

COMPRESSOR PERFORMANCE

Airbagit.com Suspension LLC

260 S. Hibbert Street
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 Phone 800-842-8789
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COMPRESSOR COMPARISON

ALL COMPRESSORS FILLED A 3 GALLON TANK, FROM 0 PSI TO 180 PSI.

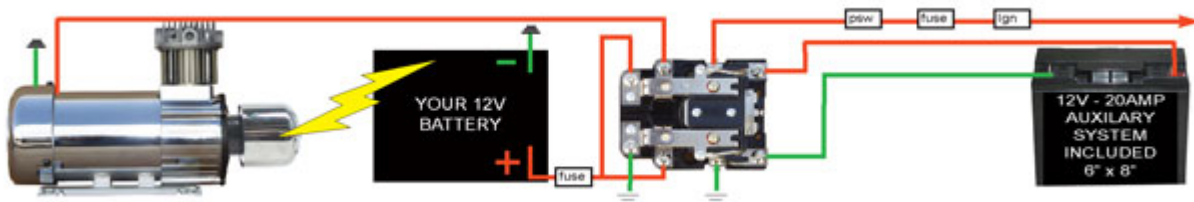
WORLD'S FASTEST DC8000 24 VOLT

	<u>50 PSI</u>	<u>100 PSI</u>	<u>150 PSI</u>	<u>180 PSI</u>
TIME	:24	:51	1:22	1:55
AMPS	27.6	30.6	30.0	25.9
VOLTAGE	25.9	25.6	25.7	26.1

DID THE UNIT RESTART UNDER PRESSURE AT 180 PSI: YES

MAXIMUM CYLINDER HEAD TEMP RECORDED: 243 DEGREES

NOTES: THIS IS A 24 VOLT UNIT SO THE AMPS ARE GENERALLY GOING TO BE HALF OF A 12 VOLT UNIT. IF IT WERE 12 VOLTS, IT WOULD BE PULLING OVER 60 AMPS!! THIS IS A VERY FAST COMPRESSOR FOR ITS SIZE. FILLED THE TANK ONE TIME, STARTING OUT WITH A COLD COMPRESSOR. IF YOU RAN IT 3 OR 4 TIMES (LIKE AN AIRBAG SETUP) IN A ROW, IT MAY CREATE EXCESSIVE HEAT AND DAMAGE TO THE PISTON RING. YOU DEFINITELY HAVE TO RUN STAINLESS STEEL HOSE OFF THE HEAD. IT WILL MELT A NORMAL HOSE FAST. THIS COMPRESSOR COMES WITH AN AUXILIARY BATTERY AND RELAY TO ENABLE IT TO CHARGE ON YOUR NORMAL 12 SYSTEM, BUT RUN ON 24V. *2nd small motorcycle battery included to create 24V system



NEXT FASTEST DC7000 12 VOLT

	<u>50 PSI</u>	<u>100 PSI</u>	<u>150 PSI</u>	<u>180 PSI</u>
TIME	:30	1:26	2:23	3:33
AMPS	35.0	40.2	37.8	31.6
VOLTAGE	12.73	12.39	12.50	12.93

DID THE UNIT RESTART UNDER PRESSURE AT 180 PSI: YES

MAXIMUM CYLINDER HEAD TEMP RECORDED: 205 DEGREES

NOTES: THIS IS VERY FAST FOR ITS SIZE. PUTS OUT A FULL 3/4 HORSEPOWER IN MOST OF ITS RANGE. VIBRATES MORE THAN THE DC05. MAY NOT BE THE BEST CHOICE FOR 4 CYLINDER CARS AS IT DOES DRAW A LOT OF AMPS AND MAY PULL THE ELECTRICAL SYSTEM DOWN. NO PROBLEM RESTARTING UNDER PRESSURE!!

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3RD. FASTEST DC5000 12 VOLT

	<u>50 PSI</u>	<u>100 PSI</u>	<u>150 PSI</u>	<u>180 PSI</u>
TIME	:45	1:49	2:57	4:37
AMPS	27.4	32.0	29.7	26.8
VOLTAGE	13.2	12.82	12.98	13.20

DID THE UNIT RESTART UNDER PRESSURE AT 180 PSI: YES *Pressure release valve can be purchased to ensure.

MAXIMUM CYLINDER HEAD TEMP RECORDED: 208 DEGREES

NOTES: SMOOTHEST RUNNING COMPRESSOR OF THE BUNCH. SLOWEST RPM MOTOR, BUT HAD VERY LINEAR TORQUE. THE DC5000 WILL RESTART MOST OF THE TIME UNDER HIGHER PRESSURES! A PRESSURE RELEASE VALVE CAN BE PURCHASED FOR \$15 FOR HIGH PRESSURE RESTARTS. THE UNIT DID FEEL LIKE IT COULD RUN FOREVER, NICE AND QUIET. MEASURES OUT AS A 1/2 HORSEPOWER MOTOR THROUGH MOST OF ITS OPERATING RANGE. STRONG MOTOR. This is definitely the compressor that will run the smoothest and last the longest.

4TH. FASTEST DC5000 12 VOLT

	<u>50 PSI</u>	<u>100 PSI</u>	<u>150 PSI</u>	<u>180 PSI</u>
TIME	:30	1:30	3:00	N/A
AMPS	35.0	40.2	37.8	N/A
VOLTAGE	12.73	12.39	12.50	N/A

DID THE UNIT RESTART UNDER PRESSURE AT 180 PSI:

NOT KNOWN MAXIMUM CYLINDER HEAD TEMP RECORDED: 205 DEGREES

NOTES: VIAR DID NOT PUBLISH RESULTS OVER 150psi

5TH. FASTEST ARP-550 12 VOLT

	<u>50 PSI</u>	<u>100 PSI</u>	<u>150 PSI</u>	<u>180 PSI**</u>
TIME	:52	1:58	3:42	6:26**
AMPS	20.0	25.0	18.0	19.4
VOLTAGE	12.84	13.53	13.99	16.00

DID THE UNIT RESTART UNDER PRESSURE AT 180psi: YES

MAXIMUM CYLINDER HEAD TEMP RECORDED: 112 DEGREES

NOTES: IT IS VERY FAST FROM 0 TO 100 PSI. THE MOTOR IS 3/4 HORSEPOWER, BUT HAS A VERY GOOD TORQUE RATING. IT MAXED OUT AT 208PSI. IT WAS THE COOLEST RUNNING COMPRESSOR I'VE EVER TOUCHED. EVEN THE AIR FITTING COMING OUT OF THE HEAD WAS ONLY WARM TO THE TOUCH.

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6TH. FASTEST DC2000 12 VOLT

	<u>50 PSI</u>	<u>100 PSI</u>	<u>150 PSI</u>	<u>180 PSI</u>
TIME	1:21	4:00	7:24	11:40
AMPS	17.8	16.1	14.0	12.9
VOLTAGE	13.82	14.24	14.52	14.66

DID THE UNIT RESTART UNDER PRESSURE AT 180 PSI: NO

MAXIMUM CYLINDER HEAD TEMP RECORDED: 205 DEGREES

NOTES: UNIT SHOULD BE LIMITED TO 125 PSI MAX PRESSURE. MOTOR NOT STRONG ENOUGH TO SUPPORT THE HIGHER PSI THAT AIRBAGS REQUIRE. STARTED TO SMELL "HOT". . *This is an excellent compressor, but it is best suited for a towing package with a one gallon tank, where only "normal" demands are made. It will run forever