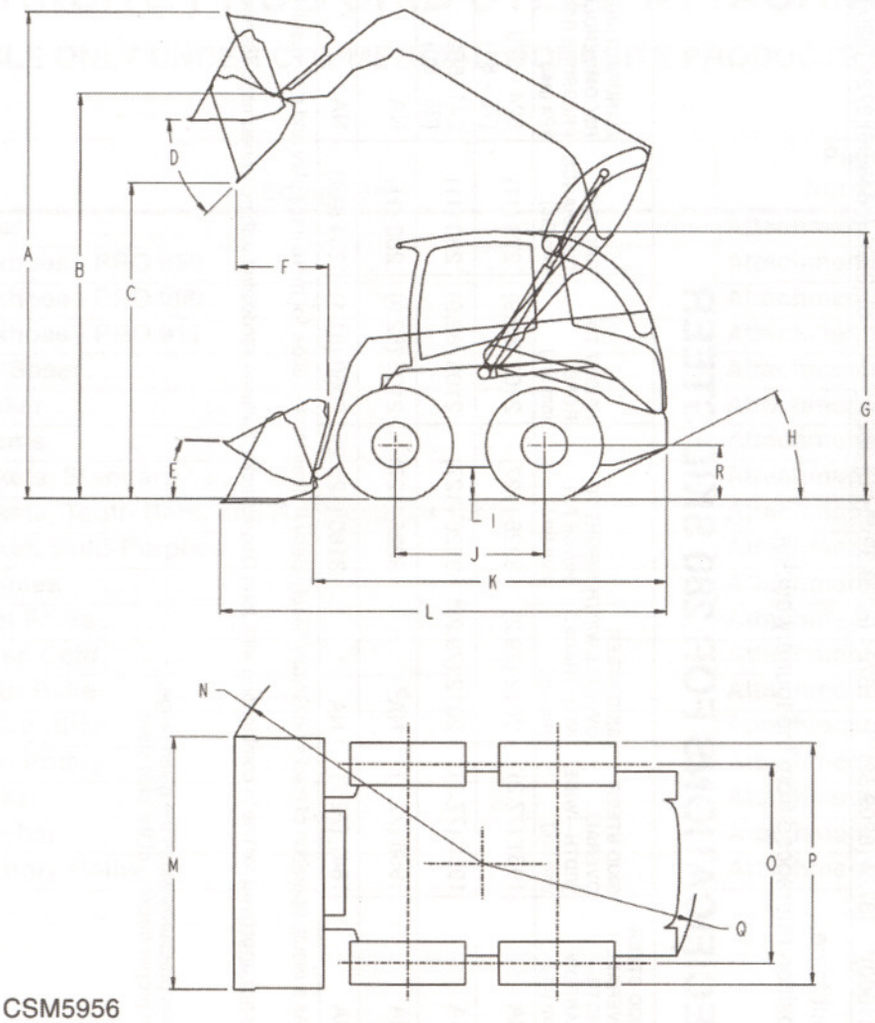
SPECIFICATIONS

280

Engine:	
Make	John Deere
Model	4045T
Type	Diesel
Cylinders	4
Bore	106 mm (4.17-in.)
Stroke	127 mm (5-in.)
Displacement	4.5 L (276 cu. in.)
Gross horsepower (SAE J1940)	67.1 kW (90 hp) @ 2400 rpm
Net horsepower (SAE J1940)	63.4 kW (85 hp) @ 2400 rpm
Torque rise	25%
RPM, rated	2400
RPM, slow (no load)	1000
RPM, fast (no load)	2525
Lubrication	Full pressure
Crankcase capacity (with filter)	12 L (12.7 qt.)
Cooling system	Liquid
Coolant capacity radiator and block	13.4 L (14.2 qt.)
Air filter type	Dry paper with primary and secondary elements
Electrical:	
Type of starter	4.2 kW Valeo
Battery voltage	12 V
Battery reserve capacity at 27°C (80°F)	180 minutes
Battery cold cranking amps at -18°C (0°F)	950
Charging system	55 amp alternator
Fuel System:	
Fuel	Diesel #2
Capacity	91 L (24 gal.)
Fuel delivery	Rotary injection
Fuel shut-off	Fuel shutoff solenoid in injection pump
Powertrain:	
Type	Variable displacement
Brakes	Wet disk on hydrostatic motorshaft—SAHR (spring-applied/ hydraulic-release)
Steering:	
Type	Servo-controlled hydrostatic
Hydraulics:	
Main system relief pressure	21374 kPa (3100 psi)
Hydraulic pump (standard flow)	106 lpm (21.3 gpm)
Hydraulic pump (high flow)	157 lpm (41.5 gpm)
Hydraulic valve	3-spool open center
Hydraulic system capacity	34.1 L (9 gal.)
Built-in boom locks	Yes
Self-leveling	Optional - hydraulic
Cushioned down boom and raise cylinders	Standard
Performance:	
SAE rated operating capacity	1451 kg (3200 lb.)
SAE rated operating capacity with counter-weights	1591 kg (3500 lb.)
SAE breakout force (bucket)	5262 kg (11,600 lb.)
SAE breakout force (boom)	3016 kg (6650 lb.)
Ground speed:	
Single speed	11.3 km/h (7.0 mph)
Low range (dual speed)	11.3 km/h (7.0 mph)
High range (dual speed)	19.3 km/h (12.0 mph)
Axle torque	9038 N•m (6666 lb-ft)
SAE operating weight	4173 kg (9200 lb.)
SAE tipping load	3175 kg (7000 lb.)

DIMENSIONS



CSM5956

	280
A. Overall Operating Height - mm (in.).	4000 (157.5)
B. Height to Hinge Pin - mm (in.).	3226 (127)
C. Dump Height - mm (in.).	2591 (102)
D. Dump Angle - degrees.	45
E. Bucket Rollback - degrees.	35
F. Dump Reach - mm (in.).	813 (32)
G. Height to ROPS - mm (in.).	2105 (82.9)
H. Angle of Departure - degrees.	27
I. Ground Clearance - mm (in.).	241 (9.5)
J. Wheelbase - mm (in.).	1235 (48.6)
K. Overall Length less Bucket - mm (in.).	2921 (115)
L. Overall Length with Bucket - mm (in.).	3504 (138)
M. Overall Width with Bucket - mm (in.).	1981 (78)
N. Turning Radius (Front) - mm (in.).	2126 (83.7)
O. Wheel Tread - mm (in.).	1589 (62.6)
P. Overall Width less Bucket - mm (in.).	1961 (77.2)
Q. Turning Radius (Rear) - mm (in.).	1752 (69)
R. Height to Axle Center Point - mm (in.).	447 (17.6)

Notes:

1) *Performance based on skid steer equipped with 14.00 x 17.5 SKS Hauler (280) tires, auxiliary boom hydraulics, 78-in. heavy-duty foundry bucket, full fuel tank, and 75 kg (165 lb.) operator per SAE Standard J732.*
2) *Various dimensions for skid steers equipped with non-standard buckets or tires can be found in the chart at the end of this section.*