



## 220


INNOVATION ELECTRIFIED.




**Li**  
LITHIUM

  
GAS & DIESEL

MULTIPLE DRIVELINE  
OPTIONS



SINGLE OPERATOR



STATE-OF-THE-ART  
SPRAYING & BLENDING



WIRELESS DATA  
TRANSFER AND  
REMOTE DIAGNOSTICS



# SAFEAERO™ - 220

Streamline the deicing process with the only true single-operator deicer in the industry, the Safeaero 220. Choose from multiple powertrain options, including Samsung SDI lithium and diesel giving you the chance to tailor the deicer to your specific needs.

Stay connected and ahead of the game with wireless data transfer and remote diagnostics, enabling real-time monitoring and swift adjustments to enhance performance. The Safeaero 220 is equipped with automotive steering for effortless navigation. A powerful ground gun and 32 ft (10 m) hose reel ensure precise and effective deicing operations. Embrace complete control with the 4-mode nozzle control system, tailoring the spray pattern to meet diverse aircraft requirements.



	LITHIUM	DEUTZ TCD 4.1 L4 DIESEL TIER IVF
<b>CHASSIS POWER</b>		
Drive Train	High torque, low speed AC electric motor (liquid cooled)	N/A
Transmission	Direct drive	N/A
Displacement	N/A	4.7 L (250 CID)
Net Brake hp at Governed RPM	400 kW / 3500 rpm (maximum)	154 (115kW)
Torque	3,500 Nm (max)	610 Nm (450 lb ft)
Battery Voltage	800VDC Max	N/A
Battery Type	Thermally managed lithium NMC	N/A
Battery Capacity	218kWh	N/A
Charging Capability	22kW AC on-board charger 120kW DC fast charge	N/A
Charge Socket	120kW DC fast charge	N/A
EPA Tier/Certification Level	N/A	Tier 4F / Stage V
Engine	N/A	Deutz TCD 4.1 L4 Diesel
Type	N/A	Water-Cooled, In-Line, 4 Cylinder, Turbocharged with Intercooler
Fuel	N/A	Diesel
Governed RPM with Full Load	N/A	2,300
<b>DIMENSIONS</b>		
Width	9.3' (2.85 m)	
Length (w/o Hitches)	27.1' (8.25 m)	
Height	11.5' (3.5 m)	
Maximum Height of Nozzle Above Ground	65.6' (20 m)	
Maximum Nozzle Swing Reach Left/Right	45.9' (14 m)	
Nozzle Telescope Arm Length (From Center of Cabin)	13.1' - 27.2' (4 - 8.3 m)	
Nozzle Turning Up/Down	+70°-120°	
Nozzle Turning Left/Right	± 90°	
Maximum Cabin Rotation	± 90°	
Boom Rotation	± 30°	
Weight (without fluid)	39,683 lbs to 43,652 lbs (18,000 kgs to 19,800 kgs)	
Maximum Eye Height of Operator	47.6' (14.5 m)	
Wheel Base	12.5' (3.8 m)	
Turning Radius - (Measured from Center Tread of Front Wheels)	23.6' (7.2 m)	
Ground Clearance	8.4" (200 mm)	
<b>PERFORMANCE</b>		
Driving Speed	25 mph (40 km/h).	
Driving Speed with Raised or Extended Boom	4 mph (6 km/h)	
Wind Stability - Max Velocity Wind Speed	46 mph (20.6 m/sec)	
Cabin Maximum Load	452 lbs (205 kg)	
Tank Capacity (1, 2 or 3 Tank Version) without heater	2,232 gal (8,450 L)	
Tank Capacity (1, 2, or 3 Tank Version) with heater	1,902 gal (7,200 L)	
Pumping Capacity (Control Range)	Deicing Flow Rate 11 to 58 gpm (80 to 220 l/min) Anti-Icing Flow Rate 8 to 26 gpm (30 to 100 l/min)	
Fluid Heating System (Optional)	Diesel Heater 870 kW Electrical Heater 13.5 to 27 kW	
Forced Air System (Optional)	Airflow approx. 1177 cfm (2000 m3/h)	
CE Certified	Yes	



Specifications are subject to change without notice. Models shown may include optional features.  
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