


<b>NO. HA 694T -SPECS-01/B</b>  <b>Sht.No. B/1</b>  (Ring last page no.)	<b>ENGINE SPECIFICATIONS</b>  <b>HA 694 TC ENGINE</b>  <b>(TURBOCHARGED)</b>	<b>SECT.</b>  <b>B</b>	
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**SECT. B : BROAD SPECIFICATIONS.**

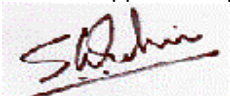
**B-1. BROAD SPECIFICATIONS OF VARIABLE SPEED ENGINE, SUITABLE FOR INDUSTRIAL AND TRACTOR APPLICATION.**

S. NO.	Parameter	Unit	Value
1.1	Bore x stroke	mm	100 x 120
1.2	Swept volume	CC	5640
1.3	Compression ratio	-	17 : 1
1.4	Class of governing (IS10000)	-	B Class Mechanical
1.5	Brake horse power	Hp (Kw)	110 (81)
1.6	Rated speed	rpm	2300
1.7	Rating standard	-	ISO3046/DIN6271/BS514
1.8	Maximum rated torque Gross	N-m at rpm	390 N-m @ 1500 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	2700
1.12	Dry weight - engine weight without flywheel and bell housing - weight with flywheel and SAE 3 flywheel housing	kg  kg	435  502

**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  $0.035 \text{ kgm}^2$

Prepared by  <b>PRANAV</b>	Checked & Approved by  	Revision no.  00	Date  Aug 2002	Issued by  <b>KOEL R&amp;E</b>
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ENGINE SPECIFICATIONS

HA - SERIES

**ENGINE SPECIFICATIONS**

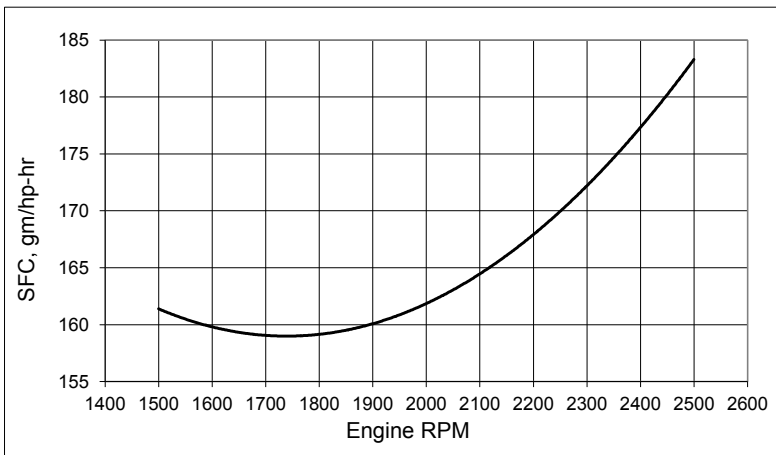
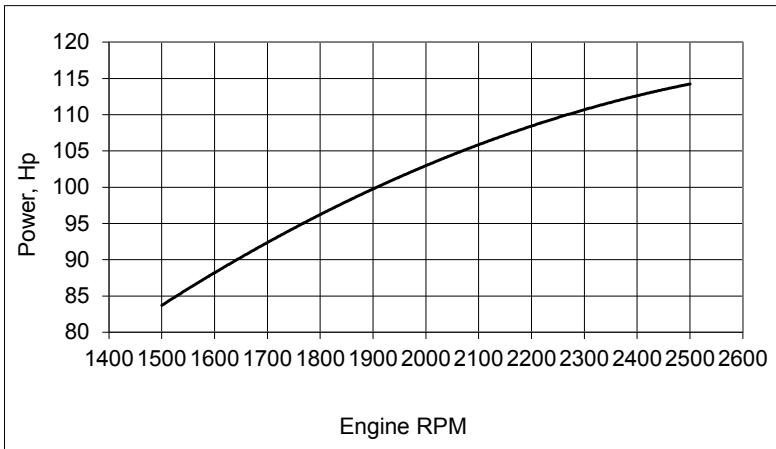
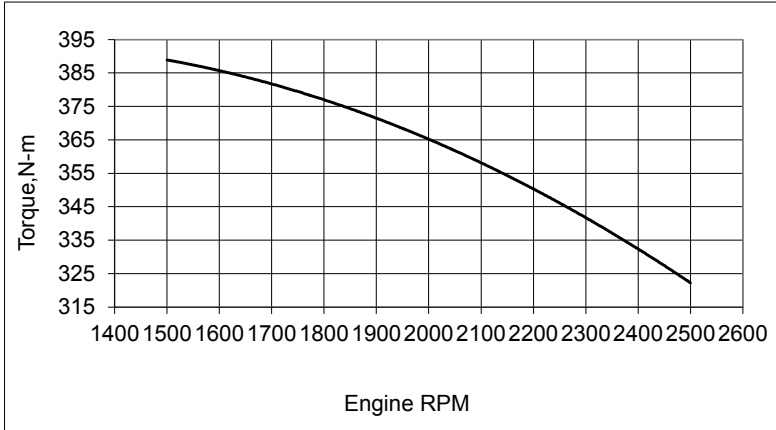
HA 694 TC ENGINE  
(TURBOCHARGED)

SECTION

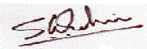
B2



SECTION B-2 : PERFORMANCE CURVES ( CONTINEOUS RATING:AS PER :IS10002 / BS-5514 / ISO 3046 )  
SUITABLE FOR INDUSTRIAL APPLICATIONS



**Note :** Tolerance on rated out put : +/- 5%  
Tolerance on SFC : +5 %

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