



## 24V PLANETARY GEAR REDUCTION STARTERS FROM THE WORLD'S LARGEST STARTER MANUFACTURER



### DESIGNED FOR YOUR TOUGHEST APPLICATIONS

For 35 years, the biggest names in engine manufacturers have chosen one name in cranking power — DENSO. As the world's largest starter manufacturer, our starters simply install faster and perform better under rigorous conditions. The DENSO commitment to quality, durability, performance and innovation is the reason our components are truly better by design.



## SPECIFICATIONS

- 24V 8.0 kW (10.7 HP)
- Mount: SAE #3
- 180° Housing Opening for Flywheel
- Rotation: Clockwise

## FEATURES / BENEFITS

- Compact and lightweight design (only 38 lbs) for ease of installation and reduction of total vehicle weight
- High torque for maximum starting power (improved cold start-ability)
- Nose cone is rotatable for increased application flexibility (8 position)
- Soft engagement for improved durability of pinion and ring gear
- Needle bearing in drive-in end and ball bearing in commutator end for long life operation
- ISS relay kit available for increased starter system circuit reliability
- **Warranty: On-road: 3 years / 350,000 miles**  
**Off-road: 1 year / unlimited hours**

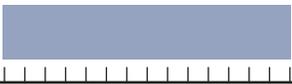
## PART NUMBERS

- 428000-1450  
Pinion: 12 tooth (DP6/8)  
(Crosses with competitor's 11 tooth big gear design)
- 428000-1441  
Pinion: 13 tooth (DP8/10)  
(Crosses with competitor's 12 tooth small gear design)

## APPLICATIONS

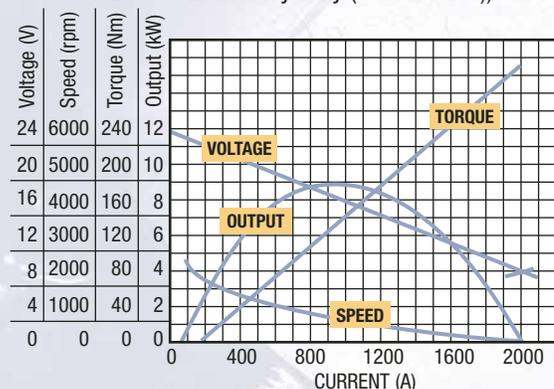
- Transit Bus
- Coach
- Off-road Equipment  
Loaders  
Cranes

## P8.0 STARTER RECOMMENDATION CHART

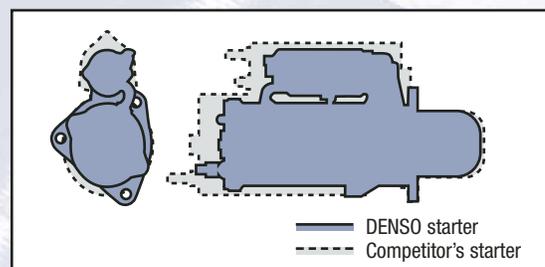
TYPE		ENGINE DISPLACEMENT
Planetary Reduction Gear Type	24V P8.0	
		10 12 14 16 18 20 22 24

## P8.0 STARTER OUTPUT PERFORMANCE

SAE J544 24V Heavy Duty (1000A - 16V)



## SIZE COMPARISON



Karam A.L.  
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