## **Engineering Information**

## **Eletrical Engineering**

W. & Salas Ca

China Till St. China Chi 746watt equal one mechanical horse-powder. Generators are rated in kilowatts=1000 watts. The kilowatt hour quantity unit for powder.1 Watt=1Volt×1Ampere 1.BHP=0.764 Kilowatts. 1K<sub>m</sub>H.=3413B.Th.U I E E 1939,11 th Edition.



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## **Engineering Information** UNIT EQUIVALENTS 1 Watt is equal to :-1 joule/Sec. 0.001 34 Horse power 0.001 Kilowatt 3.43 heat units/hour 0.74 ft. lbs/sec. 0.0032 lb of water evaporated/hour. 778 ft. lb. 0.24 Calorie 1048 watt seconds 0.00293 Kilowatt hour 108 Kilogramme meters. 0.0000666 lb. coal oxidised 0.00039 Horse power hour 0.00087 lb. water evaporated at 212 °F 44.23 ft. Ib/min. 1 Kilowatt is equal to :-1 K. gm. is equal to 1000 watts 1.341 Horse power 26,56400 ft. lb/hour 44.240 ft. lb/min. 737,562 ft. lb/sec. 3411 heat units/hour 5686 heat units/min. 0.947 heat units/sec. 3 lb water evanorater 7.237 ft. lb. 366 x 10-8 Horse power hour 273 x 10-8 Hourse power hour 0.0092 heat units. 1 Joule is equal to:-1 Watt second 278 x 10-8 Kilowatt hour 0.102 K. gm. 0.00094 heat units 3 lb water evaporated/hour at 212 °F Kilowatt hour is equal to :-0.7376 ft. lb. Kilowatt hour is equal 1000 watt hours 1.34 Horse power hour 26,56,400 ft. lbs 36,00.000 jouses. 3,411 heat units. 3,56,848 K gm. 31 hunter guarovated/h 1 Heat unit/sq. ft/mtn. equals to: 0.121 watt/square inc 0.0174 Kilowatt hour 0.0232 Horse power 0.0232 Horse power 1 Foot pound is equal to: 1,3558 joule 0.1383 K gm. 377 x 10-9 Kilowatt hour 129 x 10-5 heat units 49 x 10-7 horse power hour 1 lib water evaporated at 120Pis equal to: 0.34 Kilowatt hour 0.44 Horse power hour 1148 Heat units 1,24,200 Kilogramme meters 1,24,200 Joules 8,87,800 ft. lib. 3 lb water evaporated/hour at 212 °F 22.9 lbs water raised from 69°F to 1 Horse power is equal to :-746 watt 0.746 Kilowatt 33,000 ft. lb/min. 550 ft.lb/sec. 2.545 heat units/min. 0.707 heat units. sec. 2.25 lb water evaporated/hour at 21,28 F