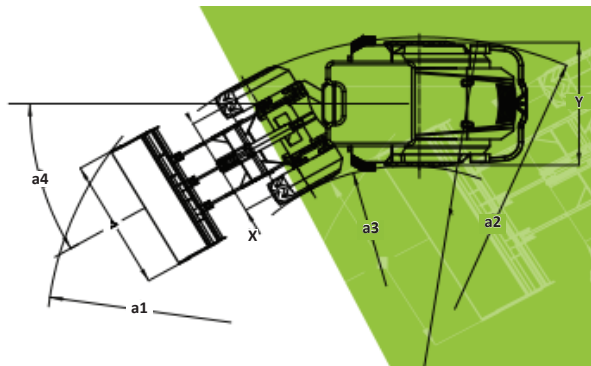
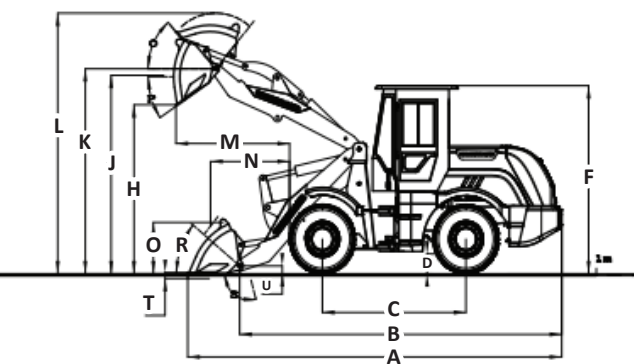
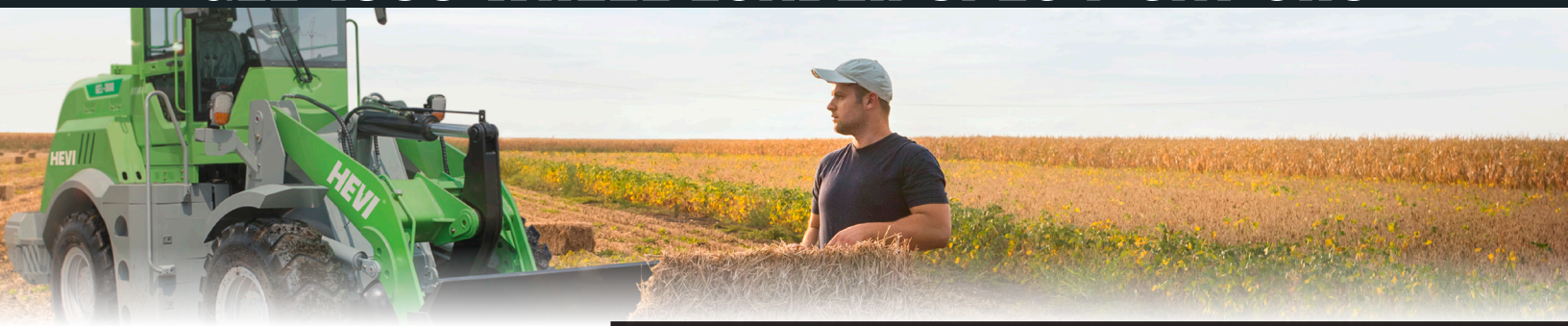


# GEL-1800 WHEEL LOADER SPECIFICATIONS



Model	GEL 1800
B	17' 4" / 5280 mm
C	7' 8" / 2350 mm
D	11" / 300 mm
F	9' 7" / 2910 mm
G	2' 8" / 800 mm
J	10' 1" / 3070 mm
K	10' 5" / 3170 mm
O	34°
P	49°
R	40°
S	105°
U	5" / 130 mm
X	5' 3" / 1600 mm
Y	6' 6" / 1970 mm
a2	18' 1" / 5510 mm
a3	10' 2" / 3100 mm
a4	± 30°
Capacity heaped	1.31 yd3 / 1 m3
Material density	3034 lb/yd3 / 1800 kg/m3
Static tipping load, straight (ISO / DIS)	8378 lb / 3800 kg
Static tipping load, full turn 38° (ISO / DIS)	7937 lb / 3600 kg
Hydraulic lifting capacity, MAX	35 lbf
Breakout force	47 KN / 10566 lbf
A - Total length	20' 1" / 6130 mm
L - Lift height, MAX	13' 3" / 4040 mm
V - Bucket Width	6' 10" / 2080 mm
a1 - Clearance circle	18' 10" / 5490 mm
T - Digging depth	3" / 84 mm
H - Dump height	8' 6" / 2610 mm
M - Reach at max. height	6' 1" / 1860 mm
N - Reach, MAX	1300 mm / 4' 3"

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# SPECIFICATIONS, CONT.

<b>BASICS</b>	Electric Drive Motor(Rated Power)	102 hp / 75 kW		
	Electric Working Motor(Rated Power)	40.8 hp / 30 kW		
	Loading Capacity	3,968 lbs / 1,800 kg		
	Operating Weight	11,464 lbs / 5,200 kg		
	Battery Capacity	140.95 kWh		
	Battery Voltage	618.24 V		
	Steering Angle	± 30°		
	Maximum Dumping Height (at angle of 45°)	8 ft / 2,450 mm		
	Maximum Dumping Distance (at angle of 45°)	2.79 ft / 850 mm		
	Maximum Travel Speed	16 mph / 26 km/h		
<b>ELECTRICAL SYSTEM</b>	Battery Type	LiFePo4		
	Battery Voltage	618.24 V		
	Battery Capacity (kWh)	140.95 kWh		
	Battery Capacity (Ah)	202 Ah		
	Indicative Runtime	7 - 9 Hours		
	Off Board Charging Time	12 kWh	~ 12 Hours	
		50 kWh	~ 3 Hours	
		90 kWh	~ 1.4 Hours	
	Auxiliary Battery Voltage	24 V		
	Auxiliary Battery Capacity	60 Ah		
<b>ELECTRIC MOTOR</b>	Driveline Motor type	Permanent Magnet		
	Driveline Motor Power (peak)	60 kW / 80 hp		
	Working Hydraulics Motor Type	Permanent Magnet		
	Working Hydraulics Motor Power (peak)	30 kW / 40 hp		

<b>LINKAGE</b>	Lift Cylinders	2	
	Tilt Cylinders	1	
	Life Time (Loaded)	5.5 s	
	Lowering Time (Empty)	3 s	
<b>HYDRAULIC SYSTEM</b>	Dump Time	1.5 s	
	Working Pressure, MAX	25 Mpa	
	Flow	150 L/min	
	Angle of Oscillation	± 8°	
<b>DRIVETRAIN</b>	Travel Speed, forward/reverse	16.16 mph / 6.21 mph (26 km/h / 10km/h)	
	Track	1480 mm	
	Four-Wheel Drive	YES	
	Grade Ability	57%	
<b>TIRES</b>	Size	16/70-20PR	
	Steering Cylinders	2	
<b>STEERING SYSTEM</b>	Working Pressure	16 Mpa	
	Maximum Flow	15 L/min	
	Maximum Articulation	± 30°	
	Hydraulic Tank	40 L	
<b>SERVICE REFILL</b>	Transmission Oil	18 L	
	Front Axle Oil	5.5 L	
	Rear Axle Oil	5.5 L	
	Sound Pressure level in cab according to ISO 6396:	LpA 73 dB	
<b>SOUND LEVEL</b>	External Sound level according to ISO 6395: and EU Noise Directive 2000/14/EC	LwA 86 dB	