



Why DENSO Heavy Duty?

- Largest Starter and Alternator Manufacturer in the World
- Over 50 Years of Experience
- Extensive Service and Training Programs
- Durability and Reliability Means Lower Life Cycle Cost
- Best Warranty in the Business
- Smallest & Lightest Units in the Industry



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www.DensoHeavyDuty.com

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HE-4200-01728



YOUR ULTIMATE FLEET SOLUTION
COAST TO COAST





Features and Benefits of DENSO's R5.0 Starter

- Lighter weight and smaller size compared to DENSO's PS.0 (over 15 lbs lighter), while providing the same power. Significantly lighter than competitor designed units.
- High durability for the most demanding applications
- High torque for maximum starting power (improved cold start-ability): 63 Nm of torque; highest in the industry
- Now available in 4 part numbers, offering precision fit and function
- Smooth engagement for improved durability of pinion and ring gear
- Torque limiter feature to prevent ring gear/drive train breakage.
- **Warranty: 3 years / 350,000 miles**



Features and Benefits of DENSO's Brushless Alternator



- Tested to endure heat producing engines of today and tomorrow.
- Long-life brushless design
- Heavy-duty front and rear bearings
- Corrosion resistant rectifier and rotor
- Heat resistant windings
- Non-soldered connections for easier service
- Compact and lightweight design
- One wire connection
- Load dump protection
- SAE J180 and Padmount
- **Warranty: 3 years / 350,000 miles**

DENSO Heavy Duty Starters & Alternators

DENSO Heavy Duty parts are precision built for the long haul. Our R5.0 starter weighs only 23 lbs and features high torque for maximum starting power. Our alternator is tested to endure the heat producing engines of today and tomorrow. Both are fleet tested over millions of miles to deliver the most dependable products in the world.

Quality, durability, reliability and performance.
Make your choice DENSO Heavy Duty products.



Specifications

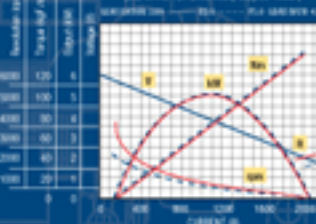
- 12V 5.0 KW
- Weight - approximately 23 lbs.
- Pinion: DP6 10 tooth and M3 12 tooth
- Rotation: Clockwise
- Mount: SAE #3

R5.0 STARTER RECOMMENDATION CHART

TYPE	ENGINE DISPLACEMENT
Overhead Injection Gear Type	R5.0

R5.0 OUTPUT PERFORMANCE

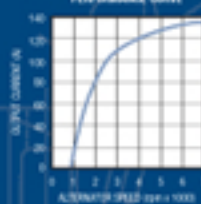
SAE J1448 J1449 J1450 J1451 J1452 J1453 J1454 J1455 J1456 J1457 J1458 J1459 J1460 J1461 J1462 J1463 J1464 J1465 J1466 J1467 J1468 J1469 J1470 J1471 J1472 J1473 J1474 J1475 J1476 J1477 J1478 J1479 J1480 J1481 J1482 J1483 J1484 J1485 J1486 J1487 J1488 J1489 J1490 J1491 J1492 J1493 J1494 J1495 J1496 J1497 J1498 J1499 J1500



Specifications

- Rated Voltage and Rated Output: 12V - 130A
- Initial Output Starting RPM: 2000 rpm max
- Allowable Max RPM: 10,000 rpm
- Allowable Belt Load: 980N max
- Polarity: Negative - Case Grounded
- Rotation: Clockwise (viewed from pulley end)
- Regulated Voltage: 14.0 - 14.4V at 5000 rpm 10A and 25°C
- Approximate Weight: 22.9 lbs

PERFORMANCE CURVE



Options

- B-Terminal
- Threaded
- 5/16" or 1/4"
- R-Terminal
- Threaded
- 3mm pin
- I-Terminal
- Threaded
- w/o Terminal
- Also Available
- 12 Volt 90/105 Amp