

TwisTorr Medium-TMP Onboard Controller



Medium Turbo Pump Onboard Controller

The TwisTorr Medium-TMP onboard controller is a solid-state frequency converter driven by a single chip microcomputer. It consists of a PCB including power supply, three-phase output, analog input/output section, microprocessor, and digital interface section. A remote host computer can operate the controller via the serial connection. The TwisTorr Medium-TMP onboard controller can be mounted onboard, on the bottom or using an optional bracket on the side, of the TwisTorr 704 FS and 804 FS pumps.

Features

- Drives the TwisTorr 704 FS and 804 FS pumps, the vent valve, and the cooling fan.
- Universal voltage, the controller can auto set according to the input voltage, providing flexibility for easy installation worldwide.
- Three-dimensional pump control software provides maximum flexibility, speed, and simplicity - always the best throughput and compression performance according to pump operative conditions.
- RS-232/485 communication protocols and Profibus through optional converter.
- Allows the pump to interact with the system controls (remote I/Os).

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Technical Specifications

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Input voltages	100-240 Vac
	50/60 Hz, 1 ph
Maximum input power	600 VA
Output voltage	54 Vac, 3 ph
Output frequency	825 Hz
Operating temperature	+5° C to +40 °C
Storage temperature	−20° C to +70 °C

Ordering Information

Controllers	Part Numbers
TwisTorr Medium-TMP onboard controller	X3512-64016
Cables	Part Numbers
Mains cable NEMA plug 3 m long	9699958
Mains cable EU plug 3 m long	9699957
Mains cable UK plug 2.5 m long	X3501-68005
Serial Cable and A-plus	9699883
Medium-TMP Extension Cable	9699948M001 (5 m)
	9699948M003 (10 m)
	9699948M004 (15 m)
	9699948M002 (20 m)
	9699948M005 (30 m)
	9699948M006 (50 m)
	9699948M009 (75 m)
	9699948M010 (100 m)

Ordering Information

Mounting	Part Numbers
Medium-TMP onboard ctrl. side-mounting bracket	X3511-68003
Cooling	Part Numbers
Medium-TMP Air Cooling Kit for onboard controller	9699297
Air Cooling Kit Extension Cable	X3501-68101 (5 m)
	X3501-68051 (10 m)
	X3501-68061 (15 m)
	X3501-68021 (20 m)
	X3501-68011 (30 m)
	X3501-68071 (50 m)
	X3501-68081 (75 m)
	X3501-68091 (100 m)
Venting	Part Numbers
Vent valve driven by onboard controller	9699834

Outline Drawing

