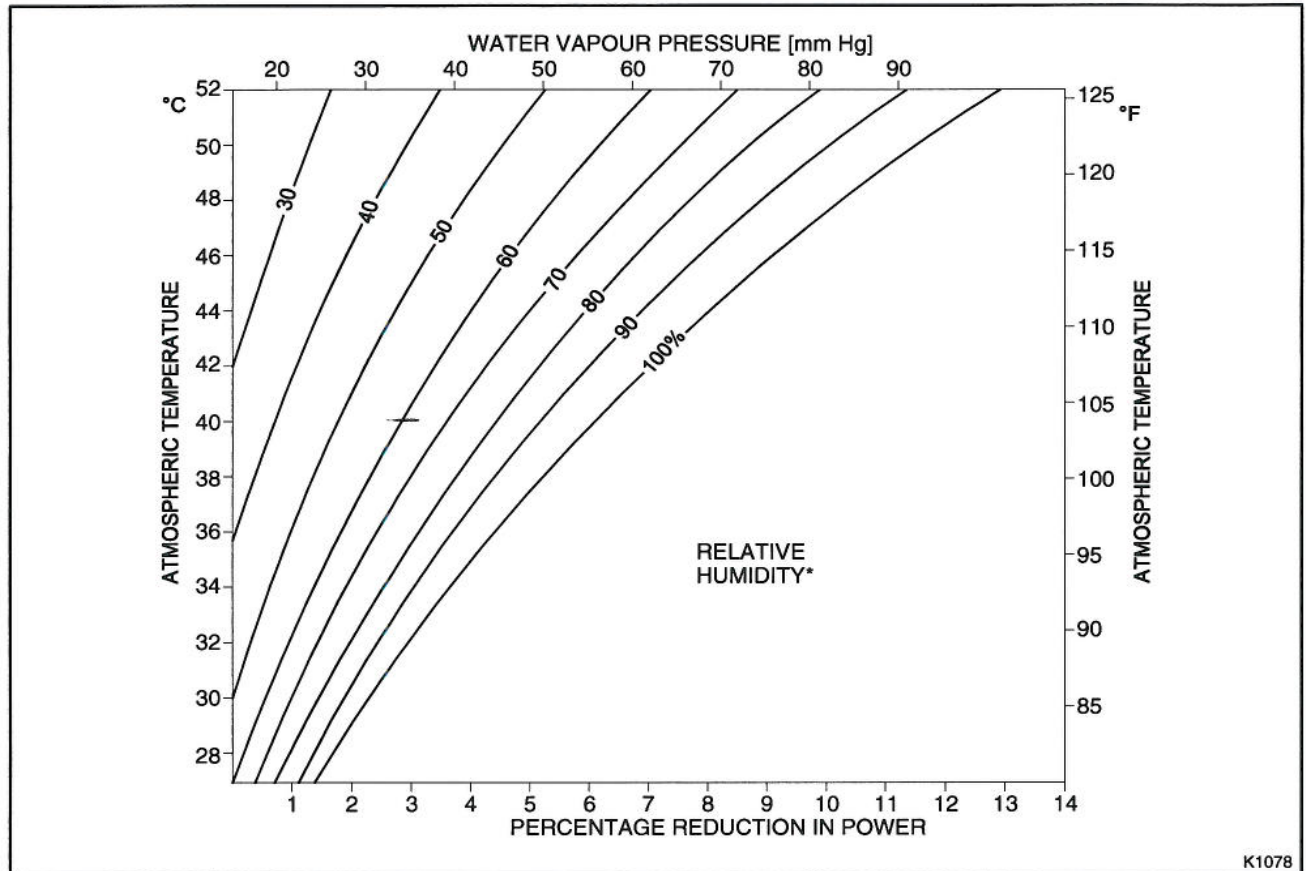


Humidity - curve 3953



Note: When estimating the percentage reduction in power due to humidity, the relative humidity must be coupled with the ATMOSPHERIC AIR TEMPERATURE, and not the air inlet temperature which might be locally heated. The effect of inlet air temperature on power output must be considered separately using diagram 3952.

Where humidity is expressed in terms of water vapour pressure, the percentage reduction in power can be read directly from the chart.

DIAGRAM FOR ESTIMATING EFFECT OF HUMIDITY ON POWER OUTPUT
RELATIVE TO BS 5514 REFERENCE CONDITIONS.

(27 °C (80.6 °F) and 60% RH)

Effect relative to BS 649 conditions (29.4 °C (84.9 °F) and 15 mm Hg VP) will be similar.