

-  ENGLISH
-  FRANÇAIS
-  ESPAÑOL

# 5D-HC Series-T4i

90 - 100 - 110



		5-090D HC		5-100D HC		5-110D HC	
		SYNCHRO SHUTTLE	POWER SHUTTLE	SYNCHRO SHUTTLE	POWER SHUTTLE	SYNCHRO SHUTTLE	POWER SHUTTLE
<b>ENGINE</b>							
PERKINS "TIER4 INTERIM" DIRECT-INJECTION ENGINE		854E-E34TA		854E-E34TA		854E-E34TA	
MAX. POWER (ISO)	HP/KW	85 / 62,5		95 / 70		102 / 75	
RATED SPEED	RPM	2200		2200		2200	
MAX. TORQUE	LB. (NM)	260 (354)		290 (395)		310 (420)	
MAX. TORQUE SPEED	RPM	1400		1400		1400	
BORE/STROKE	IN. (MM)	3,9 / 4,3 (99/110)		3,9 / 4,3 (99/110)		3,9 / 4,3 (99/110)	
DISPLACEMENT / NR. OF CYLINDERS	CU. IN. (CM <sup>3</sup> )	207 (3400) /4 TA		207 (3400) /4 TA		207 (3400) /4 TA	
COMPRESSION RATIO		17:1		17:1		17:1	
WATER COOLING		●		●		●	
AIR FILTER		●		●		●	
FUEL TANK CAPACITY	GAL. (LT)	25,3 (95)		25,3 (95)		25,3 (95)	
<b>CLUTCH</b>							
INDEPENDENT DRY DUAL CLUTCH	IN. (MM)	11		12		12	
MECHANICALLY OPERATED		●		●		●	
MULTI-DISC WET CLUTCH)		●		●		●	
DECLUTCH CONTROL: BUTTON-OPERATED CLUTCH		●		●		●	
<b>TRANSMISSION</b>							
MECH. REV. SHUTTLE + SPEED FOUR: 12FWD+12REV (30 KM/H)		●		●		●	
MECH. REV. SHUTTLE + SPEED FOUR + CREEPER: 16FWD + 16REV (30 KM/H)		○		○		○	
HYDR.REV.SHUTTLE+SPEED FOUR+POWER FOUR 24FWD+12REV (30 KM/H ECO)		●		●		●	
HYDR.REV.SHUTTLE+SPEED FOUR+POWER FOUR +CREEPER 32FWD+16REV (30 KM/H ECO)		○		○		○	
REVERSE POWER SHUTTLE UNDER LOAD		●		●		●	
SHUTTLE MODULATION CONTROL:POTENTIOMETER FOR ADJUSTMENT OF POWER SHUTTLEAGGRESSIVENESS		●		●		●	
REAR ELECTROHYDRAULIC DIFF-LOCKS		●		●		●	
<b>POWER TAKE-OFF</b>							
POWER-ASSISTED MECHANICAL ENGAGEMENT		●		●		●	
OIL-IMMERSED MULTI-DISK		●		●		●	
ELECTROHYDRAULIC ENGAGEMENT		●		●		●	
2 SPEEDS 540/750	RPM	●		●		●	
2 SPEEDS 540/1000	RPM	○		○		○	
1"3/8 (34,9 MM) PTO SHAFT WITH 6 SPLINES		●		●		●	
GROUND SPEED PTO		○		○		○	
<b>4WD FRONT AXLE</b>							
ELECTROHYDRAULIC 4WD ENGAGEMENT		●		●		●	
MAX. STEERING ANGLE		55°		55°		55°	
<b>BRAKES</b>							
HYDROSTATIC CONTROL		●		●		●	
OIL-IMMERSED GRAPHITE-COATED REAR BRAKES, 10 DISCS		●		●		●	
<b>HYDRAULIC POWER LIFT</b>							
DRAFT, POSITION, INTERMIX AND FLOATING CONTROL FUNCTIONS		●		●		●	
MECHANICALLY OPERATED		●		●		●	
ERGONOMIC LIFT SYSTEM		●		●		●	
REAR CONTROL LEVER		○		○		○	
LIFTING CAPACITY WITH 2 AUXILIARY CYLINDERS 50 MM	LB. (KG)	10142 (4610) ●		10142 (4610) ●		10142 (4610) ●	
MAX. OPERATING PRESSURE	PSI (BAR)	2600 (180)		2600 (180)		2600 (180)	
HYDRAULIC FLOW @ REMOTE	GPM (LT/MIN)	14.2 (53.9)		14.2 (53.9)		14.2 (53.9)	
TOTAL HYDRAULIC FLOW	GPM (LT/MIN)	20.5 (77.9)		20.5 (77.9)		20.5 (77.9)	
CAT 2 THREE-POINT LINKAGE		●		●		●	
STD/OPT AUXILIARY VALVES <sup>o</sup>		2/4		2/4		2/4	
JOYSTICK FOR AUXILIARY VALVES		○		○		○	
<b>CAB AND DRIVING SEAT</b>							
"TOTAL VIEW" CAB / AUTO-RADIO FITTING FACILITIES		●		●		●	
AIR-CONDITIONING		○		○		○	
MECHANICALLY SUSPENDED SEAT		●		●		●	
PNEUMATICALLY SUSPENDED SEAT		○		○		○	
ANALOG INSTRUMENTS		●		●		●	
SUSPENDED PLATFORM		○		○		○	
<b>DIMENSIONS AND WEIGHTS (IN RUNNING ORDER)</b>							
FRONT TYRES		9.5R48		9.5R48		9.5R48	
REAR TYRES		9.5R48		9.5R48		9.5R48	
LENGTH (WITH BALLAST)	IN. (MM)	167.5 (4255)		167.5 (4255)		167.5 (4255)	
WHEELBASE 2WD/4WD	IN. (MM)	87.6/87.8 (2225/2230)		87.6/87.8 (2225/2230)		87.6/87.8 (2225/2230)	
GROUND CLEARANCE 4WD	IN. (MM)	25-27 (634-684)		25-27 (634-684)		25-27 (634-684)	
HEIGHT TO ROPS	IN. (MM)	110 (2795)		110 (2795)		110 (2795)	
HEIGHT OVER CAB	IN. (MM)	110.5 (2804)		110.5 (2804)		110.5 (2804)	
MIN. WIDTH	IN. (MM)	79.5 (2020)		79.5 (2020)		79.5 (2020)	
WEIGHT (WITHOUT BALLAST) 4WD (PLAT/CAB)	LB. (KG)	8030/8470 (3650/3850)		8030/8470 (3650/3850)		8030/8470 (3650/3850)	
<b>TRACKS</b>							
FRONT TRACK ADJUSTMENT 4WD	IN. (MM)	59-91 (1507-2307)		59-91 (1507-2307)		59-91 (1507-2307)	
REAR TRACK ADJUSTMENT	IN. (MM)	51-79 (1300-2000)		51-79 (1300-2000)		51-79 (1300-2000)	
<b>OPTIONAL TYRES</b>							
FRONT / REAR 4WD		13.6-38 / 13.6-38		13.6-38 / 13.6-38		13.6-38 / 13.6-38	
FRONT / REAR 4WD		270/95-R44 / 270/95-R44		270/95-R44 / 270/95-R44		270/95-R44 / 270/95-R44	
FRONT / REAR 2WD		7.50-16 / 13.6R38		7.50-16 / 13.6R38		7.50-16 / 13.6R38	
FRONT / REAR 2WD		7.50R20 / 9.5R48		7.50R20 / 9.5R48		7.50R20 / 9.5R48	
FRONT / REAR 2WD		7.50R20 / 380/80R38		7.50R20 / 380/80R38		7.50R20 / 380/80R38	
FRONT / REAR 2WD		9.00-16 / 16.9 R38		9.00-16 / 16.9 R38		9.00-16 / 16.9 R38	
<b>OPTIONAL EQUIPMENT</b>							
N° 7 FRONT WEIGHTS 79.2 LB. (36 KG) EACH		○		○		○	
N° 2 REAR WEIGHTS 132 LB. (60 KG) EACH		○		○		○	
HYDRAULIC TRAILER BRAKES		○		○		○	

Key: ● standard ○ option – not available

All data and illustrations provided in this brochure are for information purposes only and can be changed without notice.

	5-090D HC		5-100D HC		5-110D HC	
	SYNCHRO SHUTTLE	POWER SHUTTLE	SYNCHRO SHUTTLE	POWER SHUTTLE	SYNCHRO SHUTTLE	POWER SHUTTLE
<b>MOTEUR</b>						
PERKINS A INJECTION DIRECTE TIER 4 INTERIM			854E-E34TA	854E-E34TA	854E-E34TA	854E-E34TA
PUISSANCE MAXI ISO	CH/KW		85 / 62,5	95 / 70	102 / 75	102 / 75
RÉGIME NOMINALE	TR/MIN		2200	2200	2200	2200
COUPLE MAXIMUM	NM		354	395	420	420
RÉGIME COUPLE MAXI.	TR/MIN		1400	1400	1400	1400
ALÉSAGE/COURSE	MM		99 / 110	99 / 110	99 / 110	99 / 110
CYLINDREE/NOMBRE DE CYLINDRES	CM³		3400/4 TURBO AFTERCOOLER	3400/4 TURBO AFTERCOOLER	3400/4 TURBO AFTERCOOLER	3400/4 TURBO AFTERCOOLER
RAPPORT DE COMPRESSION			17:1	17:1	17:1	17:1
REFROIDISSEMENT PAR EAU			•	•	•	•
FILTRE A AIR			•	•	•	•
CONTENANCE RESERVOIR A CARBURANT	LT		95	95	95	95
<b>EMBRAYAGE</b>						
INDEPENDANT BIDISQUE A SEC	POUCES		11	12	12	12
COMMANDE MÉCANIQUE			•	•	•	•
MULTIDISQUE A BAIN D'HUILE			•	•	•	•
DE-CLUTCH CONTROL: COMANDE D'EMBRAYAGE PAR BOUTON-POUSOIR			•	•	•	•
<b>TRANSMISSION</b>						
INVERS. MEC. + SPEED FOUR : 12AV + 12RM (30 KM/H)			•	•	•	•
INVERS. MEC. + SPEED FOUR+SUPER-RED : 16AV + 16RM (30 KM/H)			○	○	○	○
INV. HYDR. + SPEED FOUR + POWER FOUR : 24AV+12AR (30KM/H ECO)			•	•	•	•
INV. HYDR. + SPEED FOUR + POWER FOUR + SUPER-RÉD. : 32AV+16AR (30KM/H ECO)			○	○	○	○
REVERSE POWER SHUTTLE: INVERSEUR SOUS CHARGE			•	•	•	•
INVERS. HYDRAUL. AVEC SHUTTLE MODULATION CONTROL : POTENTIOMETRE DE REGLAGE DE L'AGRESSIVITE DE L'INVERSEUR ELECTROHYDR.			•	•	•	•
BLOCAGE DIFFERENTIELS ARRIERE ELECTROHYDRAULIQUE			•	•	•	•
<b>PRISE DE FORCE</b>						
COMMANDE MECANIQUE SERVOASSISTEE			•	•	•	•
MULTIDISQUE A' BAIN D'HUILE HYDRA P.T.O.			•	•	•	•
COMMANDE ELECTROHYDRAULIQUE			•	•	•	•
2 VITESSES 540/750 TR/MIN			•	•	•	•
2 VITESSES 540/1000 TR/MIN			○	○	○	○
ARBRE PDF 1" 3/8 (34,9 MM) A 6 CANNELURES			•	•	•	•
SYNCHRONISEE A LA BOÎTE DE VITESSE			○	○	○	○
<b>ESSIEU AVANT 4RM</b>						
ENCLENCHEMENT ELECTROHYDRAULIQUE 4RM			•	•	•	•
ANGLE MAXI. DE BRAQUAGE			55°	55°	55°	55°
<b>FREINS</b>						
COMMANDE HYDROSTATIQUE			•	•	•	•
ARRIERE A BAIN D'HUILE EN GRAPHITE 10 DISQUES			•	•	•	•
<b>RELEVAGE HYDRAULIQUE</b>						
FONCTIONS DE CONTROLE D'EFFORT, POSITION, INTERMIX, FLOTTANTE			•	•	•	•
COMMANDE MECANIQUE			•	•	•	•
E.L.S. (ERGONOMIC LIFT SYSTEM)			•	•	•	•
LEVIER DE CONTROLE ARRIERE			○	○	○	○
CAPACITE DE RELEVAGE AVEC 2 CYLINDRES AUXILIAIRES 50 MM	KG		4610	4610	4610	4610
PRESSION DE TRAVAIL MAXI.	BAR		180	180	180	180
DEBIT POMPES HYDRAULIQUES (RELEVAGE + DIRECTION)	L/MIN		53,9 + 24	53,9 + 24	53,9 + 24	53,9 + 24
ATTELAGE A TROIS POINTS 2 <sup>ME</sup> CATEGORIE			•	•	•	•
DISTRIBUTEURS AUXILIAIRES N° STD / OPT			2/4	2/4	2/4	2/4
DISTRIBUTEURS AUXILIAIRES + JOYSTICK N° OPT			2	2	2	2
<b>CABINE ET POSTE DE CONDUITE</b>						
CABINE "TOTAL VIEW" / PREDIS. AUTORADIO			•	•	•	•
AIR CONDITIONNE			○	○	○	○
SIEGE MECANIQUE			•	•	•	•
SIEGE PNEUMATIQUE			○	○	○	○
TABEAU DE BORD ANALOGIQUE			•	•	•	•
PLATE-FORME SUSPENDUE			○	○	○	○
<b>DIMENSIONS ET POIDS (EN ORDRE DE MARCHÉ)</b>						
PNEUS AVANT			9.5R48	9.5R48	9.5R48	9.5R48
PNEUS ARRIERE			9.5R48	9.5R48	9.5R48	9.5R48
LONGUEUR (AVEC MASSES DE LESTAGE)	MM		4255	4255	4255	4255
EMPATTEMENT 2RM/4RM	MM		2255/2230	2255/2230	2255/2230	2255/2230
GARDE AU SOL 4RM	MM		634-684	634-684	634-684	634-684
HAUTEUR A L'ARCEAU DE SECURITE	MM		2795	2795	2795	2795
HAUTEUR A LA CABINE	MM		2804	2804	2804	2804
LARGEUR MINIMUM	MM		2020	2020	2020	2020
POIDS (SANS LESTAGE) 4RM (PLATE-FORME/CABINE)	KG		3650/3850	3650/3850	3650/3850	3650/3850
<b>VOIES</b>						
REGLAGE VOIES AVANT 4RM	MM		1507-2307	1507-2307	1507-2307	1507-2307
REGLAGE VOIES ARRIERE	MM		1300-2000	1300-2000	1300-2000	1300-2000
<b>PNEUS EN OPTION</b>						
AVANT / ARRIERE 4RM			13.6-38/13.6-38	13.6-38/13.6-38	13.6-38/13.6-38	13.6-38/13.6-38
AVANT / ARRIERE 4RM			270/95-R44 / 270/95-R44	270/95-R44 / 270/95-R44	270/95-R44 / 270/95-R44	270/95-R44 / 270/95-R44
AVANT / ARRIERE 2RM			7.50-16 / 13.6R38	7.50-16 / 13.6R38	7.50-16 / 13.6R38	7.50-16 / 13.6R38
AVANT / ARRIERE 2RM			7.50R20 / 9.5R48	7.50R20 / 9.5R48	7.50R20 / 9.5R48	7.50R20 / 9.5R48
AVANT / ARRIERE 2RM			7.50R20 / 380/80R38	7.50R20 / 380/80R38	7.50R20 / 380/80R38	7.50R20 / 380/80R38
AVANT / ARRIERE 2RM			9.00-16 / 16.9 R38	9.00-16 / 16.9 R38	9.00-16 / 16.9 R38	9.00-16 / 16.9 R38
<b>EQUIPEMENTS EN OPTION</b>						
7 MASSES DE LESTAGE AVANT DE 36 KG/UNITAIRE			○	○	○	○
2 MASSES DE LESTAGE ARRIERE DE 60 KG/UNITAIRE			○	○	○	○
FREINAGE HYDRAULIQUE DE LA REMORQUE			○	○	○	○

Légende: • de série ○ option – non disponible

		5-090D HC		5-100D HC		5-110D HC	
		Syncho Shuttle	Power Shuttle	Syncho Shuttle	Power Shuttle	Syncho Shuttle	Power Shuttle
<b>MOTOR</b>							
PERKINS DE INYECCIÓN DIRECTA TIER 3		854E-E34TA		854E-E34TA		854E-E34TA	
POTENCIA MÁX. (ISO)	CV/KW	85 / 62,5		95 / 70		102 / 75	
REGIMEN NOMINAL	RPM	2200		2200		2200	
PAR MÁXIMO	NM	354		395		420	
REGIMEN DE PAR MAXIMO	RPM	1400		1400		1400	
DIAMETRO INT. CILINDRO/CARRERA	MM	99 / 110		99 / 110		99 / 110	
CILINDRADA / N° CILINDROS	CM³	3400/4 TA		3400/4 TA		3400/4 TA	
RELACIÓN DE COMPRESIÓN		17:1		17:1		17:1	
REFRIGERACIÓN POR AGUA		●		●		●	
FILTRO DE AIRE EN SECO		●		●		●	
CAPACIDAD DEPÓSITO	LT	95		95		95	
<b>EMBRAGUE</b>							
INDEPENDIENTE BIDISCO EN SECO	PULG.	11		12		12	
MANDO MECÁNICO		●		●		●	
MULTIDISCO EN BAÑO DE ACEITE		●		●		●	
DE-CLUTCH CONTROL: MANDO DE EMBRAGUE POR BOTÓN		●		●		●	
<b>TRANSMISIÓN</b>							
INVERS. MEC. + SPEED FOUR: 12AD + 12MA (30 KM/H)		●		●		●	
INVERS. MEC. + SPEED FOUR + SUPERREDUCTOR: 16AD + 16MA (30 KM/H)		○		○		○	
INVERS. HIDR. + SPEED FOUR + POWER FOUR: 24AD + 12MA (30 KM/H ECO)		●		●		●	
INVERS. HIDR. + SPEED FOUR + POWER FOUR + SUPERREDUCTOR 32AD + 16MA (30 KM/H ECO)		○		○		○	
REVERSE POWER SHUTTLE: INVERSOR BAJO CARGA		●		●		●	
SHUTTLE MODULATION CONTROL: POTENCIÓMETRO DE REGULACIÓN DE LA AGRESIVIDAD DEL INVERSOR		●		●		●	
BLOC. DIFERENCIAL ELETROIDRAULICO TRASERO		●		●		●	
<b>TOMA DE FUERZA</b>							
MANDO MECÁNICO SERVOASISTIDO		●		●		●	
HYDRA-PTO, MULTIDISCO EN BAÑO DE ACEITE		●		●		●	
CONEXIÓN ELECTROHIDRÁULICA		●		●		●	
2 VELOCIDADES 540/750 RPM		●		●		●	
2 VELOCIDADES 540/1000 RPM		○		○		○	
EJE TDF 1" 3/8 (34,9MM) DE 6 ESTRÍAS		●		●		●	
SINCRONIZADA CON EL CAMBIO DE VELOCIDAD		○		○		○	
<b>PUENTE DELANTERO 4RM</b>							
CONEXIÓN ELECTROHIDRÁULICA 4RM		●		●		●	
ÁNGULO MÁXIMO DE GIRO		55°		55°		55°	
<b>FRENOS</b>							
MANDO HIDROSTÁTICO		●		●		●	
TRASEROS EN BAÑO DE ACEITE, REVEST. GRAFITO, 10 DISCOS		●		●		●	
<b>ELEVADOR HIDRÁULICO</b>							
CONTROL ESFUERZO, POSICIÓN, INTERMIX, POSICIÓN FLOTANTE		●		●		●	
MECÁNICO		●		●		●	
SISTEMA E.L.S. (ERGONOMIC LIFT SYSTEM)		●		●		●	
MANDO TRASERO DE ELEVADOR POR PALANCA		○		○		○	
CAPACIDAD DE ELEVACIÓN CON 2 CIL. AUXIL	KG	4610		4610		4610	
PRESIÓN MAX. DE TRABAJO	BAR	180		180		180	
CAUDAL BOMBAS HIDRÁULICAS	L/MIN	53,9 + 24		53,9 + 24		53,9 + 24	
ENGANCHE POR TRES PUNTOS 2º CAT		●		●		●	
DISTRIBUIDORES AUXILIARES STD/OPC		2/4		2/4		2/4	
<b>CABINA Y PUESTO DE CONDUCCIÓN</b>							
CABINA "TOTAL VIEW" / ADAPTACIÓN AUTORADIO		●		●		●	
AIRE CONDICIONADO		○		○		○	
ASIENTO CON SUSPENSIÓN MECÁNICA		●		●		●	
ASIENTO CON SUSPENSIÓN NEUMÁTICA		○		○		○	
INSTRUMENTOS ANALÓGICOS		●		●		●	
PLATAFORMA AMORTIGUADA SOBRE SILENT-BLOCKS		○		○		○	
<b>DIMENSIONES EN ORDEN DE MARCHA</b>							
NEUMÁTICOS DELANTEROS		9.5R48		9.5R48		9.5R48	
NEUMÁTICOS TRASEROS		9.5R48		9.5R48		9.5R48	
LONGITUD (CON CONTRAPESOS)	MM	4255		4255		4255	
DISTANCIA ENTRE EJES 2RM / 4RM	MM	2255/2230		2255/2230		2255/2230	
DISTANCIA LIBRE HASTA EL SUELO 4RM	MM	634-684		634-684		634-684	
ALTURA AL BASTIDOR DE SEGURIDAD	MM	2795		2795		2795	
ALTURA A LA CABINA	MM	2804		2804		2804	
ANCHO MÍNIMO	MM	2020		2020		2020	
PESO 4RM (SIN CONTRAPESOS) + (PLATAFORMA / CABINA)	KG	3650 / 3850		3650 / 3850		3650 / 3850	
<b>VÍAS</b>							
REGULACIÓN VÍAS DELANTERAS 4RM	MM	1507-2307		1507-2307		1507-2307	
REGULACIÓN VÍAS TRASERAS	MM	1300-2000		1300-2000		1300-2000	
<b>NEUMÁTICOS OPCIONALES</b>							
DELANTEROS / TRASEROS 4RM		13.6-38/13.6-38		13.6-38/13.6-38		13.6-38/13.6-38	
DELANTEROS / TRASEROS 4RM		270/95-R44 / 270/95-R44		270/95-R44 / 270/95-R44		270/95-R44 / 270/95-R44	
DELANTEROS / TRASEROS 4RM		7.50-16 / 13.6R38		7.50-16 / 13.6R38		7.50-16 / 13.6R38	
DELANTEROS / TRASEROS 2RM		7.50R20 / 9.5R48		7.50R20 / 9.5R48		7.50R20 / 9.5R48	
DELANTEROS / TRASEROS 2RM		7.50R20 / 380/80R38		7.50R20 / 380/80R38		7.50R20 / 380/80R38	
DELANTEROS / TRASEROS 2RM		9.00-16 / 16.9 R38		9.00-16 / 16.9 R38		9.00-16 / 16.9 R38	
<b>EQUIPAMIENTO OPCIONAL</b>							
7 CONTRAPESOS DELANTEROS DE 36 KG		○		○		○	
2 CONTRAPESOS TRASEROS DE 60 KG		○		○		○	
FRENO HIDRÁULICO DE REMOLQUE		○		○		○	

Leyenda: ● de serie ○ opción – no disponible

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