

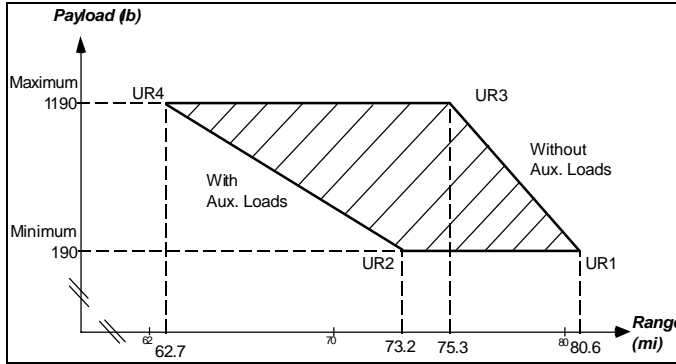
1998 FORD RANGER(NIMH BATTERIES) PERFORMANCE CHARACTERIZATION SUMMARY

ELECTRIC TRANSPORTATION DIVISION



Urban Range

(On Urban Pomona Loop – see other side for map)

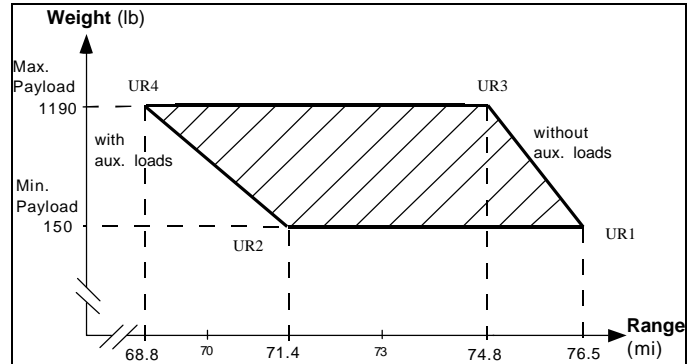


Test	UR1	UR2	UR3	UR4
Payload (lb.)	190	190	1220	1220
AC kWh Recharge	31.74	31.76	32.96	32.95
AC kWh/mi.	0.391	0.431	0.435	0.503
Range (mi.)	80.6	73.2	75.3	62.7
Avg. Ambient Temp.	63° F	63° F	66° F	69° F

UR1	Urban Range Test, Min Payload, No Auxiliary Loads
UR2	Urban Range Test, Min Payload, A/C on High, Headlights on Low, Radio On
UR3	Urban Range Test, Max Payload, No Auxiliary Loads
UR4	Urban Range Test, Max Payload, A/C on High, Headlights on Low, Radio On

Freeway Range

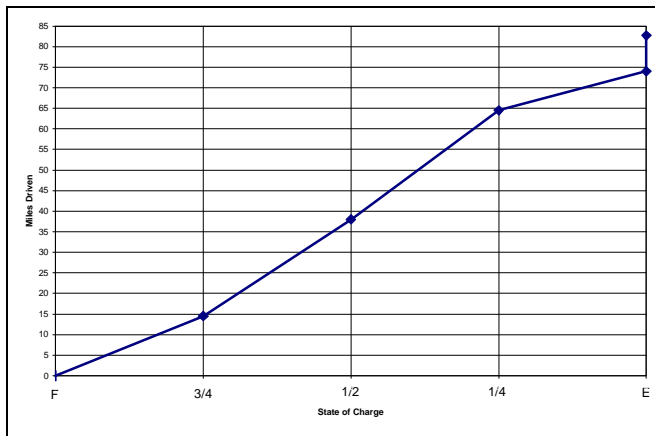
(On Freeway Pomona Loop – see other side for map)



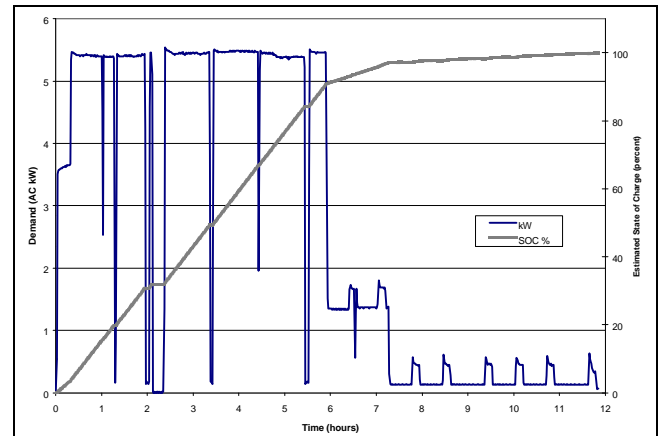
Test	FW1	FW2	FW3	FW4
Payload (lb.)	150	150	1190	1190
AC kWh Recharge	31.99	35.17	36.85	33.89
AC kWh/mi.	0.409	0.456	0.480	0.490
Range (mi.)	76.5	71.4	74.8	68.8
Avg. Ambient Temp.	62° F	66° F	74° F	52° F

FW1	Freeway Range Test, Min Payload, No Auxiliary Loads
FW2	Freeway Range Test, Min Payload, A/C on High, Headlights on Low, Radio On
FW3	Freeway Range Test, Max Payload, No Auxiliary Loads
FW4	Freeway Range Test, Max Payload, A/C on High, Headlights on Low, Radio On

State of Charge Meter (UR1)



Charger



MEASURED VALUE AT PEAK AC POWER	
Voltage	236.6V
Current	23.09 A
Real Power	5.444 kW
Reactive Power	392.3 VAR
Apparent Power	5.462 kVA
Total Power Factor	1.00 PF
Displacement Power Factor	1.00 dPF
Voltage THD	1.7%
Current THD	3.6%