



QED MotorSport Ltd

4 Soar Road, Quorn, Leicestershire, LE12 8BN
Tel : +44 (0)1509 412317 Fax : +44 (0)1509 416555

LOTUS TWINCAM Q360 CAMSHAFT DATA SHEET

Description:

The Q360 camshaft is the next step up from a sprint cam. It has a very slightly longer opening time with a faster rise rate and similar lift.

This is an easily fitted cam requiring no additional modifications to the engine apart from nominal carburation changes. Obviously the best results will be obtained with a worked cylinder head when towards 135* bhp may be expected with 117* lbf.ft torque.

Peak Power:

135 BHP @ 6500rpm

Peak Torque:

117lbf @ 5500rpm

Recommended supporting modifications:

10.5:1 Compression ratio
Sprint inlet valves
Standard exhaust valves
Colsibro bronze valve guides
QED blueprinted valve springs

Technical details:

Expressed Period: 280 degrees
Maximum cam lift: 0.355"
Inlet fully open: 105 degrees after top dead centre
Inlet lift @ TDC: 0.134"
Inlet valve clearance: 0.005" – 0.006"
Exhaust fully open: 110 degrees before top dead centre
Exhaust lift @ TDC: 0.112"
Exhaust valve clearance: 0.009"-0.011"

Recommended starting jets for carbs:

	Weber		Dellorto	
	40 DCOE	45 DCOE	40 DHLA	45 DHLA
Choke:	33	We do not recommend using carbs this large for an engine built to Q360 specification.	33	We do not recommend using carbs this large for an engine built to Q360 specification.
Main jet:	125		135	
Air corrector:	170		150	
Emulsion tube:	F16		.5	
Idle jet:	45F8		50	

Our range of products has been developed for professional use in motor sport applications. It is expected that anyone using our products will have experience of working on engines and will follow normal engine workshop practice.

These notes are intended as a guideline only. It is the responsibility of the fitter to ensure that all components are sized, assembled, and fastened correctly to perform without future failure. We accept no responsibility for damage caused either to, or by, our products as a result of incorrect or inappropriate assembly or fitment.

The power figures quoted above are an example taken from an engine built and tested by QED MotorSport Ltd. These figures are representative of a typical engine but exact power figures may vary between engines.

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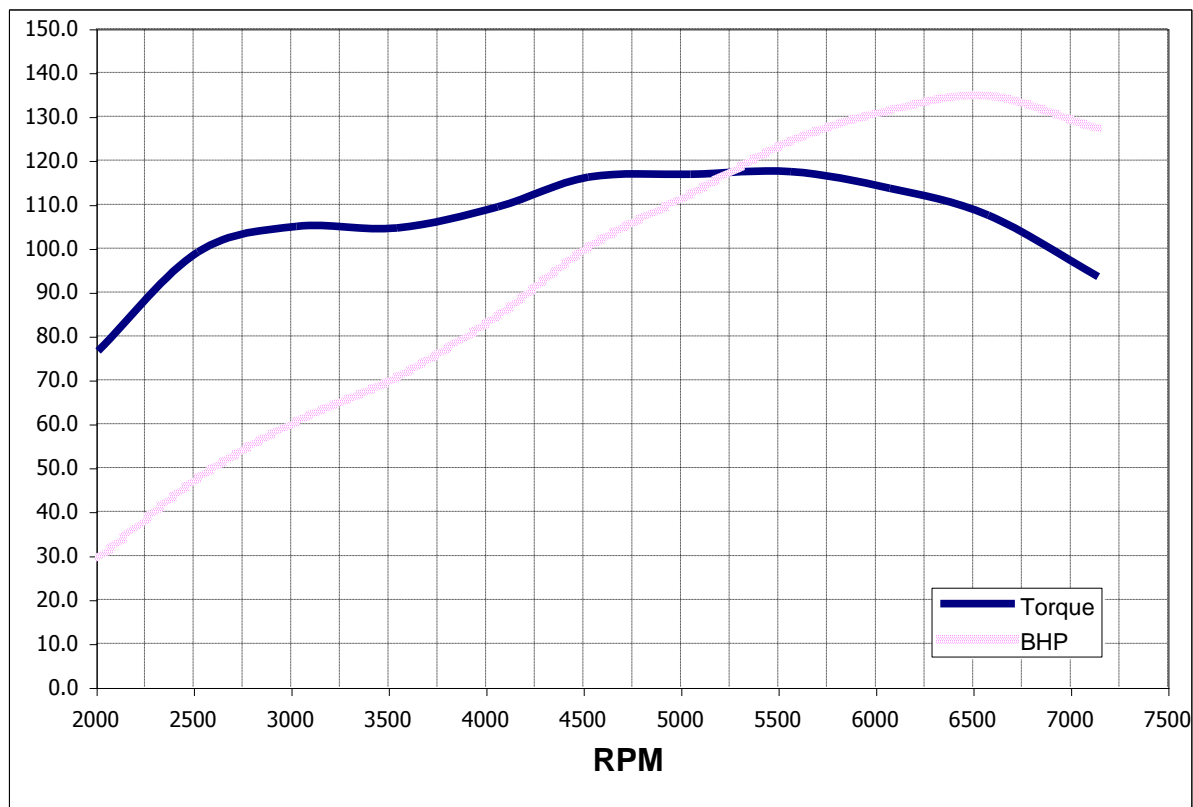
Dyno Test Results

Engine Lotus TC
Cam Q360
CR 10.5:1

Induction 40 DCOE
Ignition Twin Coil
ECU DTAfast

Fuel Press. 2.5
Air temp 28

Engine Speed (RPM)	Torque (lbft)	Power (BHP)
2012	76.6	29.3
2524	99.1	47.6
3029	104.9	60.5
3546	104.6	70.6
4063	109.4	84.6
4527	116.2	100.2
5051	116.8	112.3
5567	117.4	124.4
6074	113.6	131.4
6580	107.5	134.7
7143	93.5	127.2



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