



Model D2646PV



Dual Motor Controller

Description

This is an in-cab control unit for a dual-motor 12V direct-drive aggregate material spreader. It features Blast, Pause, and Vibrate. Our proprietary anti-jam technology auto-reverses the conveyor. Our Blast feature can deliver peaks of up to 46 Amps of power. The Pause feature allows you to avoid wasting material without disrupting your current settings.

Features

Variable Speed Control for Two Motors Auto-Reversing Conveyor

Helps to clear out jammed materials

Blast Button - Large and illuminated

Pause Switch - Spreader Savr™

Ignition Sense - Ignition ON required

Smart Motor™ Control

Calibrate the starting speed setting

Spinner Motor Drive - 20 Amps

Conveyor Motor Drive - 38 Amps

LED Indicators:

PAUSE (Yellow) - See at a glance when Spreader Savr™ is active

POWER (Green) - Know when the unit is ready to run

STATUS (Red) - Total Health™ makes troubleshooting fast and easy

Total Health™ System Supervisory Monitor

- Low voltage shut down
- Over temperature shut down
- Over current fold back

- Over voltage shut down (16.2VDC)
- Safety Ignition enable
- Locked rotor detection

Product Comparison

	SnowEx SP2400	Karrier Omega 2070	Model D2646PV
Adjustable Mounting Bracket, Mounts Over OR Under Dash			X
Variable Speed	X	X	X
Large Illuminated BLAST Button	X	X	X
Quick-Read Status LEDs	X	X	X
BLAST Current, Spinner / Conveyor	N/A	25A / 45A	26A / 46A
Hard Start		X	X
Auto-Reversing Conveyor			X
Total Health™ System Monitor			X
Spreader Savr™ Pause Function			X
Low-End Speed Adjust			X



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Indicator LEDs

Green	Power Status
Red	Status
Blink Rate	Indicates
Solid on	Ignition off
2	Jam (high current)
3	Overheat
4	Battery voltage low
5	Battery voltage high
Yellow	Mode
Solid on	Pause, not running
Off	Run with AUX off
Blinking	Run with AUX on

Spinner Power Specifications

Continuous 0-20A @ 13VDC
 BLAST Power 26A +/- 7

Conveyor Power Specifications

Continuous 0-38A @ 13VDC
 BLAST Power 46A +/- 12

Input Power Specifications

Maximum 16.2VDC
 Nominal 13VDC
 Minimum 10VDC

Proprietary BLAST algorithm gives massive 46 Amp pulses to break free from JAMS!

Compatible With Many Systems

Western	Fisher
Meyers	Curtis
Trynex	Lehigh Valley
Snow Ex	Buyers

Controls

Push-button	Blast (red, illuminated)
Toggle switch	Power
Toggle switch	Run - AUX - Pause
Dial	Conveyor Speed Control
Dial	Spinner Speed Control

Connections

Anderson SB50 Red, #8 battery input
 Red -- Battery positive (fused)
 Black -- Battery negative

Anderson SB50 Blue, #10 conveyor feed
 Red -- Conveyor positive
 Black -- Conveyor negative

Anderson SB50 Green, #10 Spinner feed
 Yellow -- Spinner positive
 Blue -- Spinner negative

Red 22AWG wire, vehicle ignition

0.25" quick disconnect, Yellow, AUX, 10A max
 Mates with 0.25" male quick disconnect spade

Enclosure Dimensions

Height 2.05", Width 7.7", Length 7.4"

NEVER plug red battery connector into a motor output!