BEST-EX, INC.

C.F.M. FORMULA

C.F.M.= CUBIC FEET PER MINUTE

For all engines, the C.F.M. can be determined by using the formula below:

2 CYCLE ENGINES				4 CYCLE ENGINES			
C.F.M. = C.I.D. x R.P.M. x Vol. Eff. / 1728				**C.F.M. = C.I.D. x R.P.M. x Vol. Eff. / 3456**			
VOLUMETRIC EFFICIENCY:				**VOLUMETRIC EFFICIENCY:**			
Diesel	Blower-Scavenged	=	**1.4**	**Diesel**	Naturally Aspirated	=	**0.85**
	Turbocharged	=	**1.9**		Turbocharged	=	**1.6**
	Turbocharged - Innercooled	=	**2.1**		Turbocharged - Aftercooled	=	**1.85**
Gasoline	up to 2500 r.p.m.	=	**0.85**	**Gasoline**	up to 2500 r.p.m.	=	**0.8**
	2500 to 3000 r.p.m.	=	**0.8**		2500 to 3000 r.p.m.	=	**0.75**
	3000 to 4000 r.p.m.	=	**0.75**		3000 to 4000 r.p.m.	=	**0.7**

C.I.D.-Cubic Inch Displacement R.P.M.-Revolutions Per Minute Vol.Eff.-Volume Efficiency

To convert Metric Displacements to C.I.D. for use in the formulas, use the following conversion factors:

Displacement in Cubic Centimeters (cm3) x 0.06102 = C.I.D.
Displacement in Liters x 61.02 = C.I.D.