

# SPECIFICATIONS

## PackTrak™ PT238 and PT275

**Motor Specifications**– Our product line includes both straight and curved sections that may be joined to form an open or closed path, such as a racetrack. They are sealed and completely independent. Each section includes an absolute position encoder, multiple microprocessors and drive electronics.

	Item	PT238	PT275	Units
<b>Size (L x W x H)</b>	S500 Straight Section	500 x 192.8 x 253.3	500 x 192.8 x 253.3	mm
	A180 Curved Section	239 x 192.8 x 253.3	239 x 192.8 x 253.3	mm
<b>Weight</b>	S500 Straight Section	66	66	kg
	A180 Curved Section	68	68	kg
<b>Environment</b>	Operating Temperature	0 to 45		°C
	Storage Temperature	-10 to 70		°C
	Washdown Rating	IP65		
	Humidity	0 to 80		%
<b>Position Encoder</b>	Type	Absolute		
	Static Accuracy	+/- 30		µm

**Movers**– PackTrak movers are completely passive. They execute unique motions or follow a master profile.

	Item	PT238-M38	PT275-M75	Units
<b>Size (L x W x H)</b>	Mover	107 x 37 x 332	107 x 70 x 332	mm
<b>Weight</b>	Mover	1.4	2.7	kg
<b>Environment</b>	Operating Temperature	0 to 45		°C
	Storage Temperature	-10 to 70		°C
	Rating	IP65		
	Humidity	0 to 90		%
<b>Speed</b>	Max. No Load Speed	5	5	m/sec
<b>Force</b>	Peak Force (standard force section)	67 (15.1)	150 (33.7)	N (lbf)
	Peak Force F1.5 (high force section)	100 (22.5)	225 (50.6)	N (lbf)

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**Controller**– The PackTrak controller sends both supervisory commands and mover positioning commands to all sections. The recommended motion controller for PackTrak is SIMOTION, by Siemens. The SIMOTION system comprises three components: the engineering system, runtime software and hardware platforms. With SCOUT, SIMOTION not only offers an integrated engineering system, but it also provides all the tools required for programming and parameterizing, testing and commissioning, as well as diagnostics.

**Power Supply Module**– Power for the PackTrak motor system is provided by one or more PackTrak power modules. The number of required power modules is determined by the number of track sections and the maximum number of movers.

Features of the power module include:

- Low and high voltage to each track section
- External transformer
- Two shunt regulators
- Microprocessor control
- eStop logic

	Item	PT238	PT275	Units
<b>Power Line</b>	Voltage	Note 1		VAC
	Current	20		A
	Phases	3		
<b>Environment</b>	Operating Temperature	0 to 60		°C
	Storage Temperature	-10 to 70		°C
	Rating	NEMA 4		
	Humidity	0 to 60		%

**Note 1**– Per customer specification 240 to 480 VAC 50/60 Hz. External transformer supplied by Jacobs Automation.