    | .69   | -11    | -2.41  |
| 3     | .00   | 505.72   | 11.89 | 2.66   | 63.98  | 15    | .00   | 505.72   | 11.89 | 3.30   | 79.32  |
| 4     | .00   | 505.72   | 11.89 | 2.66   | 63.98  | 16    | .00   | 505.72   | 11.89 | 3.30   | 79.32  |
| 5     | .00   | 505.72   | 11.89 | 3.38   | 81.34  | 17    | .00   | 505.72   | 11.89 | 3.25   | 78.10  |
| 6     | .00   | 505.72   | 11.89 | 3.24   | 77.83  | 18    | .00   | 505.72   | 11.89 | 3.25   | 78.10  |
| 7     | .00   | 505.72   | 11.89 | 3.35   | 80.40  | 19    | .00   | 505.72   | 11.89 | 3.30   | 79.21  |
| 8     | .00   | 505.72   | 11.89 | 1.41   | 34.06  | 20    | .00   | 505.72   | 11.89 | 3.30   | 79.21  |
| 9     | .00   | 505.72   | 11.89 | 4.16   | 100.00 | 21    | .00   | 505.72   | 11.89 | -11    | -2.41  |
| 10    | .00   | 505.72   | 11.89 | 4.16   | 100.00 | 22    | .00   | 505.72   | 11.89 | 4.16   | 100.00 |
| 11    | .00   | 505.72   | 11.89 | -11    | -2.41  | 23    | .00   | 505.72   | 11.89 | 3.30   | 79.26  |
| 12    | .00   | 505.72   | 11.89 | -11    | -2.41  | 24    | .00   | 505.72   | 11.89 | 3.30   | 79.26  |

10:03 AM Thursday - 22 April 2010 Click for Timer 1 Click for Timer 2

Disc/S-Cam IV Air Brake with Matrix Inputs -- Coming to a computer near you in 2010  
[www.REC-TEC.com](http://www.REC-TEC.com) 321-639-7783 EMAIL: [rec-tec@rec-tec.com](mailto:rec-tec@rec-tec.com)