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NITE Systems

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NITE Phoenix System

The NITE Phoenix is the ultimate in battery-powered electric air conditioning systems. It is designed to keep sleeper compartments cool in even the hottest climates without idling the engine. Automatic temperature control assists in keeping the sleeper compartment at a comfortable temperature year round. NITE Phoenix is available in A/C only as well as a combo configuration that provides both cooling and heating capabilities. Optional heating systems will require small amounts of diesel usage.

The NITE Phoenix requires four additional auxiliary batteries that meet the following criteria: AGM (Absorbed Glass Mat), deep cycle group 27 or 31. Use of any non-approved battery technology will automatically void any warranty and may impede the performance of the NITE system. Lithium Ion battery technology is being developed for the Phoenix unit.

Please see www.nitesystems.com for updates.

To obtain information about any of the NITE systems go to www.nitesystem. com or call toll free 1-866-204-8570

CARB approved [# 08-643-004]



NITE A/C System with Digital Controller

- Cooling Capacity 7500 BTU/h
- Voltage 12 Volts D.C.
- Weight 70 lbs.
- Unit Dimensions 22.0" L x 17.0" W x 11.0" H
- Sealed hermetic system eliminates refrigerant leaks
- Variable speed compressor for greater efficiency
- All 12VDC components requires no power inverter
- · Brushless DC (BLDC) technology
- Patented technology

Digital Controller

- · LCD Digital Display
- Auto Temp Control
- · Diagnostic Broadcast
- Unit Runtime Broadcast
- · Service Info Broadcast

Battery Monitoring System

- · Provides data on any batteries state of charge
- Aux battery state of health
- Aux and truck batteries voltage

Engineered Power Source System

- Deep cycle battery system
- Maintenance-free design
- UL recognized
- Pressure relief safety valve
- Meets Mil-B-8565J for hydrogen gas emmisions
- Low voltage cutout

NITE Phoenix System

NITE Phoenix System

Description	Part No.
Nite, Standard A/C ONLY System (No Heater & Base Kit)	1000230789
NITE, Standard Combo System (with Heater & Base Kit) (Espar)	1000230787

NITE Phoenix Application Chart for Installation Kits

Make	Model	Part No.
Freightliner	Any model - Under bunk mounting	4420001
International	9000i Mfg before 06/02, 9000i Mfg after 06/02	4420002
International	ProStar, LoneStar	4420007
Kenworth	Classic Sleeper	4420001
Kenworth	T2000	4420003
Kenworth	Sofa Sleeper	4420008
Mack	Vision, CH, CL, CXU, CXN	4420001
Peterbilt	377, 379, 386, 388, with 36", 48", or 63" Sleeper	4420001
Peterbilt	387, 379, 386, 388, 389 with 36", 48", or 63" Sleeper with Window, 377, 379, 386, 388, 389 with 70" Sleeper	4420004
Sterling	A-Line	4420001
Volvo	VN Classic Sleeper	4420001
Volvo	VN 77" Sleeper 780 with Work Station, VN 61" Sleeper 670 with Work Station	4420005
Western Star	4900, 4900EX, & 4900 Lomax	4420003

^{*} For Batteries and Battery Box options, please refer to the Battery Specifications on page 31

NITE Phoenix System NITE Phoenix Service Parts

"Phoenix Unit (No other parts, boxed)" Drain Tube	Description	Part No.
Drain Tube 4099082 Micro Relay 4099150 Linear Power Module 4475035 Upper Duct Louver 3275014 "Relay, 70A 12V w/Resistor" 4099086 Air Return Grill 4099106 Stealth Duct 4099116 Transition Duct 4099117 5 amp Fuse Holder 223109 60 amp Blue Fuse 4099170 20 amp Yellow Fuse 4099173 Power Harness (Aux Batteries to Unit) 4099180 100 amp Blt-On Mega Fuse 4099180 Holder 4099180 10 amp Bolt-On Mega Fuse 4099180 Holder 4475001 10 amp Bi-Stable Power 4475001 Relay Internal Unit Harness Service Kit Internal Phoenix Wire Harness 4475002 Kit Internal Phoenix Wire Harness 4475003 Phoenix Control Harness Extension 4475005 5 amp Fuse 4475006 4475006 Male Blade Terminal 4475007 Battery Monitor System Wire 4475008 <t< td=""><td></td><td>4475039</td></t<>		4475039
Micro Relay 4099150 Linear Power Module 4475035 Upper Duct Louver 3275014 "Relay, 70A 12V w/Resistor" 4099086 Air Return Grill 4099106 Stealth Duct 4099116 Transition Duct 4099117 5 amp Fuse Holder 223109 60 amp Blue Fuse 4099170 20 amp Yellow Fuse 4099173 Power Harness (Aux Batteries to Unit) 4099180 100 amp Blt-On Mega Fuse 4099188 300 amp Bl-Stable Power 4475001 Relay 4475002 Internal Unit Harness Service 4475002 Kit 4475002 Internal Phoenix Wire Harness 4475003 Phoenix Control Harness (Unit to Control) 4475004 Phoenix Control Harness Extension 4475005 5 amp Fuse 4475006 Male Blade Terminal 4475007 Battery Monitor System Wire 4475009 Harness 4475010 WYE DTM 3x2 Way Connector 4475010 WYE DTM 3x2 Way Connector 4475013	,	
Linear Power Module 4475035 Upper Duct Louver 3275014 "Relay, 70A 12V w/Resistor" 4099086 Air Return Grill 4099106 Stealth Duct 4099116 Transition Duct 4099117 5 amp Fuse Holder 223109 60 amp Blue Fuse 4099170 20 amp Yellow Fuse 4099173 Power Harness (Aux Batteries to Unit) 4099180 100 amp Blt-On Mega Fuse 4099180 Holder 4099180 10 amp Bolt-On Mega Fuse 4099188 300 amp Bi-Stable Power 4475001 Relay 4475001 Internal Unit Harness Service 4475002 Kit 4475002 Internal Phoenix Wire Harness 4475003 Phoenix Control Harness (Unit to Control) 4475004 Phoenix Control Harness Extension 4475005 Male Blade Terminal 4475007 Battery Monitor System Wire 4475008 Battery Monitor System Wire 4475009 Harness 4475010 WYE DTM 3x2 Way Connector 44	Drain Tube	4099082
Upper Duct Louver 3275014 "Relay, 70A 12V w/Resistor" 4099086 Air Return Grill 4099106 Stealth Duct 4099116 Transition Duct 4099117 5 amp Fuse Holder 223109 60 amp Blue Fuse 4099170 20 amp Yellow Fuse 4099173 Power Harness (Aux Batteries to Unit) 4099180 100 amp Blt-On Mega Fuse 4099180 Holder 4099188 300 amp Bi-Stable Power Relay 4475001 Internal Unit Harness Service Kit 4475002 Internal Phoenix Wire Harness 4475003 Phoenix Control Harness (Unit to Control) 4475004 Phoenix Control Harness Extension 4475005 5 amp Fuse 4475006 Male Blade Terminal 4475007 Battery Monitor System Wire 4475008 Battery Monitor System Wire 4475009 Harness 4475010 WYE DTM 3x2 Way Connector 4475011 DTM J1939 Resistor 4475012 Phoenix Upper Duct 4475015 ID	•	
"Relay, 70A 12V w/Resistor" 4099086 Air Return Grill 4099106 Stealth Duct 4099116 Transition Duct 4099117 5 amp Fuse Holder 223109 60 amp Blue Fuse 4099170 20 amp Yellow Fuse 4099173 Power Harness (Aux Batteries to Unit) 4099180 100 amp Blt-On Mega Fuse 4099180 Holder 4099188 300 amp Bi-Stable Power Relay 4475001 Internal Unit Harness Service Kit 4475002 Internal Phoenix Wire Harness 4475003 Phoenix Control Harness (Unit to Control) 4475004 Phoenix Control Harness Extension 4475005 5 amp Fuse 4475006 Male Blade Terminal 4475007 Battery Monitor System 4475008 Battery Monitor System Wire 4475009 Harness 4475010 WYE DTM 3x2 Way Connector 4475011 DTM J1939 Resistor 4475012 Phoenix Upper Duct 4475013 Template Board 4475015 Uric Grommet 0.56" ID x	Linear Power Module	4475035
Air Return Grill 4099106 Stealth Duct 4099116 Transition Duct 4099117 5 amp Fuse Holder 223109 60 amp Blue Fuse 4099170 20 amp Yellow Fuse 4099173 Power Harness (Aux Batteries to Unit) 4099180 100 amp Blt-On Mega Fuse 4099180 Holder 4099188 300 amp Bi-Stable Power 4475001 Relay 4475002 Internal Unit Harness Service 4475002 Kit 4475002 Internal Phoenix Wire Harness 4475003 Phoenix Control Harness (Unit to Control) 4475004 Phoenix Control Harness Extension 4475005 5 amp Fuse 4475006 Male Blade Terminal 4475007 Battery Monitor System 4475008 Battery Monitor System Wire 4475009 Harness 4475010 WYE DTM 3x2 Way Connector 4475011 DTM J1939 Resistor 4475012 Phoenix Upper Duct 4475013 Template Board 4475015		3275014
Stealth Duct 4099116 Transition Duct 4099117 5 amp Fuse Holder 223109 60 amp Blue Fuse 4099170 20 amp Yellow Fuse 4099173 Power Harness (Aux Batteries to Unit) 4099179 100 amp Blt-On Mega Fuse Holder 4099180 10 amp Bolt-On Mega Fuse 4099188 300 amp Bi-Stable Power Relay 4475001 Internal Unit Harness Service Kit 4475002 Internal Phoenix Wire Harness 4475003 Phoenix Control Harness (Unit to Control) 4475004 Phoenix Control Harness Extension 4475005 5 amp Fuse 4475006 Male Blade Terminal 4475007 Battery Monitor System 4475008 Battery Monitor System Wire 4475009 Harness 4475010 WYE DTM 3x2 Way Connector 4475011 DTM J1939 Resistor 4475012 Phoenix Upper Duct 4475013 Template Board 4475014 Wire Harness Grommet 0.62" 4475015 ID Grommet 0.56" ID x 1.25" OD 4475016	-	4099086
Transition Duct 4099117 5 amp Fuse Holder 223109 60 amp Blue Fuse 4099170 20 amp Yellow Fuse 4099173 Power Harness (Aux Batteries to Unit) 100 amp Blt-On Mega Fuse 4099180 Holder 4475001 Relay 10 amp Bi-Stable Power 8475002 Kit 10 Internal Unit Harness Service 8475002 Kit 10 Arron Wire Harness 10 Arron 10 Ar	Air Return Grill	4099106
5 amp Fuse Holder 223109 60 amp Blue Fuse 4099170 20 amp Yellow Fuse 4099173 Power Harness (Aux Batteries to Unit) 4099179 100 amp Blt-On Mega Fuse 4099180 Holder 4099188 300 amp Bi-Stable Power Relay 4475001 Internal Unit Harness Service Kit 4475002 Internal Phoenix Wire Harness 4475003 Phoenix Control Harness (Unit to Control) 4475004 Phoenix Control Harness Extension 4475005 5 amp Fuse 4475006 Male Blade Terminal 4475007 Battery Monitor System 4475008 Battery Monitor System Wire 4475009 Harness 4475010 WYE DTM 3x2 Way Connector 4475011 DTM J1939 Resistor 4475012 Phoenix Upper Duct 4475013 Template Board 4475015 Wire Harness Grommet 0.62" 4475016 Evap Top Gasket 4475019 Gasket 1.5x15x805 4475019 Gasket 1.5x14.5x227 4475020 NITE Phoenix Con	Stealth Duct	4099116
60 amp Blue Fuse 4099170 20 amp Yellow Fuse 4099173 Power Harness (Aux Batteries to Unit) 4099179 100 amp Blt-On Mega Fuse 4099180 Holder 4099188 300 amp Bi-Stable Power Relay 4475001 Internal Unit Harness Service Kit 4475002 Internal Phoenix Wire Harness 4475003 Phoenix Control Harness (Unit to Control) 4475004 Phoenix Control Harness Extension 4475005 5 amp Fuse 4475006 Male Blade Terminal 4475007 Battery Monitor System 4475008 Battery Monitor System Wire 4475009 Harness 4475010 WYE DTM 3x2 Way Connector 4475011 DTM J1939 Resistor 4475012 Phoenix Upper Duct 4475013 Template Board 4475014 Wire Harness Grommet 0.62" 4475015 ID Grommet 0.56" ID x 1.25" OD 4475016 Evap Top Gasket 4475019 Gasket 1.5x15x805 4475019 Gasket 1.5x14.5x227 4475020 NITE Phoenix Controls Kit	Transition Duct	4099117
20 amp Yellow Fuse 4099173 Power Harness (Aux Batteries to Unit) 4099179 100 amp Blt-On Mega Fuse Holder 4099180 10 amp Bolt-On Mega Fuse 300 amp Bi-Stable Power Relay 4475001 Internal Unit Harness Service Kit 4475002 Internal Phoenix Wire Harness 4475003 4475004 Phoenix Control Harness (Unit to Control) 4475004 Phoenix Control Harness Extension 4475005 5 amp Fuse 4475006 4475007 Battery Monitor System 4475008 4475009 Battery Monitor System Wire 4475009 4475010 WYE DTM 3x2 Way Connector 4475011 4475012 Phoenix Upper Duct 4475013 4475014 Wire Harness Grommet 0.62" ID 4475015 ID Grommet 0.56" ID x 1.25" OD 4475016 Evap Top Gasket 4475017 4475018 Gasket 1.5x15x805 4475019 4475020 NITE Phoenix Controls Kit 4475021	5 amp Fuse Holder	223109
Power Harness (Aux Batteries to Unit) 4099179 100 amp Blt-On Mega Fuse Holder 4099180 10 amp Bolt-On Mega Fuse Holder 4099188 300 amp Bi-Stable Power Relay 4475001 Internal Unit Harness Service Kit 4475002 Internal Phoenix Wire Harness 4475003 Phoenix Control Harness (Unit to Control) 4475004 Phoenix Control Harness Extension 4475006 Male Blade Terminal 4475007 Battery Monitor System 4475008 Battery Monitor System Wire Harness 4475009 Harness 4475010 WYE DTM 3x2 Way Connector 4475011 DTM J1939 Resistor 4475012 Phoenix Upper Duct 4475013 Template Board 4475015 Wire Harness Grommet 0.62" 4475015 ID Grommet 0.56" ID x 1.25" OD 4475016 Evap Top Gasket 4475018 Gasket 1.5x15x805 4475020 NITE Phoenix Controls Kit 4475021	60 amp Blue Fuse	4099170
to Unit) 100 amp Blt-On Mega Fuse Holder 10 amp Bolt-On Mega Fuse 4099188 300 amp Bi-Stable Power Relay Internal Unit Harness Service Kit Internal Phoenix Wire Harness 4475003 Phoenix Control Harness (Unit to Control) Phoenix Control Harness Extension 5 amp Fuse 4475006 Male Blade Terminal 4475007 Battery Monitor System 4475008 Battery Monitor System Wire 4475009 Harness Can Bus Wire Harness 4475010 WYE DTM 3x2 Way Connector 4475011 DTM J1939 Resistor 4475013 Template Board 4475014 Wire Harness Grommet 0.62" ID Grommet 0.56" ID x 1.25" OD 4475016 Evap Top Gasket 4475019 Gasket 1.5x15x805 4475020 NITE Phoenix Controls Kit 4475021	20 amp Yellow Fuse	4099173
Holder	,	4099179
300 amp Bi-Stable Power 4475001 Relay 4475002 Internal Unit Harness Service 4475002 Kit 4475003 Internal Phoenix Wire Harness 4475003 Phoenix Control Harness (Unit to Control) 4475004 Phoenix Control Harness Extension 4475005 5 amp Fuse 4475006 Male Blade Terminal 4475007 Battery Monitor System 4475008 Battery Monitor System Wire 4475009 Harness 4475010 WYE DTM 3x2 Way Connector 4475011 DTM J1939 Resistor 4475012 Phoenix Upper Duct 4475013 Template Board 4475014 Wire Harness Grommet 0.62" 4475015 ID Grommet 0.56" ID x 1.25" OD 4475016 Evap Top Gasket 4475017 Bottom Gasket 4475019 Gasket 1.5x15x805 4475019 Gasket 1.5x14.5x227 4475021 NITE Phoenix Controls Kit 4475021		4099180
300 amp Bi-Stable Power 4475001 Relay 4475002 Internal Unit Harness Service 4475002 Kit 4475003 Internal Phoenix Wire Harness 4475003 Phoenix Control Harness (Unit to Control) 4475004 Phoenix Control Harness Extension 4475005 5 amp Fuse 4475006 Male Blade Terminal 4475007 Battery Monitor System 4475008 Battery Monitor System Wire 4475009 Harness 4475010 WYE DTM 3x2 Way Connector 4475011 DTM J1939 Resistor 4475012 Phoenix Upper Duct 4475013 Template Board 4475014 Wire Harness Grommet 0.62" 4475015 ID Grommet 0.56" ID x 1.25" OD 4475016 Evap Top Gasket 4475017 Bottom Gasket 4475019 Gasket 1.5x15x805 4475019 Gasket 1.5x14.5x227 4475021 NITE Phoenix Controls Kit 4475021	10 amp Bolt-On Mega Fuse	4099188
Internal Unit Harness Service 4475002 Kit 4475003 Internal Phoenix Wire Harness 4475003 Phoenix Control Harness (Unit to Control) 4475004 Phoenix Control Harness Extension 4475005 5 amp Fuse 4475006 Male Blade Terminal 4475007 Battery Monitor System 4475008 Battery Monitor System Wire 4475009 Harness 4475010 WYE DTM 3x2 Way Connector 4475011 DTM J1939 Resistor 4475012 Phoenix Upper Duct 4475013 Template Board 4475014 Wire Harness Grommet 0.62" 4475015 ID Grommet 0.56" ID x 1.25" OD 4475015 Bottom Gasket 4475017 Bottom Gasket 4475019 Gasket 1.5x15x805 4475019 Gasket 1.5x14.5x227 4475020 NITE Phoenix Controls Kit 4475021	300 amp Bi-Stable Power	4475001
Phoenix Control Harness (Unit to Control) 4475004 Phoenix Control Harness Extension 4475005 5 amp Fuse 4475007 Male Blade Terminal 4475007 Battery Monitor System 4475008 Battery Monitor System Wire 4475009 Harness 4475010 WYE DTM 3x2 Way Connector 4475011 DTM J1939 Resistor 4475012 Phoenix Upper Duct 4475013 Template Board 4475014 Wire Harness Grommet 0.62" 4475015 ID Grommet 0.56" ID x 1.25" OD 4475016 Evap Top Gasket 4475017 Bottom Gasket 4475018 Gasket 1.5x15x805 4475019 Gasket 1.5x14.5x227 4475020 NITE Phoenix Controls Kit 4475021	Internal Unit Harness Service	4475002
to Control) Phoenix Control Harness Ex- tension 5 amp Fuse 4475006 Male Blade Terminal 4475007 Battery Monitor System Battery Monitor System Wire Harness Can Bus Wire Harness Can Bus Wire Harness 4475010 WYE DTM 3x2 Way Connector DTM J1939 Resistor Phoenix Upper Duct Phoenix Upper Duct 4475013 Template Board Wire Harness Grommet 0.62" ID Grommet 0.56" ID x 1.25" OD 4475016 Evap Top Gasket 4475019 Gasket 1.5x15x805 4475020 NITE Phoenix Controls Kit 4475021	Internal Phoenix Wire Harness	4475003
Phoenix Control Harness Extension 4475005 5 amp Fuse 4475006 Male Blade Terminal 4475007 Battery Monitor System 4475008 Battery Monitor System Wire 4475009 Harness 4475010 Can Bus Wire Harness 4475011 DTM J1939 Resistor 4475012 Phoenix Upper Duct 4475013 Template Board 4475014 Wire Harness Grommet 0.62" 4475015 ID 4475016 Evap Top Gasket 4475017 Bottom Gasket 4475018 Gasket 1.5x15x805 4475019 Gasket 1.5x14.5x227 4475020 NITE Phoenix Controls Kit 4475021		4475004
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Male Blade Terminal 4475007 Battery Monitor System 4475008 Battery Monitor System Wire 4475009 Harness 4475010 Can Bus Wire Harness 4475010 WYE DTM 3x2 Way Connector 4475011 DTM J1939 Resistor 4475012 Phoenix Upper Duct 4475013 Template Board 4475014 Wire Harness Grommet 0.62" 4475015 ID 4475015 Grommet 0.56" ID x 1.25" OD 4475016 Evap Top Gasket 4475017 Bottom Gasket 4475018 Gasket 1.5x15x805 4475019 Gasket 1.5x14.5x227 4475020 NITE Phoenix Controls Kit 4475021		1170000
Battery Monitor System 4475008 Battery Monitor System Wire 4475009 Harness 4475010 WYE DTM 3x2 Way Connector 4475011 DTM J1939 Resistor 4475012 Phoenix Upper Duct 4475013 Template Board 4475014 Wire Harness Grommet 0.62" 4475015 ID Grommet 0.56" ID x 1.25" OD 4475016 Evap Top Gasket 4475017 Bottom Gasket 4475018 Gasket 1.5x15x805 4475019 Gasket 1.5x14.5x227 4475020 NITE Phoenix Controls Kit 4475021	5 amp Fuse	4475006
Battery Monitor System Wire 4475009 Harness 4475010 WYE DTM 3x2 Way Connector 4475011 DTM J1939 Resistor 4475012 Phoenix Upper Duct 4475013 Template Board 4475014 Wire Harness Grommet 0.62" 4475015 ID 4475016 Evap Top Gasket 4475017 Bottom Gasket 4475018 Gasket 1.5x15x805 4475019 Gasket 1.5x14.5x227 4475020 NITE Phoenix Controls Kit 4475021	Male Blade Terminal	4475007
Harness 4475010 WYE DTM 3x2 Way Connector 4475011 DTM J1939 Resistor 4475012 Phoenix Upper Duct 4475013 Template Board 4475014 Wire Harness Grommet 0.62" 4475015 ID Grommet 0.56" ID x 1.25" OD 4475016 Evap Top Gasket 4475017 Bottom Gasket 4475018 Gasket 1.5x15x805 4475019 Gasket 1.5x14.5x227 4475020 NITE Phoenix Controls Kit 4475021	Battery Monitor System	4475008
WYE DTM 3x2 Way Connector 4475011 DTM J1939 Resistor 4475012 Phoenix Upper Duct 4475013 Template Board 4475014 Wire Harness Grommet 0.62" ID 4475015 Grommet 0.56" ID x 1.25" OD 4475016 Evap Top Gasket 4475017 Bottom Gasket 4475018 Gasket 1.5x15x805 4475019 Gasket 1.5x14.5x227 4475020 NITE Phoenix Controls Kit 4475021		4475009
DTM J1939 Resistor 4475012 Phoenix Upper Duct 4475013 Template Board 4475014 Wire Harness Grommet 0.62" 4475015 ID 4475016 Grommet 0.56" ID x 1.25" OD 4475016 Evap Top Gasket 4475017 Bottom Gasket 4475018 Gasket 1.5x15x805 4475019 Gasket 1.5x14.5x227 4475020 NITE Phoenix Controls Kit 4475021	Can Bus Wire Harness	4475010
Phoenix Upper Duct 4475013 Template Board 4475014 Wire Harness Grommet 0.62" ID 4475015 Grommet 0.56" ID x 1.25" OD 4475016 Evap Top Gasket 4475017 Bottom Gasket 4475018 Gasket 1.5x15x805 4475019 Gasket 1.5x14.5x227 4475020 NITE Phoenix Controls Kit 4475021	WYE DTM 3x2 Way Connector	4475011
Template Board 4475014 Wire Harness Grommet 0.62" 4475015 ID 4475016 Evap Top Gasket 4475017 Bottom Gasket 4475018 Gasket 1.5x15x805 4475019 Gasket 1.5x14.5x227 4475020 NITE Phoenix Controls Kit 4475021	DTM J1939 Resistor	4475012
Template Board 4475014 Wire Harness Grommet 0.62" 4475015 ID 4475016 Grommet 0.56" ID x 1.25" OD 4475016 Evap Top Gasket 4475017 Bottom Gasket 4475018 Gasket 1.5x15x805 4475019 Gasket 1.5x14.5x227 4475020 NITE Phoenix Controls Kit 4475021	Phoenix Upper Duct	4475013
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Evap Top Gasket 4475017 Bottom Gasket 4475018 Gasket 1.5x15x805 4475019 Gasket 1.5x14.5x227 4475020 NITE Phoenix Controls Kit 4475021		4475015
Bottom Gasket 4475018 Gasket 1.5x15x805 4475019 Gasket 1.5x14.5x227 4475020 NITE Phoenix Controls Kit 4475021	Grommet 0.56" ID x 1.25" OD	4475016
Bottom Gasket 4475018 Gasket 1.5x15x805 4475019 Gasket 1.5x14.5x227 4475020 NITE Phoenix Controls Kit 4475021	Evap Top Gasket	4475017
Gasket 1.5x14.5x227 4475020 NITE Phoenix Controls Kit 4475021		4475018
Gasket 1.5x14.5x227 4475020 NITE Phoenix Controls Kit 4475021	Gasket 1.5x15x805	4475019
NITE Phoenix Controls Kit 4475021		
	Condenser Shrould Assy	4475022

Description	Part No.
Filter 259x215s12.7	4475023
Fuse Cover Service Kit	4475024
Top Cover Service Kit - Condenser Side	4475025
Top Cover Service Kit - Evap Side/Blower	4475026
Unit Handle Service Kit	4475027
Temp Sensor Service Kit	4475028
Evap Cover Service Kit	4475029
Side Wrap Service Kit	4475030
Mounting Foot Service Kit	4475031
Condenser Intake Service Kit	4475032
Blower Out STD Service Kit	4475033
Blower Out ALT Service Kit	4475034
Evap Blower Service Kit	4476036
Condenser Fan Service Kit	4475037
Compressor Control Service Kit	4475038
Terra Power 300 amp Relay	4099194
Gen 3 Control Kit	4099195
Gen 2 BMS	4099196
Gen 2 BMS Harness	4099197
90-DEG 4GA Lug Terminal	4099198
DEUTSCH Conn Kit DTM-04-6P	4099199

NITE Plus System

The NITE Plus air conditioning system is an all ELECTRIC, 12 VDC system, designed to maintain sleeper compartment comfort for 8 to 10 hours without requiring your engine to idle. NITE Plus is available in A/C only or Combo configurations that provide both cooling and heating capabilites. The optional Espar air-heating system sips just 0.03 to 0.06 gallons of diesel per hour.

The NITE Plus unit requires four batteries that meet the follow specifications: AGM (Absorbed Glass Mat), Deep Cycle, Group 27 or 31. Use of any non-approved battery technology will automatically void any warranty and may impede the performance of your NITE System.

Please see www.nitesystems.com for updates.



To obtain information about any of the NITE systems go to www.nitesystem. com or call toll free 1-866-204-8570

CARB approved [# 08-643-004]

Smart Control System

- · Engineered duct work for optimum airflow
- · Low voltage cutout

Engineered Power Source System

- · Deep cycle battery system
- Maintenance-free design
- UL recognized
- · Pressure relief safety valve
- Meets Mil-B-8565J for hydrogen gas emmisions
- · Low voltage cutout

NITE A/C System with Smart Controller

- Cooling Capacity 4600 BTU/h
- · Voltage 12 Volts D.C.
- · Weight 70 lbs.
- Unit Dimensions 22.0" L x 17.0" W x 11.0" H
- Sealed hermetic system eliminates refrigerant leaks
- Variable speed compressor for greater efficiency
- All 12VDC components requires no power inverter
- · Brushless DC (BLDC) technology
- · Patented technology

NITE Plus System

NITE Plus System

Description	Part No.
Nite, Standard A/C ONLY System (No Heater & Base Kit)	3699011
NITE, Standard Combo System (with Heater & Base Kit) (Webasto)	3699039
NITE, Standard Combo System (with Heater & Base Kit) (Espar)	3699012

NITE Plus Application Chart for Installation Kits

Make	Model	Part No.
Freightliner	Any model - Under bunk mounting	3699014
International	9000i Mfg before 06/02, 9000i Mfg after 06/02	3699015
International	ProStar, LoneStar	3699021
Kenworth	Classic Sleeper	3699014
Kenworth	T2000	3699016
Kenworth	Sofa Sleeper	3699022
Mack	Vision, CH, CL, CXU, CXN	3699014
Peterbilt	377, 379, 386, 388, with 36", 48", or 63" Sleeper	3699014
Peterbilt	387, 379, 386, 388, 389 with 36", 48", or 63" Sleeper with Window, 377, 379, 386, 388, 389 with 70" Sleeper	3699017
Sterling	A-Line	3699014
Volvo	VN Classic Sleeper	3699014
Volvo	VN 77" Sleeper 780 with Work Station, VN 61" Sleeper 670 with Work Station	3699018
Western Star	4900, 4900EX, & 4900 Lomax	3699019

^{*} For Batteries and Battery Box options, please refer to the Battery Specifications on page 31

NITE Plus Service Parts

Description	Part No.
NITE Display Stand with Unit	4100003
NITE Display Stand only (no Unit)	4100004
Knob, A/C Control - Old Style	2599050
Louver	3275014
Kit - NITE Upgraded Controls	3699007
NITE, A/C Unit Only (No Other Parts)	3699013
Fuse, MAXI 50 amp	4099075
Drain Tube	4099082
Thermostat, ELEC 12V Unsealed	4099084

Description	Part No.
Compressor Controller	4099085
Relay, 70A w/Resistor	4099086
Battery Separator NITE 12V, 200 amp	4099091
Recirculation Grill	4099106
Duct, Stealth	4099116
Duct, Transition	4099117
Control A/C	4099129
Knob - A/C Control - Current Style	4099132
NITTE Controller - New Switch	4099158

NITE Battery Specififications

The NITE System is powered by 4 batteries which are recharged in approximately 4 to 6 hours while the truck is running down the road.

Requirements

- Group 27 or 31
- · Deep Cycle

Performance

- Voltage 6 VDC 6 volt batteries must have a minimum of 110 amp hour rating
- Voltage 12 VDC 12 volt batteries must have a minimum of 105 amp hour rating
- Use of any non-approved battery technology will automatically void any warranty and may impede the performance of the NITE system

NITE Power System (AGM Batteries)

- Capacity 440 amp hours
- Battery Life 2+ years
- Operates 8-10 hours
- Recharge Time 4-6 hours
- Weight 300 lbs.
- Dimensions 12.93" L x 6.75" W x 9.34" H
- Alternator add an additional 30+ amps

NITE System Add-On Options

Description	Part No.
Battery, 13.42" L x 6.80" D x 9.21" H (Trojan)	3699032
Battery Box Options:	
Battery Box Kit, Quantity of 2, each box holds 2 batteries, Dimensions: 20" L x 14.5" D x 12" H	3699010
Vertical Clamp on Aluminum Battery Box, holds 4 batteries, Dimensions: 16.45" L x 20.25" D x 24.2" H	3699025
Z Brackets Kit, Quantity of 2, used to mount steel battery boxes away from structure on frame rail	4499010
Lid Deck for Battery Box 27"	3699034
Lid Deck for Battery Box 28"	3699035
Between the Rail Aluminum Battery Box, holds 4 batteries	3699033

NITE Day Cab System

Technical Specifications

- Performance Cooling, 7,200 BTU/h (2.11 kW)
- Air Flow 180 CFM (323 CMH)
- Current Draw 25-55 amps @ 12 Volts D.C. (636 watts)
- · System requires refrigerant charge

Features

- Split System: Condenser unit outside, evapo rator unit inside cab
- · 3 Fa n Speeds
- · Virtually Maintenance Free
- · Quiet Operation
- · Easy to Clean Interior Filter
- · Optional Voltages, available on request

Construction

- · Shell Constructed with Durable Steel
- Electrified Unit, runs on auxillary AGM / deep cycle batteries (minimum 12v required)
- R134a Refrigerant

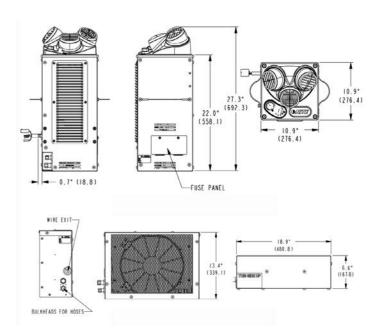
Weights and Dimensions

	Interior Unit	Exterior Unit
 Weight 	52 lbs	25 lbs
	23.6 kg	11.3 kg
 Length 	10.9 in	18.9 in
	276.4 mm	480.8 mm
 Depth 	10.9 in	6.6 in
	276.4 mm	167.8 mm
 Height 	27.3 in	13.4 in
	692.3 mm	339.1 mm

Warranty

1 year limited warranty on parts and labor





NITE Day Cab System

Description	Part No.
NITE, Electrified Day Cab System Standard Kit, includes external kit, internal kit, and Day Cab power kit	3699029
NITE, Electrified Day Cab Installation Kit, includes all hardware for both the external and internal kits	3699030
Battery Box Kit, holds up to 2 batteries, steel contruction	4099131
Battery, Quantity 1 (Trojan, Group 31, 12V)	3699031
NITE Electrified DayCab Combo (Webasto)	3699038
NITE Electrified DayCab Combo (Espar)	3699037







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3699022			2
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