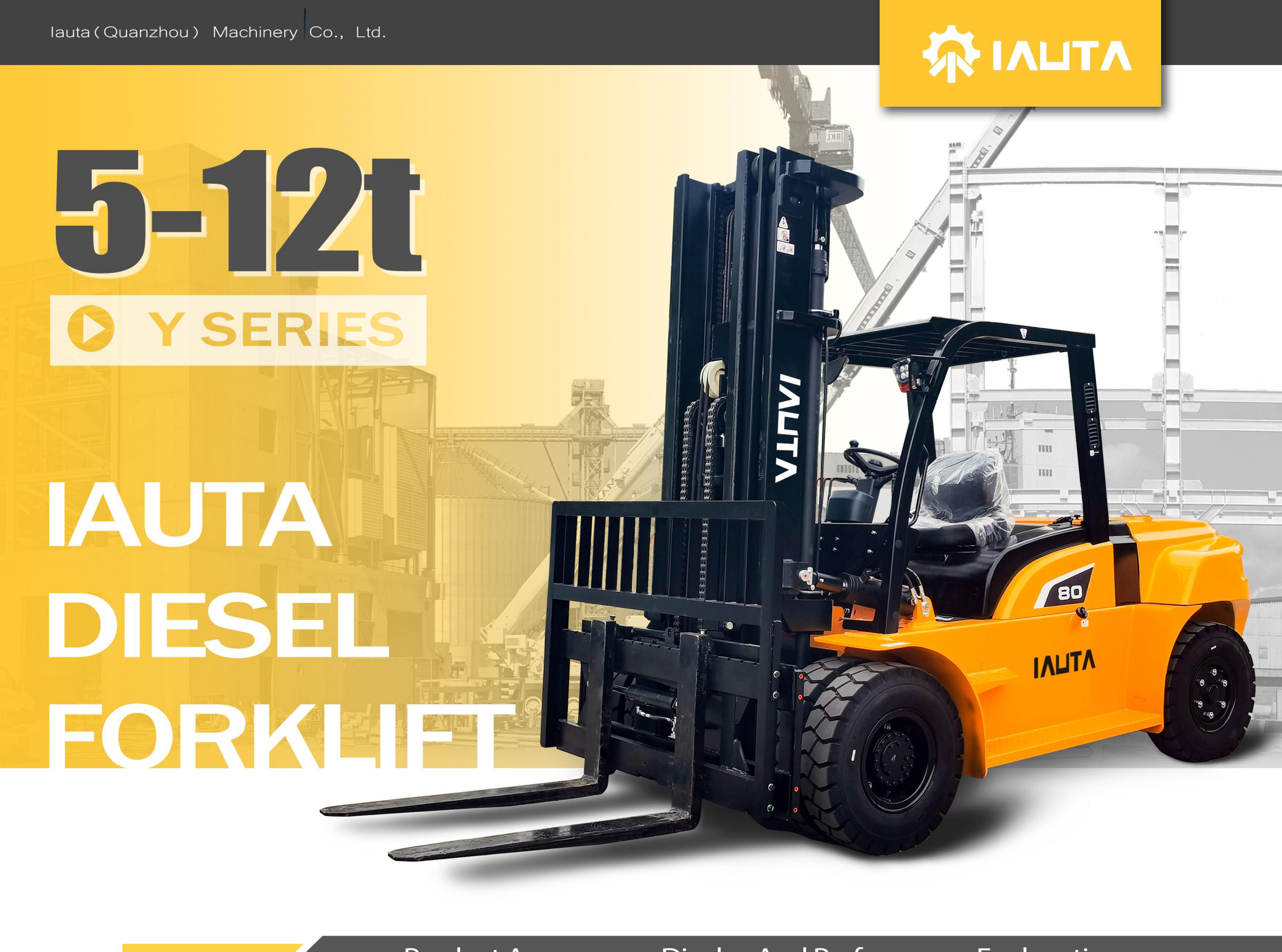




Product Appearance Display And Performance Explanation



Intelligentialize

According to the advanced ergonomic design, integrated control valve type operating handle, electrical switches centralized layout, fast and convenient manipulation.



Reinforced wide view mast

The widened design of the mast makes the driver's vision wider. The mast is made of C4 steel, with solid structure, high bearing strength, and safe and reliable operation.

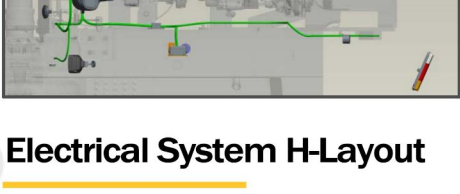


Central electrical box

Integrated design of electrical circuit, fuses and relays are concentrated in the electrical box, and there are backup fuses; Located inside the hood, it is waterproof and dust-proof, with reliable connection and convenient maintenance.

High strength cast steel bridge+wide base tire

The axle housing is made of cast steel, with a more solid structure and stronger bearing capacity.Front double wheels are equipped as standard, with wider section and more stable operation.



Electrical System H-Layout

The harness layout is neat and beautiful, and the maintenance is convenient; The vehicle body at both sides of the electrical parts is fixed and balanced firmly; The harness is shorter, without unnecessary bending, and the conductivity is higher.



Load sensing hydraulic system

The full hydraulic load sensing system is adopted to give priority to steering, which makes the steering response faster and easier to operate.The hydraulic pipeline is double sealed with 24 " cone+O-ring to reduce leakage.



New steering system

Small operation force, flexible and stable turning, high reliability; All parts of the axle body are precision manufactured, leak free, and have a long service life.



Small steering wheel

The small diameter steering wheel can be adjusted according to the angle of inclination designed by ergonomics(φ 300), good hand feel, and reduces the fatigue strength of the operator.



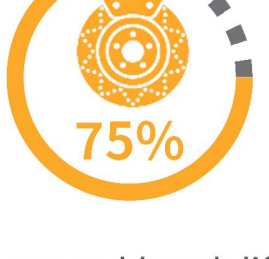
Hydraulic system energy saving



Reduced fuel consumption



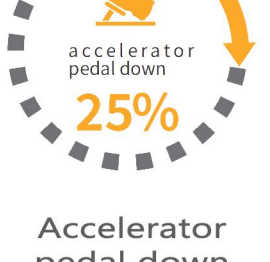
Increased viewing range of new mast



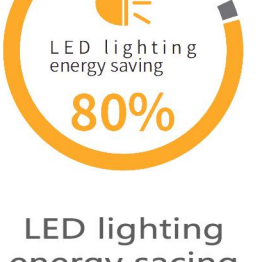
Increased break life



NVH optimization.noise reduction 2DB.vibration reduction



Accelerator pedal down



LED lighting energy sacing



Increased maintenance space

IAUTA DIESEL FORKLIFT IDF5-12t

BASIC TECHNICAL PARAMETERS

Model			IDF50	IDF60	IDF70	IDF80	IDF100	IDF120
Power type			diesel	diesel	diesel	diesel	diesel	diesel
Lift capacity		(kg)	5000	6000	7000	8000	10000	12000
Load center distance		(mm)	600	600	600	600	600	600
Battery(Voltage/Capacity)		(V/Ah)	24/100	24/100	24/100	24/100	24/100	24/100

PERFORMANCE PARAMETERS

Max.lift height	H	(mm)	3000	3000	3000	3000	3000	3000
Free lift height	H4	(mm)	190	190	195	195	195	195
Mast tilt angle (front/rear)	α/β	(°)	6/12	6/12	6/12	6/12	6/12	6/12
Max.lift speed(full load/no load)		(mm/s)	500/520	500/520	500/520	442/484	350/390	350/390
Max.lowering speed(full load/no load)		(mm/s)	360/400	360/400	360/400	400/360	370/350	370/350
Max.travelling speed(full load/no load)		(km/h)	25/30	25/30	25/30	25/30	25/30	23/28
Min.turning radius	r	(mm)	3320	3320	3400	3700	4100	4300
Gradeability(full load/no load)		(%)	20/25	20/25	20/25	20/25	20/25	20/25
Max.traction force		(kN)	70	70	70	70	70	70
Overweight		(kg)	8330	8800	9550	9900	12900	14000

DIMENSIONS

Length(without fork)		(mm)	3480	3480	3580	3830	4340	4540
Width	W	(mm)	2000	2000	2000	2000	2200	2200
Height of mast	H1	(mm)	2500	2500	2500	2560	2850	2850
Overall height (overhead guard)	H3	(mm)	2450	2450	2450	2510	2560	2560
Height of load-backrest	H6	(mm)	1440	1440	1440	1500	/	/
Overall height at max.lift	H2	(mm)	4430	4430	4430	4490	4325	4325
Min.ground clearance		(mm)	200	200	200	260	250	250
Wheel base	L	(mm)	2250	2250	2250	2500	2800	3000
Front wheel tread	W1	(mm)	1470	1470	1470	1470	1600	1600
Rear wheel tread	W2	(mm)	1710	1710	1710	1710	1725	1725
Front overhang	L2	(mm)	590	590	590	650	740	740
Rear overhang	L3	(mm)	640	640	740	740	800	800

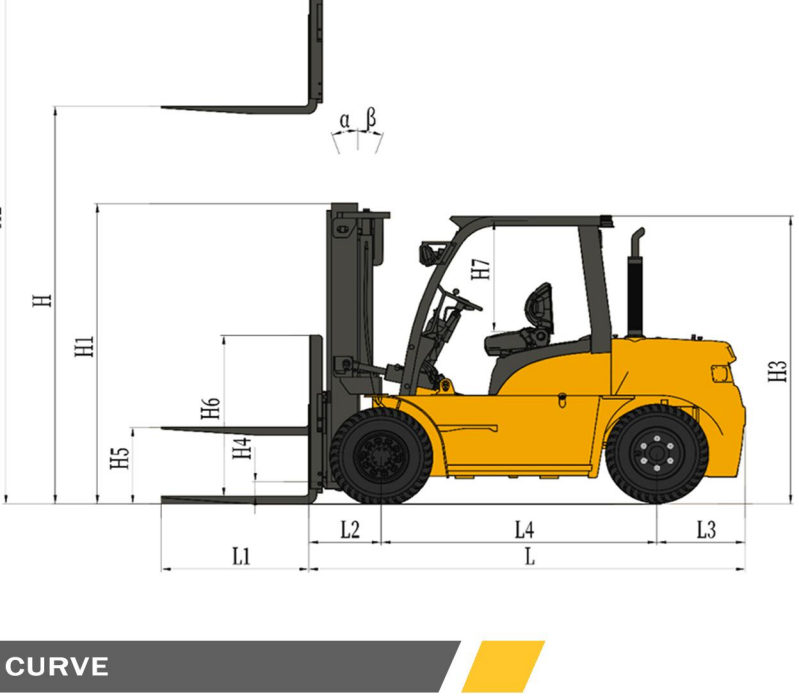
OTHER PARAMETERS

Front tires			8.25-15-14PR	8.25-15-14PR	8.25-15-14PR	8.25-20-14PR	9.00-20-14PR	9.00-20-14PR
Rear tires			8.25-15-14PR	8.25-15-14PR	8.25-15-14PR	8.25-15-14PR	9.00-20-14PR	9.00-20-14PR
Fork size(L*W*H)	B	(mm)	1220×150×60	1220×150×60	1220×150×65	1220×150×70	1220×180×75	1520×180×100

ENGINES

Engine model			QuanchaiS45-115C41			YuchaiYCA05115-T480		
Rated power		(kW/r)	85/2200			85/2200		
Rated torque		(Nm/r)	500/1600			500/1400-1600		
Number of cylinders			4			4		
Displacement		(L)	4.29			4.837		

CONTOUR

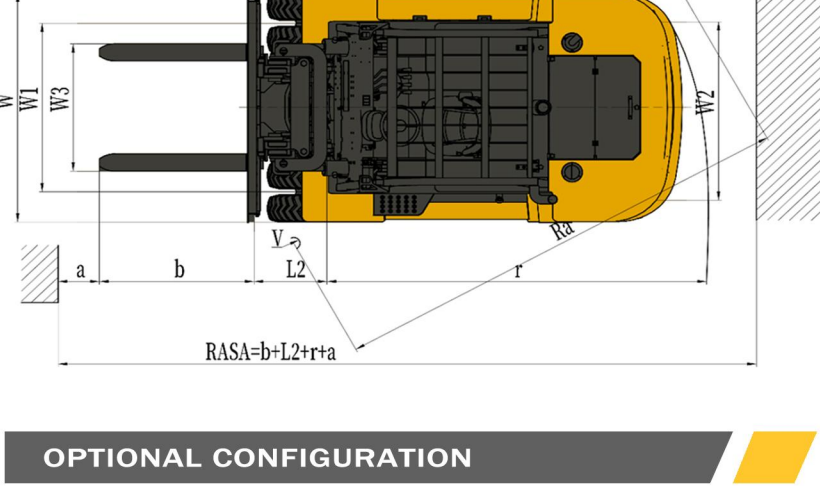


RASA: Right Angle Stacking Aisle Width (RASA)= R + L2 + b + a

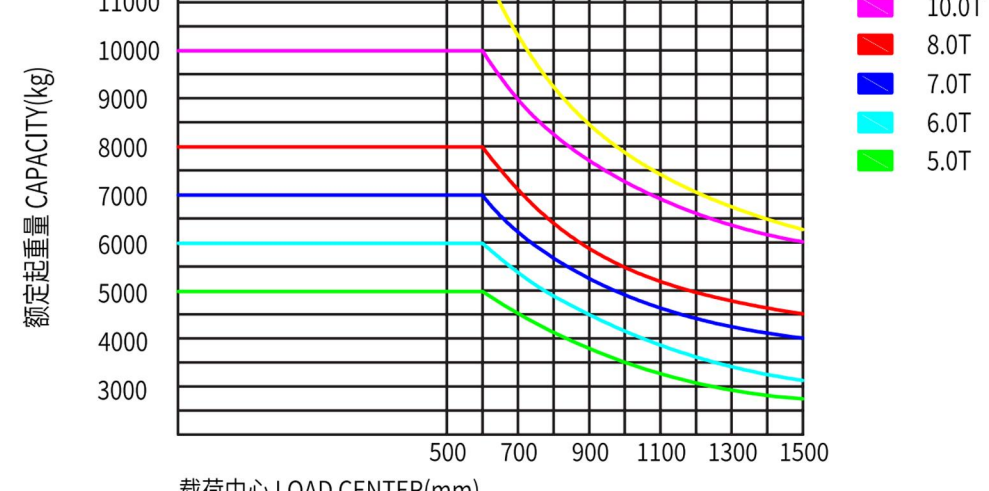
a: Safety Clearance

b: Load Length

v: Turning radius (inside)



LOAD CURVE



Note: The vertical axis represents the load capacity, and the horizontal axis represents the load center. The load center is calculated from the front of the fork, and the base point of the standard load refers to the center of a cube with a side length of 1000 mm. When the mast is tilted forward, using non-standard forks or loading a load that exceeds the normal width, the load capacity will be reduced. The load curve diagram provides a timely understanding of the load carrying capacity at various load centers.

OPTIONAL CONFIGURATION

Spring-seat chair	Overhead guard	Custom Colors
Dual air filter	Panoramic rear view mirror	LED Rear task light
Driving cab	High exhaust device	Tool cabinet
Fire extinguisher	Three /four pieces multitandem valve	
Solid tire	Front windshield 【windscreen wiper 】	

ATTACHMENTS OF FT

Side shifter	Roll Clamp	Rotary holding clamp	Rotary fork clamp
Load stabilizer	Fork crown cover	Barrel grab	Bale Clamp
Craton Clamp	Fork Positioner	Push-puller	Tilting shifter
Side-shifter	Cargo boom	Cargo boom	Spinner

SPECIAL OPTIONS FOR MAST

Full free duplex mast	Full free triplex mast	Widen fork
Extended load-backrest	Extended fork	Special fork

STANDARD CONFIGURATION

Full Hydraulic Power Steering	Basic hand tool	Lift oil speed limit valve	wide view duplex mast	standard load-backrest	Standard fork
Cable handbrake	Standard overhead guard	Pneumatic tire	Commode handle	Standard seat	Anti-slip boarding pedal
LED split rear taillight	Two-piece multiway valve	Charge relief valve	Joystick	Hydraulic oil scale	Tilt oil line self-locking valve
Warning buzzer	Klaxon	earview mirror	Awning	Steering wheel adjustable device	
LED combination headlights	USB charging connection	Multi-function control instrument			

STANDARD CONFIGURATION

Model	units	Xichai CA4DF3-125G3JU-A51A2	Quanchai 4U1-115C32	Yuchai YCA05115-T480	MitsubishiS6S-T	Quanchai S45-115C41	Xichai CA4DF3-125G3JU	Xichai CA6110	Isuzu 6BG1OC-02
EngineMode		Monomer pump	Bosch Common Rail	Bosch Common Rail	VE pump	Bosch Common Rail	Monomer pump	Mechanical pump	Mechanical pump
EmissionStandard		Stage III (export)	Stage II (export)	Stage IV	Stage II (export)	Stage IV	Stage III (export)	Stage I (export)	Stage I (export)
RatedPower	Kw/r/min	85/2200	85/2200	85/2200	65.5/2250	85/2200	85/2200	83/2000	82.4/2000
RatedTorque	N·m/r/min	460/1300-1700	500/1320-1650	500/1400-1600	303/1700	500/1600	460/1400-1500	450/1400-1500	416.8/2000
Displacement	mL	4.75	4.3	4.837	4.966	4.29	4.75	7.127	6.494
AvailableModel		5-10t	5-10t	5-10t	5-7t	5-10t	5-10t	5-10t	5-10t
Transmission		Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic

5-7T WIDE VIEW DUPLEX MAST

Max. lift height	Overall height at max. lift												Free lift height		Front overhang			mast tilt angle	Rated load (single wheel)		
	Landing height of mast			with load-backrest			Overall height at max. lift			Free lift height with load-backrest	Free lift height	St	St	St	St	St	St	front/Back	load center distance 500mm		
	St	St	St	St	St	St	St	St	St										St	St	St
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	(°)	(kg)	(kg)	(kg)
2500	2250	2250	2250	3915	3915	3920	3430	3430	3440	200	200	590	590	590	595	6/12"	5000	6000	7000		
2700	2350	2350	2410	4115	4115	4120	3630	3630	3640	200	200	590	590	590	595	6/12"	5000	6000	7000		
2780	2375	2375	2435	4195	4195	4170	3690	3690	3690	200	200	590	590	590	595	6/12"	5000	6000	7000		
3000	2500	2500	2560	4415	4415	4420	3930	3930	3940	200	200	590	590	590	595	6/12"	5000	6000	7000		
3250	2625	2625	2685	4685	4685	4670	4180	4180	4190	200	200	590	590	590	595	6/12"	5000	6000	7000		
3300	2650	2650	2710	4715	4715	4720	4230	4230	4240	200	200	590	590	590	595	6/12"	5000	6000	7000		
3500	2750	2750	2810	4915	4915	4920	4430	4430	4440	200	200	590	590	590	595	6/12"	5000	6000	7000		
3750	2875	2875	2935	5165	5165	5170	4690	4690	4690	200	200	590	590	590	595	6/12"	5000	6000	7000		
4000	3050	3050	3110	5415	5415	5420	4930	4930	5040	200	200	590	590	590	595	6/12"	5000	6000	7000		
4200	3175	3175	3235	5665	5665	5670	5180	5180	5290	200	200	590	590	590	595	6/12"	5000	6000	7000		
4500	3425	3425	3485	5915	5915	5920	5430	5430	5540	200	200	590	590	590	595	6/12"	5000	6000	7000		
4700	3550	3550	3610	6165	6165	6270	5680	5680	5790	200	200	590	590	590	595	6/12"	5000	6000	7000		
5000	3750	3750	3810	6415	6415	6520	5930	5930	6040	200	200	590	590	590	595	6/12"	5000	6000	7000		
5300	3850	/	/	6815	/	/	6330	/	/	200	200	590	/	/	/	6/16"	4750	/	/	/	/
6000	4100	4100	4160	7415	7415	7520	6930	6930	7140	200	200	590	590	590	595	3/16"	4400	5400	6400		
6500	4350	4350	4460	7915	7915	8220	7430	7430	7740	200	200	590	590	590	595	3/16"	/	/	/	/	/

5-7T WIDE VIEW FULL FREE DUPLEX MAST

5-7T WIDE VIEW FULL FREE DUPLEX MAST																			
Max. lift height	Overall height at max. lift										Free lift height		Front overhang			mast tilt angle	Rated load (single wheel)		
	Landing height of mast				with load-backrest		Overall height at max. lift				Free lift height with load backrest	Free lift height	front/back				load center distance 500mm		
	5t	6t	7t		5t	6t	7t	5t	6t	7t			5t	6t	7t	front/back	5t	6t	7t
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	(°)	(kg)	(kg)	(kg)	
2500	2250	2250	2250	4635	4635	4635	4635	3270	3270	3270	815	1268	550	550	555	6°12"	5000	8000	7000
3000	2500	2500	2500	5135	5135	5135	5135	3770	3770	3770	1005	1548	550	550	555	6°12"	5000	8000	7000
3300	2650	2650	2650	5435	5435	5435	5435	4070	4070	4070	1215	1698	550	550	555	6°12"	5000	8000	7000
3500	2750	2750	2750	5635	5635	5635	5635	4270	4270	4270	1315	1798	550	550	555	6°12"	5000	8000	7000
3750	2875	2875	2875	5885	5885	5885	5885	4520	4520	4520	1440	1923	550	550	555	6°12"	5000	8000	7000
4000	3050	3050	3050	6000	6000	6000	6000	4695	4695	4695	1565	2048	550	550	555	6°12"	4800	8000	7000
4250	3175	3175	3175	6185	6185	6185	6185	4820	4820	4820	1690	2173	550	550	555	6°12"	4700	8000	7000
4500	3300	3300	3300	6310	6310	6310	6310	4945	4945	4945	1815	2298	550	550	555	6°12"	4600	8000	7000
5-7T WIDE VIEW FULL FREE TRIPLEX MAST																			