

SAM YANG HIGH TECH CRANE



Company Overview


Samyang H. T. Co., Ltd. is doing its best to develop new products for customized service based on the technology that developed the best products in the field of hydraulic cranes and special vehicles.

Hydraulic cranes and auger cranes with state-of-the-art hydraulic technology, as well as special equipment for special purposes are developed by our best technicians and we are doing our best to get a good evaluation from our customers as a product developed by the best technical team.

Samyang H. T. Co.,Ltd. is a first-class company that practices the best in customer satisfaction in the fields of hydraulic cranes and special-purpose vehicles.

Our technical team will do our best to satisfy customers by developing the best products that incorporate cutting-edge technology, and promise to continue to grow together with customers in the future.

History

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- ▶ **2012**
 - 03 Company establishment
 - 04 ISO9001 certification
 - 05 Establishment of R&D Center
 - 05 Designated as a venture company
 - 06 Acquired Russian GOST-R crane quality certification
 - ▶ **2013**
 - 02 Launched Auger Crane
 - 11 Acquired crane HTS2577 Safety Certification
 - 11 Patent Registration of rotary outrigger
 - 12 Awarded 1 million Dollar Export Tower
 - 12 Acquisition of government procurement bid qualification
 - ▶ **2014**
 - 02 Acquired crane HTS8156 Safety Certification
 - 09 Awarded the Minister of Trade, Industry and Energy Award (welding technology)
 - ▶ **2015**
 - 03 Acquired crane HTS835 Safety Certification
 - 03 Registered crane boom design
 - 12 Designated as a promising export Small and medium enterprised
 - ▶ **2016**
 - 02 Regional representative industry medium enterprise designate
 - 03 Acquired crane HTS1656,1756 Safety Certification
 - ▶ **2017**
 - 06 Risk Assessment Certificates
 - 08 Acquired crane HTS6156 Safety Certification
 - ▶ **2018**
 - 06 INNO-BIZ designated
 - ▶ **2019**
 - 03 Crane cabin design registration
 - 09 Head office and factory relocation(from Cheong Ju-city to Jincheon-gun)
 - 10 Acquired crane HTS2077 Safety Certification
 - ▶ **2020**
 - 03 Car Sales business registration
 - ▶ **2021**
 - 08 Registration of automobile comprehensive maintenance business
 - 10 Local representative industry small business certification
 - 10 Certified as a company with excellent technical capabilities
 - ▶ **2022**
 - 04 ISO45001 Safety and Health Management System Certification
 - 04 Selected as a KIBO-STAR Technology Guarantee Fund Valley company
 - 05 Management innovation type small business Certificates

Light Duty Crane Technical Data

HTS 824 / HTS 833 / HTS 834 / HTS 835 / HTS 1535



Description	Units	HTS 824	HTS 833	HTS 834	HTS 835	HTS 1535
Lifting capacity	ton.m	4.2	8.0	8.0	8.0	15.0
Lifting capacity / Outreach	kg/m	3,200/2.6	3,500/2.3	3,500/2.5	3,500/2.3	6,000/2.5
		1,350/5.3	2,600/3.1	1,290/5.7	1,300/5.0	3,060/4.0
		800/7.5	1,250/5.1	1,000/7.0	550/9.0	1,100/10.0
		600/9.7	950/7.1	550/10.3	350/12.5	700/13.4
Working radius max	m	9.7	7.1	10.3	12.5	13.4
Working height max	m	11.2	9.6	11.8	15	16.2
Derrick cylinder	type	Single	Single	Single	Single	Double
Shape of boom	type	Pentagon type construction 4 sections	Hexagonal type construction 3 sections	Hexagonal type construction 4 sections	Hexagonal type construction 5 sections	Hexagonal type construction 5 sections
Boom extending speed	m/sec	6.6/14	4.0/25	6.6/25	8.8/25	10/37
Boom raising speed	Deg./sec	-16~80/15	-16~80/15	-16~80/15	-16~80/15	-17~80/17
Slewing angle	Deg.	360deg. Continuous	360deg. Continuous	360deg. Continuous	360deg. Continuous	360deg. Continuous
Slewing speed	r.p.m	2.0	2.5	2.5	2.5	2.0
Wire rope	φ * m	8*60/Hercules	8*60/Hercules	8*60/Hercules	8*60/Hercules	10*100/Hercules
Winch reduction-gear type		Spur gear speed reduction with mechanical brake				Spur gear speed reduction with Hydraulic brake
Single line pull	ton	0.75/1 layer	0.75/1 layer	0.75/1 layer	0.75/1 layer	1.25/1 layer
Slewing reduction-gear type		Hydraulic motor driven, type of worm gear speed reduction with hydraulic brake				
Outrigger type		Vertical and horizontal hyd. operated systems				
Outrigger span	m	Front : 4.18, Rear : 3.16	Front : 4.18, Rear : 3.16	Front : 4.18, Rear : 3.16	Front : 4.18, Rear : 3.16	Front : 5.05, Rear : 4.4
Recommended truck	ton	over 3.5ton	over 3.5ton	over 3.5ton	over 3.5ton	over 4.5ton
Safety device		Overwinding device, Overloading device, Hydraulic safety valve, Overcenter valve, Check valve for outrigger, Load indicator Safety latch hook, Emergency stopping device				

Medium Duty Crane Technical Data

HTS 1656 / HTS 1756 / HTS 2076 / HTS 2077 / HTS 3076



Description	Units	HTS 1656	HTS 1756	HTS 2076	HTS 2077	HTS 3076
Lifting capacity	ton.m	16.0	16.5	18.5	18.5	30.0
Lifting capacity / Outreach	kg/m	6,400/2.0	7,000/2.0	8,000/2.3	8,000/2.3	12,000/2.5
		3,000/4.3	1,550/7.6	2,700/6.0	3,400/5.2	3,500/6.0
		1,010/9.5	1,000/10.4	1,300/12.0	1,280/11.0	1,650/12.0
		450/17.3	410/19.1	500/20.3	400/22.7	600/22.3
Working radius max	m	17.3	19.1	20.3	22.7	22.3
Working height max	m	20.3	21.9	23.1	26.7	29.8
Derrick cylinder	type	Single	Double	Double	Double	Double
Shape of boom	type	Hexagonal type construction 6 sections	Hexagonal type construction 6 sections	Hexagonal type construction 6 sections	Hexagonal type construction 7 sections	Hexagonal type construction 6 sections
Boom extending speed	m/sec	11.75/40	14.25/45	15.55/40	17.45/40	17.05/45
Boom raising speed	Deg./sec	0~80/20	0~80/15	-17~80/16	-17~80/16	-17~80/20
Slewing angle	Deg.	360deg. Continuous	360deg. Continuous	360deg. Continuous	360deg. Continuous	360deg. Continuous
Slewing speed	r.p.m	2.0	2.0	2.0	2.0	2.0
Wire rope	φ * m	10*100/Hercules	10*100/Hercules	10*100/Hercules	10*120/Hercules	12*120/Hercules
Winch reduction-gear type		Spur gear speed reduction with mechanical brake				Spur gear speed reduction with Hydraulic brake
Single line pull	ton	1.25/1 layer	1.75/1 layer	1.75/1 layer	1.75/1 layer	2.0/1 layer
Slewing reduction-gear type		Hydraulic motor driven, type of worm gear speed reduction with hydraulic brake				
Outrigger type		Vertical and horizontal hyd. operated systems				
Outrigger span	m	Front : 5.49 , Rear : 4.4	Front : 5.65 , Rear : 4.4	Front : 5.82, Rear : 4.4	Front : 6.07, Rear : 4.2	Front : 6.22, Rear : 4.4
Recommended truck	ton	over 5.0ton	over 7.0ton	over 7.0ton	over 7.0ton	over 9.5ton
Safety device		Overwinding device, Overloading device, Hydraulic safety valve, Overcenter valve, Check valve for outrigger, Load indicator Safety latch hook, Emergency stopping device				

Heavy Duty Crane Technical Data

HTS 5126 / HTS 6156 / HTS 8156S / HTS 8156



Description	Units	HTS 5126	HTS 6156	HTS 8156S	HTS 8156
Lifting capacity	ton.m	36.0	45.0	76.0	70.0
Lifting capacity / Outreach	kg/m	12,000/3.0	15,000/3.0	20,000/3.0	15,000/3.0
		3,200/9.6	7,100/6.7	5,500/10.0	5,100/10.0
		1,410/17.3	2,390/14.9	3,100/15.0	2,765/15.0
		800/25.0	1,100/27.6	1,500/29.5	1,000/33.6
Working radius max	m	25.0	27.6	29.5	33.6
Working height max.	m	28.1	30.2	33.2	37.2
Derrick cylinder	type	Double	Double	Double	Double
Shape of boom	type	Hexagonal type construction 6 sections	Heptagonal type construction 6 sections	Octagonal type construction 6 sections	Heptagonal type construction 6 sections
Boom extending speed	m/sec	19.2/54	20.5/60	22.35/65	26.0/65
Boom raising speed	Deg./sec	-17~80/20	-13~80/30	-12~80/50	-9~80/30
Slewing angle	Deg.	360deg. Continuous	360deg. Continuous	360deg. Continuous	360deg. Continuous
Slewing speed	r.p.m	2.0	1.0	1.0	1.0
Wire rope	φ * m	12.5*120/Hercules	14*120/Hercules	16*110/Hercules	16*110/Hercules
Winch reduction-gear type		2 Speed control Hyd. motor driven, planetary gear speed reduction with hydraulic brake			
Single line pull	ton	2.0/1 layer	3.0/1 layer	4.0/1 layer	4.0/1 layer
Slewing reduction-gear type		Hydraulic motor driven, type of worm gear speed reduction with hydraulic brake		Hydraulic motor driven, type of worm & planetary gear speed twin reduction with hydraulic brake	
Outrigger type		Vertical and horizontal hyd. operated systems			
Outrigger span	m	Front : 6.22, middle : 3.36, Rear : 4.4	Front : 7.4, middle : 5.7, Rear : 5.7	Front : 7.8, middle : 5.7, Rear : 5.7	Front : 7.8, middle : 5.7, Rear : 5.7
Recommended truck	ton	over 11.5ton	over 25ton	over 25ton	over 25ton
Safety device		Overwinding device, Overloading device, Hydraulic safety valve, Overcenter valve, Check valve for outrigger, Load indicator Swing reduction hydraulic brake, Safety latch hook, Emergency stopping device			

Auger Crane Technical Data

HTS 833A / HTS 835A / HTS 2076A



Description		Units	HTS 833A	HTS 835A	HTS 2076A
Lifting capacity		ton.m	8.0		18.5
Lifting capacity / Outreach	kg/m		3,500/2.3	3,500/2.3	8,000/2.3
			2,600/3.1	1,300/5.0	2,700/6.0
			1,250/5.1	550/9.0	1,300/12.0
			950/7.1	350/12.5	500/20.3
Working radius max		m	7.1	12.5	20.3
Working height max		m	9.6	15	23.1
Derrick cylinder		type	Single	Single	Double
Shape of boom		type	Hexagonal type construction 3 sections	Hexagonal type construction 5 sections	Hexagonal type construction 6 sections
Boom extending speed		m/sec	4.0/25	8.8/25	15.55/40
Boom raising speed		Deg./sec	-16~80/15	-16~80/15	-17~80/16
Slewing angle		Deg.	360deg. Continuous	360deg. Continuous	360deg. Continuous
Slewing speed		r.p.m	2.5	2.5	2.0
Wire rope		φ * m	8*60/Hercules	8*60/Hercules	10*100/Hercules
Winch reduction-gear type			Spur gear speed reduction with mechanical brake		
Single line pull		ton	0.75/1 layer		1.75/1 layer
Slewing reduction-gear type			Hydraulic motor driven, type of worm gear speed reduction with hydraulic brake		
Outrigger type			Vertical and horizontal hyd. operated systems		
Outrigger span		m	Front : 4.18, Rear : 3.16	Front : 4.18, Rear : 3.16	Front : 5.82, Rear : 4.4
Recommended truck		ton	over 3.5ton	over 3.5ton	over 4.5ton
Safety device			Overwinding device, Overloading device, Hydraulic safety valve, Overcenter valve, Check valve for outrigger, Load indicator Safety latch hook, Emergency stopping device		
Auger	Hole diameter	mm	350		450
	Hole depth	mm	1,500/max over 3,000		4,500
	Torque	Kgf/m	500		827

Dedicated Auger Crane

HTA 510



Description		Units	HTA 510	
Capacity	Lifting capacity	ton.m	16	
	Max. height	m	15.0	
	Max. working radius	m	13.0	
Boom	Boom shape	Type	Hexagonal, 4 sections	
	Boom length	m	14.0	
	Boom extending speed	Sec	50	
	Boom lifting speed	Sec	30	
	Boom lifting angle	°	-5~80°	
Winch	Winch Type	Type	Hyd. motor driven spur gear type	
	Input torque	Kgf.m	9.2	
	Lifting speed	High	m/min	40
		Low	m/min	12
	Hook capa.	ton	4.0	
Wire rope spec.	φ * m	10*78		
Slewing	Slewing type	type	Hyd. motor driven worm gear type	
	Slewing range	Deg.	360 degree continuous	
	Slewing speed	rpm	1.5	
Outrigger	Outrigger type(Fr & Rr)	type	Hydraulic driven H-type & Box	
	Outrigger span	mm	3,606	
Auger	Drilling Hole Dia.	mm	over 450	
	Working depth	m	over 4.5	
	Working radius	m	3.7~9.6	
	Auger Torque	Kgf.m	810	



The mechanism of high-tech, Samyang's technology!!
We provide customized service for customer.

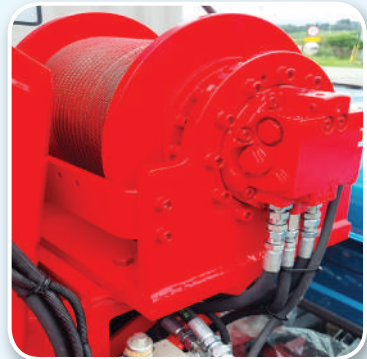
OPTION



Cabin Tilting Device



Crane Control Unit at Cabin



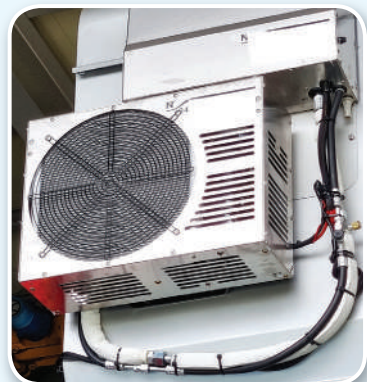
Sub Winch



Cabin Lifting Device



AML System



Air Conditioner

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