

# **IMPACT® MODEL 73X SPECIFICATIONS**

## **OPERATING MODES**

<b>OXYGEN:</b>	<b>Control, Assist/Control</b>
<b>COMPRESSOR:</b>	<b>Control, Assist/Control</b>
<b>FLOW RATE:</b>	<b>30 LPM, constant flow</b>
<b>BREATHING RATE:</b>	<b>Adjustable, 10, 12, 14, 16, 18, 20 BPM</b>
<b>TIDAL VOLUME:</b>	<b>300 to 1000 ml, ATPD</b>
<b>INSPIRATORY TIME:</b>	<b>Variable based on selected BREATHING RATE and TIDAL VOLUME</b>
<b>FiO<sub>2</sub>:</b>	<b>21% using ambient air or 100% with external oxygen source</b>
<b>O<sub>2</sub> Input Pressure:</b>	<b>55 PSI (-25%; + 20%)</b>
<b>AIRWAY PRESSURE LIMIT:</b>	<b>Adjustable, 15 to 80 cmH<sub>2</sub>O</b>
<b>MAXIMUM AIRWAY PRESSURE:</b>	<b>80 cm H<sub>2</sub>O using AIRWAY PRESSURE LIMIT/ALARM, 100 cm H<sub>2</sub>O mechanical backup</b>
<b>BREATH TRIGGER:</b>	<b>-2.0 cmH<sub>2</sub>O</b>
<b>LED BAR GRAPH:</b>	<b>Pressure Range: -2 to 90 cmH<sub>2</sub>O Battery Capacity Range: Green/Yellow/Red</b>
<b>LED ALARM INDICATORS:</b>	<b>Ext Power Low/Fail, Low Battery, Low Oxygen, Vt Setting, Patient Disconnect, High Airway Pressure and System Failure</b>
<b>ALARM MUTE:</b>	<b>Yes, 30-seconds</b>
<b>ALARM VOLUME:</b>	<b>85 dBA @ 1 ft</b>
<b>NOISE LEVEL:</b>	<b>Less than 75 dBA when measured @ 1-meter (compressor modes)</b>
<b>OPERATING VOLTAGE:</b>	<b>12 VDC (nominal)</b>
<b><u>OPERATING TIME</u></b>	
<b>INTERNAL BATTERIES:</b>	<b>Compressor: approximately 6 hours @ average adult settings Oxygen: approximately 12 hours @ average adult settings</b>
<b>EXTERNAL 12 V:</b>	<b>Continuous (from AC-DC converter or automotive power source)</b>
<b><u>TEMPERATURE RANGES</u></b>	
<b>OPERATING:</b>	<b>-25° C to 49° C (-13° F to 120° F)</b>
<b>CHARGING:</b>	<b>0° C to 40° C (32° F to 104° F)</b>
<b>LONG TERM STORAGE:</b>	<b>10° C to 30° C (50° F to 86° F)</b>
<b>ENCLOSURE:</b>	<b>Polycarbonate with clear door Battery compartment accessible without tools</b>

**SIZE**

**VENTILATION SYSTEM:** 8.87" Wide x 11.5" High x 4.5" Deep  
22.55 cm Wide x 29.21 cm High x 11.43 cm Deep  
**AC POWER SUPPLY (supplied):** 2.38" Wide x 5.23" High x 1.60" Deep  
6.05 cm Wide x 13.28 cm High x 4.06 cm Deep

**WEIGHT**

**VENTILATOR:** 11 lbs  
4.54 Kg

**COMPLETE KIT:** 13.2 lbs  
5.99 Kg

**KIT CONTENTS:** Ventilator, AC-DC Power Supply, 12 VDC Automotive Power Cable, Ventilator Circuit, Padded Case, (2) Fuses, 6' Oxygen Hose, Operation Manual (on CD), Fresh Gas/Emergency Air Intake Filter, AC Power Cord

**WARRANTY:** Limited, 1-year (see LIMITED WARRANTY statement)

**Note:** Impact Instrumentation, Inc. reserves the right to change these specifications without prior notification.

p/n 929-073x-00 Rev A Updated 10/11