


NO. HA 294 -SPECS-01/B Sht.No. (Ring last page no.)	ENGINE SPECIFICATIONS HA 294 NA ENGINE (NATURALLY ASPIRATED)	SECT. B	
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SECT. B : BROAD SPECIFICATIONS.


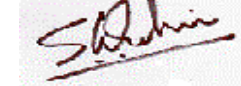
B-1. BROAD SPECIFICATIONS OF VARIABLE SPEED ENGINE, SUITABLE FOR INDUSTRIAL AND TRACTOR APPLICATION.

S. NO.	Parameter	Unit	Value
1.1	Bore x stroke	mm	100 x 120
1.2	Swept volume	CC	1880
1.3	Compression ratio	-	17 : 1
1.4	Class of governing (IS10000)	-	B Class Mechanical
1.5	Brake horse power	Hp (Kw)	27.5 (20.2)
1.6	Rated speed	rpm	2300
1.7	Rating standard	-	ISO3046/DIN6271/BS514
1.8	Maximum rated torque Gross	N-m at rpm	90 N-m @ 1800 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	2480
1.12	Dry weight - engine weight without flywheel and bell housing - weight with flywheel and SAE 3 flywheel housing	kg kg	243 346

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 	Checked & Approved by 	Revision no. 00	Date Aug, 2002	Issued by KOEL R&E
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ENGINE SPECIFICATIONS

HA - SERIES

ENGINE SPECIFICATIONS

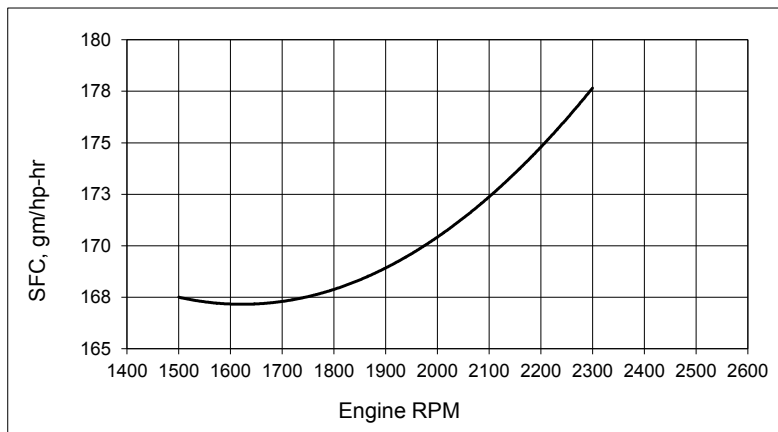
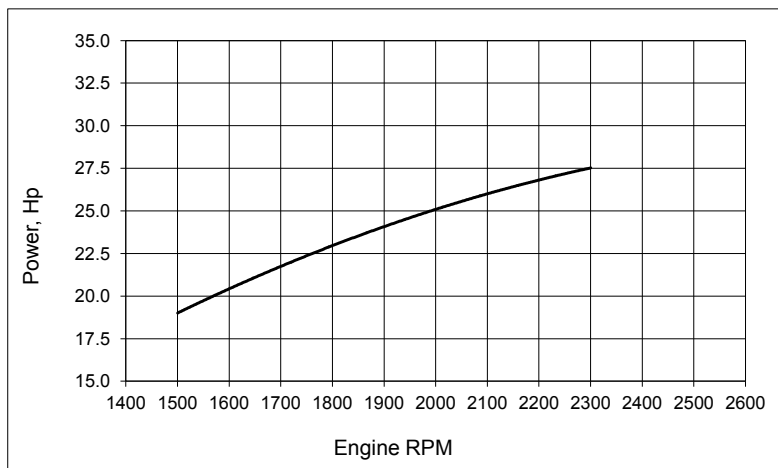
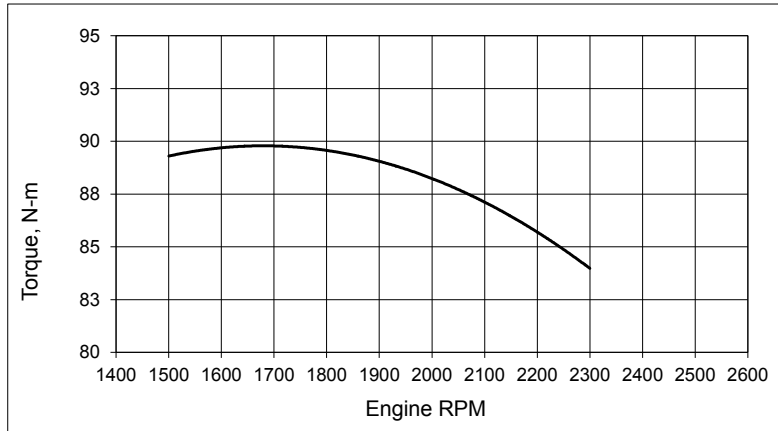
HA 294 NA ENGINE
(NATURALLY ASPIRATED)

SECTION

B2



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



Note : Tolerance on power out put : +/- 5%

Tolerance on SFC : +5 %

Prepared by

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