

PT-25HP

HEAVY DUTY – HIGH POWER PAN & TILT

SPECIFICATIONS



PT-25HP ROBUST POSITIONER

Rugged 140 ft lb pan and tilt actuator with position feedback and RS-485 control to remotely orient camera systems, acoustic equipment, ground surveillance tracking systems and other instrumentation.

- 140 ft lbf of torque
- 20,000 ft (6000m) depth rating
- Oil or air filled
- Continuous rotation
- ROS GUI controls
- **Contact ROS Sales for Availability**



Payload	350 lb (113 kg)
Torque	140 ft lbf (189 N m) @ 5 deg/s
Accuracy	+/- 0.05 deg (3 arc min)
Backlash	0°
Scan Range	Continuous. Soft and hard stops optional
Rotation Speed	Up to 40 deg/s @ 10 ft lbf
Power	24 VDC, 10 A
Control	RS-485 half duplex, ETHERNET
RS-485 Networkability	7 nodes per channel, unlimited channels
Motors	Stepper
Shaft attachment	1/4-20 tapped holes

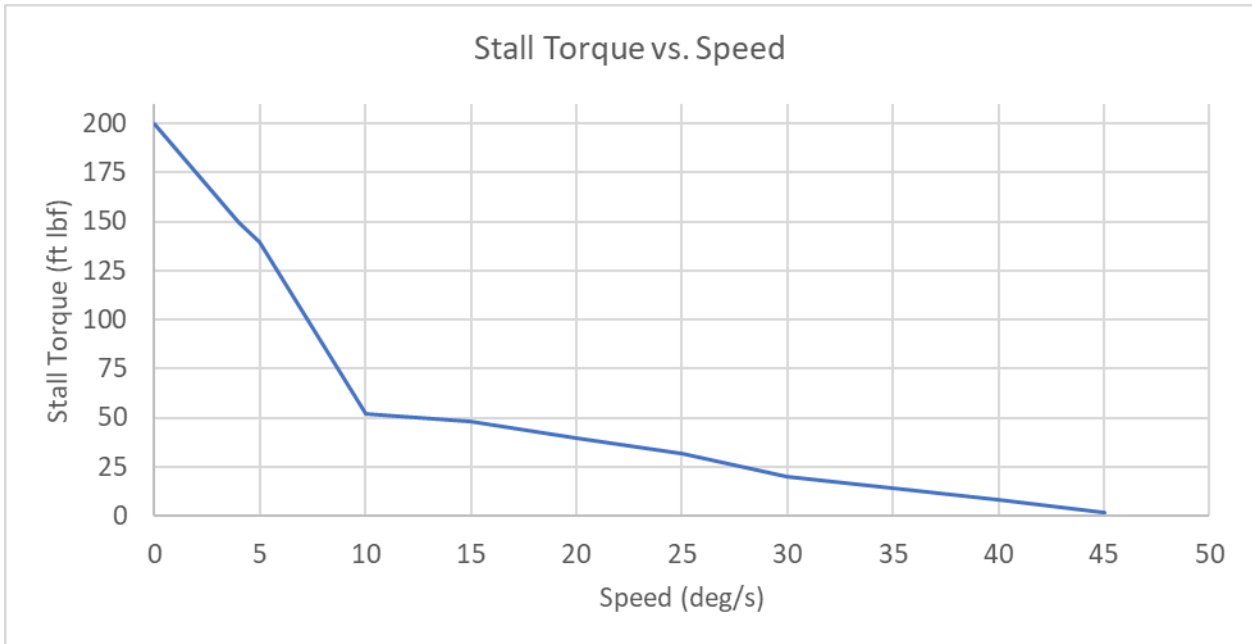
Depth rating, oil-filled	20,000 ft (6,000 m)
Depth rating – air-filled	100 ft (30 m)
Housing material	Aluminum (ask about other options)
Height	11.3 in (287 mm)
Output Shaft Diameter	1.38 in (35 mm)
Body diameter	4.2 in (107 mm)
Weight in air (air/oil)	19 lb (8.7 kg) / 21 lb (9.7 kg)
Weight in water (air/oil)	10 lb (4.6 kg) / 12.5 lb (5.7 kg)
Operating temp	122° F (50° C)
Storage temp	-4° to 140° F (-20 to 60° C)
Connectors	Various - contact Sales



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Torque Curve



NOTE: System design should include adequate margin against stalling depending on design uncertainty. Contact ROS for assistance determining required torque.

Ask ROS about higher Torque / speed options



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