

KnightStar™ 330 **Bi-Level® Ventilator**

**Every so often a product
comes along and
changes the rules**

**BI-LEVEL
VENTILATION
PERFORMANCE
THAT WILL
FIT IN
THE PALM OF
YOUR HAND**



tyco

Healthcare

Puritan Bennett

Yes, really!

Yes, the KnightStar® 330 Bi-Level® Ventilator really does give you the performance of those larger, more expensive bi-levels. So small, so powerful, so quiet and yet so cost-efficient, it will change your perspective on non-invasive ventilation.

















Talk about change. The new Puritan Bennett KnightStar® 330 ventilator marks a turning point in non-invasive ventilation.

It will change your concept of size and weight. The KnightStar® 330 is so small and light-weight, you won't believe your eyes. It's designed to go and be used just about anywhere. Weighing just under 1.3 kg, it practically fits in the palm of your hand. Patients will find it easy to pack and easy to carry. Gone are many of the hassles associated with patient immobility, patient compliance and high maintenance.

It will change what you hear. The KnightStar® 330 is so incredibly quiet, you will hardly know it's running. Neither will your patients. In fact, you'd be hard-pressed to find a quieter bi-level ventilator on the market. The KnightStar® 330 is destined to be the hallmark of bi-level ventilator technology for a long time to come.

Easy-to-use and loaded with features, the revolutionary KnightStar® 330 really is changing the rules – and it just could change your mind about what non-invasive ventilation means to your clinical practice and patients.



-  Pressure range from 3 to 30 cm H₂O
-  Three modes of ventilation (CPAP, I/E & A/C)
-  Adjustable backup rate and I: E ratio in A/C mode
-  Ramp feature with adjustable ramp start pressure
-  Inspiratory & expiratory trigger sensitivities
-  Adjustable rise time settings
-  Adjustable mask leakflow setting
-  High & Low pressure, leak and power failure alarm capabilities
-  Adjustable alarm volume
-  Display of actual ventilation parameters (BPM, V_T, P, V_{leak}, I:E ratio)
-  Intuitive user interface & internal memory
-  Patient lockout feature
-  International power supply (100 – 240V) and optional 12V battery
-  30 dBA @ 10 cm H₂O
-  Weighs less than 1.3 kg
-  Optional passover humidifier

tyco

Healthcare

Puritan Bennett

Yes, really!



Yes, the KnightStar® 330 Bi-Level® Ventilator really does give you the performance of those larger, more expensive bi-levels. So small, so powerful, so quiet and yet so cost-efficient, it will change your perspective on non-invasive ventilation.









Talk about change. The new Puritan Bennett KnightStar® 330 ventilator marks a turning point in non-invasive ventilation.

It will change your concept of size and weight. The KnightStar® 330 is so small and lightweight, you won't believe your eyes. It's designed to go and be used just about anywhere. Weighing just under 1.3 kg, it practically fits in the palm of your hand. Patients will find it easy to pack and easy to carry. Gone are many of the hassles associated with patient immobility, patient compliance and high maintenance.

It will change what you hear. The KnightStar® 330 is so incredibly quiet, you will hardly know it's running. Neither will your patients. In fact, you'd be hard-pressed to find a quieter bi-level ventilator on the market. The KnightStar® 330 is destined to be the hallmark of bi-level ventilator technology for a long time to come.

Easy-to-use and loaded with features, the revolutionary KnightStar® 330 really is changing the rules – and it just could change your mind about what non-invasive ventilation means to your clinical practice and patients.



-  Pressure range from 5 to 20 cmH₂O
-  Three modes of ventilation: CPAP, S/T, and BiPAP
-  Adjustable backup rate
-  Ramp feature with 15 levels
-  Inspiratory & expiratory flow
-  Adjustable rise time
-  Adjustable mask leak compensation
-  High & Low pressure alarms

tyco
Healthcare

Puritan Bennett



Actual Size

Pressure range from 3 to 30 cm H₂O

Supports CPAP, I/E & A/C

Adjustable I:E ratio in A/C mode

Adjustable ramp start pressure

Adjustable respiratory trigger sensitivities

Adjustable pressure settings

Adjustable leakflow setting

Pressure, leak and power failure alarm capabilities



Adjustable alarm volume



Display of actual ventilation parameters (BPM, V_T, P_r, V̇_{leak}, I:E ratio)



Intuitive user interface & internal memory



Patient lockout feature



International power supply (100 – 240V) and optional 12V battery



30 dBA @ 10 cm H₂O



Weighs less than 1.3 kg



Optional passover humidifier

KnightStar® 330

Bi-Level® Ventilator



Ordering Information

REF	Description
Y-KS330-EU	KnightStar® 330 (GE, FR, DU)*
Y-KS330-IN	KnightStar® 330 (EN, IT, SP)*
Y-KS330-UK	KnightStar® 330 (EN, IT, SP)*
M-261000-27	Hytrex patient circuit 1.8 m
M-261000-30	Hytrex patient circuit 2.7 m
Y-615155-03B	O ₂ adapter
L-6108	Bacteria filter
Y-101922-00A	Air inlet filter
Y-102938-00	Passover humidifier kit
M-229930-00	Humidifier pressure line extension
E-0004101	Carrying case
Y-102913-00	Cigarette lighter cable
Y-CGVPE	Battery kit (32 Ah)
Y-CGVPT7120	Battery kit (7 Ah)
Y-101400-00	Breeze® mask system
Y-102616-00	DreamSeal® mask system

Contact your local dealer or Tyco Healthcare for more information about various battery kits and chargers.

*) EN = English; GE = German; FR = French;
IT = Italian; SP = Spanish; DU = Dutch

Note: UK power cord will be delivered with Y-KS330-UK only. All other partnumbers will be delivered with the standard European power cord.

Specifications

- 3 modes of ventilation (CPAP, I/E & A/C)
- Pressure Range:
 - 3 – 30 cm H₂O (I/E & A/C)
 - 3 – 20 cm H₂O (CPAP)
- Adjustable backup rate and I:E ratio in A/C mode
- Ramp feature with adjustable ramp start pressure
- Inspiratory & expiratory trigger sensitivities
- Adjustable rise time settings
- Adjustable mask leakflow setting
- High and Low Pressure alarms
- Leak and power failure alarm capabilities
- Adjustable alarm volume
- Display of actual ventilation parameters
- Patient lockout feature
- Automatic altitude compensation
- Internal memory
- RS232 interface
- Input voltage:
 - 100 – 240 VAC or 12 VDC
- Rated power consumption:
 - 140 VA
- Weight:
 - 1.23 kg
- Dimensions:
 - 20.95 x 14.27 x 9.52 cm (W x D x H)
- Noise level:
 - 30 dBA at 10 cm H₂O in 1m distance

KnightStar and *Bi-Level* are registered trademarks of Puritan Bennett.

Specifications are subject to change without notification.

© 2002 Tyco Healthcare. All rights reserved.

PC-KnS330/GB



tyco
Healthcare

Puritan Bennett

Tyco Healthcare UK Limited
154 Fareham Road
GOSPORT
Hampshire
PO13 0AS
UK
Tel: +44 (0) 1329 224226
Fax: +44 (0) 1329 224334

Tyco Healthcare
Birchwood Court
Montrose Road
P.O. Box 8108
Halfway House
1685 MIDRAND
SOUTH AFRICA
Tel: +27 (0) 11 265 2000
Fax: +27 (0) 11 265 2050

Tyco Healthcare Regional Export
154 Fareham Road
GOSPORT
Hampshire
PO13 0AS
UK
Tel: +44 (0) 1329 224258
Fax: +44 (0) 1329 224086

Tyco Healthcare Norden AB
Gårdsvägen 18
SE-169 67 SOLNA
SWEDEN
Tel: +46 (0) 8 585 605 05
Fax: +46 (0) 8 585 605 06
www.tycohealth.com

Tyco Healthcare Nederland BV
Hogeweg 105
5301 LL ZALTBOMMEL
The NETHERLANDS
Tel: +31 418 57 66 00
Fax: +31 418 57 67 93
TycoHealthNed@TycoHealth.com
www.tycohealthcare.nl

Tyco Healthcare Belgium N.V.-S.A.
Generaal de Wittelaan 9/5
B-2800 MECHELEN
BELGIUM
Tel: +32 (0) 15 29 44 50
Fax: +32 (0) 15 29 44 55
tycohealthcare.belgium@tycohealth.be