

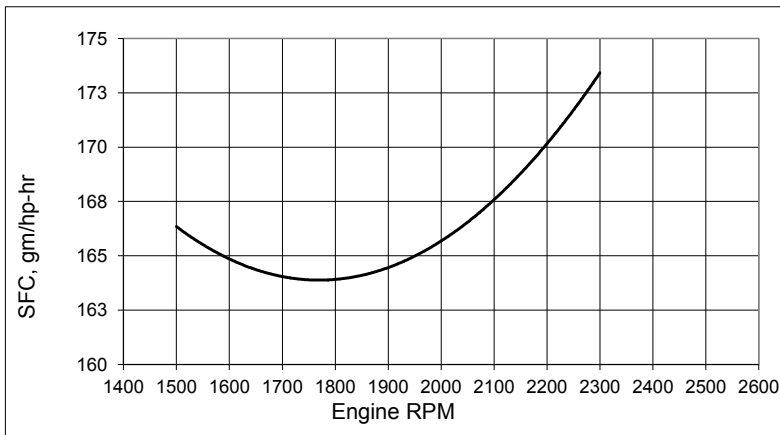
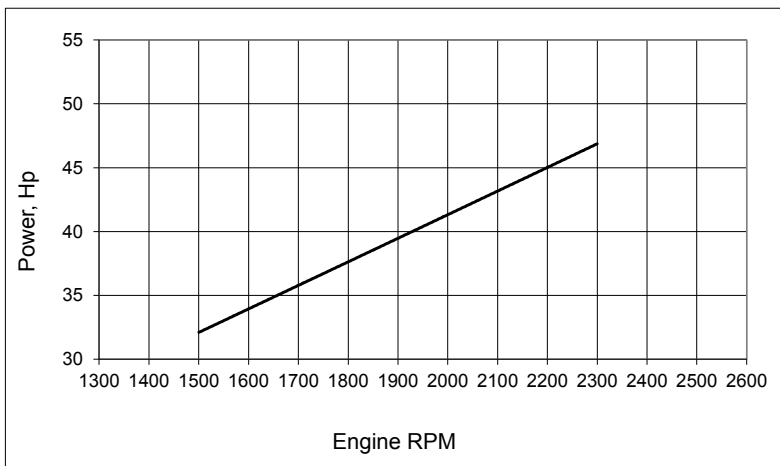
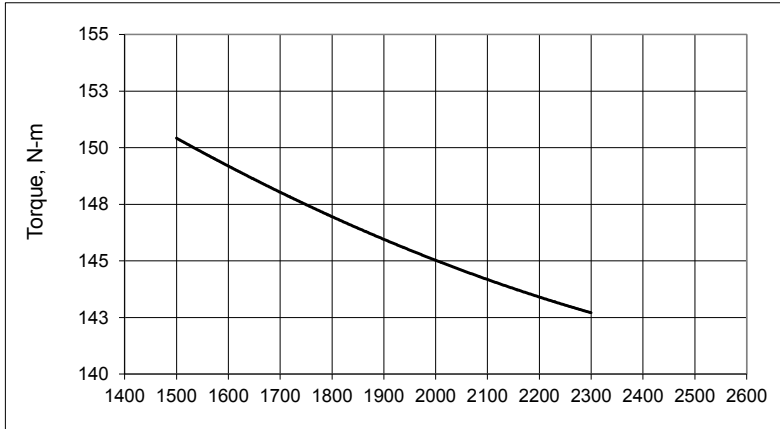


NO. HA 394 -SPECS-01/B		ENGINE SPECIFICATIONS HA 394 NA ENGINE (NATURALLY ASPIRATED)		SECT. B	
Sht.No.	B/1				
(Ring last page no.)					
SECT. B : BROAD SPECIFICATIONS.					
B-1. BROAD SPECIFICATIONS OF VARIABLE SPEED ENGINE, SUITABLE FOR INDUSTRIAL AND TRACTOR APPLICATION.					
S. NO.	Parameter	Unit	Value		
1.1	Bore x stroke	mm	100 x 120		
1.2	Swept volume	CC	2820		
1.3	Compression ratio	-	17 : 1		
1.4	Class of governing (IS10000)	-	B Class Mechanical		
1.5	Brake horse power	Hp (Kw)	47 (34.6)		
1.6	Rated speed	rpm	2300		
1.7	Rating standard	-	ISO3046/DIN6271/BS514		
1.8	Maximum rated torque Gross	N-m at rpm	150 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	2500		
1.12	Dry weight				
	- engine weight without flywheel and bell housing	kg	300		
	- weight with flywheel and SAE 3 flywheel housing	kg	403		
<p>Notes :-</p> <p>i) Higher low idle speed can be offered against specific requirement.</p> <p>ii) Moment of inertia J ($GD^2/4$) of driven component rigidly coupled to crank pulley not to exceed 0.035 kgm^2</p>					
Prepared by	Checked & Approved by	Revision no.	Date	Issued by	
PRANAV		00`	Aug, 2002	KOEL R&E	


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ENGINE SPECIFICATIONS HA - SERIES	ENGINE SPECIFICATIONS HA 394 NA ENGINE (NATURALLY ASPIRATED)	SECTION B2	
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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 %

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