

Comparison of WDG-5 TM Vs WDG-4 TM

| Parameter | RDSO spec. for WDG-4/WDP-4B TM * (Model No. of motors below) | TM for WDG-5 (A2921-6) |
|---------------------------|---|-------------------------|
| Construction | Squirrel cage Induction | Squirrel cage Induction |
| Circuit | Y | Y |
| Nominal starting torque | 9500 Nm | 10811 Nm |
| Maximum cont. power | 485 KW min at 685 rpm | 645 KW |
| Maximum current | 270 A | 350 A |
| Maximum permissible speed | 3320 rpm | 3320 rpm |
| Gear Ratio | 17:90 | 20:91 |
| Length | 1031.00 mm | 1034 mm |
| Width | 946.00 mm | 981.00 mm |
| Weight | 2120 Kg | 2368 Kg |

***Models of traction motors:**

WDG4 Locomotive:

M/s Siemens: - 1TB2525 (New Model) & 1TB2622 (Old model)

M/s EMD:- A2916-8

M/s Yongji: - YJ157A

M/s BHEL: - IM4507BZ

Features of 2525 TMs:

- Stator with casted housing (nodular graphite iron)
- End shield only on NDE
- Shaft with conical seat for pinion
- Rotor with cage winding
- Cylindrical roller bearing, oil lubricated on DE, electrically insulated
- Deep groove ball bearing, greased for lifetime on NDE, electrically Insulated.

WDG5 Locomotive:

M/s EMD: - A2921-6