#### SHANDONG TAVOL MACHINERY CO.,LTD 8F+2R 304-504 series tractor main technical specifications

Model				304	404	504		
	Т	уре			4×4 wheel type			
	Power output	shaft maximu	m	20	25	31		
	Calibrated tra	action force kN	1	6.7	8.4	10.5		
	Structur	e mass kg		1265	1295	1295		
	Mass	Front Axle	•	590	608	608		
	distribution kg	Rear Axle		830	912	912		
	Minimum (	use mass kg		1420	1520	1520		
	Counterweigh	Front			45			
	t kg	Rear			48			
		Front Whe	el		1250			
	Wheelbase	Front whee	el		Non-adjustable			
	mm	Rear Wheel		1000-1300				
		Rear wheel		Steplessly adjustable				
0	Wheelbase mm			1885				
Complete machine	Radius of			≤4.0				
parameters	steering circle	Single-sided		≤3.5				
	Minimum ground clearance and			295 (Bottom of front axle oil plug)				
		Long		3315				
	Dimension	wide		1570				
	mm	High (to		2010				
		High (to			1500			
		High (to safe	ety	2230				
			Ι		1.70/1.76			
		Low-speed	II		2.58/2.68			
		gear			4.05/4.21			
	Theoretical		IV	5.59/5.80				
	speed km/h				7.84/8.14			
		High-speed			11.95/12.40			
		gear			18.74/19.46			
			IV		25.84/26.82			

	Mod	lel	304		404		504
	Invert I		2.23/2.32				
Theoretic		Reverse II	10.32/10.71				
speed kn	n/h	Note: This theoretical	speed is calculated based		ibrated engine speed of 2 4/11.2-24.	2300r/min a	and the rear drive wheels of
Safety frame or cab type/model					Folding		
	Engine ar	nd clutch connection method			Direct connection	n	
	Air fi	lter type/model	Three-stage oil b	oath type, N	1Y-120×50/MY-125×75/M	IY-160×80/N	MY-130×100/MY-155×105
	Lubr	ication method			Pressure and splash co	mpound	
Engine	Со	oling method			Forced water cool	ing	
	Sta	arting method			Electric start		
	Er	nission level	Non-road National II				
	Crankshaft rotation direction (facing the power output)		Counterclockwise				
	Model		250.50.011				
Fuel Tank		Volume L	25				
	Desigi	n pressure (kpa)	30				
	Mod	lel	304		404		504
Muffler		hamber size (length × h × thickness)	465×Φ124				
	Mut	ffler weight kg	4.48				
		Clutch	Single piece, dry type, coil spring compression type, normally combined, single acting				
	Ti	ransmission	(4+1)×2 combination type				
	Central	drive (front/rear)	Spiral Bevel Gear Type / Spiral Bevel Gear Type				
Duine line	Differe	ential (front/rear)	Closed type, 2 planetary bevel gears / Closed type, 2 planetary bevel gears				
Drive line	Dif	ferential Lock	Dental Inlay				
		Brakes	Built-in, single-pole straight cylindrical gear				
	Trailer B	rake Manipulation	Ventilated, pneumatic brake				
	Final	drive (front/rear)	Spiral bevel gear pair / straight cylindrical gear external mesh type				
Working	Hydraulic	Туре			Semi-split type		
device	Lifter	Tillage de	pth adjustment method			Integrated r	regulation

	Maximum lifting force KN at 610mm	4.95	6.62	8.3			
	Safety valve opening pressure Mpa		17±0.5				
	Sensing method		Upper Tie Rod Sensing				
	Hydraulic oil pump		CBN-E314 Gear Pump				
	Dispenser		External unloading control type				
	Hydraulic cylinder type	Horizontal single acting plunger type					
	Hydraulic cylinder bore mm	63 or 70					
	Hydraulic cylinder stroke mm	100					
	Туре	Rear-I	Rear-mounted, three-point suspension I class				
Suspensio	Upper suspension		+0.51				
n mechanis	point pin hole diameter mm	19	+0.30				
m	Lower suspension point pin hole	22	+0	.73			
	diameter mm	<i></i>	+0.40				

	Mode	el	304		404		504		
		Туре	Rear freestanding						
\A/e alvia a	Power	Rotational speed r/min		54	0-1000/540-760(option)				
Working device	output		8D-28.4	0	×38	-0.032	×6	-0.240	
uevice	shaft	Spline Size	0D-20:4	-0.28	^30	-0.10		-0.300	
		mm	or 6D-28.91±0.05×34.79±0.06×8.69		-0.09 -0.16				
		Rack	Rackless						
		Front Suspension			Rigid suspension type				
Steering		Front Axle		Be	evel gear type drive axle				
system	Tiree	Front Wheel Specifications	6.00-16/6.50-16				6.5	50-16	
	Tires	Rear Wheel Specifications		11.2-24					

		,	SHANDONG TAVOL WACHINEKT CO.,LTD				
	Tire	Front Wheel	Field: 194-245 Transport: 220-245				
	press ure		Field: 98-109 Transportation: 98-120				
	Kpa	Rear Wheel					
	Stee	ering method	Hydraulic steering				
			Mechanical internal feedback happy non-responsive hydrost				
	Steering		Hydraulic pump model: HLCB-D0606 left-handed constant				
	Eror	nt beam mm	Hydraulic steering type model: cycloidal closed-core full hydraulic 4-8	steering/BZZ-80			
-		wheel camber					
		sales inward					
		leaning	10°				
	Main p	in backward tilt	0°				
	Мос	del	304 404	504			
		il pressure gauge	YT-102(0-10)Mpa				
Instrumentat	io W	/ater temperature	WT-2(0-100)℃				
n	gauge Ammeter		307(±30)A				
	Δi	r pressure gauge	YT-102(0-10)Mpa				
		Electrical system	12V single-wire system, negative override				
		Generators	JF11A, 14V, 350W				
		Starter motor	QD1308J, 12V, 2.5kw or QD1315D, 12V, 3.2kw or QDZ157, 12V, 3.2kw				
Electrical	Ge	enerator regulator	FJ70 or transistor regulator JFT144 (JFT149)				
equipment		Battery	6-QW-120MF				
		Headlights	Taiwo-350.47.052 12V, 60/55w				
	F	Front turn signal	12V, 21w, one on each side				
		Rear headlights	Jeep type 12V, 21w				
		Engine cooling system L	10				
	E	ingine oil sump L	8-9				
		njection pump L	0.3				
Main refill		Air Filter L	0.5				
volume		Transmission L	Rear-wheel drive10 Four-wheel drive11.8				
		Final Drive L	1.6×2				
		Lifter L	5.5-6.5				
	Front drive axle L		6 (four-wheel drive)				

## 8F+8R 504-704 series tractor main technical specifications

	Model	Unit	504	604	704					
	Туре		4×4 wheel type	4×4 wheel type	4×4 wheel type					
Calibrated traction		kN	10	11	14					
	ver output shaft aximum power	kW	31	37	43					
	Long (including after front counterweight) hanging)	mm	3910	3910	3910					
Size	Width (common wheelbase standard) outside of the tire)	mm		1720						
SIZE	High (to the top of the silencer.) Calibrated tires)	mm		2030(Muffler optional)						
	High (to steering wheel)	mm		1680						
	High (with cab to driver) roof of the driving room)	mm		2600						
	Front Wheel	mm	850/1100/1200/1300/1400							
Whe el Dist	Front wheel adjustment method			4WD non-adjustable						
anc	Rear Wheel	mm	850	), 1100, 1200, 1300, 1400 (factory 120	00)					
e	Rear wheel adjustment method		Limit adjustable or without Limit adjustable							
Axis d	xis distance		1700	1700	1700					
Gro und Clea	Minimum Ground Clearance	mm		380 (rear traction plate)						
ranc e										

Minimum	Use of		Two-wheel drive:≤3.2Four-wheel drive:≤3.6
steering	one-sided	m	
Radius	braking		

		ne-sided	m		Two-wheel drive:≤3.4Four-wheel drive:≤	3.8			
	frame o pe/mod				Two-post type/704.46.001				
Structure		lo cab		1965	2065 2065				
Quality		ith cab	kg -	2165	2265	2265			
Minimum		lo cab		2140	2270	2270			
Use quality		ith cab	kg	2340	2440	2440			
1	Fron t Whe el	No cab at the front wheel	kg	945	970	970			
Quality		Front wheel with cab		1015	1065	1065			
Distributi on	Rea r Whe el	Rear wheel without cab	kg	1195	1300	1300			
		Rear wheel with cab	U _	1325	1375	1375			
Ballast		nt Ballast	kg -		48				
Dallast		r Ballast	ĸу		1. 48				
		Туре			Direct connection				
Engine		Brand			YTO				
-	Coo	ling Type		In	line, four-stroke, direct injection, water-c	ooled			

	Model		704.50.011
Tank	Volume	L(liters)	60
Tank	Design	kpa	200
	pressure	кра	
	Size of		Φ136×515
Muffling	muffling	mm	
Munning	chamber		
	Weight	kg(kg)	6.3
	Clutch type		Dry double acting
Transmis	Transmissio	shift side	4×2× (1+1) composition, shift
sion	n type	style	
	Rear Axle	Central	Spiral Bevel Gear Sub

	drive	
	Differenti	Quad planetary gear, closed type
	als	
	Differenti	Column pin type
	al Lock	
	Rear final	Planetary gear type
	drive	
Precursors	Drive	Mid-mounted drive shaft
Dynamic	Shaft	
Bridge	Front	Enclosed bevel gear type
	central	
	drive	
	Front	Closed type, two planetary bevel gears
	differenti	
	al	
	Front	Spiral Bevel Gear
	final drive	
Rack		Rackless
Front		Rigid suspension type
Suspension		
Front Axle		Telescopic casing type
	Dynamic Bridge Rack Front Suspension	Differenti alsDifferenti alsDifferenti al LockRear final drivePrecursorsDrive ShaftDynamic BridgeFront central driveBridgeFront central differenti alFront final driveFront 

	Tires Pneumatic	Front Wheel kpa	The front wheel is the guide wheel model: 167-186 (field work)/225-245 (transport work), the f the driving wheel model: 118-138 (field work)/167-168 176 (Transport operations)				
	pressure	Rear Wheel kpa	118-138	field operations) 167-176 (transport op	erations)		
Engine		Front Wheel	6.5-16	7.5-16	8.3-20		
		Rear Wheel	11.2-24				
	Tires	Optional front wheel	11.2-24	11.2-24 12.4-28 7.5-16 Paddy Tires			
		Optional rear wheel		11.2-28 Paddy Tires			
	Travel brake system		Dry shoe brakes				
Moving	Parking brake		Manipulator brake				
	Trailer Brak	e Manipulation	Ventilated, pneumatic brake				
Steering	Ν	lode	Hydraulic front wheel steering				
system	Stee	ring form	Cycloidal rotary valve type fully hydraulic steering gear				
PTO		Гуре	Semi-independent				

				on / Number of plines		I type (Φ35×6 teeth or Φ38×8 tee	th)				
				onal Speed (rev/min)		540/760 or 540/1000					
Wor	kina			c system type		Semi-split type					
dev			Hydrau	lic oil pump	Gear pump,312-PHL/CBJ	Gear pump,312-PHL/CBJ30-F10HZ,Displacement:10ml/r(ml/rev) CBN-E316,Displacement:16 ml/r(ml/rev)					
	Cyl ind		neter x roke	mm	80 × 110						
	er		ype			Single role					
			ype			Rear-mounted three-point suspens	ion				
			egory			Class I					
	Su		stment		Force adjustment	, position adjustment, individual contr	ol of force and position				
	sp		thod								
	en sio	Har	nging nt size	mm	Coupling hole×width:Up	pper suspension pointΦ19.3×44Lowe	r suspension pointΦ22.4×35				
Wor	n		timum	kN							
king	De		e (after								
devi	vic		ension				12				
ce	e	point)			8.8	10.5					
			l0mm)								
	Sa	fety valv		Мра		17.5-18					
		ening pr									
			Devic			Simple hydraulic output					
			е								
	Hyo	Iraulic	Quant			1 pair or 2 pairs (optional)					
	0	utput	ity								
			Specif		M22×1.5						
			ication								
Pulli	Pul		уре			Pendulum type (optional)					
ng	lin	U U	ht from	mm		344					
and	g	the c	ground								
towi	Т	owing d	evice			U-shaped hook (optional)					
ng	ng j										
	1	er's sea			Mechanical sus	spension, PVC surface, height, front					
Electr	ΠĽΕ	ectrical	system			12V negative hitch single wire syst	em				
cal	.		Model			See engine manual					
Instru		Notor	Voltag			14V					
menta		lachin	е								
tion Syste		е	Power			0.35, 0.5, 0.75					
m Syste	-		FUWEI								

#### Theoretical speed of tractor Unit:km/h

Model	8F+8R			
Gear	Forward gear	reverse gear		
Low I	2.46	2.15		
Low II	3.56	3.12		
Low II I	4.86	4.26		
Low IV	7.56	6.62		
High I	10.64	9.33		
High II	15.43	13.53		
High III	21.06	18.47		
High IV	32.73	28.69		

Notes:

1. The above table value is the theoretical speed when the engine is 2400 r/min (rpm) and with 12.4-28 standard rear tires:

2. If you choose to install other rear tires, you need to multiply the corresponding coefficient a on the basis of the above table values:

3. The parameters in the technical specification table are the values under the standard configuration.

#### SHANDONG TAVOL MACHINERY CO.,LTD 12F+12R 504-1004 series tractor main technical specifications

						1	r				
	Model	Unit	504	604	704	804	904	1004			
	Туре		4×4	4×4	4×4	4×4	4×4	4×4			
Ca	librated traction	kN	12	11	14	17	13.5	15			
	wer output shaft aximum power	kW	31	37	43	50	43.6	43.6			
	Long (including front ballast )	mm	3910	3910	3910	3910	3910	3910			
	Width( outside of the tire)	mm			,	1720					
Size	High (to the top of the silencer.)	mm			2030(Mu	ffler optional)					
	High (to steering wheel)	mm		1680							
	High (with cab to driver) roof of the driving room)	mm	2720								
	Front Wheel	mm		1350/1450 /1550							
Wh eel Dist	Front wheel adjustment method		4WD non-adjustable								
anc	Rear Wheel	mm	1300, 1400, 1500 (factory 1300)								
е	Rear wheel adjustment method		Stepped adjustable or stepless adjustable								
Axis c	listance	mm	2016	2040	2016	2040	2040	2040			
Gro und Cle	Minimum Ground Clearance	mm			400 (rear	traction plate)					
ara Agronomy Gap mm Four-wheel drive model:370											

Min.	Use of		Two-wheel drive:≤3.6Four-wheel drive:≤4
stee o	one-sided braking	m	
_	lo one-sided braking	m	Two-wheel drive:≤4.0Four-wheel drive:≤4.6

Safety frame or cab type/model						Two-post ty	pe / 904.46.001				
Stru ctur	No cab		ka	1965	2065	2065	2065	1995	2165		
e Qua lity	Wit	th cab	kg	2165	2265	2265	2265	2210	2365		
Min. Use	I. No cab e Il With cab				kg	2140	2270	2270	2270	2170	2340
qual ity			Ng	2340	2440	2440	2440	2370	2540		
Qua	Front Whe	no cab	kg	945	970	970	868	868	936		
lity Diet	el	with cab	Ng	1015	1065	1065	948	948	1016		
Dist ribu	Rear	no cab		1195	1300	1300	1302	1302	1404		
tion	Whe el	with cab	kg	1325	1375	1375	1422	1422	1524		
Ball	Front Ballast		ka				144				
ast	Rear Ballast		kg				60				
Ena	Туре					Direct	connection				
Eng ine		rand					YTO				
	Criminal style				Inli	ne, four-stroke, dire	ect injection, water-c	poled			

Tan		Model		904.50.011	
		Volume	L	40	
k	Desi	gn pressure	kpa	200	
Muff ling		e of muffling mber(L×W)	mm	Φ136×515	
		Weight	kg	6.3	
	С	lutch type		Dry double acting	
Tar	Transmission type/shift side style			4×3× (1+1)Composition type,Engagement set shift	
Tra	Re	Central		Spiral Bevel Gear Sub	
nsm issi	ar	drive			
on	Axl	Differential		Quad planetary gear, closed type	
	е	S			
		Differential		Column pin type	
		Lock			
		Rear Final		Planetary gear type	

		Drive		
	Fro	Drive Shaft		Mid-mounted drive shaft
	nt	Front		Enclosed bevel gear type
		central		
		drive		
		Front		Closed type, two planetary bevel gears
		differential		
		Front final		Spiral Bevel Gear
		drive		
		Rack		Rackless
Mov		Front		Rigid suspension type
ing	Sı	uspension		
Dep				
art		ront Axle		Telescopic casing type
me	· ·			Telescopic casing type
nt				
	Ti			The front wheel is the guide wheel model: 167-186 (field work)/225-245 (transport work), the front wheel is the driving
	re	Front	kpa	wheel model: 118-138 (field work)/167-168

	re pr	Front Wheel	kpa	wheel model: 118-138 (field work)/167-168 176 (Transport operations) 118-138 (field operations) 167-176 (transport operations)						
	es su	Rear Wheel	kpa							
Mov ing	re	Front Wheel		6.0-16	8.3-20	6.0-16	8.3-24			
Dep	Ti	Rear Wheel		1:	2.4-28	12.4-32				
artm ent	re s	Optional front wheel			3.3-20 Idy Tires	8.3-20 Paddy Tires	9.5-24			
	Optional rear wheel		11.4-28 Paddy Tires		11.4-28 Paddy Tires /13.6-28	14.9-30				
	Т	ravel brake system			Two-piece oil bath disc brake					
	Pa	arking brake		Manipulator brake						
	T	railer Brake lanipulation			Ventilated, pneumatic brake					
Ste		Model		Hydraulic front wheel steering						
erin g	St	teering form			Cycloidal rotary valve type fully hydraulic steering gear					
		Туре		Semi-independent						
PTO		pecification / Number of Splines			I type (Φ	35×6 teeth or Φ38×8 teeth)				

					SHANDONO I			,			
		otatior Speec		r/min			540/760 or 54	0/1000			
	Hydraulic system type One			One	Semi-split type						
Wor king		draulio pump	c oil		Gear pump,312-PHL/C	Gear pump,312-PHL/CBJ30-F12HZ,Displacement:12ml/r(ml/rev) CBN-E316,Displacement:16 ml/r(ml/rev)					
	Di	ispens					Slide valve t	vne			
	Cyli		ieter x	mm			95 × 120				
	nde		oke				00 120				
	r	Туре				Single role					
			/pe			Rear	-mounted three-po				
	-		egory			1.001	Class				
	3		stmen		Force ad	iustment positio	on adjustment, ind	ividual control o	f force and positio	n	
Wor	poi		ethod			jaounon, positi					
k	nt		iging	mm		width I Inner su	spension point@1	9 3x441 ower su	spension point@2	2 4×35	
do	link		t size			Coupling hole×width:Upper suspension pointΦ19.3×44Lower suspension pointΦ22.4×35			2.4.00		
Inst	age			kN							
all	uge	Maximum Force					>9.1	9.5	6	13.5	
plac			l0mm				- 0.1	0.0	U	10.0	
е	Safety valve safe Mpa		Mna			17.5-18					
	opening		mpu			17.0 10					
	pressure										
			Devic	e			Simple hydrauli	c output			
	Hydr		Quant		1 pair or 2 pairs (optional)						
	Out	put Specification			M22×1.5						
Pulli			Туре	lioution		Pendulum type (optional)					
ng	Pull	<u> </u>	Hei	mm			344	optionaly			
and	Dev	/ice	ght				044				
towi			gin				U-shaped hook (	ontional)			
ng	Tow	ving de	vice					optional)			
Car	1011	ing ac	, 100								
	Driver'	s seat			Mecha	anical suspensio	on, PVC surface, h	eight, front and	back adjustable		
		Electri					negative hitch sing				
Electr	i   '	syste				v					
cal	Hai	1	lodel				See engine m	anual			
Instru menta	Ele	c Va	oltage				14V				
tion	trici	it	5					75			
Syste	IVIa	-	ower				0.35, 0.5, 0	0.70			
	hine	e									

#### Theoretical speed of tractor Unit:km/h

	12F+12R
Forward gear	reverse gear
2.46	2.15
3.56	3.12
4.86	4.26
7.56	6.62
6.19	5.42
8.98	7.87
12.25	10.74
19.03	16.68
10.64	9.33
15.43	13.53
21.06	18.47
32.73	28.69
	2.46   3.56   4.86   7.56   6.19   8.98   12.25   19.03   10.64   15.43   21.06

Notes:

1. The above table value is the theoretical speed when the engine is 2400 r/min (rpm) and with 12.4-28 standard rear tires:

2. If you choose to install other rear tires, you need to multiply the corresponding coefficient a on the basis of the above table:

With 11-28 water field rear tires, a = 1.04; with 14.9-30 ordinary rear tires, a = 1.123;

3. The parameters in the technical specification table are the values under the standard configuration.

#### SHANDONG TAVOL MACHINERY CO.,LTD 16F+8R 904-1504 Tractor Main Technical Specifications

Model				904	1004	1204	1504	
	i	Туре		four × 4-wheel type				
	Lo	ong (including rear suspe	nsion)	4300	4300	4550	4750	
appear		wide		2350	2280	2300	2300	
ance		To steering whe	el	1950	1950	1950	2040	
Dimen sion		To the top of muffler (o	ptional)		2900 (siler	ncer optional)		
(mm)	hig h	To safety rack top (with	out cab)		2	960		
		To cab roof (with c	ab)		3	000		
		Wheel base (mm)		2200	2200	2475	2475	
Track v	width	front wheel			1650、1750	、1850、1950		
(mm		rear wheel		1620~2020 (ex factory 1620)				
Т	Track ad	djustment mode (front/rea	ar)	Stepless adjustable/stepless adjustable				
Minimu	um grou	ind clearance (ground cle (mm)	earance)	365 (lower end of front drive axle oil plug)400				
		No braking		≤4.8 ≤5.8				
Turning radius		Unilateral brakin	g		<u> </u>	4.3		
Struct	ture	Model with cab	)	3880	3990	3990	4070	
mass	(kg)	Vehicle without c	ab	3730	3645	3645	3645	
Minim	ոստ	Model with cab		4110	4220	4220	4300	
mass	-	Vehicle without c	ab	3860	3970	3970	3970	
			front	1650	1688	1688	1640	
Mas		Model with cab	after	2460	2532	2532	2660	
distribu (kg			front	1550	1588	1588	1588	
(•9)	,	Vehicle without cab	after	2310	2382	2382	2382	
Balla	et	Front Ballast		Maximum 200	Maximum 200	Maximum 200	350 max	
DallaSt		Rear Ballast			490	) max		

Rate	ed traction	force (kN)	23.7/23.7/28/32		
Power	of power t	ake-off (kW)	60.8/63.95/75/87		
	clutch	1	Monolithic, dry, double acting		
Т	ransmissio	on type	four × (2+1) combined, 8 forward gears, 4 reverse gears, 4 when creeper gear is selected × $(2+1)$ × 2, 16 forward gears, 8 reverse gears		
Ge	arbox shifti	ng mode	Both the main and auxiliary gearshifts are gear shifting with straight teeth engaging sleeve		
		Central drive	Spiral bevel gear		
roor ovlo	diffe	rential mechanism	Closed, 4 planet bevel gears		
rear axle	C	Differential lock	Meshing sleeve type		
	F	Rear final drive	Single stage planetary gear type		
	Front	Front central drive	Spiral bevel gear		
Drive train	Front drive axle	Front Differential	Closed, 2 planet bevel gears		
		Front final drive	Single stage planetary gear type		
		Transfer case	Spur gear with gear shifting mechanism		

		fram	ne		Frameless		
		Front	axle		1		
	Front	drive axle tra	Insmission shaft	Mid n	Mid mounted transmission shaft		
		front wheel			166~186		
	Tyre	transport	rear wheel		166~186		
	pressure	Field	front wheel		118~137		
	(kPa)	operatio n	rear wheel		118~137		
	Tyre	f	ront wheel		11.2-24/12.4-24		
	specifica tion	r	ear wheel	14.9-30/*	16.9-34/13.6-38 (paddy wheel)		
	Front	Front w	heel toe in (mm)		1~5		
Travel	wheel alignmen	Front	wheel camber		1°		
steeri ng	t	King	pin inclination	7°30′			
brake			Caster	10°			
syste	Front axle (axle) swing angle			11°			
m		Steering	·	Independent oil circuit, full hydraulic front wheel steering HLCB-D14/16 (right) constant flow overflow pump			
	Steering oil pump Displacement (ml/r)			HLCB-D14/10	sixteen		
	Flow (L/min)			fourteen			
	Catting		,	10.0			
	Setting p	pressure of s	afety valve (MPa)	ten	twelve point five		
	ŀ	Hydraulic ste	ering gear	BZZ1-E100C Full Hydraulic Steering Gear	BZZ1-E160C Full Hydraulic Steering Gear		
	Steer	ring cylinder	diameter (mm)	fifty	fifty-five		
	Stee	ering cylinde	r stroke (mm)		two hundred		
	Max	imum angle	of front wheel		50°		
		Travel b	orake	Hydrostatic, disc type (double plate), manually operated lower pedal			
		Parking	brake	Handle operated, multi friction surface mechanical compaction oil bath type			
Worki ng	Type of	hydraulic su	spension system	Se	mi split type or split type		
devic	S	Suspension of	levice type	Rea	ar three-point suspension		
е	Sus	spension dev	vice category		Category 2		

Adjustment mode	Comprehensive adjustment and floating control of force and position
Type/model of hydraulic oil pump	Gear pump CBT-E325FL/CBN-G325
cylinder diameter × Stroke (mm)	one hundred and ten × one hundred and twenty-eight
Opening pressure of safety valve (MPa)	16±0.5
Maximum lifting force of the system (KN) (610mm behind the suspension point)	16.8/17.7/25/29
Hydraulic output device	Two or three groups of multi way valve outputs
Output flow (L/min)	60
Power take-off type/speed (r/min)	Rear independent 540/1000 (760/1000 optional)
PTO shaft diameter (mm) and tooth profile	$\Phi$ 38, 8-tooth rectangular spline shaft (optional $\Phi$ 35, 6-tooth rectangular spline shaft or $\Phi$ 35, 21 tooth involute spline shaft)
Rotation direction of power take-off shaft	Clockwise (viewed from the rear of the tractor)
Traction device type	Optional tilting drawbar, adjustable drawbar position
Diameter of traction pin (mm)	Φ 30
Height of traction pin (mm)	460
Height of towing hook (mm)	654
Hook pin diameter (mm)	Φ 40

#### SHANDONG TAVOL MACHINERY CO.,LTD 16F+8R 1404-1804 tractor main technical specifications

Model				1404	1504	1604	1804		
Туре				4×4 wheel type					
Long (including rear suspension)		g (including rear suspension) 5050		5050	5050	5050			
			wide	2180	2180	2180	2180		
Shape			steering wheel	1950	1950	1950	1950		
Size			ncer (optional) top		2900 (silen	cer optional)			
(mm)	Hig h	()	o of the safety frame without cab)			960			
		To the top	of the cab (with cab)		30	000			
		Wheelbase	(mm)	2520	2520	2520	2520		
Wheelba	ase	F	Front Wheel		1650, 1688, 1754	, 1790, 1858, 1894			
(mm)	)	F	Rear Wheel		1620	)~2290			
Wheelba	ase adju	istment met	thod (front/rear wheel)		Stepped adjustable	/ stepless adjustable			
Minimu	ım grou	nd clearanc part) (m	ce (ground clearance m)		425 (Lower end of fr	ont drive axle oil plug)			
Radius	of		No braking		≤4.8		≤5.8		
steering circle Single-sided braking		le-sided braking	≤4.3						
Minimu usable m (kg)		Мо	dels with cabs	4650	4800	4800	4800		
Counterv	weig	Fron	t counterweight	440	440				
ht (kg	• <u>-</u>		r counterweight	<u>440</u> <u>440</u> <u>440</u> <u>440</u> <u>440</u> <u>160</u>					
	Rat	ed tractive f	force (kN)	26/28/30/34					
	Power	output shaf	t power (kW)	87.6/93.8/100/112.6					
		Clutch	1	Single piece, dry type, double acting					
	-	Fransmissic	on type	4×(2+1) combination type, 8 forward gears, 4 reverse gears 4×(2+1)×2, 16 forward gears, 8 reverse gears when optional crawl gear is installed					
	Tra	nsmission s	shift mode	Both primary and secondary gears are shifted with a helical gear set					
			Central drive	Spiral Bevel Gear					
Rear A			Differentials	Closed type, 4 planetary bevel gears					
Real A			Vifferential Lock	Engagement sleeve type					
		F	Rear final drive	Single-stage planetary gear type					
		Front	Front central drive			evel Gear			
Drive	lino	drive	Front differential		Closed type, 2 pla	anetary bevel gears			
Diive		axle	Front final drive		* * ·	anetary gear type			
			Splitter box		Straight cylindrical gear	with gearshift mechanisr	m		

Electrical instrumentation system   frame   Type   Six-post, safety cab     Electrical instrumentation system   Electrical system   12V negative latching two-wire system     Headlights   80 headlight assembly (12V,45/40W)     Front turn signal   12V/201W.2pcs     Rear combination light   Display width 10W, steering 21W, braking 21W, reflector (r Rear working light     Muffler   Anechoic chamber size (length × width × thickness) or (diameter × length) (mm)   \$			
Electrical instrumentation system   Battery   6-QW-120/6-QÅ-180,12V,120/180Ah maintenance- 80			
Electrical instrumentation system   Battery   6-QW-120/6-QÅ-180,12V,120/180Ah maintenance- 80			
Instrumentation system   Headingins   80 headinging assembly (12V,49/a0W)     Front turn signal   12V/21W,2pcs     Rear combination light   Display width 10W, steering 21W, braking 21W, reflector (r     Rear combination light   12V/21W,2pcs     Trailer sockets   7-hole trailer socket     Anechoic chamber size (length × width × thickness) or (diameter × length) (mm)   0120×560/0+135×860 (Taiwo-1100, 1104)     Muffler   Anechoic chamber size (length × width × thickness) or (diameter × length) (mm)   0120×560/0+135×8650 (Taiwo-1100, 1104)     Fuel Tank   Design working pressure (kPa)   Long shaft 290 short shaft 140 cavity length 600 (Taiwo Long shaft 290 short shaft 140 cavity length 600 (Taiwo Long shaft 290 short shaft 140 cavity length 600 (Taiwo Long shaft 290 short shaft 140 cavity length 600 (Taiwo Long shaft 290 short shaft 140 cavity length 600 (Taiwo Long shaft 290 short shaft 140 cavity length 600 (Taiwo Long shaft 290 short shaft 140 cavity length 600 (Taiwo Long shaft 290 short shaft 140 cavity length 600 (Taiwo Long shaft 290 short shaft 140 cavity length 600 (Taiwo Long shaft 290 short shaft 140 cavity length 600 (Taiwo Long shaft 290 short shaft 140 cavity length 600 (Taiwo Long shaft 290 short shaft 140 cavity length 600 (Taiwo Long shaft 290 short shaft 140 cavity length 600 (Taiwo Long shaft 290 short shaft 140 cavity length 600 (Taiwo Long shaft 290 short shaft 140 cavity length 600 (Taiwo Long shaft 290 short shaft 140 cavity length 600 (Taiwo Long shaft 290 short shaft 140 cavity length 600 (Taiwo Long shaft 290 short shaft 140 cavity length 600 (Taiwo Long shaft 290 short shaft 140 cavit	free		
Instrumentation system   Front turn signal   12//21W/2pcs     Rear combination light   Display width 10W, steering 21W, traking 21W, reflector (r Rear working light   12//50W/2pcs     Muffler   Anechoic chamber size (length × width × thickness) or (diameter × length) (mm)   \$			
Rear working light   12V,50W,2pcs     Trailer sockets   7-hole trailer socket     Muffler   Anechoic chamber size (length × width × thickness) or (diameter × length) (mm)   0120×560/04135×850 (Taiwo-1100, 1104)     Muffler   width × thickness) or (diameter × length) (mm)   0120×560/04135×850 (Taiwo-1100, 1104)     Muffler   weight (kg)   7.68/9.26 (Tevo-1204)/13.6 (1404)     Muffler weight (kg)   7.68/9.26 (Tevo-1204)/13.6 (1404)     Muffler   Design working pressure (kPa)   200     Volume (L)   150   200     Volume (L)   150   14     Engine oil sump (L)   17   14     Oil for hydraulic steering (L)   2.5   25     Oil for hydraulic steering (L)   2.5   25     Oil for hydraulic steering (L)   38   26     Oil for infter (L)   12 (per side)   12     Front drive axle final drive (L)   12 (per side)   151     Il   8.63   2.01     Forward   Il   8.63   2.01     Forward   Il   9.66   2.24     high pragta			
Rear working light   12V,50W,2pcs     Trailer sockets   7-hole trailer socket     Muffler   Anechoic chamber size (length × width × thickness) or (diameter × length) (mm)   0120×560/04135×850 (Taiwo-1100, 1104)     Muffler   width × thickness) or (diameter × length) (mm)   0120×560/04135×850 (Taiwo-1100, 1104)     Muffler   weight (kg)   7.68/9.26 (Tevo-1204)/13.6 (1404)     Muffler   Model   Main fuel tank 800.50.015 Sub fuel tank 800.50.0     Fuel Tank   Design working pressure (kPa)   200     Volume (L)   150   200     Volume (L)   150   14     Engine oil sump (L)   14   14     Oil for hydraulic steering (L)   2.5   2.5     Oil for hydraulic steering (L)   2.5   2.5     Oil for invelawe (L)   38   2.1     Oil for lifter (L)   17   1     Front drive axle final drive (L)   5.1   1     Front drive axle final drive (L)   6.1   1.2 (per side)     Number of gears   8F+4R or 16F+8R (optional crawler gear)   2.61     III   8.63   2.01	ed) each 2		
Muffler   Anechoic chamber size (length × width × thickness) or (diameter × length) (mm) $\Phi 120 \times 560/\Phi 135 \times 850$ (Taiwo-1100, 1104) Long shaft 290 short shaft 140 cavity length 600 (Taiwo Muffler weight (kg)     Fuel Tank   Model   Model   Main fuel tank 800.50.015 Sub fuel tank 800.50.0 Model   Sub fuel tank 800.50.015 Sub fuel tank 800.50.0 Model     Fuel Tank   Design working pressure (kPa)   200     Volume (L)   150     Heat sink (L)   14     Engine oil sump (L)   17     Oil bath air filter (L)   Fill to the specified oil level as required     Oil for hydraulic steering (L)   38     Oil for brake (L)   17     Front drive axle center drive (L)   17     Front drive axle final drive (L)   17     Forward   Ordinary grade   crawling     III   8.63   2.01     IV   2177   5.08     III   11.2   2.61     IV   2177   2.98	· ·		
Muffler   width × thickness) or (diameter × length) (mm)   Long shaft 290 short shaft 140 cavity length 000 (Taiwo Long shaft 290 short shaft 140 cavity length 000 (Taiwo Model     Fuel Tank   Model   Main fuel tank 800.50.015 Sub fuel tank 800.50.0 Model   Main fuel tank 800.50.015 Sub fuel tank 800.50.0     Fuel Tank   Design working pressure (kPa)   200     Volume (L)   150     Heat sink (L)   14     Engine oil sump (L)   17     Oil bath air filter (L)   Fill to the specified oil level as required     Oil for hydraulic steering (L)   2.5     Oil for hydraulic steering (L)   2.5     Oil for brake (L)   0.6     Driveline oil (L)   38     Oil for lifter (L)   17     Front drive axle center drive (L)   6.1     Front drive axle final drive (L)   1.2 (per side)     Number of gears   8F+4R or 16F+8R (optional crawler gear)     Ordinary grade   Candidation     III   8.63   2.01     III   11.2   2.61     III   9.6   2.24     III   9.6 <th2.24< th="">     III</th2.24<>			
Muffler   Width & Hickless) of (dameter A length) (mm)   Long shaft 290 short shaft 140 cavity length 600 (Taiwo Muffler weight (kg)     Muffler weight (kg)   7.68/9.26 (Tevo-1204)/13.6 (1404)     Muffler weight (kg)   7.68/9.26 (Tevo-1204)/13.6 (1404)     Fuel Tank   Design working pressure (kPa)   200     Volume (L)   150   14     Heat sink (L)   14   150     Heat sink (L)   17   17     Oil bath air filter (L)   Fill to the specified oil level as required   01     Oil for hydraulic steering (L)   2.5   0     Oil for hydraulic steering (L)   2.5   0     Oil for hydraulic steering (L)   38   0     Oil for hydraulic steering (L)   38   0     Oil for hydraulic steering (L)   12 (per side)   1     Front drive axle center drive (L)   6.1   1     Front drive axle center drive (L)   12 (per side)   1     Number of gears   8F+4R or 16F+8R (potional crawler gear)   0     Ordinary grade   1   6.49   1.51     III   11.2   2.61   1			
length (mm)   0   7.68/9.26 (Tevo-1204)/13.6 (1404)     Muffler weight (kg)   7.68/9.26 (Tevo-1204)/13.6 (1404)     Fuel Tank   Design working pressure (kPa)   200     Volume (L)   150     Heat sink (L)   14     Engine oil sump (L)   17     Oil bath air filter (L)   Fill to the specified oil level as required     Oil for hydraulic steering (L)   2.5     Oil for hydraulic steering (L)   2.5     Oil for hydraulic steering (L)   38     Oil for lifter (L)   17     Front drive axle center drive (L)   6.1     Front drive axle final drive (L)   1.2 (per side)     Number of gears   0rdinary grade   crawl gear)     Ordinary grade   crawl gear)   0.1     Ill   8.63   2.01     III   11.2 (per side)   2.61     Ivent and and inter (L)   1.51   3.63     Ill   9.6   2.24	-1204A)		
Heat Tank   Model   Main fuel tank 800.50.015 Sub fuel tank 800.50.0     Perfusion capacity   Design working pressure (kPa)   200     Volume (L)   150     Heat sink (L)   14     Engine oil sump (L)   14     Oil bath air filter (L)   Fill to the specified oil level as required     Oil for hydraulic steering (L)   2.5     Oil for brake (L)   0.6     Driveline oil (L)   38     Oil for lifter (L)   17     Front drive axle center drive (L)   6.1     Front drive axle final drive (L)   12 (per side)     Number of gears   8F+4R or 16F+8R (optional crawler gear)     Ordinary grade   crawl ge     III   8.63   2.01     IV   2.177   5.08     IV   21.77   5.08     III   9.6   2.24     III   9.6   2.24	-1204A)		
Fuel Tank   Design working pressure (kPa)   200     Volume (L)   150     Volume (L)   150     Heat sink (L)   14     Engine oil sump (L)   17     Oil bath air filter (L)   Fill to the specified oil level as required     Oil for hydraulic steering (L)   2.5     Oil for brake (L)   0.6     Driveline oil (L)   38     Oil for lifter (L)   17     Front drive axle center drive (L)   6.1     Front drive axle final drive (L)   12 (per side)     Number of gears   8F+4R or 16F+8R (optional crawler gear)     Ordinary grade   Crawl ge     III   8.63   2.01     IV   2.177   5.08     IV   21.77   5.08     II   9.6   2.24     II   9.6   2.24     II   9.6   2.24			
Volume (L)   150     Heat sink (L)   14     Engine oil sump (L)   17     Oil bath air filter (L)   Fill to the specified oil level as required     Oil for hydraulic steering (L)   2.5     Oil for brake (L)   0.6     Driveline oil (L)   38     Oil for lifter (L)   17     Front drive axle center drive (L)   6.1     Front drive axle final drive (L)   6.1     Front drive axle final drive (L)   1.2 (per side)     Number of gears   8F+4R or 16F+8R (optional crawler gear)     Ordinary grade   Crawl ge     III   8.63   2.01     III   11.2   2.61     IV   21.77   5.08     III   9.6   2.24     III   9.6   2.24     III   12.77   2.98	11		
Heat sink (L)   14     Engine oil sump (L)   17     Oil bath air filter (L)   Fill to the specified oil level as required     Oil for hydraulic steering (L)   2.5     Oil for brake (L)   0.6     Driveline oil (L)   38     Oil for lifter (L)   17     Front drive axle center drive (L)   6.1     Front drive axle final drive (L)   1.2 (per side)     Number of gears   8F+4R or 16F+8R (optional crawler gear)     Ordinary grade   Crawler (L)     III   8.63   2.01     IV   21.77   5.08     IV   21.77   5.08     II   9.6   2.24     II   9.6   2.24			
Engine oil sump (L)   17     Oil bath air filter (L)   Fill to the specified oil level as required     Oil for hydraulic steering (L)   2.5     Oil for brake (L)   0.6     Driveline oil (L)   38     Oil for lifter (L)   17     Front drive axle center drive (L)   6.1     Front drive axle final drive (L)   1.2 (per side)     Number of gears   8F+4R or 16F+8R (optional crawler gear)     Ordinary grade   crawl ge     III   8.63   2.01     IV   21.77   5.08     IV   21.77   5.08     II   9.6   2.24     II   9.6   2.24			
Oil bath air filte (L)   Fill to the specified oil level as required     Oil for hydraulic steering (L)   2.5     Oil for brake (L)   0.6     Driveline oil (L)   38     Oil for lifter (L)   17     Front drive axle center drive (L)   6.1     Front drive axle final drive (L)   1.2 (per side)     Ordinary grade     Ordinary grade     Ordinary grade     Image: State of the second of the se			
Oil for hydraulic steering (L)   2.5     Oil for hydraulic steering (L)   0.6     Driveline oil (L)   38     Oil for lifter (L)   17     Front drive axle center drive (L)   6.1     Front drive axle final drive (L)   1.2 (per side)     Ordinary grade     Number of gears     Ordinary grade     II     Number of gears     Ordinary grade     II     Number of gears     Ordinary grade     II     III     Number of gears     Ordinary grade     III     III <td co<="" td=""><td></td></td>	<td></td>		
Perfusion capacity   Oil for brake (L)   0.6     Driveline oil (L)   38     Oil for lifter (L)   17     Front drive axle center drive (L)   6.1     Front drive axle final drive (L)   1.2 (per side)     Ordinary grade     Number of gears   8F+4R or 16F+8R (optional crawler gear)     Ordinary grade   crawl ge     I   6.49     III   8.63     IV   2.01     III   11.2     IV   21.77     5.08   1     II   9.6     II   9.6     II   2.24     II   12.77     2.98			
Driveline oil (L)   38     Oil for lifter (L)   17     Front drive axle center drive (L)   6.1     Front drive axle final drive (L)   1.2 (per side)     Number of gears     Number of gears     Image: Stress of the strest of the stress			
Oil for lifter (L)   17     Front drive axle center drive (L)   6.1     Front drive axle final drive (L)   1.2 (per side)     Number of gears   8F+4R or 16F+8R (optional crawler gear)     Ordinary grade   crawl ge     Image: Second se			
Front drive axle center drive (L)   6.1     Front drive axle final drive (L)   1.2 (per side)     Number of gears   8F+4R or 16F+8R (optional crawler gear)     Ordinary grade   crawl ge     I   6.49     III   8.63     III   11.2 (per side)     IV   2.01     IV   21.77     Solar   5.08     III   9.6     2.24   1     III   12.77			
Front drive axle final drive (L)   1.2 (per side)     Number of gears   8F+4R or 16F+8R (optional crawler gear)     Ordinary grade   crawl ge     Image: Comparison of gears   0rdinary grade     Image: Comparison of gears   1     Image: Comparison of gears			
Number of gears   8F+4R or 16F+8R (optional crawler gear)     Ordinary grade   crawl ge     Ordinary grade   crawl ge     I   6.49   1.51     II   8.63   2.01     III   11.2   2.61     IV   21.77   5.08     II   9.6   2.24     III   12.77   2.98	6.1		
Ordinary grade   crawl ge     Image: Instant Sector			
Iow-grade   I   6.49   1.51     III   8.63   2.01     III   11.2   2.61     IV   21.77   5.08     II   9.6   2.24     III   12.77   2.98			
II   8.63   2.01     Iw-grade   III   11.2   2.61     IV   21.77   5.08     II   9.6   2.24     II   12.77   2.98	ar		
Iow-grade   III   11.2   2.61     IV   21.77   5.08     I   9.6   2.24     high grade   II   12.77   2.98			
Forward   III   III.2   2.61     IV   21.77   5.08     II   9.6   2.24     high grade   II   12.77			
Forward I 9.6 2.24 high grade II 12.77 2.98			
high grade II 9.6 2.24 2.98			
high grade III 16.57 3.87			
0.07			
IV 32.23 7.52			
I 9.88 2.3			
II 13.15 3.07			
reverse gear III 17.05 3.98			
IV 33.16 7.74			
Engine and clutch connection method 20 Direct connection			

		Rack		Rackless			
		Front Axle	e	1			
	Front drive axle transfer shaft			Mid-mounted drive shaft			
	<b>T</b>	Shipping	Front Wheel	180~250			
	Tire pressure		Rear Wheel	170~200			
	(kPa)	Field work	Front Wheel	180~220			
			Rear Wheel	170~200			
	Tire	Fron	t Wheel	12.4-24			
	specifica tion		r Wheel	16.9-34			
Travel	Front		el front beam mm)	1~5			
steeri	wheel	Front wh	neel camber	1°			
ng	alignme	Main Pir	n Inclination	7°30′			
brake syste	nt		n backlash Ingle	10°			
m	Front ax		swing angle	11°			
	Steering form			Independent oil circuit, fully hydraulic front wheel steering			
	Steering oil pump			HLCB-D14/16(right) constant flow overflow pump			
	Displacement (ml/r)			16			
	Flow rate (L/min)			14			
		valve setting (MPa)	,	12.5			
	H	ydraulic ste	ering	BZZ1-E160C fully hydraulic steering gear			
			cylinder (mm)	55			
		g cylinder st		200			
		im front whe		50°			
		Driving Bra	ike	Hydrostatic, disc type (double piece), human operated lower pedal			
	Parking brake			Handle operated, multi-friction surface mechanical compression oil bath type			
			system form	Semi-discrete or discrete			
		uspension		Rear-mounted three-point suspension			
		pension Ca		Category 2			
Worki		justment m		Integrated force level adjustment, floating control			
ng			type/model	Gear Pump CBT-E325FL /CBN-G325			
devic			stroke (mm)	110×128			
e			ng pressure	16±0.5			
	Maximum li	· /	he system (KN)	24.8/26.5/28.3/31.8			
		-		21			

(at 610mm after the suspension point)	
Hydraulic output device	2 or 3 groups of multi-valve outputs
Output flow rate (L/min)	72.6
Power output shaft type/speed (r/min)	Rear independent 760/850 (optional 540/760, 540/1000, 760/1000)
Power output shaft shaft diameter	Φ38, 8-tooth rectangular spline shaft (Φ35, 6-tooth rectangular spline shaft or Φ35, 21-tooth involute
(mm) and tooth shape	spline shaft can be installed as an option)
Power output shaft rotation direction	Clockwise (from the rear of the tractor)
Traction device type	Optional pendulum traction bar, adjustable traction bar position
Traction pin diameter (mm)	Ф30
Traction pin height (mm)	460
Tow hook height (mm)	654
Hook pin diameter (mm)	Ф40

#### 16F+16R 1804-2604 tractor main technical specifications

	Projects	Unit	1804	2004	2204	2404	2604
Туре /			4×4 wheel type				
Calibrated traction kN			35	38	42	46	50
Power output shaft maximum power		kW	112.6	125	137	150	162
Long		mm	5350				
Dime	wide	mm	2200 (single)		2200 (single)	3400 (double)	
nsion -	Up to the steering wheel	mm	2150	2150	2150	2320	2320

ł	High to silencer	mm			3100				
Up to	o the top of the cab	mm	3030	3030	3030	3300	3300		
W	neelbase	mm	2668						
Wheelbase	Front Wheel	mm	1900 fro	om the factory (s	ee chapter 3.1 <sup>°</sup>	1.1 for adjustme	nt range)		
	Front wheel adjustment method	1		Stepped adjustable					
	Rear Wheel	mm	Tv	Single tire model: 23		1750 ex factory) Twin tire m	) lodel: 2800		
	Rear wheel adjustment method	/		djustable (when					
Minimum G	Fround Clearance	/	400 (	bottom of traction	plate)	480 (bottom of	traction plate)		
Minimum	Single-sided braking	m	≤6.2						
turning circle radius	No unilateral braking	m	≤7.0						
Struc	tural quality	kg	5800	60	60	6020 (d 6830 (d	,		
Minimum	useable mass	kg	6440		single) double)	6660 ( 7470 (d	• /		
Quality	Front Wheel	kg	2576		single) double)	2664 ( 2340 (0	single) double)		
distribution	Rear Wheel	kg	3864		single) double)	3996 ( 5130 (d	single) double)		
Ballast	Front Ballast	kg			780				
(Optional)	Rear Ballast	kg		480 (when singlet		ton)			

					CHINEKI CO.,LID				
Eng	ine and clu	tch coupling form	/		Direct Connect				
Cab c	Cab or safety Model		/		Tevo-2604				
fra	ame	Туре	/	Six-post, safety cab					
Fue	l Tank	Model	/		2404.501				
		Clutch	1		Dry, single piece, double	e acting			
Tran	т	ransmission	/	4×4×(1+1)	4×4×(1+1) composition type, synchronizer + engagement set s				
smis		Central drive	/		Spiral Bevel Gear T	уре			
sion	Rear	Differentials	/		Closed type, 4 planetary b				
	Axle	Differential Lock	/		Column pin type				
		Rear final drive	1		Single-stage planetary	y gear			
Tran smis sion	Drive ShaftFrontFront central driveAxleFront differential		   		Mid-mounted drive shaft Spiral Bevel Gear Closed type, 4 planetary bevel gears				
31011		Front final drive	/		Single-stage planetary gear				
		Frame type	/	Rackless					
Walki ng	Tire	Front Wheel	kPa	Field: 118-137 Transportation: 166-186					
syste m	pressure	Rear Wheel	kPa	Field: 118-137 Transportation: 166-186					
	Tire	Front Wheel	kPa	Field: 118-137 Transportation: 166-186					
	pressure	Rear Wheel	kPa		Field: 118-137 Transportation: 166-186				
	Tire	Front/rear wheels	/	14.9-28/18.4 -38	16.9-28/ 18.4-42	16.9-28/ 20.8-38			
	specificat on	i Option: front/rear wheels	1	14.9-28/18.4 -38 (double row)	14.9-28/ 18.4-38	16.9-28/ 18.4-42			
01	Mode		/		Hydraulic front wheel s	teering			
Steer		Steering	/	Cycloidal rotary valve type fully hydraulic steering gear					
ing	Steering	Displacement	ml/r (ml/rev)		16				
syste m	Gear Pumps	Rotation direction	/	With Weichai p	With Weichai power models: left rotation / with Yuchai models: right rota				
Brak e	T	ravel brake	/	C	visc type (single piece), hydrau	lic manipulation			

		51				00.,212		
Syst	Parl	king brake	/	Independent hand brake				
em	Trailer Bra	ke Manipulation	/		Air break, pneumatic brake			
	Hydrauli	c system type	/			Happy, split type	Э	
	Hydraulic	Weichai	ml/r	Displa	cement 32/left-l	nanded		cement t-handed
	oil pump	Yuchai	ml/r	Displac	ement 32/right-	handed		cement handed
	Dispenser		1	•••	·	four-position, s type odels: solenoid	•	
Work ing	Cylinder	Diameter x Stroke	mm		Ф100×185		Ф110	)×185
devic		Туре	/		Strong press	ure split model:	double-action	
е			mm (mm)		er suspension p	nt rear suspensi point, coupling h pint, coupling he	ole×width : Φ3	
			1	Electronical	y controlled lifte	r models: floatin er models: force ntrol, floating co	adjustment, bit	adjustment,
	610mr	l lifting force (at n behind the spension)	kN	≥32	≥35	≥39	≥42	≥46

	System openir	safety		MPa			17.5-1	8		
		Т	уре	1		Rear-mounted multiway valve				
Worki	ng Quantity	1		3 pairs M12×1.5 or NPT1/2						
devic		/								
e				L/min	75	75	75	75	75	
				(l/min)	75	75	75	75	75	
	PTO Specification		уре	1		Rear freestanding				
F			ification	1		Φ35,21-tooth involute spline shaft (Φ35,6-tooth rectangular spline shaft, Φ38,8-tooth rectangular spline shaft and Φ45,20-tooth involute spline shaft are optional)				

		Rotational Speed	r/min (rev/min)	540/1000
		Туре	1	Traction rack (optional swing bar type)
Tractio	on device	Height from the ground	mm (mm)	315
	Towing d	evice	/	U-shaped hook
	Cab		/	Six-post safety cab with heater or air conditioning device
	Safety ra	acks	/	None
	Seat	S	/	Mechanical suspension, PVC surface, adjustable height, front and rear and backrest
	Electri	cal system		24V (volt) or 12V (volt) negative hitch two-wire system
	Generato	Voltage	V	28 or 14
	rs	Power	kW	1.5 or 1.4
	Regulato r	Regulated voltage	V	28 or 14.2
Electri	Otert	Voltage	V	24 or 12
cal instru	Start motor	Power	kW	6 or 4.2
menta	motor	Model	/	6-QW-120
tion	Battery	Voltage	V	24 or 12
syste	Dallery	Capacity	A-h	120 or 240
m	Battery	Quantity	/	2 pieces in series (24 V circuit system) or 2 pieces in parallel (12 V circuit system)
	Lighting	Headlights	1	24V (volt) system, 75/70W (watt) combination type or 12V (volt) system, 60/65W (watt) combination
	and Signals	Front turn signal	/	24V(volt) or 12V,21W(watt),2pcs

	Lighting	Rear combinati on light	1	Rear position light 10W(watt), left and right turn signal 21W(watt), brake light 21W(watt) Reflectors (red) 2 each
Electrical instrumentatio	instrumentatio	Rear working light	1	24V (V) - 70W (W) or 12V (V) - 55W (W), 2 pcs
n system	Device	Trailer sockets	1	7-hole trailer socket, 1pc
		Combinat ion meter	/	With tachometer, water temperature gauge, oil pressure gauge, oil quantity gauge, 1pc

	Monitoring and warning devices	/	Instrument alarm indicator: air filter clogging alarm, brake oil bottle shortage alarm, air pressure alarm (optional for air brake models), hydraulic filter clogging alarm (optional for electro-hydraulic control), battery charging status light, preheat indicator, position indicator, parking brake indicator Signal lights and devices: brake lights, left and right turn signals, front and rear position lights, reflectors, safety warning signs
Perfusion capacity	Heat Sinks	L	28
	Fuel Tank	L	325
	Engine oil sump	L	22
	Brake oil	L	0.8
	Driveline oil	L	110
	Hydraulic oil tank	L	65
	Front drive axle center drive	L	6
	Front drive axle side reduction	L	1.5 per side