

ETP

International Supplier of Engine & Automotive Parts

An Australian Owned Company

ETP's CH350N

Over 500 HORSE POWER straight out of the box!!!*



- 65.2cc Chamber
- 197.4cc Intake Port Volume
- 74.7cc Exhaust Port Volume

Room in casting for ports to be polished to meet specific requirements

These new heads require an offset rocker arm on the inlet valves since the intake port has been widened to reduce restriction.

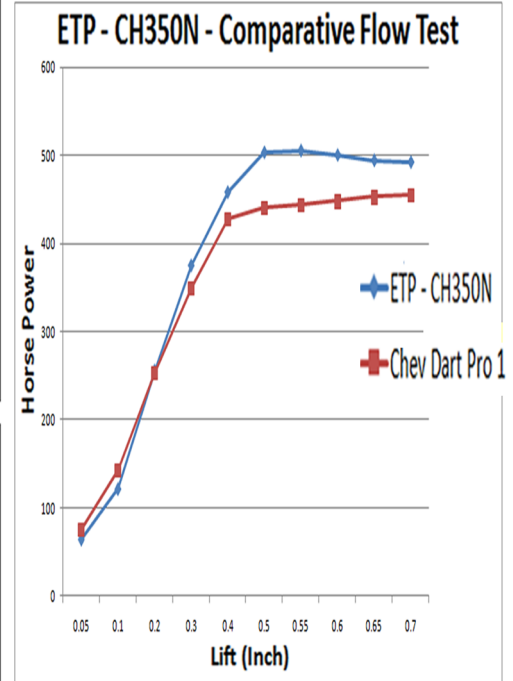
Intake Valve Diameter 2.02

Machine Calibration	0.814									
Test flow correction factor	1.0173									
Flow Range	10	18	29	40	59	84	105	140	185	
Correct Flow Range	10.173	18.312	29.503	40.693	60.023	85.456	106.82	142.426	188.206	
Test Port Number										
Test pressure inches of water using 0.826 SP. CR Red oil	10	10	10	10	10	10	10	10	10	10
Valve Lift	0.05	0.1	0.2	0.3	0.4	0.5	0.55	0.6	0.65	0.7
Correction Flow Range	29.5	40.69	85.45	142.42	142.42	188.2	188.2	188.2	188.2	188.2
Flowmeter reading %	65.6	90	90.5	79.4	96.5	80.2	80.5	79.5	78.5	78.2
Chart cfm	19.352	36.621	77.332	113.081	137.435	150.936	151.501	149.619	147.737	147.172
Temperature difference	25	40	45	45	40	40	40	35	35	35
Temperature Difference Factor	0.981	0.97	0.966	0.966	0.97	0.97	0.97	0.973	0.973	0.973
Corrected Flow at 10"	18.984	35.522	74.703	109.237	133.312	146.408	146.956	145.579	143.748	143.199
Corrected Flow at 28"	31.704	59.322	124.754	182.425	222.631	244.502	245.416	243.117	240.059	239.142
Potential Horsepower	65	122	256	375	458	503	505	500	494	492



Exhaust Valve Diameter 1.6

Machine Calibration	0.814									
Test flow correction factor	1.0173									
Flow Range	10	18	29	40	59	84	105	140	185	
Correct Flow Range	10.173	18.312	29.503	40.693	60.023	85.456	106.82	142.426	188.206	
Test Port Number										
Test pressure inches of water using 0.826 SP. CR Red oil	10	10	10	10	10	10	10	10	10	10
Valve Lift	0.05	0.1	0.2	0.3	0.4	0.5	0.55	0.6	0.65	0.7
Correction Flow Range	29.5	40.69	85.45	85.45	106.82	106.82	106.82	106.82	142.42	142.42
Flowmeter reading %	60	83	75.6	97.1	89.2	94	97	98.5	75.6	77.6
Chart cfm	17.7	33.773	64.6	82.972	95.283	100.411	103.615	105.218	107.67	110.518
Temperature difference	5	5	30	35	35	35	35	40	40	40
Temperature Difference Factor	1.004	1.004	1.023	1.027	1.027	1.027	1.027	1.03	1.03	1.03
Corrected Flow at 10"	17.771	33.908	66.086	85.212	97.856	103.122	106.413	108.374	110.9	113.833
Corrected Flow at 28"	29.677	56.626	110.364	142.304	163.42	172.214	177.71	180.985	185.202	190.102
Exhaust Cross Balance	94%	95%	88%	78%	73%	70%	72%	74%	77%	79%



Tests independently performed by **POWERHOUSE ENGINES**
*calculated from flow tests

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