

IMPACT[®] Eagle[™] Model 754 SPECIFICATIONS

OPERATING MODES:	ACV - with/without PEEP, SIGH, PRESSURE PLATEAU SIMV - with/without PEEP, SIGH, PRESSURE PLATEAU CPAP - with/without PEEP CMV - for APNEA backup of ACV, SIMV and CPAP
DELIVERABLE GAS(ES):	Air (Internal Compressor, external 50-PSI); Oxygen (external 50-PSI)
TIDAL VOLUME RANGE:	0 to 3000ml
FIO₂:	Adjustable, 21% to 100% (Internal Air/Oxygen Mixer), resolution in 1% increments, accurate to within +/- 10%
VENTILATION RATE:	Adjustable, 1 to 150 breaths per minute, resolution 1 breath/min
INSPIRATION TIME:	Adjustable, 0.1 to 3.0 seconds, resolution in 0.1 sec
I:E RATIO:	1:1 Preset, Adjustable 1:1 to 1:599
SENSITIVITY:	Default, 1.5 to 2.0 cmH₂O; adjustable, 1.0 to 6.0 cmH₂O
FLOW RATE:	Adjustable, 0 to ~60 LPM (0 to ~1000 ml/sec)
PEEP:	Adjustable, 1 to 20 cmH₂O, resolution in 1 cmH₂O
SIGH:	150% V_T, once every 100-breaths or 7-minutes, whichever comes first
LOW PRESSURE ALARM:	Adjustable, 0 to 50 cmH₂O, resolution in 1 cmH₂O
HIGH PRESSURE ALARM:	Adjustable, 15 to 100 cmH₂O, resolution in 1 cmH₂O
PRESSURE PLATEAU:	Range, 5 to 90 cmH₂O
PEAK INSPIRATORY PRESSURE RELIEF:	Adjustable, 15 to 100 cmH₂O, resolution in 1 cmH₂O
LED ALARM INDICATORS:	Alarm, System Failure
ALARM VOLUME:	80 dBA @ 1 ft
MANUAL BREATH/TRIGGER:	Yes
ALTITUDE COMPENSATION:	Yes
INTERNAL BACKUP VENTILATOR:	Yes
RS-232C COMMUNICATIONS PORT:	Yes
LIQUID CRYSTAL DISPLAY:	Control settings, Battery and Alarm Status, Pressure Waveform, and Digital Bar Graph
LED INDICATORS:	CHARGE, ALARM, SYSTEM FAILURE
LCD DIGITAL BAR GRAPH:	Range -10 to 100 cmH₂O
USER PROGRAM MENU:	LCD Backlight Threshold, LCD Contrast, Trigger Level Sensitivity, Spontaneous Flow, Demonstration Mode
CERTIFICATION:	EMI/RFI Certified (Includes aeromedical)

TEMPERATURE RANGES:

Operating: -25° C to 49° C (13° F to 120° F)
Charging: -20° C to 50° C (-4° F to 122° F)
Long Term Storage: 10° C to 30° C (50° F to 80° F)

NOISE LEVEL:

Less than 80 dBA when measured @ 1 meter (compressor operating)

OPERATING VOLTAGES:

Ventilator: 11-15 volts, DC (negative ground)
Universal AC Power Supply: Standard - Input: 100 to 240 VAC, 50/60 HZ, autosensing

OPERATING TIME:

Battery: 3-hours, maximum, using internal compressor;
12-hours using external gas
External AC or DC: Continuous

SIZE: Ventilator:

8.87" W x 11.5" H x 4.5" D (22.55 cm W x 29.21 cm H x 11.43 cm D)

AC Power Supply (standard):

7.75" W x 2.62" H x 4.75" D (19.69 cm W x 6.65 cm H x 12.07 D)

WEIGHT: Ventilator:

13 lbs (5.8 Kg)

AC Power Supply (standard): 3.00 lbs (1.36 Kg)

WARRANTY:

Limited, 1-year

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

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