Correction Factors For Other Speeds

For speeds other than 1750, hydraulic performance and B.H.P. requirements must be corrected before a selection can be made. The following multipliers are used to correct performance and B.H.P.

	GPM.	Head	B.H.P.
1150 to 1750	1.52	2.31	
1750 to 1150			.28
1450 to 1750	1.21	1.46	
1750 to 1450			.58
2900 to 3450	1.19	1.42	
3450 to 2900			.58

Sizing Procedure
1. Using the proper multipliers correct GPM and head.
2. Make pump selection as usual using corrected performance.
3. Determine max. B.H.P. requirement for pump selected.
4. Correct B.H.P. using multiplier, to lower speed.
5. Select motor based on Step 4. Use service factor if applicable.

Conversion Table							
Gallons	x	3.785	= Liters	Liters/Sec.	x	15.85	= GPM
GPM	x	.227	= M3/HR	Liters	x	0.264	= Gallons
Ft.	x	.0348	= Meters	M3/HR	x	4.4	= GPM
PSIG	x	.07	= Kg/cm²	Meters	x	3.281	= Feet
HP	x	.7457	= Kilowatt	Kg/cm²	x	14.22	= PSIG
IGPM	÷	.83267	= GPM	KW	x	1.34	= HP
Bar	x	14.50	= PSI	Mpa	x	146	= PSI

CF/Sec.	x	448.83	= GPM	Kpa	x	0.145	= PSI