Engineering Information

Approximate Power Consumption of Electrical Apparatus

Engineering Information

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Engineering Information

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Phase current in 3-phase star = Line current Phase current in 3-phase Delta = Line current/1.732KW - KVA x POWER factor = $h.p x 746$ 1000 x efficiency
KW - KVA x POWER factor =
43 heat units hour upgeiging v 0001
Det Cylorib and an and a start of
Line amps x Line Volts; x 1.732 x p.f.
Wats for z many state 1000 000 h.p. x 746 at the woll
$KVA = \frac{1}{pf.} = \frac{1000 \text{ x efficiency x p.f.}}{1000 \text{ x efficiency x p.f.}}$
= . Line amps x Line Volts x 1.732
1000 KW x 100 KVA x 100
Line amps = Line Volts x 1.732 p.f. Line Volts x 1.732
non watten in a station in a st
Line Volts x 1.732 x efficiency x p.f. KW x 1000 x efficiency KVA x 1000 efficiency x p.f.
h.p. = $\frac{746}{746}$ = $\frac{746}{746}$
= Line amps x Line Volts x 1.732 x efficiency x p.f.
Honor Tomor Second Provide A 1702 A cinclency A price of the second seco
h.p. x 746 x 100 mm d if 000
Single phase Currents = Line volts x p.f. x efficiency
Drop in 3-phase circuit = 1.732 x Line amps x Resistance of 1 core
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South Hard (H. T)

Kettles :		Toaster :		
1 Pint	280 W	1 Slice	550 to 550 W	
1 Pint 324	to 425 W	3 Slice	1750 W	
2 Pints 450	to 650 W	5 Slice	2500 W	
3 Pints 750 to	o 1000 W			
4-8 Pints 100	0 to 1500	Area Cor		
Iron :	18	Soldering Iro	ns: Monto 8n	
3 Ib	250 W	0.5 lb	60 W	
4 lb 275	to 300 W	1 lb	120 W	
	to 450 W	1.5 lb	200 W	
6 lb \$1 450	to 500 W	2 Ib 000	275 W	
7 lb 500	to 650 W	3 Ib	450 W	
12 lb 600	to 700 W	Imersion heaters :		
20 lb 750	to 850 W	6 in long	200 to 500 W	
	1 94	7 in long	500 to 750 W	
Small motors :		10 in long	800 to 1000 W	
Drillling 9/16" hole 200 to 250 W		16 in long	14 to 2000 W	
7/8" hole 3	50 to 400		0.1596	
1" hole	750 W	Ovens :		
1.5" hole	1500 W	14 x 14 x 12 in inside 1500 W		
	Specifical	12 x 12 x 16 in inside 1750 W		
		14 x 14 x 16 x in inside 2000 W		
Grinding :	stes are as b			
6" x 3/4 " Wheel				
8" x 3/4 Wheel		Vaccum Cleaner : Domestic 200 W		
10" x 3/4 Wheel	and the second of			
Hair drier :	550 W	High power	300 to 600 W	

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