Note 92 Honda: Racing Motor-Cycles



HUHUA. RACING MULUI-CYCIE	25				
		All NA			
Year	<u>1966</u>	1967	<u>1984</u>		
Туре	RC149	RC181	NR500		
Data Sources	14,228,35	4 14,228,354	16,74,228,		
	, -,	357	354,357,358		
			, ,		
Fuel	Al	All 100 Octane petrol			
Configuration	IL5	IL4	90V4		
Valves per Cylinder	4v/c	4v/c	8v/c		
@ Included Angle (VIA)	56 ⁰	75 ⁰	40 ⁰		
	35.5mm/25.1	59.4mm/44.9	"75.36"mm/28	Note (1)	
	= 1.414	= 1.323	= "2.691"	()	
Swept Volume (V) cc	124	498	499		
Compression Ratio (R)	10.7	11.5	12.1		
	-	-			
Peak Power (PP) HP	32.7	95.2	134		
. ,	Note (2)	Note (2)	Note (3)		
@RPM (NP)	20.000	14,500	19,500		
PP/V HP/L	263	191	268		
Brake Mean Effective					
Pressure @ NP (BMPP) Ba	ır 11.78	11.80	12.31		
@ Mean Piston Speed					
(MPSP) m/s	16.73	21.70	18.20		
Mean Gas Velocity at Inlet @PP					
(MGVP) m/s	58	66	68		
. , , ,					
All Coil-spring Valve Return System (CVRS)					
Mean Valve Speed @ PP					
(MVSP) m/s	2.9	3.7	4.0		
BNP m/s	11.8	14.4	"24.5"	Note (1)	
,					

Note (1):- Equivalent circular Bore with same piston area as "Oval" cylinder.

Note (2):- With exhaust diffusers ("megaphones").

Note (3):- Racing motor-cycles had to have exhaust silencers by this date but the quoted test results may have been un-silenced, although with plain pipes, not megaphones.