

**A****EMC CYLINDER HEIGHT & MANIFOLD DISTANCE****B=3.875 Piston Comp Dist=.630**

Stroke S	Bore B	Rod Dist	Squish	Base Gasket	Head Gasket 0.035	Pin to Pis Top 0.630		Disp cu.in.	Cyl Height	NEW Hd&Cyl Height 3.750	Manifold Spigot Dimension
4.000	3.750	7.666	0.00	0.00	0.035	0.800	OEM	88.4	4.930	8.680	3.15
4.000	3.875	7.666	0.00	0.00	0.035	0.630	>	94.3	4.760	8.510	3.02
4.250	3.875	7.666	0.00	0.00	0.035	0.630	>	100.2	4.885	8.635	3.12
4.375	3.875	7.666	0.00	0.00	0.035	0.630	>	103.2	4.947	8.697	3.16
4.500	3.875	7.666	0.00	0.00	0.035	0.630	>	106.1	5.010	8.760	3.21
4.625	3.875	7.666	0.00	0.00	0.035	0.630	>	109.1	5.072	8.822	3.26
4.750	3.875	7.666	0.00	0.00	0.035	0.630	>	112.0	5.135	8.885	3.31

**EMC (513)-242-7200****email fbao@emcv2.com**

# B

## EMC CYLINDER HEIGHT & MANIFOLD DISTANCE

B=4.00 Piston Comp Dist=.630

Stroke S	Bore B	Rod Dist	Squish	Base Gasket	Head Gasket 0.035	Pin to Pis Top 0.630		Disp cu.in.	Cyl Height	NEW Hd&Cyl Height 3.750	Manifold Spigot Dimension
4.000	3.750	7.666	0.00	0.00	0.035	0.800	OEM	88.4	4.930	8.680	3.15
4.375	3.875	7.666	0.00	0.00	0.035	0.630	>	103.2	4.947	8.697	3.16
4.500	3.875	7.666	0.00	0.00	0.035	0.630	>	106.1	5.010	8.760	3.21
4.625	3.875	7.666	0.00	0.00	0.035	0.630	>	109.1	5.072	8.822	3.26
4.750	3.875	7.666	0.00	0.00	0.035	0.630	>	112.0	5.135	8.885	3.31
4.375	4.000	7.666	0.00	0.02	0.035	0.630	>	110.0	4.927	8.697	3.15
4.500	4.000	7.666	0.00	0.02	0.035	0.630	>	113.1	4.990	8.760	3.20
4.625	4.000	7.666	0.00	0.02	0.035	0.630	>	116.2	5.052	8.822	3.24
4.750	4.000	7.666	0.00	0.02	0.035	0.630	>	119.4	5.115	8.885	3.29



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# C

## EMC CYLINDER HEIGHT & MANIFOLD DISTANCE

B=4.125 Comp Dist=.630

Stroke S	Bore B	Rod Dist	Squish	Base Gasket	Head Gasket 0.035	Pin to Pis Top 0.630		Disp cu.in.	Cyl Height	NEW Hd&Cyl Height 3.750	Manifold Spigot Dimension
4.000	3.750	7.666	0.00	0.00	0.035	0.800	OEM	88.4	4.930	8.680	3.15
4.000	4.060	7.666	0.00	0.02	0.035	0.630	>	103.6	4.740	8.510	3.00
4.250	4.060	7.666	0.00	0.02	0.035	0.630	>	110.0	4.865	8.635	3.10
4.375	4.060	7.666	0.00	0.02	0.035	0.630	>	113.3	4.927	8.697	3.15
4.500	4.060	7.666	0.00	0.02	0.035	0.630	>	116.5	4.990	8.760	3.20
4.625	4.060	7.666	0.00	0.02	0.035	0.630	>	119.8	5.052	8.822	3.24
4.750	4.060	7.666	0.00	0.02	0.035	0.630	>	123.0	5.115	8.885	3.29
4.000	4.125	7.666	0.02	0.02	0.035	0.630	>	106.9	4.760	8.530	3.02
4.250	4.125	7.666	0.02	0.02	0.035	0.630	>	113.6	4.885	8.655	3.12
4.375	4.125	7.666	0.02	0.02	0.035	0.630	>	116.9	4.947	8.717	3.16
4.500	4.125	7.666	0.02	0.02	0.035	0.630	>	120.3	5.010	8.780	3.21
4.625	4.125	7.666	0.02	0.02	0.035	0.630	>	123.6	5.072	8.842	3.26
4.750	4.125	7.666	0.02	0.02	0.035	0.630	>	127.0	5.135	8.905	3.31



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# D

## EMC CYLINDER HEIGHT & MANIFOLD DISTANCE

B=4.25 Comp Dist=.630

Stroke S	Bore B	Rod Dist	Squish	Base Gasket	Head Gasket 0.035	Pin to Pis Top 0.630		Disp cu.in.	Cyl Height	NEW Hd&Cyl Height 3.750	Manifold Spigot Dimension
4.000	3.750	7.666	0.00	0.00	0.035	0.800	OEM	88.4	4.930	8.680	3.15
4.000	4.250	7.666	0.04	0.02	0.035	0.630	>	113.5	4.780	8.550	3.04
4.375	4.250	7.666	0.04	0.02	0.035	0.630	>	124.1	4.967	8.737	3.18
4.500	4.250	7.666	0.04	0.02	0.035	0.630	>	127.7	5.030	8.800	3.23
4.625	4.250	7.666	0.04	0.02	0.035	0.630	>	131.2	5.092	8.862	3.27
4.750	4.250	7.666	0.04	0.02	0.035	0.630	>	134.8	5.155	8.925	3.32
4.375	4.250	8.000	0.04	0.02	0.035	0.630	>	124.1	5.301	9.071	3.43
4.500	4.250	8.000	0.04	0.02	0.035	0.630	>	127.7	5.364	9.134	3.48
4.625	4.250	8.000	0.04	0.02	0.035	0.630	>	131.2	5.426	9.196	3.53
4.750	4.250	8.000	0.04	0.02	0.035	0.630	>	134.8	5.489	9.259	3.58
4.375	4.250	8.125	0.04	0.02	0.035	0.630	>	124.1	5.426	9.196	3.53
4.500	4.250	8.125	0.04	0.02	0.035	0.630	>	127.7	5.489	9.259	3.58
4.625	4.250	8.125	0.04	0.02	0.035	0.630	>	131.2	5.551	9.321	3.63
4.750	4.250	8.125	0.04	0.02	0.035	0.630	>	134.8	5.614	9.384	3.67



# E

## EMC CYLINDER HEIGHT & MANIFOLD DISTANCE

B=4.25 Comp Dist=.700

Stroke S	Bore B	Rod Dist	Squish	Base Gasket	Head Gasket 0.035	Pin to Pis Top 0.700		Disp cu.in.	Cyl Height	NEW Hd&Cyl Height 3.750	Manifold Spigot Dimension
4.000	3.750	7.666	0.00	0.00	0.035	0.800	OEM	88.4	4.930	8.680	3.15
4.375	4.250	7.666	0.04	0.02	0.035	0.700	>	124.1	5.037	8.807	3.23
4.500	4.250	7.666	0.04	0.02	0.035	0.700	>	127.7	5.100	8.870	3.28
4.625	4.250	7.666	0.04	0.02	0.035	0.700	>	131.2	5.162	8.932	3.33
4.750	4.250	7.666	0.04	0.02	0.035	0.700	>	134.8	5.225	8.995	3.38
4.375	4.250	8.000	0.04	0.02	0.035	0.700	>	124.1	5.371	9.141	3.49
4.500	4.250	8.000	0.04	0.02	0.035	0.700	>	127.7	5.434	9.204	3.54
4.625	4.250	8.000	0.04	0.02	0.035	0.700	>	131.2	5.496	9.266	3.58
4.750	4.250	8.000	0.04	0.02	0.035	0.700	>	134.8	5.559	9.329	3.63
4.375	4.250	8.125	0.04	0.02	0.035	0.700	>	124.1	5.496	9.266	3.58
4.500	4.250	8.125	0.04	0.02	0.035	0.700	>	127.7	5.559	9.329	3.63
4.625	4.250	8.125	0.04	0.02	0.035	0.700	>	131.2	5.621	9.391	3.68
4.750	4.250	8.125	0.04	0.02	0.035	0.700	>	134.8	5.684	9.454	3.73
4.875	4.250	8.125	0.04	0.02	0.035	0.700	>	138.3	5.746	9.516	3.77



**F**

**EMC CYLINDER HEIGHT & MANIFOLD DISTANCE**

**B=4.375 Comp Dist=.700**

Stroke S	Bore B	Rod Dist	Squish	Base Gasket	Head Gasket 0.035	Pin to Pis Top 0.700		Disp cu.in.	Cyl Height	NEW Hd&Cyl Height 3.750	Manifold Spigot Dimension
4.000	3.750	7.666	0.00	0.00	0.035	0.800	OEM	88.4	4.930	8.680	3.15
4.375	4.375	7.666	0.04	0.02	0.035	0.700	>	131.5	5.037	8.807	3.23
4.500	4.375	7.666	0.04	0.02	0.035	0.700	>	135.3	5.100	8.870	3.28
4.625	4.375	7.666	0.04	0.02	0.035	0.700	>	139.1	5.162	8.932	3.33
4.375	4.375	8.000	0.04	0.02	0.035	0.700	>	131.5	5.371	9.141	3.49
4.500	4.375	8.000	0.04	0.02	0.035	0.700	>	135.3	5.434	9.204	3.54
4.625	4.375	8.000	0.04	0.02	0.035	0.700	>	139.1	5.496	9.266	3.58
4.750	4.375	8.000	0.04	0.02	0.035	0.700	>	142.8	5.559	9.329	3.63
4.375	4.375	8.125	0.04	0.02	0.035	0.700	>	131.5	5.496	9.266	3.58
4.500	4.375	8.125	0.04	0.02	0.035	0.700	>	135.3	5.559	9.329	3.63
4.625	4.375	8.125	0.04	0.02	0.035	0.700	>	139.1	5.621	9.391	3.68
4.750	4.375	8.125	0.04	0.02	0.035	0.700	>	142.8	5.684	9.454	3.73
4.875	4.375	8.125	0.04	0.02	0.035	0.700	>	146.6	5.746	9.516	3.77

