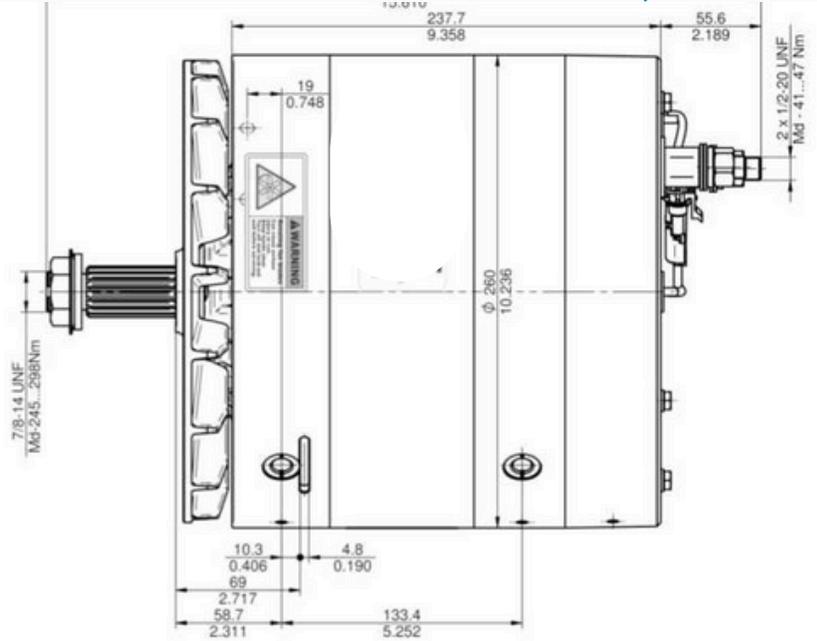
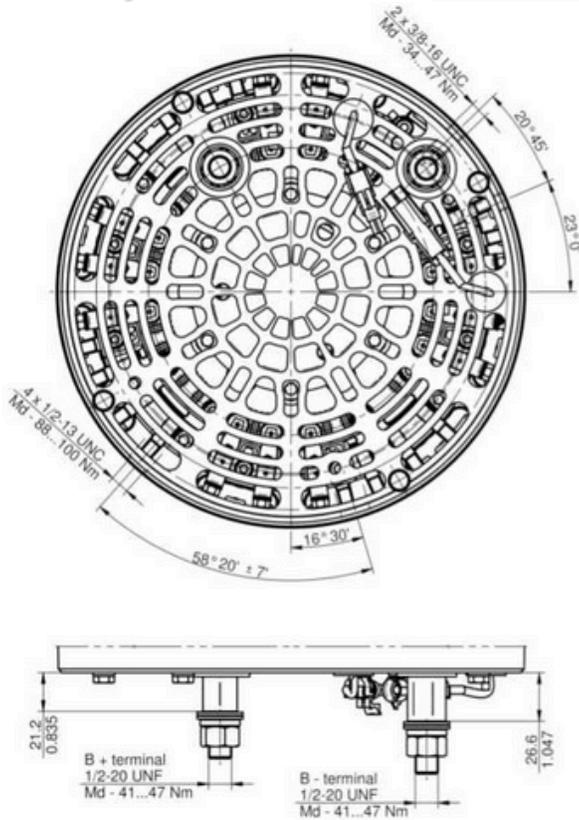


48V / 300A

Cradle

Ductless



Part Number: AA125

Ductless with noise suppression filter

HEAVY DUTY BRUSHLESS ALTERNATOR

- The compact Heavy Duty brushless alternator, is an innovative power generating system, best suited for applications demanding high output at low rpm.
- Thanks to the progressive hairpin stator technology and the high precision assembly process, this alternator is capable of reaching efficiency levels of over 85%.
- The impressive output at engine idle makes this alternator a natural choice for a wide range of transit vehicles.

- High output at @2000 RPM
- Hairpin Stator
- High Efficiency over 85,0 %
- Low Inertia Advantage
- Low RPM Turn On

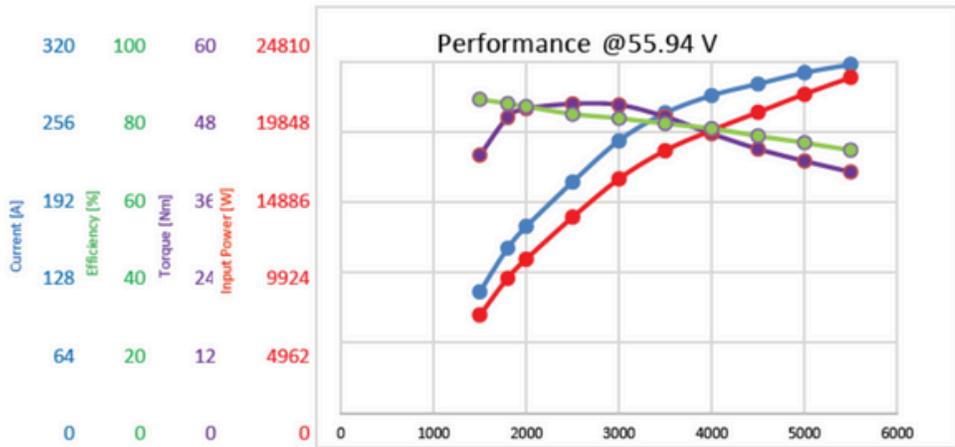
- Air Cooled Alternator
- Robust construction
- Easy Installation
- Long bearing life
- Industry Std Mounting & Electrical Interface
- Ground isolated



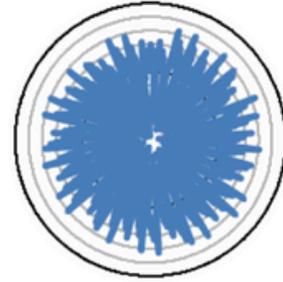
Applications

- **Transit Bus • Construction • Fire & Rescue • Agriculture • Military • Mining**
- **Marine & Rail (E.I.P. Compliant)**

Performance Curve



Ripple Current @ 2500 RPM



TEST DATA

Speed [RPM]	1,500	1,800	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Load Current [A]	110.5	150.2	170.0	210.7	248.4	273.7	289.5	300.1	310.3	317.8	324.1
Ripple Current [A]	5.9	7.5	9.6	10.3	16.2	18.2	21.2	27.2	26.7	28.6	31.3
Torque [Nm]	44.1	50.6	52.0	52.9	52.7	50.7	47.7	45.2	43.1	41.2	39.8
Input Power [W]	6,919.6	9,527.5	10,889.2	13,839.3	16,545.3	18,557.4	19,987.1	21,266.4	22,548.1	23,734.7	24,975.9
Output Power [W]	6,181.2	8,404.7	9,511.0	11,786.5	13,892.9	15,312.7	16,199.1	16,788.8	17,362.3	17,780.0	18,133.4
Efficiency [%]	89.35	88.23	87.35	85.18	83.98	82.53	81.06	78.96	77.01	74.92	72.61

ERROR CODES

--	--	--	--	--	--	--	--	--	--	--	--

Specifications

System Voltage	48V	Mounting	Cradle Style 6000
Rated Output:	300A	Speed limits:	RPM
Output @ 2000 rpm:	170A	Weight:	44 kg
Temperature limits:	-Low: -40°C / -High: 125°C	Regulator:	Remote
Turn on speed:(RPM)	1200	Rotation:	Both. CCW fan is optional