

Model	ES-7800AM	ES-7700AM	ES-7500AM	ES-7200AM	ES-7300AM	ES-7400AM
Appearance 						
Regulation	CE marked, comply with FDA	CE marked	CE marked	CE marked	CE marked	CE marked
Meet low flow require	Yes	Yes	Yes	Yes	Yes	Yes
Switch from ventilator to manual without reconnecting the circuit	Yes	Yes	NO	NO	Yes	NO
Gas supply (pipe line)	Air, O ₂ , N ₂ O	Air, O ₂ , N ₂ O	Air, O ₂ , N ₂ O	O ₂ , N ₂ O	Air, O ₂ , N ₂ O	O ₂ , N ₂ O
Backup gas	Standard	Standard	Standard	Standard	Standard	Standard
	YOKE(EU&US):O ₂ ,N ₂ O,Air	YOKE(EU&US):O ₂ ,N ₂ O,Air(optional)	YOKE(EU&US):O ₂ ,N ₂ O	YOKE(EU&US):O ₂ ,N ₂ O	YOKE(EU):O ₂ ,N ₂ O	YOKE(EU&US):O ₂ ,N ₂ O
	---	Bull Nose (EU)	Bull Nose (EU&US)	---	---	Bull Nose (EU&US)
Connection of cylinder (YOKE)	Pin-indexed	Pin-indexed	Pin-indexed	Pin-indexed	Pin-indexed	Pin-indexed
Flowmeters	O ₂ : 0.05~1L/min;1.1~10L/min N ₂ O:0.05~1L/min;1.1~10L/min Air: 0.05~1L/min; 1.1~12L/min	O ₂ : 0.05~1L/min;1.1~10L/min N ₂ O:0.05~1L/min;1.1~12L/min Air: 0.05~1L/min; 1.1~15L/min	O ₂ :0.05 to 1L/min;1.1 to 10L/min N ₂ O:0.05 to 1L/min;1.1 to 10L/min Air:0.1 to 10L/min	O ₂ :0.05~1L/min 1.1~10L/min N ₂ O:0.05~1L/min 1.1~10L/min	O ₂ : 0.05~1L/min;1.1~10L/min N ₂ O:0.05~1L/min;1.1~10L/min Air: 0.05~1L/min; 1.1~10L/min	O ₂ :0.05~1L/min 1.1~10L/min N ₂ O:0.05~1L/min 1.1~10L/min
Number of tubes	six tubes	six tubes	five tubes (1 tube for air)	four tubes	six tubes	four tubes
Aux. O ₂ outlet	Yes	Yes	-----	-----	-----	-----
Aux. flowmeter	Yes, O ₂ and Air	Yes, O ₂	-----	-----	-----	-----
Gas system	O ₂ deficiency alarm Hypoxic guard system O ₂ flush:25-75L/min	O ₂ deficiency alarm Hypoxic guard system O ₂ flush:25-75L/min	O ₂ deficiency alarm Hypoxic guard system O ₂ flush:25-75L/min	O ₂ deficiency alarm Hypoxic guard system O ₂ flush:25-75L/min	O ₂ deficiency alarm Hypoxic guard system O ₂ flush:25-75L/min	O ₂ deficiency alarm Hypoxic guard system O ₂ flush:25-75L/min
Absorber Circuit	Integrated absorber	Integrated absorber	Integrated absorber	Integrated absorber	Integrated absorber	Integrated absorber
Contact heater integrated in the interface for warming up the circuit	Yes	Yes	-----	-----	-----	-----
AGSS (anesthesia gas scavenging system)	Optional	Optional	Optional	Optional	Optional	Optional
Working mode	closed, semi-closed, semi-open	closed, semi-closed, semi-open	closed, semi-closed, semi-open	closed, semi-closed, semi-open	closed, semi-closed, semi-open	closed, semi-closed, semi-open
Possibility for connecting for pediatric bellows	NO	NO	Yes	Yes	NO	Yes
Driven mode	pneumatically driven and electronically controlled	pneumatically driven and electronically controlled	pneumatically driven and electronically controlled	pneumatically driven and electronically controlled	pneumatically driven and electronically controlled	pneumatically driven and electronically controlled
Operating mode	Man./Vent.	Man./Vent.	Man./Vent.	Man./Vent.	Man./Vent.	Man./Vent.
Safety valve	≤8.5Kpa	≤8.5Kpa	≤8Kpa	≤8Kpa	≤8Kpa	≤8Kpa
Patient type	adult / pediatric / neonate	adult / pediatric / neonate	adult / pediatric	adult / pediatric	adult / pediatric	adult / pediatric
Ventilation modes	Standby, IPPV, PCV, SIMV, PS, Manual	Standby, IPPV, PCV, SIMV, PS, Manual	Standby, IPPV, PCV, SIMV,Manual	Standby, IPPV, PCV, SIMV,Manual	IPPV, PCV, SIPPV,SIMV,SPO NT, Manual	IPPV, Manual
Tidal volume	20-1400ml	20-1500ml	0, 50-1500ml	0, 50-1600ml	0-1600ml	0-1500ml
Compliance and leakage compensation	Yes	Yes	Yes	Yes	Yes	-----
Ventilation frequency	4-60bpm	4-100bpm	4-100bpm	4-100bpm	4-100bpm	6-60bpm
I:E ratio	4:1-1:5	4:1-1:8	2:1-1:8	2:1-1:8	4:1-1:8	2:1-1:4
Pressure control	5-70cmH ₂ O	5-70cmH ₂ O	5-70cmH ₂ O	5-60cmH ₂ O	-----	-----
P-peep	3-30cmH ₂ O	3-30cmH ₂ O	0-20cmH ₂ O	0-20cmH ₂ O	0-20cmH ₂ O	0-20cmH ₂ O
Inspiratory plateau	off, 5%-60%Ti	off, 5%-60%Ti	off, 5%-50%Ti	off, 5%-50%Ti	off, 5%-60%Ti	-----
SIMV trigger mode	Flow	Flow	Flow	Flow	Flow&Pressure	-----

Trigger sensitivity	1-15L/min	1-15L/min	2-30L/min	2-30L/min	2-30L/min0 ~ - 20 cmH2O	-----
High pressure	10-80cmH ₂ O	10-80cmH ₂ O	20-80cmH ₂ O	20-80cmH ₂ O	20-80cmH ₂ O	20-60cmH ₂ O
Low pressure	0-70cmH ₂ O	0-70cmH ₂ O	0-20cmH ₂ O	0-20cmH ₂ O	0-20cmH ₂ O	0-20cmH ₂ O
Display	10.4" TFT color screen	10.4" TFT color screen	10.4" TFT color screen	5.7" TFT color screen	7" TFT color screen	High quality LED
Monitoring	Pressure: Paw, Ppeak, Pplat, Pmean,PEEP Volume: MV, Vt Breath rate Gas: FiO ₂ Graph display: P-T, F-T, V-T waveforms&p-v, f-v loops. loop frozen	Pressure: Paw, Ppeak, Pplat, Pmean,PEEP Volume: MV, Vt Breath rate Gas: FiO ₂ Compliance Graph display: P-T, F-T, V-T waveforms&p-v, f-v loops. loop frozen	Pressure: Paw, Ppeak, Pplat, Volume: MV, Vt Breath rate Gas: FiO ₂ Compliance Graph display: p-t, f-t, v-t waveforms&p-v, f-v loops.	Pressure: Paw, Ppeak, Pplat, Pmean,PEEP Volume: MV, Vt Breath rate Gas: FiO ₂ Compliance Graph display: p-t, f-t, v-t waveforms	Pressure: Paw, Ppeak, Pplat, Pmean,PEEP Volume: MV, Vt Breath rate Gas: FiO ₂ Graph display: P-T, F-T waveforms	Pressure: Paw Volume: MV, Vt Breath rate
Alarm	Pressure:Paw high/low limit Volumes:MV high/low limit High limit of breath rate Gas: FiO ₂ high/low limit Apnea Airway pressure high High peep level Power failure Low O ₂ supply pressure	Pressure:Paw high/low limit Volumes:MV high/low limit High limit of breath rate Gas: FiO ₂ high/low limit Apnea Airway pressure high High peep level Power failure Low O ₂ supply pressure	Pressure:Paw high/low limit Volumes:MV high/low limit High limit of breath rate Gas: FiO ₂ high/low limit Apnea Airway pressure high power failure low O ₂ supply pressure	Pressure:Paw high/low limit Volumes:MV high/low limit High limit of breath rate Gas: FiO ₂ high/low limit Apnea Airway pressure high high peep level power failure low O ₂ supply pressure	Pressure: Paw high/low limit Volumes: MV high/low limit Gas: FiO ₂ high/low limit Airway pressure high Power failure Low O ₂ supply pressure	Pressure:Paw high/low limit power failure low O ₂ supply pressure Power failure alarm
Vaporizer	support 2 vaporizer (selectatec compatible) Agent type: Halothane, Enflurane, Isoflurane, Sevoflurane available	support 2 vaporizer (selectatec compatible) Agent type: Halothane, Enflurane, Isoflurane, Sevoflurane available	support 2 vaporizer (selectatec compatible) Agent type: Halothane, Enflurane, Isoflurane, Sevoflurane available	support 2 vaporizer (selectatec compatible) Agent type: Halothane, Enflurane, Isoflurane, Sevoflurane available	support 2 vaporizer (selectatec compatible) Agent type: Halothane, Enflurane, Isoflurane, Sevoflurane available	single vaporizer (selectatec compatible) Agent type: Halothane, Enflurane, Isoflurane, Sevoflurane available
Vaporizer filling type	pour/quick/key filler	pour/quick/key filler	pour/quick/key filler	pour/quick/key filler	pour/quick/key filler	pour/quick/key filler
Care design	flowmeter backlight & bright adjustable endoscope light system; integrated CO ₂ circle absorber with heating system.	flowmeter backlight & bright adjustable endoscope light system; integrated CO ₂ circle absorber with heating system.	toplight, solid coating and anti-dust smooth surface	solid coating and anti-dust smooth surface	solid coating and anti-dust smooth surface	solid coating and anti-dust smooth surface
Dimensions	650 x 1380 x 690 mm	1000 x 1400 x 770 mm	930 x 1354 x 620 mm	824 x 1382 x 680 mm	839 x 1386 x 628 mm	890 x 1335 x 620 mm
Weight	148kg	148kg	120kg	110kgs	86kgs	75kgs
Storage temperature	-20 ~ +55°C	-20 ~ +55°C	-20 ~ +55°C	-20 ~ +55°C	-20 ~ +55°C	-20 ~ +55°C
Working temperature	+10 ~ +40°C	+10 ~ +40°C	+10 ~ +40°C	+10 ~ +40°C	+10 ~ +40°C	+10 ~ +40°C
Storage humidity	≤93%	≤93%	≤93%	≤93%	≤93%	≤93%
Frame	aluminium alloy	aluminium alloy	aluminium alloy	aluminium alloy	aluminium alloy	aluminium alloy
Castor	4 antistatic castor, 2 of them with brake	4 antistatic castor, 2 of them with brake	4 antistatic castor, 2 of them with brake	4 antistatic castor, 2 of them with brake	4 antistatic castor, 2 of them with brake	4 antistatic castor, 2 of them with brake
Drawers qty	3 drawers	3 drawers	2 drawers	2 drawers	2 drawers	1 drawer
Drawers lock	Yes	No	No	No	No	No
Mains	100-240V AC, 50-60Hz	100-240V AC, 50-60Hz	100-240V AC, 50-60Hz	100-240V AC, 50-60Hz	100-240V AC, 50-60Hz	100-240V AC, 50-60Hz
Battery	24V DC, minimum 120min	24V DC, minimum 120min	24V DC, minimum 90min	24V DC, minimum 90min	24V DC, minimum 90min	None
Power consumption	≤8A	≤8A	≤5A	≤5A	≤5A	≤5A



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