



# 39MT™

## HEAVY-DUTY GEAR REDUCTION STARTER

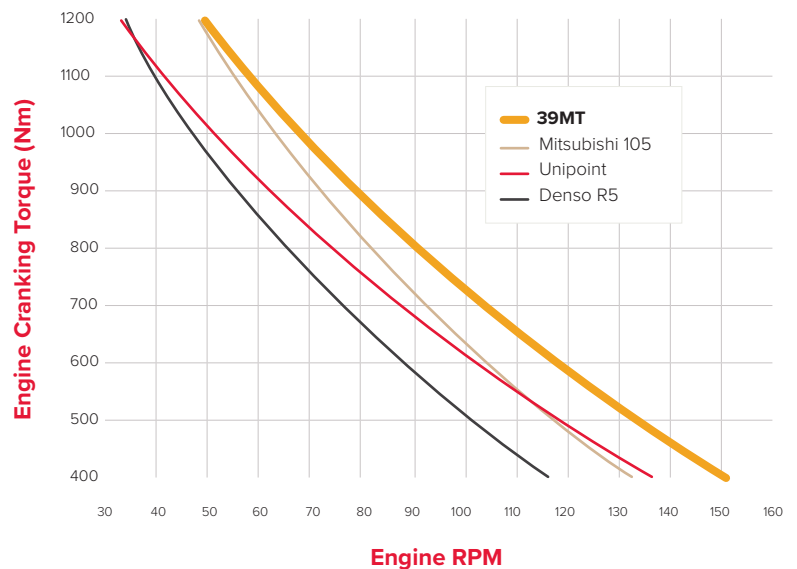
CRANKS UP TO  
**30% FASTER**  
THAN THE  
COMPETITION



### FEATURES & BENEFITS

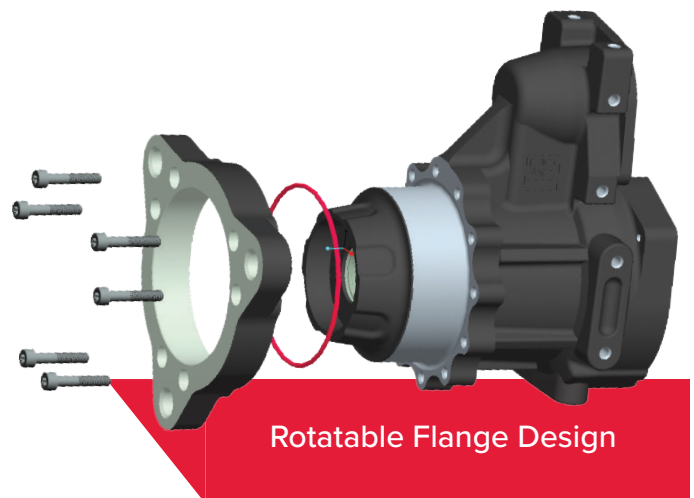
- New service models come standard with **Over Crank Protection (OCP)**. OCP monitors the internal temperature and prevents thermal damage to the starter by preventing overcranking.
- These models feature an **Integral Magnetic Switch (IMS)**. IMS reduces voltage drop and ensures the solenoid receives the maximum available voltage in any starting condition.
- **Rotatable flange models** were designed to improve service flexibility and part number consolidation. They easily replace competitive units and provide full industry application coverage.

### COMPETITIVE COMPARISON



### SPECIFICATIONS

|                  |                                                                       |
|------------------|-----------------------------------------------------------------------|
| Engine Size      | 12 V up to 16 Litres<br>24 V up to 16 Litres                          |
| Rotation         | Clockwise                                                             |
| Mounting         | 12 V: SAE #1, SAE #3<br>24 V: SAE #3                                  |
| Pinion Data      | 11 Tooth, 6-8 Pitch<br>12 Tooth, 8-10 Pitch<br>12 Tooth, Mod 3-metric |
| Output           | 12 V peak at 7.3 kW<br>24 V peak at 9.0 kW                            |
| Weight           | 14 kg                                                                 |
| Diameter         | 114 mm                                                                |
| Heavy-Duty Drive | Electrical Soft-Start Engagement<br>System Overrunning Clutch         |



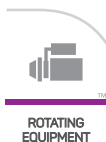
| OEM                                      | ENGINE                                                                                          | OE                                                                                                                   | REMAN                                                                                                  | ALL MAKES   |                      | PINION<br>PITCH/TEETH |
|------------------------------------------|-------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|-------------|----------------------|-----------------------|
|                                          |                                                                                                 |                                                                                                                      |                                                                                                        | NEW SERVICE | ROT. FLANGE          |                       |
| Freightliner<br>Sterling<br>Western Star | MBE 4000                                                                                        | 19011525, 8200082, 8200660, 8200687                                                                                  | 8300008                                                                                                | N/A         | 8200287 <sup>1</sup> | Mod 3 - 12 tooth      |
|                                          |                                                                                                 | 1901154, 8200084, 8200624, 8200690                                                                                   | 8300013                                                                                                |             |                      |                       |
|                                          | Cummins ISC, ISL                                                                                | 19011526, 8200081, 8200659, 8200688, 8200783                                                                         | 8300007                                                                                                | 8200433     | N/A                  | 8/10 - 12 tooth       |
|                                          |                                                                                                 | 19011517, 8200087, 8200625, 8200691                                                                                  | 8300015                                                                                                |             |                      |                       |
|                                          | CAT C15, Cummins ISX, ISM, Detroit S60                                                          | 19011521, 8200090, 8200091, 8200661, 8200686, 8200662                                                                | 8300009                                                                                                | 8200308     | 8200289              | 6/8 - 11 tooth        |
|                                          |                                                                                                 | 19011516, 19011518, 19011529, 19011530, 8200623, 8200627, 8200628, 8200692                                           | 8300019                                                                                                |             |                      |                       |
|                                          | Cummins ISX12 & ISX15 with Dual Input IMS DD 13/15/16 2015 and older DD 13/15/16 2016 and newer | 61000944, 61000945                                                                                                   | N/A                                                                                                    | 61013765    | N/A                  | Mod 3 - 12 tooth      |
|                                          | 8200329, 8200671, 8201022                                                                       | 8300084 <sup>2</sup>                                                                                                 | 8200434                                                                                                |             |                      |                       |
|                                          | 8201004, 61000704                                                                               | 61002714                                                                                                             | N/A                                                                                                    | 61008898    | Mod 3 - 11 tooth     |                       |
| Navistar                                 | Cummins ISX, ISM, CAT C13, C15                                                                  | 8200050, 8200091, 8200604, 8200605                                                                                   | 8300009                                                                                                | 8200308     | 8200289              | 6/8 - 11 tooth        |
|                                          | DT466, DT570, HT570, Maxxforce DT, 9, 10                                                        | 8200081, 8200659<br>8200218, 8200635<br>8200219, 8200664<br>8200360, 8200672<br>8200384, 8200639<br>8200857, 8200606 | 8300007                                                                                                | 8200433     | N/A                  | 8/10 - 12 tooth       |
|                                          | MaxxForce 11/13                                                                                 | N/A                                                                                                                  |                                                                                                        |             |                      | 8/10 - 12 tooth       |
| Kenworth Peterbilt                       | Detroit Diesel Series 60 (S60), CAT C9, C10, C11, C12, C13, C15, Cummins ISX15, ISM             | 8200050, 8200090                                                                                                     | 8300009                                                                                                | 8200308     | 8200290              | 6/8 - 11 tooth        |
|                                          |                                                                                                 | 19011529, 8200104                                                                                                    | 8300019                                                                                                |             |                      |                       |
|                                          |                                                                                                 | 8200405 <sup>3</sup> , 8200741 <sup>3</sup> , 8200742 <sup>3</sup>                                                   | N/A                                                                                                    |             |                      |                       |
|                                          | Cummins ISC, ISL                                                                                | 8200457, 8200808 <sup>3</sup> , 8200763 <sup>3</sup>                                                                 | N/A                                                                                                    | 8200433     | N/A                  | 8/10 - 12 tooth       |
|                                          | Cummins ISX12                                                                                   | 8200793                                                                                                              | N/A                                                                                                    | 8200971     | N/A                  | 6/8 - 11 tooth        |
| Mack                                     | Mack E7                                                                                         | 19011500, 19011505, 19011531, 8200037                                                                                | 8300020                                                                                                | 8200308     | 8200288              | 6/8 - 11 tooth        |
|                                          | Mack MP7                                                                                        | 8200223, 8200612, 8201074, 61003774                                                                                  | 8300059                                                                                                | N/A         | 8200468              | 8/10 - 11 tooth       |
|                                          | Mack MP8                                                                                        | 8200214, 8200572, 8200611, 8200910, 8200417                                                                          | 61002699                                                                                               |             | 8201100              | 8/10 - 12 tooth       |
|                                          | 2012 and older Mack MP8                                                                         | 8201076, 61003776                                                                                                    |                                                                                                        |             | 8201100              | 8/10 - 12 tooth       |
|                                          | 2013 and newer Mack MP10                                                                        | 8200182, 8200610, 8201072, 61003772                                                                                  | 8300061                                                                                                |             | 8200469 <sup>4</sup> | 8/10 - 12 tooth       |
|                                          | Cummins ISL, ISL-G                                                                              | 8200768, 8200625, 8201080, 8201081, 61003780, 61003781                                                               | 8300007                                                                                                |             | N/A                  | 8/10 - 12 tooth       |
|                                          | Cummins ISX 12G                                                                                 | 8200915, 8201082, 61003782, 8200793 <sup>4</sup>                                                                     | N/A                                                                                                    | 8200971     |                      | 6/8 - 11 tooth        |
|                                          | Volvo                                                                                           | Cummins ISX, ISM                                                                                                     | 19011516, 19011517, 19011530, 8200091, 8200662, 8200319, 8200820, 8201078, 8201079, 61003778, 61003779 | 8300009     | 8200308              | 8200289               |
| Volvo D11                                |                                                                                                 | 8200223, 8200612, 8201073, 61003773                                                                                  | 8300059                                                                                                | 8200468     |                      | 8/10 - 11 tooth       |
| Volvo D12                                |                                                                                                 | 8200058, 8200186, 19011515                                                                                           | 8300004                                                                                                | N/A         | 8200291              | 8/10 - 12 tooth       |
| Volvo D13                                |                                                                                                 | 8200214, 8200572, 8200611, 8200909, 8200417                                                                          | 61002699                                                                                               |             | 8201100              | 8/10 - 12 tooth       |
| 2012 and older Volvo D13                 |                                                                                                 | 8201075, 61003775                                                                                                    |                                                                                                        |             | 8201100              | 8/10 - 12 tooth       |
| Volvo D13-TC (turbo compound)            |                                                                                                 | 23877710, 24146861, 22164944, 23877708, 22172959, 61025001, 61025002, 24427887, 24427888                             | N/A                                                                                                    |             | 61022931             | 8/10 - 12 tooth       |
| Volvo D16                                |                                                                                                 | 8200182, 8200610, 8201071, 61003771                                                                                  | 8300061                                                                                                |             | 8200469 <sup>4</sup> | 8/10 - 12 tooth       |
| Cummins ISX 12G                          |                                                                                                 | 8200960, 8201083, 61003783, 8200793 <sup>4</sup>                                                                     | N/A                                                                                                    | 8200971     | N/A                  | 6/8 - 11 tooth        |
| Autocar                                  | Cummins ISX, ISM                                                                                | 8200091, 19011530                                                                                                    | 8300009                                                                                                | 8200308     | 8200289              | 6/8 - 11 tooth        |
|                                          | Cummins ISC, ISL, ISL-G                                                                         | 8200218, 8200219                                                                                                     | 8300007                                                                                                | 8200433     | N/A                  | 8/10 - 12 tooth       |
| Prevost Bus                              | 24 V Detroit S60                                                                                | N/A                                                                                                                  | N/A                                                                                                    | 8200330     | N/A                  | 6/8 - 11 tooth        |
| MCI Bus                                  | 24 V Detroit S60, Cummins ISM, CAT C12, C13                                                     | N/A                                                                                                                  | N/A                                                                                                    | 8200330     | N/A                  | 6/8 - 11 tooth        |
| Various<br>24 V                          | CAT C12, C13, C15, Cummins ISM, ISX, N14,Detroit S60, Mack E7                                   |                                                                                                                      |                                                                                                        | 8200330     |                      | 6/8 - 11 tooth        |
|                                          | Cummins ISC & ISL, Navistar DT466 & DT530, Volvo D12                                            |                                                                                                                      |                                                                                                        | 8200435     |                      | 8/10 - 12 tooth       |
|                                          | DD 13/15/16 2015 and older                                                                      |                                                                                                                      |                                                                                                        | 8200436     |                      | Mod 3 - 12 tooth      |

<sup>1</sup> Replacement may mount the engine with solenoid facing down by design.

<sup>2</sup> Replaces reman P/N 8300058.

<sup>3</sup> Integrated OCP.

<sup>4</sup> No OCP.



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