

SPECIFICATION NO.VFJ/TSS/SP/ARMY & MHA/MPV/04  
SPECIFICATION OF SPLIT TYPE AIR CONDITIONING SYSTEM FOR MPV  
(ARMY & MHA VERSION)  
(Amendment No.7 Dtd.05.11.2014)

ACCEPTANCE TEST PROCEDURE  
FOR CHECKING OF AC FUNCTIONAL TEST ON MINE PROTECTED VEHICLE  
AND ITS VARIANTS IN PREVAILING AMBIENT CONDITIONS AT SITE  
COVERING MAX. & MIN TEMPERATURE CONDITIONS

OBJECTIVE:

Following is the 'ATP' prescribed for testing and evaluating the AC system for MPV and its variants at the field level at VFJ / Field / Site as the ambient conditions will be varying through the year and the evaluation may have to be carried out at the prevalent ambient conditions.

Test for cooling capacity performance in the prevalent ambient condition range of (21°C to 50°C)

Test to be carried out after bringing inside compartment temperature with in the range of 21°C to 27°C by running the AC unit with the vehicle in static condition (However, in case of ambient temperature above 45 °C the gradient of 18°C minimum difference between the ambient temperature and the temperature inside the compartment is allowed).

Measure the dry bulb and wet bulb temperatures at return air grill temperature and supply air grill temperature at one inch distance from the grill respectively. (Remove the duct pieces, if any, while measuring these)

Take the above mentioned temperature readings for every 5 minutes over a period 30 minutes.