Northern Towers Industries Inc.

Guardian HD Series Specifications

Tower	40'	60'	75'	85'	106'	120'
Fully Deployed Height	40'	60'	75'	85'	106'	120'
Minimum Deployed Height	22'	21'	24'	26'	28'	28'
Tower Sections	2	3	4	5	6	6
Maximum Payload	1,200 lbs	1,050 lbs	1000 lbs	1000 lbs	850 lbs	650 lbs
Main Winch Cable Diameter	5/16"	5/16"	5/16"	5/16"	5/16"	5/16"
Main Winch Cables Per System	2	2	2	2	2	2
Tower Section Cable Diameter	5/16"	5/16"	5/16"	5/16"	5/16"	5/16"
Cables Per Tower Section	3	3	3	3	3	3
Main Winch Motor HP	2 HP	2 HP	2 HP	2 HP	2 HP	2 HP
Tilt Winch Motor HP	2 HP	2 HP	2 HP	2 HP	2 HP	2 HP
Main Winch Motor Cover	Y	Y	Y	Y	Y	Y
Tilt Winch Motor Cover	Y	Y	Y	Y	Y	Y
Drum Safety Lock	Optional	N/A	N/A	N/A	N/A	N/A
Winch Torque	tilt 14.210 main 14.600	N/A	N/A	N/A	N/A	N/A
Sheave Type	Roller Bearing	Roller Bearing	Roller Bearing	Roller Bearing	Roller Bearing	Roller Bearing
Sheave Material	Steel	Steel	Steel	Steel	Steel	Steel
Removable Tower Section Guides	Y	Y	Y	Y	Y	Y
3-Sector Antenna Mount	Included	Included	Included	Included	Included	Included
4-Sector Antenna Mount	Optional	Optional	Optional	Optional	Optional	Optional
6-Sector Antenna Mount	Optional	Optional	Optional	Optional	Optional	Optional
NEMA Rated Control Panel (UL/cUL)	Included	Included	Included	Included	Included	Included
Trailer						
GVWR	14,000 lbs	14,000 lbs	14,000 lbs	14,000 lbs	14,000 lbs	14,000 lbs
Dual Axle Suspension	7,000 lbs	7,000 lbs	7,000 lbs	7,000 lbs	7,000 lbs	7,000 lbs
Deck Height	24"	24"	24"	24"	24"	24"
Number of Axles	2	2	2	2	2	2
Transport Height	12' 6"	12' 6"	12' 6"	12' 6"	12' 6"	12' 6"
Transport Width	8'	8'	8'	8'	8'	8'
Transport Length	16'	16'	33'	33'	33'	33'
Curb Weight	7600 lbs	7900 lbs	8200 lbs	8500 lbs	9150 lbs	9460 lbs
12,000 Lbs Leveling Jacks	5	5	5	5	5	5
Outriggers	4	4	4	4	4	4
6' Outrigger	Optional	Optional	Optional	Optional	Optional	Optional
Powder Coat	Y	Y	Y	Y	Y	Y
Storage Box	18"x18"x24"	18"x18"x24"	18"x18"x24"	18"x18"x24"	18"x18"x24"	18"x18"x24"
Full Size Spare Tire	Y	Y	Y	Y	Y	Y
DOT- Safety Chains	Y	Y	Y	Y	Y	Y
DOT- Break Away Kit	Y	Y	Y	Y	Y	Y
Standard 7-PIN Electrical Connector	Y	Y	Y	Y	Y	Y
Wheel Chocks	Y	Y	Y	Y	Y	Y
2-5/16" Ball Hitch	Y	Y	Y	Y	Y	Y

Wind Loading- The standard tower design includes an engineering calculation (TIA/EIA 222 Rev. G)

of a wind load of up to 80 MPH/128 KPH.

All trailers meet Federal & Canadian Highway Lighting Standards (49.CFR571.108)

2016

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