

Helpful Formulas

$$\text{BTUH} = \text{gpm} \times \Delta T \times \text{sp.gr} \times 8.33 \times 60$$

$$= \text{gpm} \times \Delta T \times 500$$

$$\text{GPM} = \text{BTUH} \div \Delta T \div \text{sp.gr} \div 500$$

$$\text{Sp.gr (specific gravity) of water} = 1$$

$$1 \text{ gallon of water} = 8.33 \text{ lbs}$$

$$1 \text{ PSI} = 2.31 \text{ ft}$$

$$\text{ft of water} = \text{PSI} \times 2.31$$

$$\text{ft of water} = \text{PSI} \div .43$$

$$\text{PSI} = \text{feet of water} \div 2.31$$

$$\text{PSI} = \text{feet of water} \times .43$$

$$\text{Liters} = \text{gallons} \times 3.8$$

$$\text{Gallons} = \text{liters} \div 3.8$$

$$1 \text{ GPM} = 3.78 \text{ LPM}$$

$$\text{GPM} = \text{LPM} \div 3.78$$

$$\text{GPM} = \text{PPH water} \times .002$$

$$\text{PPH} = \text{GPM} \div .002$$

$$1 \text{ Inch} = 25.4 \text{ mm}$$

$$\text{Inch} = \text{mm} \times .0394$$

$$\text{mm} = \text{inch} \div .0394$$

$$1 \text{ Nm torque} = 8.85 \text{ "/\#}$$

$$\text{"/\# torque} = \text{Nm} \times 8.85$$

$$\text{Nm} = \text{"/\#} \div 8.85$$

$$1 \text{ bar} = 14.5 \text{ psi}$$

$$\text{PSI} = \text{bar} \times 14.5$$

Volume of a cylinder

$$\text{Cubic ft} = 7.48 \text{ gallons}$$

$$\text{Volume of a cylinder/cubic foot} = \pi r^2 \times H \text{ cubic feet}$$

$$\text{Cubic foot} = \pi \times \text{radius}^2 \times \text{height}$$

$$\text{Gallons} = \text{cubic foot} \times 7.48$$

JOB NAME _____
LOCATION _____

CONTRACTOR _____
CONTRACTOR P.O. NO. _____

ITEMS	QUANTITY
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

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