



SAMSON

50.8 | 65.8 | 60.9 | 75.10

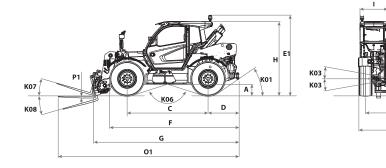


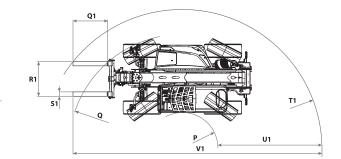
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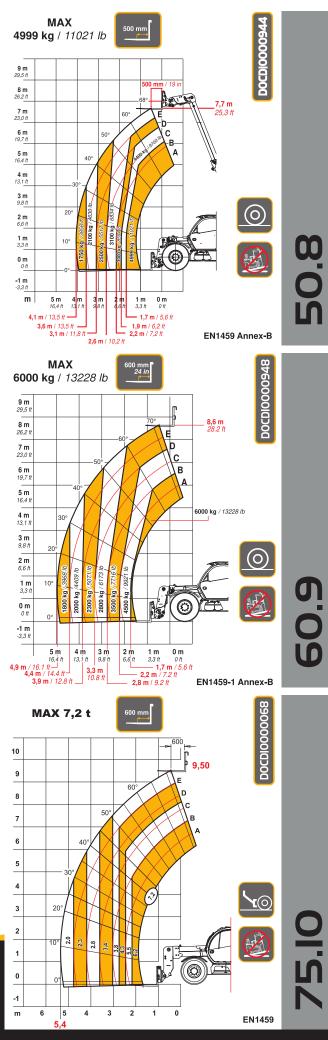
PERFORMANCE				
Vehicle model	SAMSON 50.8 VS EVO2 - GD	SAMSON 65.8 VS EVO2 - GD	SAMSON 60.9 VS EVO2 - GD	SAMSON 75.10 - GD
Maximum capacity	5000 kg (11023 lb)	6500 kg (14330 lb)	6000 kg (13228 lb)	7500 kg (16535 lb)
Maximum lifting height	7.7 m (25.3 ft)	7.7 m (25.3 ft)	8.6 m (28.2 ft)	9.65 m (31.7 ft)
Maximum horizontal extension	4.2 m (13.8 ft)	4.2 m (13.8 ft)	4.9 m (16.1 ft)	5.4 m (17.7 ft)
Fork swiveling angle	144°	144°	144°	134°
Pull-out force	8900 daN (20008 lbf)	8900 daN (20008 lbf)	8900 daN (20008 lbf)	10600 daN (23830 lbf)
Towing force	8585 daN (19300 lbf)	8585 daN (19300 lbf)	8585 daN (19300 lbf)	8360 daN (18794 lbf)
Maximum climb angle	40%	40%	40%	40%
Unladen mass	10560 kg (23281 lb)	11300 kg (24912 lb)	11500 kg (25353 lb)	12800 kg (28219 lb)
Max speed (referred to wheels with maximum permitted diameter)	40 km/h (24.9 mph)	40 km/h (24.9 mph)	40 km/h (24.9 mph)	40 km/h (24.9 mph)
воом				
Vehicle model	SAMSON 50.8 VS EVO2 - GD	SAMSON 65.8 VS EVO2 - GD	SAMSON 60.9 VS EVO2 - GD	SAMSON 75.10 - GD
Lifting	8.7 s	11.1 s	11.6 s	15.1 s
Descent	6.9 s	10.4 s	10.9 s	9.9 s
Extension	7.3 s	7.3 s	8.4 s	11.4 s
Retraction	4.8 s	4.8 s	5.5 s	5.1 s
Forward swiveling	3.7 s	3.7 s	3.7 s	7.5 s
Reverse swiveling	3.8 s	3.8 s	3.8 s	3.3 s
	5.0.5	510 5	510 5	515 5
ENGINE Vehicle model				SAMSON 75 10 CD
Vehicle model	SAMSON 50.8 VS EVO2 - GD	SAMSON 65.8 VS EVO2 - GD	SAMSON 60.9 VS EVO2 - GD	SAMSON 75.10 - GD
Brand	FPT	FPT	FPT	FPT
Nominal power	125 kW (168 HP)	125 kW (168 HP)	125 kW (168 HP)	103 kW (138 HP)
@rpm	2200 rpm	2200 rpm	2200 rpm	2200 rpm
Peak power	128 kW (172 HP)	128 kW (172 HP)	128 kW (172 HP)	114 kW (153 HP)
@rpm	1900 rpm	1900 rpm	1900 rpm	1800 rpm
Operation	4-stroke	4-stroke	4-stroke	4-stroke
Injection	Electronic, Common Rail	Electronic, Common Rail	Electronic, Common Rail	4-Stroke Electronic Injection, Common Rail
Number and arrangement of cylinders	4, Vertical in line	4, Vertical in line	4, Vertical in line	4, Vertical in line
Displacement	4485 cm ³ (274 in ³)	4485 cm ³ (274 in ³)	4485 cm ³ (274 in ³)	4485 cm ³ (274 in ³)
Consumption	212 g/kWh (348.74 lb/Hp h)	212 g/kWh (348.74 lb/Hp h)	212 g/kWh (348.74 lb/Hp h)	212 g/kWh (348.74 lb/Hp h)
@rpm	2200 rpm	2200 rpm	2200 rpm	2200 rpm
Emission standard	Stage V	Stage V	Stage V	Stage V
Exhaust gas treatment	DOC+SCRoF (with AdBlue)	DOC+SCRoF (with AdBlue)	DOC+SCRoF (with AdBlue)	DOC+SCRoF (with AdBlue)
Cooling system	Liquid	Liquid	Liquid	Liquid
Intake	16-valve turbocharger with aftercooler	16-valve turbocharger with aftercooler	16-valve turbocharger with aftercooler	16-valve turbocharger with aftercooler
DIFFERENTIAL AXLES				
Vehicle model	SAMSON 50.8 VS EVO2 - GD	SAMSON 65.8 VS EVO2 - GD	SAMSON 60.9 VS EVO2 - GD	SAMSON 75.10 - GD
Type of axles	2 steering, with 4 epicycloidal	2 steering, with 4 epicycloidal	2 steering, with 4 epicycloidal	2 steering, with 4 epicycloidal
Type of units	reduction gears. Limited slip 45% on both axles	reduction gears. Limited slip 45% on both axles	reduction gears. Limited slip 45% on both axles	reduction gears
Type of steering	4 wheels / transversal / 2 wheels	4 wheels / transversal / 2 wheels	4 wheels / transversal / 2 wheels	4 wheels / transversal / 2 wheels
FRONT AXLE	Rigid (Levelling upon request)	Rigid (Levelling upon request)	Rigid (Levelling upon request)	With +/- 7° transverse leveling device
Rear axle	Swinging	Swinging	Swinging	Swinging
Service braking	Oil bath with servo brake on front and rear axle with double hydraulic system	Oil bath with servo brake on front and rear axle with double hydraulic system	Oil bath with servo brake on front and rear axle with double hydraulic system	Oil bath with servo brake on front and rear axle with double hydraulic system
Parking braking	Negative actuation with electronic control	Negative actuation with electronic control	Negative actuation with electronic control	Negative actuation with electrical control
HYDRAULIC SYSTEM				
Vehicle model	SAMSON 50.8 VS EVO2 - GD	SAMSON 65.8 VS EVO2 - GD	SAMSON 60.9 VS EVO2 - GD	SAMSON 75.10 - GD
Hydraulic pump type	Piston pump with variable flow rate for power steering and movements. Gear pumps for Fan Drive with fan reversal.	Piston pump with variable flow rate for power steering and movements. Gear pumps for Fan Drive with fan reversal.	Piston pump with variable flow rate for power steering and movements. Gear pumps for Fan Drive with fan reversal.	Gear pump for power steering and movements. Gear pump for Fan Drive.
Hydraulic pump capacity	247 l/min (65.3 gal/min)	247 l/min (65.3 gal/min)	247 l/min (65.3 gal/min)	160 l/min (42.3 gal/min)
Max. operating pressure	26 MPa (3771 psi)	26 MPa (3771 psi)	26 MPa (3771 psi)	26 MPa (3771 psi)
Distributor control	4 in 1 proportional electrical Joystick with FNR	4 in 1 proportional electrical Joystick with FNR	4 in 1 proportional electrical Joystick with FNR	Proportional 4 in 1 Joystick with FNR
REFUELING				
Vehicle model	SAMSON 50.8 VS EVO2 - GD	SAMSON 65.8 VS EVO2 - GD	SAMSON 60.9 VS EVO2 - GD	SAMSON 75.10 - GD
Hydraulic system (total)	200 l (52,83 gal)	200 I (52,83 gal)	200 l (52,83 gal)	210 l (55,48 gal)
FUEL TANK	125 l (33,02 gal)	125 I (33,02 gal)	125 I (33,02 gal)	125 l (33,02 gal)
AdBlue tank	27 l (7,13 gal)	27 I (7,13 gal)	27 l (7,13 gal)	27 l (7,13 gal)
	2, 1 (7,15 gui)	2/ 1 (/,15 gul)	27 I (7,15 gal)	27 I (7,13 gui)

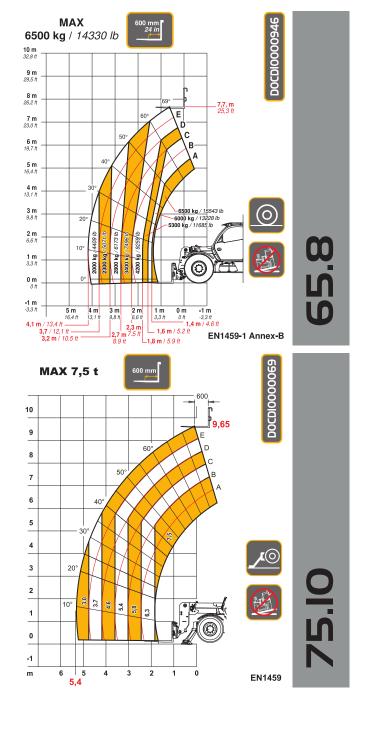
Whick sharp instructionMAXON 93.04 S VE VO2-00MAXON 73.01 - 60MAXON 73.01 - 60Transmission ype instructionHightoxic Virki System VO2 instruction Syste	TRANSMISSION				
and continuous sutomatia digiserial invituous sutomatia digise		SAMSON 50.8 VS EVO2 - GD	SAMSON 65.8 VS EVO2 - GD	SAMSON 60.9 VS EVO2 - GD	SAMSON 75.10 - GD
indivaluewithwelce incodewith welce incodewith welce incodeInciningWith welce incode i	Transmission type	electronically controlled with 2 hydrostatic motors with	electronically controlled with 2 hydrostatic motors with	electronically controlled with 2 hydrostatic motors with	
normalforward movementforward movementforward movementforward movementNation Strep SchwardAutomotive, Eco, Loader, CreepAutomotive, Eco, Loader, Eco, Loader, Eco, Loader, Eco, Loader, Eco, Loader, Eco, L	Reversal	•	•		Electro-Hydraulic
TOWING CAPACITY SAMSON 50.80 SP VO2 - GD SAMSON 65.80 SP VO2 - GD SAMSON 65.80 SP VO2 - GD SAMSON 75.10 - GD Unbraked trailer 3500 kg (7716 lb) 3500 kg (7716 lb) 3500 kg (7737 lb) 3000 kg (7737 lb) Inerta braking 4000 kg (17337 lb) 8000 kg (17337 lb) 8000 kg (17337 lb) 3000 kg (44092 lb) Hydraulic/pneumatic braking 20000 kg (44092 lb) 20000 kg (44092 lb) 20000 kg (44092 lb) THES Vehicle model SAMSON 50.80 S EVO2 - GD SAMSON 60.90 S EVO2 - GD SAMSON 60.90 S EVO2 - GD Standard tries 18-22.5" 18-22.5" 18-22.5" 18-22.5" DMENSIONS Vehicle model SAMSON 50.80 S EVO2 - GD SAMSON 60.90 S EVO2 - GD SAMSON 75.10 - GD A 400 mm (15.7 in) 400 mm (15.7 in) 400 mm (15.7 in) 390 mm (15.4 in) C 2800 mm (110.2 in) 2800 mm (110.2 in) 290 mm (116.4 in) C 2800 mm (110.2 in) 2800 mm (110.2 in) 290 mm (15.4 in) G 2030 mm (175.7 in) 400 mm (15.7 in) 390 mm (15.4 in) G 2000 mm (110.2 in) 2800 mm (110.2 in) 29	Inching	•	•		
Vehica modelSAMSON 90.8 FNO2-GOSAMSON 95.8 FNO2-GOSAMSON 75,10-GOUnbraked trailer3600 kg (7737 lb)3600 kg (7737 lb)3600 kg (7457 lb)Instria braking0000 kg (7457 lb)8000 kg (7737 lb)8000 kg (737 lb)Hydraulic/pneumatic braking20000 kg (44092 lb)20000 kg (44092 lb)20000 kg (44092 lb)THESSAMSON 50.8 VS FNO2-GOSAMSON 65.8 VS FNO2-GDSAMSON 60.9 VS FNO2-GDSAMSON 50.0 VS FNO2-GDShandar dires18-22.5"18-22.5"18-22.5"18-22.5"PhilemodelA00 mm (15.7 m)400 mm (15.7 m)300 mm (15.4 m)C2000 mm (10.2 m)2000 mm (10.2 m)2000 mm (10.2 m)300 mm (15.4 m)C200 mm (10.2 m)200 mm (10.2 m)200 mm (10.2 m)300 mm (15.4 m)C200 mm (10.2 m)200 mm (10.2 m)200 mm (10.2 m)300 mm (15.4 m)C200 mm (10.2 m)200 mm (10.2 m)200 mm (10.2 m)300 mm (15.4 m)C200 mm (10.2 m)200 mm (10.2 m)200 mm (10.2 m)300 mm (15.4 m)C200 mm (10.2 m)200 mm (10.2 m)200 mm (10.2 m)300 mm (15.4 m)C200 mm (10.2 m)200 mm (10.2 m)200 mm (15.4 m)200 mm (15.4 m)C200 mm (10.2 m)200 mm (10.2 m)200 mm (15.4 m)200 mm (15.4 m)C200 mm (10.2 m)200 mm (10.2 m)200 mm (13.4 m)200 mm (15.4 m)C200 mm (10.2 m)200 mm (10.2 m)200 mm (13.4 m)200 mm (13.4 m)C200 mm (17.4 m)244 mm (17.4 m)245 mm (00.2	Drive mode	Automotive, Eco, Loader, Creeper	Automotive, Eco, Loader, Creeper	Automotive, Eco, Loader, Creeper	-
Unbraked trailer3600 kg (7716 lb)3600 kg (7756 lb)3600 kg (776 lb)3000 kg (4092 lb)3000 kg (400 lb)3000 kg (4092 lb)3000	TOWING CAPACITY				
Inertia braking8000 kg (17637 lb)8000 kg (17637 lb)8000 kg (17637 lb)9000 kg (44092 lb)Hydraulcypneumatic braking20000 kg (44092 lb)20000 kg (44092 lb)20000 kg (44092 lb)20000 kg (44092 lb)THESSSMSON 50.80 VS EVO2- GDSMSON 65.80 VS EVO2- GDSMSON 65.80 VS EVO2- GDSMSON 65.80 VS EVO2- GDSMSON 50.80 VS	Vehicle model	SAMSON 50.8 VS EVO2 - GD	SAMSON 65.8 VS EVO2 - GD	SAMSON 60.9 VS EVO2 - GD	SAMSON 75.10 - GD
Hydraulic/pneumatic braking20000 kg (44092 lb)20000 kg (44092 lb)20000 kg (44092 lb)20000 kg (44092 lb)THESVehicle modelSAMSON So. NS EVO2-GDSAMSON SEVO2-GDSAMSON SEVO2-GDSAMSON SEVO2-GDSAMSON SEVO2-GDSAMSON SEVO2-GD <th< td=""><td>Unbraked trailer</td><td>3500 kg (7716 lb)</td><td>3500 kg (7716 lb)</td><td>3500 kg (7716 lb)</td><td>3000 kg (6614 lb)</td></th<>	Unbraked trailer	3500 kg (7716 lb)	3500 kg (7716 lb)	3500 kg (7716 lb)	3000 kg (6614 lb)
THES Vehicle model SAMSON 50.8 VS EV02 - GD SAMSON 60.9 VS EV02 - GD SAMSON 60.9 VS EV02 - GD SAMSON 75.0 - GD Standard tires 18-22.5" 18-22.5" 18-22.5" 18-22.5" 18-22.5" DIMENSIONS SAMSON 50.8 VS EV02 - GD SAMSON 60.9 VS EV02 - GD SAMSON 60.9 VS EV02 - GD SAMSON 70.0 CD SAMSON 70.0 CD A 400 mm (15.7 in) 400 mm (15.7 in) 400 mm (15.7 in) 390 mm (15.4 in) C 2800 mm (110.2 in) 2800 mm (110.2 in) 2800 mm (110.2 in) 2900 mm (116.1 in) D 1037 mm (0.08 in) 1037 mm (0.08 in) 1037 mm (0.08 in) 1445 mm (56.5 in) E1 2800 mm (110.2 in) 2800 mm (110.2 in) 2800 mm (110.2 in) 2900 mm (114.2 in) F 4442 mm (174.9 in) 4442 mm (174.9 in) 4442 mm (174.9 in) 4442 mm (174.9 in) 4900 mm (137.8 in) G 373 mm (10.3 in) 960 mm (37.8 in) 960 mm (37.8 in) 900 mm (37.8 in) 900 mm (37.8 in) I 960 mm (37.8 in)	Inertia braking	8000 kg (17637 lb)	8000 kg (17637 lb)	8000 kg (17637 lb)	-
Vehicle modelSAMSON 50.8 VS EVO2-GDSAMSON 65.8 VS EVO2-GDSAMSON 69.9 VS EVO2-GDSAMSON 75.10-GDStandard tires18-22.5"18-22.5"18-22.5"18-22.5"DIMENSIONSVehicle modelSAMSON 65.0 VS EVO2-GDSAMSON 65.0 VS EVO2-GDSAMSON 75.10-GDA400 mm (15.7 in)400 mm (15.7 in)400 mm (15.7 in)390 mm (16.4 in)C2800 mm (10.2 in)2800 mm (10.2 in)2800 mm (10.2 in)2950 mm (16.1 in)D1037 mm (40.8 in)1037 mm (40.8 in)1037 mm (40.8 in)1037 mm (40.8 in)145 mm (56.9 in)E1300 mm (10.2 in)2800 mm (110.2 in)2800 mm (110.2 in)2900 mm (110.2 in)2900 mm (110.2 in)F600 mm (17.2 in)2800 mm (10.2 in)2800 mm (10.2 in)2900 mm (110.2 in)2900 mm (110.2 in)G5023 mm (17.8 in)503 mm (17.8 in)537 mm (21.5 in)501 mm (23.2 in)I960 mm (37.8 in)503 mm (17.8 in)537 mm (21.5 in)564 mm (100.3 in)I960 mm (37.8 in)503 mm (10.2 in)245 mm (100.2 in)640 mm (10.3 in)I960 mm (37.8 in)960 mm (37.8 in)960 mm (37.8 in)960 mm (37.8 in)K03144°144°144°144°144°K04144°144°145°141°K04144°144°145°141°K05139 mm (76.0 in)1390 mm (76.0 in)1390 mm (76.0 in)1390 mm (76.0 in)K04144°144°144°145°145° <td< td=""><td>Hydraulic/pneumatic braking</td><td>20000 kg (44092 lb)</td><td>20000 kg (44092 lb)</td><td>20000 kg (44092 lb)</td><td>20000 kg (44092 lb)</td></td<>	Hydraulic/pneumatic braking	20000 kg (44092 lb)	20000 kg (44092 lb)	20000 kg (44092 lb)	20000 kg (44092 lb)
Vehicle modelSAMSON 50.8 VS EVO2-GDSAMSON 65.8 VS EVO2-GDSAMSON 69.9 VS EVO2-GDSAMSON 75.10-GDStandard tires18-22.5"18-22.5"18-22.5"18-22.5"DIMENSIONSVehicle modelSAMSON 65.0 VS EVO2-GDSAMSON 65.0 VS EVO2-GDSAMSON 75.10-GDA400 mm (15.7 in)400 mm (15.7 in)400 mm (15.7 in)390 mm (16.4 in)C2800 mm (10.2 in)2800 mm (10.2 in)2800 mm (10.2 in)2950 mm (16.1 in)D1037 mm (40.8 in)1037 mm (40.8 in)1037 mm (40.8 in)1037 mm (40.8 in)145 mm (56.9 in)E1300 mm (10.2 in)2800 mm (110.2 in)2800 mm (110.2 in)2900 mm (110.2 in)2900 mm (110.2 in)F600 mm (17.2 in)2800 mm (10.2 in)2800 mm (10.2 in)2900 mm (110.2 in)2900 mm (110.2 in)G5023 mm (17.8 in)503 mm (17.8 in)537 mm (21.5 in)501 mm (23.2 in)I960 mm (37.8 in)503 mm (17.8 in)537 mm (21.5 in)564 mm (100.3 in)I960 mm (37.8 in)503 mm (10.2 in)245 mm (100.2 in)640 mm (10.3 in)I960 mm (37.8 in)960 mm (37.8 in)960 mm (37.8 in)960 mm (37.8 in)K03144°144°144°144°144°K04144°144°145°141°K04144°144°145°141°K05139 mm (76.0 in)1390 mm (76.0 in)1390 mm (76.0 in)1390 mm (76.0 in)K04144°144°144°145°145° <td< td=""><td>TIRES</td><td></td><td></td><td></td><td></td></td<>	TIRES				
Dumentation Data Data Data Data Data DIMENSIONS SAMSON 50.8 VS EVO2- GD SAMSON 65.8 VS EVO2- GD SAMSON 65.8 VS EVO2- GD SAMSON 65.8 VS EVO2- GD SAMSON 75.10 - GD A 400 mm (15.7 in) 400 mm (15.7 in) 400 mm (15.7 in) 390 mm (15.4 in) C 2800 mm (110.2 in) 2800 mm (110.2 in) 2800 mm (110.2 in) 2950 mm (116.1 in) D 133 mm (40.8 in) 1037 mm (40.8 in) 1037 mm (40.8 in) 444 mm (74.9 in) F 4442 mm (174.9 in) 4442 mm (174.9 in) 4442 mm (174.9 in) 4490 mm (195.5 in) G 5023 mm (197.8 in) 523 mm (197.8 in) 523 mm (197.8 in) 960 mm (37.8 in) H 2545 mm (100.2 in) 2454 mm (100.2 in) 2454 mm (100.2 in) 264 mm (102.8 in) K01 37° 37° 37° 25° K03 10° 10° 10° 10° K04 144° 144° 145° 140° K05 131° 131° 13° 13° L 1930 mm (76.0 in)		SAMSON 50.8 VS EVO2 - GD	SAMSON 65.8 VS EVO2 - GD	SAMSON 60.9 VS EVO2 - GD	SAMSON 75.10 - GD
Vehicle model SAMSON 50.8 VS EVO2 - GD SAMSON 60.9 VS EVO2 - GD SAMSON 75.10 - GD A 400 mm (15.7 in) 400 mm (15.7 in) 400 mm (15.7 in) 390 mm (15.4 in) C 2800 mm (10.2 in) 2800 mm (110.2 in) 2800 mm (110.2 in) 2950 mm (116.1 in) D 1037 mm (40.8 in) 1037 mm (40.8 in) 1037 mm (40.8 in) 2900 mm (110.2 in) 2900 mm (110.2 in) E1 2800 mm (110.2 in) 2800 mm (110.2 in) 2800 mm (110.2 in) 2900 mm (114.2 in) F 4442 mm (74.9 in) 4442 mm (74.9 in) 4442 mm (74.9 in) 4900 mm (15.8 in) G 5023 mm (179.8 in) 503 mm (179.8 in) 537 mm (179.8 in) 5910 mm (23.2 r) in) H 5245 mm (100.2 in) 2545 mm (100.2 in) 2545 mm (100.2 in) 2640 mm (13.9 in) K0 37" 37" 37" 25" 5" K03 10° 10° 10° 10° 13" K04 144° 144° 144° 145° 13" K05 131° 13° 13° 13° 13° <td>Standard tires</td> <td>18-22.5"</td> <td>18-22.5"</td> <td>18-22.5"</td> <td>18x22.5"</td>	Standard tires	18-22.5"	18-22.5"	18-22.5"	18x22.5"
Vehicle model SAMSON 50.8 VS EVO2 - GD SAMSON 60.9 VS EVO2 - GD SAMSON 75.10 - GD A 400 mm (15.7 in) 400 mm (15.7 in) 400 mm (15.7 in) 390 mm (15.4 in) C 2800 mm (10.2 in) 2800 mm (110.2 in) 2800 mm (110.2 in) 2950 mm (116.1 in) D 1037 mm (40.8 in) 1037 mm (40.8 in) 1037 mm (40.8 in) 2900 mm (110.2 in) 2900 mm (110.2 in) E1 2800 mm (110.2 in) 2800 mm (110.2 in) 2800 mm (110.2 in) 2900 mm (114.2 in) F 4442 mm (74.9 in) 4442 mm (74.9 in) 4442 mm (74.9 in) 4900 mm (15.8 in) G 5023 mm (179.8 in) 503 mm (179.8 in) 537 mm (179.8 in) 5910 mm (23.2 r) in) H 5245 mm (100.2 in) 2545 mm (100.2 in) 2545 mm (100.2 in) 2640 mm (13.9 in) K0 37" 37" 37" 25" 5" K03 10° 10° 10° 10° 13" K04 144° 144° 144° 145° 13" K05 131° 13° 13° 13° 13° <td>DIMENSIONS</td> <td></td> <td></td> <td></td> <td></td>	DIMENSIONS				
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