



Big Blue Engine Drive Selection Guide – USA

Tier 4 Interim (T4i)



Big Blue® Air Pak™
907062
907062041 Cold Weather
907062071 Deluxe



Big Blue® Turbo
907157



Big Blue® 700 Duo Pro
907461



Big Blue® 500
907331



Big Blue® 400
907327 Deutz
907327003 Cold Weather
907329 Perkins

Above 25 Horsepower ↑
Below 25 Horsepower ↓



Big Blue® 300 Pro
907144 CAT
907521 Kubota



Big Blue® 350 PipePro®
907428 Mitsubishi
907478 CAT



Big Blue® 450 Duo CST™
907477

Tier 4 Final (T4F)



NEW!

Big Blue® 800 Duo
Air Pak™
907535
907535002 Weld Truck
907535003 Weld Truck
w/Air Dryer



NEW!

Big Blue® 800
Duo Pro
907587



NEW!

Big Blue® 500 Pro
907561 Duetz
907561001 Duetz Deluxe
907667 Perkins
907667001 Perkins Deluxe

↑ Above 25 Horsepower

↓ Below 25 Horsepower



NEW!

Big Blue® 400 Pro
907605 Mitsubishi
907606 Kubota



Big Blue® 350
PipePro®
907428 Mitsubishi
907428001 Appearance Pkg.
907478 Cat
907478001 Appearance Pkg.



Big Blue® 450 Duo
CST™
907477



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Needs & Choices

The changes to the engine drive lineup provide choices for the user to match the required power level to the application or need. For example, if a Big Blue® 400 was previously used, they could consider using a smaller, sub-25 horsepower machine. In cases of needing higher power, a new Tier 4 Final model above 25 horsepower should be considered as a replacement because the Tier 4 Interim (T4i) models have been discontinued in the United States.

- The Big Blue 400 has been replaced by Big Blue 500 Pro, or the other option is the Big Blue 400 Pro (if the user doesn't need the higher power).
- The Big Blue 500 replacement options are the Big Blue 500 Pro or the Big Blue 800 Duo Pro, depending on power usage needs.

Variable	Application Detail	Amperage Range	Big Blue 400 Pro	Big Blue 500 Pro	Big Blue 800 Duo Pro	Big Blue 800 Duo Air Pak
Wire	0.045	140-375A	X	X	X	X
	5/64" out of position	200-280A	X	X	X	X
	5/64" flat & horizontal	270-450A		X	X	X
	3/32" flat & horizontal	310-490A		X	X	X
Carbon Arc Gouging	1/4" carbon & smaller	up to 400A	X	X	X	X
	5/16"	350-450A		X	X	X
	3/8"	450-600A		X	X	X
	1/2"	800-1000A			X	X

Q & A

Q? - What is EPA Tier 4 (T4F) Final?

A. – EPA (T4F) is a change in the Environmental Protection Agency's (EPA) regulations that will significantly reduce the particulate emissions of diesel (not gas) engines. This typically requires major engine changes and exhaust after treatment, dramatically increasing costs.

Q? - What machines are effected?

A. – Any diesel powered units with horsepower rating over 25HP for use in the U.S. will see the greatest impact. This includes the Big Blue® 400, Big Blue® 500, Big Blue® AirPak™, Big Blue® Turbo and Big Blue® 700 Duo Pro models.

Q? - What about other countries?

A. – Each country has its own rules to abide by, but only the U.S. is adopting T4F standards at this time. Canada has deferred implementation of T4F until January 1, 2019.

Q? – How long have we known about the EPA's regulations and what has Miller done to prepare for it?

A. – The EPA regulations to reduce diesel emissions began affecting engines in the horsepower ranges we use since January 1, 1998, with implementation of Tier 1. Tier 2 became effective in 2004 followed by Tier 3 or Tier 4i in 2008. Finally T4F has been implemented and new T4F compliant models are available now.