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| NO. HA 494-SPECS-01/B Sht.No. B/1 (Ring last page no.) | ENGINE SPECIFICATIONS HA 494 NA ENGINE (NATURALLY ASPIRATED) | SECT. B |  |
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SECT. B : BROAD SPECIFICATIONS.


B-1. BROAD SPECIFICATIONS OF VARIABLE SPEED ENGINE, SUITABLE FOR INDUSTRIAL AND TRACTOR APPLICATION.


| S. NO. | Parameter | Unit | Value |
|--------|--|------------|-----------------------|
| 1.1 | Bore x stroke | mm | 100 x 120 |
| 1.2 | Swept volume | CC | 3760 |
| 1.3 | Compression ratio | - | 17 : 1 |
| 1.4 | Class of governing (IS10000) | - | B Class Mechanical |
| 1.5 | Brake horse power | Hp (Kw) | 63 (46.3) |
| 1.6 | Rated speed | rpm | 2300 |
| 1.7 | Rating standard | - | ISO3046/DIN6271/BS514 |
| 1.8 | Maximum rated torque Gross | N-m at rpm | 230 Nm @ 1600 rpm |
| 1.9 | Specific fuel consumption: - at rated speed (Gross output) - at maximum torque point (Gross output) | g /hp-hr | Ref : Curve |
| 1.10 | Low idling speed (see foot note i) | rpm | 650 |
| 1.11 | High idling speed | rpm | 2500 |
| 1.12 | Dry weight - engine weight without flywheel and bell housing - weight with flywheel and SAE 3 flywheel housing | kg kg | 338 405 |

Notes :-

i) Higher low idle speed can be offered against specific requirement.

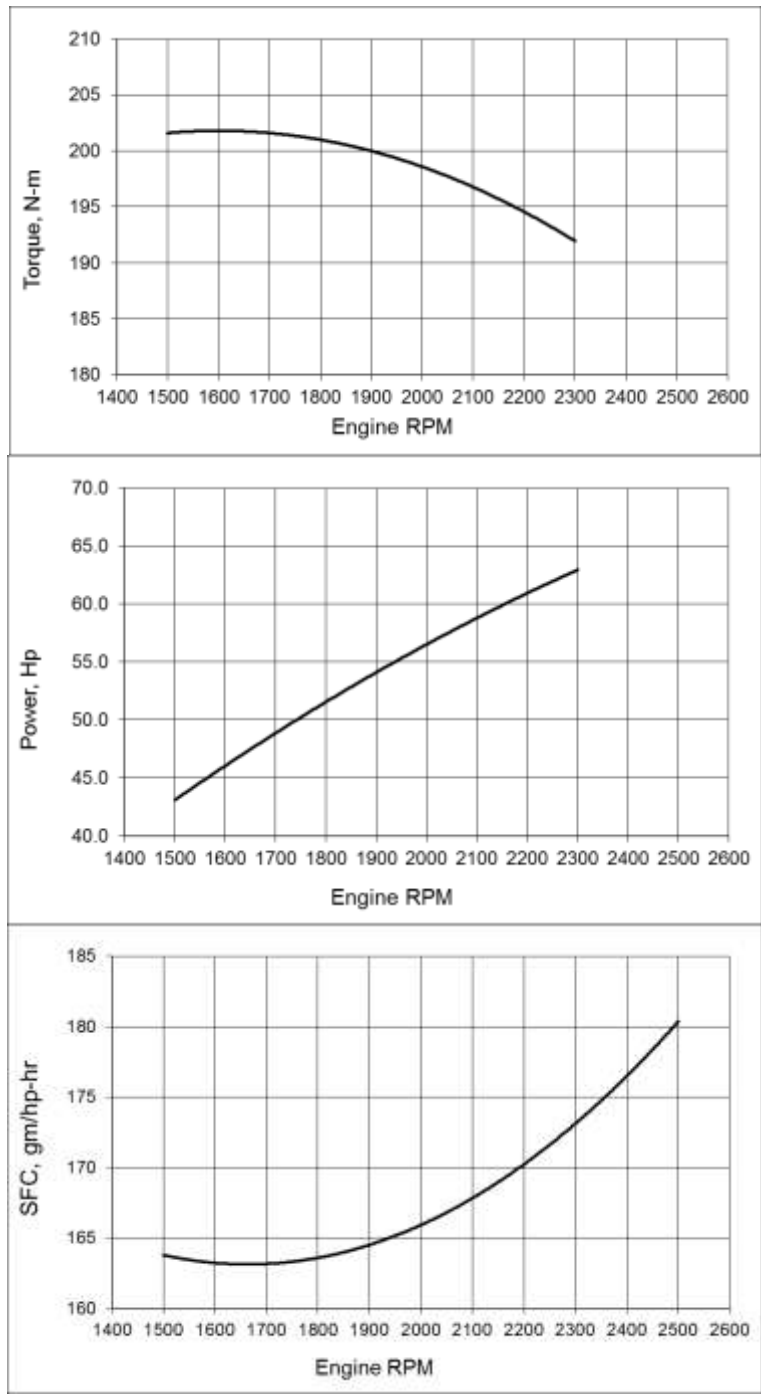
ii) Moment of inertia J ($GD^2 / 4$) of driven component rigidly coupled to crank pulley not to exceed 0.035 kgm²

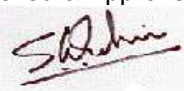
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| Prepared by PRANAV | Checked & Approved by  | Revision no. 00 | Date Aug, 2002 | Issued by KOEL R&E |
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| NO.- HA494 -SPECS-01/E Sheet No. E/1 (Ring last page no.) | ENGINE SPECIFICATIONS HA 494 NA ENGINE (NATURALLY ASPIRATED) | SECT. E |  |
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ECT. E : PERFORMANCE CURVES

E-1 : PERFORMANCE CURVE VARIABLE SPEED ENGINE, SUITABLE FOR TRACTOR APPLICATION



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