Type 1

TP 201

SEATING OPTION H: (5) AMBULATORY PASSENGERS, (1) MOBILITY AID PASSENGER, AND THE DRIVER

₵ REAR AXLE

₵ FRONT AXLE

25

65

121

+Y
+X
+M

LOADED WEIGHT CALCULATIONS

$\Sigma M_{CLR} = 0$

$150(65) + (250-100)(65) + 300(25) + 2572(121) - F_{YF}(121) = 0$

$F_{YF} = 2795\#$

$\Sigma F_y = 0$

$150(5) + (250-100)(1) + 2572 + 2361 - 2795 - F_{YR} = 0$

$F_{YR} = 3037$

REQUIRED CAPACITIES
LOADED GVW = 5832
LOADED GAW FRONT = 2795
LOADED GAW REAR = 3037

NOTES / DEFINED VARIABLES

ALLOWABLE WEIGHTS
OEM GVWR = 6050#
OEM FRONT GAWR = 2950#
OEM REAR GAWR = 3100#

MODIFIED EMPTY WEIGHTS (INCLUDES 2ND ROW FLIP SEAT)
TOTAL VEHICLE = 4933#
FRONT AXLE = 2572#
REAR AXLE = 2361#

WHEEL BASE = 121"
AMBULATORY PASSENGER = 150#
MOBILITY AID PASSENGER = 250#
REMOVABLE FRONT PASSENGER SEAT = 100#

NOTE: THESE ARE APPROXIMATE WEIGHTS ONLY.
(ACTUAL WEIGHTS MAY VARY WITH VEHICLE.)
WEIGHTS FROM VIN #2C7WDGBGXKR605754

TOLERANCES:
(UNLESS OTHERWISE SPECIFIED)
DECIMAL DIMENSIONS: .XXX = ±.010
.XX = ±.030
.X = ±.060
FRACTIONAL DIMENSIONS = ±1/32
ANGULAR DIMENSIONS = ±1°
NOTE: DEBURR ALL SHARP CORNERS

			DESIGN/APPR.		
			MDL		
			DRAWN	PJF	
			DETAIL CHK.		

REQ. BY	LET.	REVISION	ECN NO.	REV. BY	DATE	SCALE 1"=32"	DATE 9/11/19	P/N

BRAUN RT ADA SE - ARKANSAS 2019

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