


NO. HA 494 T-SPECS-01/B Sht.No. B/1 (Ring last page no.)	ENGINE SPECIFICATIONS HA 494 TC ENGINE (TURBOCHARGED)	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	-	15 : 1
1.4	Class of governing (IS10000)	-	B Class Mechanical
1.5	Brake horse power (ICXN)	Hp (Kw)	70 (51.5)
1.6	Rated speed	rpm	2000
1.7	Rating standard	-	ISO3046/DIN6271/BS514
1.8	Maximum rated torque Gross	N-m at rpm	26.7 Kg-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	2160
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.

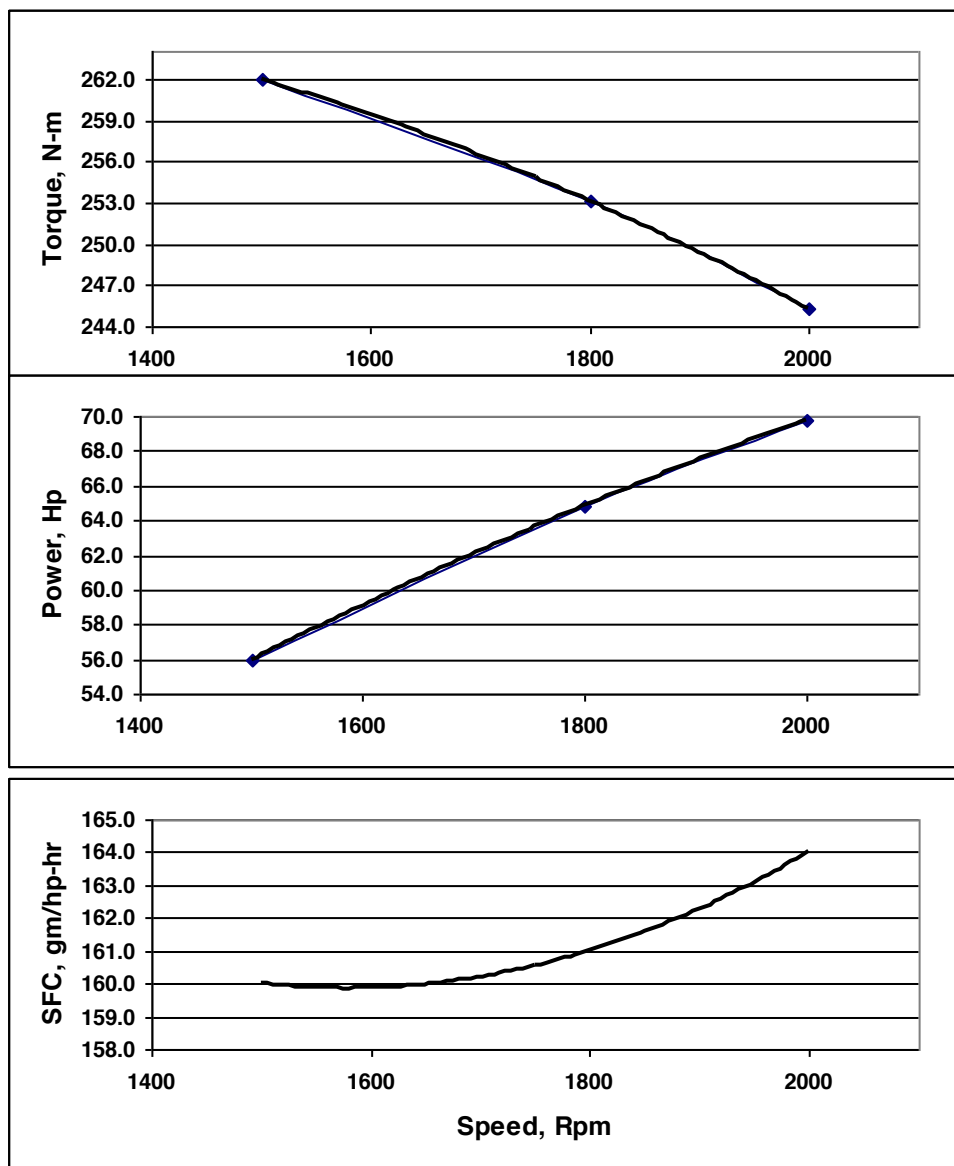
ii) Moment of inertia $J (GD^2 / 4)$ of driven component rigidly coupled to crank pulley not to exceed 0.035 kgm^2

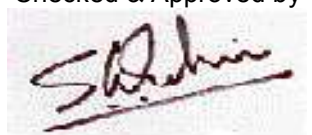
Prepared by PRANAV	Checked & Approved by 	Revision no. 00	Date Aug, 2002	Issued by KOEL R&E
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NO.- HA494 T -SPECS-01/E Sheet No. E/1 (Ring last page no.)	ENGINE SPECIFICATIONS HA 494 TC ENGINE (TURBOCHARGED)	SECT. E	
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ECT.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

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



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