

570V

570SV

580V

580SV

590SV

695SV

ENGINE						
Make and Model	S8000 BS-3 Certified- 8045.45.745	S8000 BS-3 Certified- 8045.45.748	FPT NEF - F4GE9484C	FPT NEF - F4HE0484G	FPT NEF - F4HE9484C	FPT NEF - F4HE9484C
Injection system	Direct Injection, Turbo charged Intercooler	Direct Injection, Turbo charged Intercooler	Direct Mechanical	High Pressure Common Rail	High Pressure Common Rail	High Pressure Common Rail
Emissions level	Tier 3	Tier 3	Tier 3	Tier 3	Tier 3	Tier 3
of cylinders	4	4	4	4	4	4
Bore / Stroke	104 mm x 115 mm	104 mm x 115 mm	104 mm x 132 mm	104 mm x 132 mm	104 mm x 132 mm	104 mm x 132 mm
Displacement / Compression ratio	3.9 L	3.9 L	4.5 ltr / 17.5 to 1	4.5 ltr / 17.5 to 1	4.5 ltr / 17.5 to 1	4.5 ltr / 17.5 to 1
Engine Power (ISO 14396) @2200 rpm	-	-	72 KW (97 hp)	72 KW (97 hp)	82 KW (110 hp)	82 KW (110 hp)
Rated Power Gross (ISO 14396)	86 hp (64 kW) @ 2200 rpm	97 hp (72 kW) @ 2200 rpm	-	-	-	-
Rated Power Net (ISO 14396)	83 hp (62 kW) @ 2200 rpm	94 hp (70 kW) @ 2200 rpm	-	-	-	-
Maximum torque (ISO)	394 Nm @ 1300 rpm	420 Nm @ 1300 rpm	420 Nm @ 1250 rpm	453 Nm @ 1400 rpm	516 Nm @ 1400 rpm	516 Nm @ 1400 rpm

14396)						
Engine speeds	2200 rpm (rated speed @ full load)	2200 rpm (rated speed @ full load)	2200 rpm (rated speed at full load) / 950-1000 rpm (low speed at no load)	2200 rpm (rated speed at full load) / 950-1000 rpm (low speed at no load)	2200 rpm (rated speed at full load) / 950-1000 rpm (low speed at no load)	2200 rpm (rated speed at full load) / 950-1000 rpm (low speed at no load)

TRANSMISSION

Type	Manual shift, 4 speed, Fully sync.	Manual shift, 4 speed, Fully sync.	Powershuttle 2WD - 4WD	Powershuttle 4WD / Powershift 4WD	Powershuttle 4WD / Powershift 4WD	Powershift 4WD - 4WS
Model	-	-	Carraro TLB1 MPB 2WD - 4WD	Carraro TLB1 MPB 4WD / Carraro TLB2 MPB 4WD	Carraro TLB1 MPB 4WD / Carraro TLB2 MPB 4WD	Carraro TLB2 MPB 4WS
Model/Make 2WD	Carraro 2WD TLB1	Carraro 2WD TLB1	-	-	-	-
Model/Make 4WD	Carraro 4WD TLB1 16.9- 28, 12 PR Rear Tires	Carraro 4WD TLB1 16.9- 28, 12 PR Rear Tires	-	-	-	-
Forward travel speeds (kph)	6.2 - 10 - 20.7 - 39.2 km	6.2 - 10 - 20.7 - 39.2 km	6 - 10 - 21 - 40	6 - 10 - 21 - 40	6 - 10 - 21 - 40	6 - 10 - 22 - 39
Reverse travel speeds (kph)	7.4 - 12 - 24.8 - N/R** km	7.4 - 12 - 24.8 - N/R* km	7 - 12 - 26 - 47	7 - 12 - 26 - 47*	7 - 12 - 26 - 47*	7 - 12 - 26 - N/A

FRONT AXLE

Model	-	-	2WD / 4WD Heavy duty	4WD Heavy duty	4WD Heavy duty	4WD with limited slip differential
Oscillation	-	-	+/- 11°	+/- 11°	+/- 11°	+/- 8°
Model/Make 2WD	CNH PS 1300	CNH PS 1300	-	-	-	-
Oscillation 2WD	21°	21°	-	-	-	-
Model/Make 4WD	Carraro 26.17 M	Carraro 26.17 M	-	-	-	-
Oscillation 4WD	16°	16°	-	-	-	-
REAR AXLE						
Model	-	-	Carraro 28.44FR with Differential lock	Carraro 28.44FR with Differential lock	Carraro 28.50FR with Differential lock	Carraro 26.43FR with Differential lock
Model/Make	Carraro 28.32 M	Carraro 28.32 M	-	-	-	-
BRAKES						
Service brakes	Hydraulic foot operated, 2 discs per side	Hydraulic foot operated, 2 discs per side	Hydraulic foot operated, 2 discs per side	Hydraulic foot operated, 2 discs per side	Hydraulic foot operated, 2 discs per side	Hydraulic foot operated, 3 discs per side
Parking brakes	Mechanically actuated caliper type brake pack	Mechanically actuated caliper type brake pack	Mechanically actuated wet brake pack on	Mechanically actuated wet brake pack on	Mechanically actuated wet brake pack on	Mechanically actuated wet brake pack on

	on rear axle input shaft	on rear axle input shaft	transmission output shaft	transmission output shaft	transmission output shaft	transmission output shaft
STEERING						
Type	Hydrostatic with integrated top valve	Hydrostatic with integrated top valve	Hydraulic Power Steering	Hydraulic Power Steering	Hydraulic Power Steering	Hydraulic Power Steering
System pressure / Displacement	140 bar / 125 cc	140 bar / 125 cc	180 bar / 160 cc	180 bar / 160 cc	180 bar / 160 cc	180 bar / 160 cc
Turning radius 4WD (external radius) with 18" tires	-	-	4300 mm - brakes off / 3600 mm - brakes on	4300 mm - brakes off / 3600 mm - brakes on	4300 mm - brakes off / 3600 mm - brakes on	8180 mm in 2WS mode - brakes off / 6820 mm in 2WS mode - brakes on / 4810 mm in 4WS mode - brakes off
Turning circle, diameter	2WD - 4WD LH/RH	2WD - 4WD LH/RH	-	-	-	-
with brake (outside wheels)	6 m - 8.0 / 7.5 m	6 m - 8.0 / 7.5 m	-	-	-	-
without brake (outside wheels)	8.4 m - 9.4 / 8.8 m	8.4 m - 9.4 / 8.8 m	-	-	-	-
TIRES						
Front	16" or 18"	16" or 18"	16" (2WD) - 18" or 20" (4WD)	18" or 20"	18" or 20"	24" or 28"

Rear	25" or 28"	25" or 28"	26" or 28" (4WD)	26" or 28" or 30"	26" or 28" or 30"	24" or 28"
HYDRAULIC SYSTEM						
Type	Load sensing, open center hydraulic system w/o unloader	Load sensing, closed center hydraulic system	Load sensing, closed center hydraulic system with twin gear pump	Load sensing, closed center hydraulic system with twin gear pump	Load sensing, closed center hydraulic system with twin gear pump / Load sensing, closed center hydraulic system with variable displacement pump	Load sensing, closed center hydraulic system with twin gear pump / Load sensing, closed center hydraulic system with variable displacement pump
Flow (@ 2200 rpm)	123 l/min	145 l/min	156 l/min	156 l/min / 15 to 165 l/min	167 l/min / 15 to 165 l/min	167 l/min / 15 to 165 l/min
Pressure	205 bar	205 bar	205 bar	205 bar	205 bar	205 bar
SERVICE CAPACITIES						
Engine oil	8.6 l	8.6 l	13.6 l	13.6 l	13.6 l	13.6 l
Transmission oil	20 l	20 l	-	-	-	-
Transmission oil 2WD/4WD	-	-	18.5/20.8 l	20.8 l	20.8 l	20.8 l
Front axle 4WD oil	8.9 l	8.9 l	9.6 l	9.6 l	9.6 l	11.8 l
Rear axle oil	17.1 l	17.1 l	16.3 l	16.3 l	17.8 l	12.3 l

Hydraulic oil	107 l	107 l	132 l	132 l	132 l	132 l
Fuel tank	129 l	129 l	132 l	132 l	132 l	132 l
Coolant	20 l	20 l	24 l	24 l	24 l	24 l
ELECTRICAL SYSTEM						
Voltage	12 V	12 V	12 V	12 V	12 V	12 V
Battery	Single: 130 Ah 720 A	Single: 130 Ah 720 A	Single: 95 Ah 900 A or Double: 60 Ah, 600 A (each)	Single: 95 Ah 900 A or Double: 60 Ah, 600 A (each)	Single: 95 Ah 900 A or Double: 60 Ah, 600 A (each)	Single: 95 Ah 900 A or Double: 60 Ah, 600 A (each)
Alternator	120 A	120 A	120 A	120 A	120 A	120 A
CAB						
Certification	ROPS / FOPS	ROPS / FOPS	ROPS / FOPS	ROPS / FOPS	ROPS / FOPS	ROPS / FOPS
Air Conditioning	Optional	Optional	Optional	Optional	Optional	Optional
Storage compartments capacity	-	-	45 l including: 2 lockable, cooling box	45 l including: 2 lockable, cooling box	45 l including: 2 lockable, cooling box	45 l including: 2 lockable, cooling box
Speedometer	Standard	Standard	Optional	Optional	Optional	Optional
Bluetooth radio	-	-	Optional	Optional	Optional	Optional
NOISE						

Internal (cab)	-	-	77 dB(A)	77 dB(A)	77 dB(A)	77 dB(A)
External	-	-	102 dB(A)	102 dB(A)	102 dB(A)	103 dB(A)