

HIGH AMP BRUSHLESS SERIES

BLP High Amp Brushless Alternators

The Leece-Neville brushless high amp alternators are designed with long life and efficiency in mind. Brushless design means there are no brushes to wear down. Hairpin stator technology allows for extreme output and extreme efficiency.

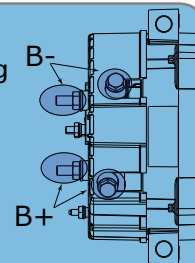


Features & Benefits

- **125°C Temperature Rated**
Our alternators continue to provide power at their maximum rated temperatures
- **E-Coated Housing**
For maximum corrosion resistance
- **Remote Sense Compatible**
Can be used on remote sense applications to optimize alternator output and increase battery life.
- **Dual Positive and Negative**
- **Lamp Driver Feature**
High or low side driver for varied lamp driver applications
- **Heavy Duty Housing Design**
To withstand extreme applications and vibration
- **ADC™ Bearing Protection**

Part Number	Volts	Amps	Mount
BLP4005H	12	220	Pad
BLP4007H	12	240	Pad
BLP4002H	12	325	Pad
BLP4004H	12	350	Pad

Designed with dual cable terminals (B+ and B-), facing both laterally and axially so that cables can be easily connected regardless of the application.

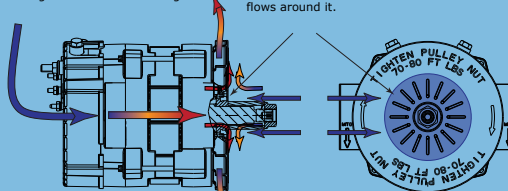


The patented **Auxiliary Draft Cooling** design of the fan and front housing assembly work together to keep the front bearing up to **10°C** cooler than traditional external fan designs.

In traditional alternators, cool air flows in only from the back of the unit.

This air is hot by the time it gets to the front bearing.

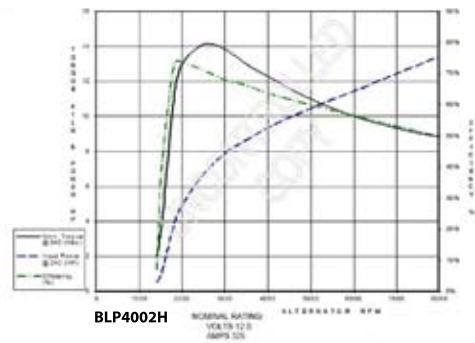
ADC™ allows cool air to enter from the front of the fan, so that the bearing is cooled as this fresh air flows around it.



Cool air can flow around bearing, keeping it cooler for a longer life.

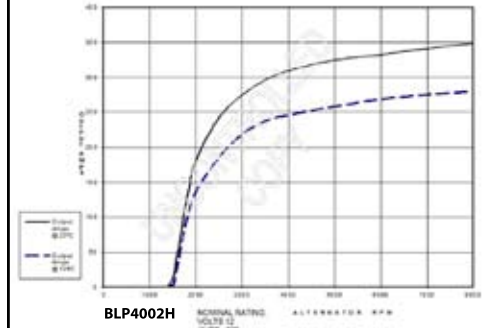
BLP High Amp Alternator Performance Curves

Leece-Neville Heavy Duty Systems Torque & HP Curves

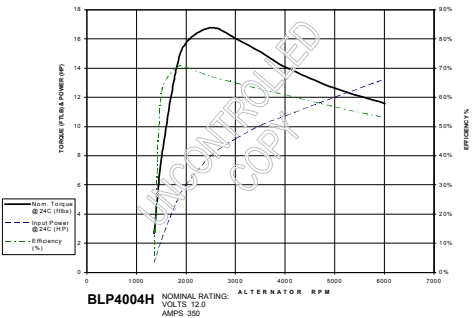


BLP4002H

Leece-Neville Heavy Duty Systems Output Curves

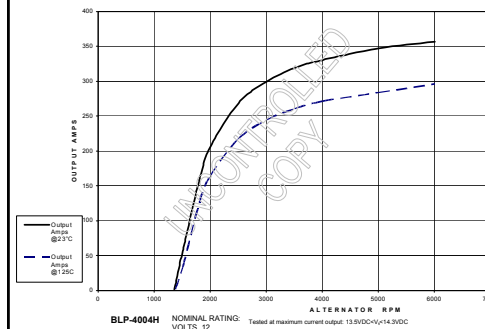


Leece-Neville Heavy Duty Systems Torque & HP Curves

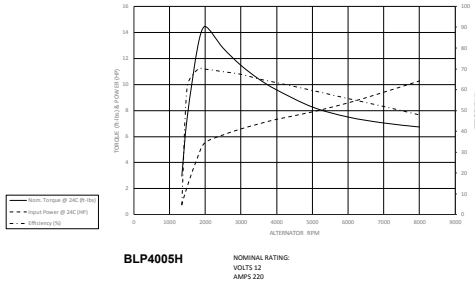


BLP4004H

Leece-Neville Heavy Duty Systems Output Curves

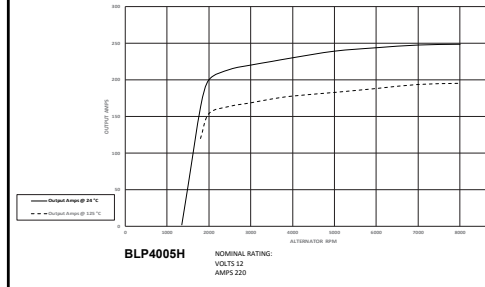


Leece-Neville Heavy Duty Systems Torque & HP Curves

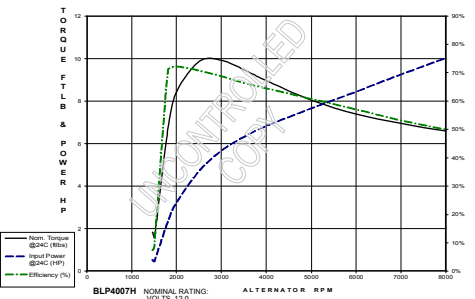


BLP4005H

Leece-Neville Heavy Duty Systems Output Curves

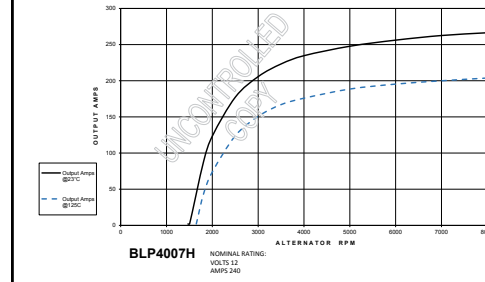


Leece-Neville Heavy Duty Systems Torque & HP Curves

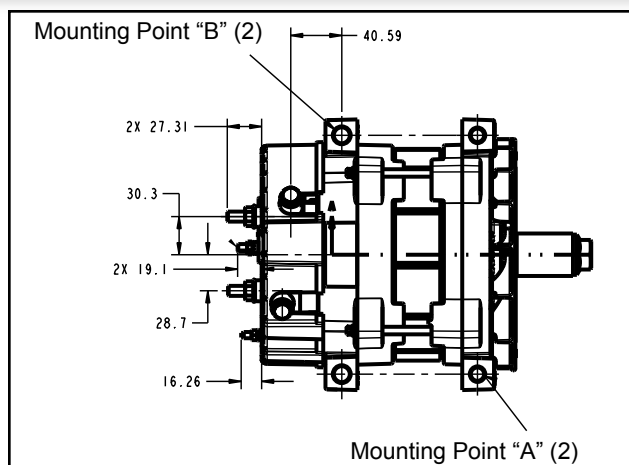


BLP4007H

Leece-Neville Heavy Duty Systems Output Curves



Specifications



Specifications	Brushless Alternator			
Model No.	BLP4005H	BLP4007H	BLP4002H	BLP4004H
Mount	PAD	PAD	PAD	PAD
Sales No.	BLP4005H	BLP4007H	BLP4002H	BLP4004H
Mounting Points: A	12.17	12.17	12.17	12.17
(see outline) B	12.7	12.7	12.7	12.7
Output, Stabilized:				
6000 RPM @ 25C	242	256	332	357
6000 RPM @ 125C	185	195	269	296
2000 RPM @ 25C	202	124	183	207
2000 RPM @ 125C	157	74	138	165
Temperature Range	-40 C to 125 C / -40 F to 257 F			
Rotation Direction	CW	CW	CW	CW
Fan Diameter	170.3	170.3	170.3	184.0
Max. Continuous RPM	8000	8000	8000	8000
Excitation Type	Self-Excite	Self-Excite	Self-Excite	Self-Excite
Lamp Circuit Capacity				
Ground	Insulated	Insulated	Insulated	Insulated
Regulator Type	Internal	Internal	Internal	Internal
Recommended Pulley Ratio	2:1 to 3:1			
Weight (lbs.)	37	37	37	37
Terminal Size: B+	M8	M8	M8	M8
B-	M8	M8	M8	M8
L Terminal	M5	M5	M5	M5
Remote Sense	M5	M5	M5	M5
Overall length	278.1	278.1	278.1	284.1
Notes:				
Dual Positive and Negative Connections.				
E-Coated housing				
ADC TM Bearing Protection				

Dimensions

