

		TCH100		TCH90 <small>NEW</small>				TCH110 <small>NEW</small>			
		Center Drive		Side Drive				Side Drive			
*Power rating	kW	95		85				110			
Max input torque	Nm	850		700				850			
Rated engine speed	rpm	2400		2400				2400			
Maximum input speed	rpm	2530		2640				2640			
Charge pump type		Gear		Gerotor				Gerotor			
Engine flywheel interface		SAE 3		SAE 3				SAE 3			
Output flange type		Yoke 1410		Yoke 1410				Yoke 1480			
Output axis position from engine	Off-set	mm	0	656.5				656.5			
	Drop	mm	350	226.5				226.5			
PTO pump interface		SAE C - 4 bolts		SAE C - 4 bolts				SAE C - 4 bolts			
PTO torque	Nm	350		300				400			
Torque converter size	mm	300		280				300			
Speed gear		4Fwd + 3Rev		4Fwd + 3Rev		6Fwd + 3Rev		4Fwd + 3Rev		6Fwd + 3Rev	
Fwd speed gear ratio	xx:1	1	4.43	3.59	4.31	3.59	4.31	3.59	4.31	3.59	4.31
		2	2.69	1.66	1.99	2.54	3.05	1.66	1.99	2.54	3.05
		3	1.23	0.84	1.01	1.66	1.99	0.84	1.01	1.66	1.99
		4	0.65	0.60	0.71	1.18	1.41	0.60	0.71	1.18	1.41
		5	–	–	–	0.84	1.01	–	–	0.84	1.01
		6	–	–	–	0.60	0.71	–	–	0.60	0.71
Rev speed gear ratio	xx:1	1	4.43	3.60	4.33	3.60	4.33	3.60	4.33	3.60	4.33
		2	2.69	1.67	2.00	1.67	2.00	1.67	2.00	1.67	2.00
		3	1.23	0.84	1.01	0.84	1.01	0.84	1.01	0.84	1.01
4WD ratio	xx:1	1.1:1		1:1		1:1		1:1		1:1	
Shifting control		ECU		Manual		ECU		Manual		ECU	
Reverser		Power reverser		Power reverser		Power reverser		Power reverser		Power reverser	
Gear shifting		Power-Shift		Power-Shift		Power-Shift		Power-Shift		Power-Shift	
Clutches modulations		ECU modulation		Mech-Hydr		ECU modulation		Mech-Hydr		ECU modulation	
MFD connection		Permanent/Disconnect		Permanent		Permanent		Permanent		Permanent	
Parking brake option		Wet SAHR and Manual		None		None		None		None	
Spin-on filter option		Vertical or remote		Vertical		Vertical		Vertical		Vertical	
Electric system voltage	V	12		12		12		12		12	
Rear axle differential lock solenoid		Available		None		None		None		None	
Power brake in/out ports	bar	15 nominal		16 nominal		16 nominal		16 nominal		16 nominal	
Inching		Option		None		Option		None		Option	
TC Lock-Up		Direct Drive Option		None		None		Option		Option	
Speed sensor		Standard		Option		Standard		Option		Standard	
Temperature sensor		Standard		Option		Standard		Option		Standard	
Pressure switch		Standard		Option		Standard		Option		Standard	
Electric harness		Option		None		Option		None		Option	



Center Drive



Side Drive

TRANSMISSIONS – TELESCOPIC HANDLERS

MODEL		TB135	TB138-2	TB172	TB172-2	TB172-2 Speedshift	
Description		Single speed Single Motor Gearbox	Dual speed Single Motor Gearbox	Single speed Single Motor Gearbox	Dual Speed Single Motor Gearbox	Dual Speed Single Motor Gearbox	
Motor Size	cc	up 60	up 80	80-160	80-160	80-160	
Max Input torque	Nm	450	510	1020	1020	1020	
Max Input speed	rpm	6000	5500	5500	5500	5500	
In/Out Centerline distance	mm	135	138.5	172	172	172	
Onput Interfaces		DIN 13010	DIN 100 x 8 holes		DIN 13010/1410	DIN 13010/1410	DIN 13010/1410
				SAE 1410/1480	SAE 1410/1480	SAE 1410/1480	SAE 1410/1480
Reduction ratios		Single Ratio	1 st	2 nd	Single Ratio	1 st	2 nd
		2.3	2.75	1.163	1.196	2.971	1.129
		1.853			1.795	3.515	1.273
		3			2.027	4.286	1.359
					2.469		
					3.148		
Speed Shifting			Electro-Hydraulic Vehicle stopped			Electro-Hydraulic Vehicle stopped	Electro-Hydraulic Vehicle on the go

