CASE CONSTRUCTION

CX360B

POWER PERFORMER

Tier III common rail engine combines fuel efficiency and low emissions with increased power. Working with advanced hydraulic control results in significant fuel savings, cutting ownership costs and boosting tonne per litre productivity.
Three working modes match power and speed to every application. Increased digging forces available with advanced Auto mode and Super Power mode. Increased digging forces, rapid slew speeds and high swing torque result in faster cycle times and increased profitability.
High Output. Reduced Cost.

OPERATOR SECURITY

New Case cab structure is three times stronger, yet has increased glass area and reduced profile pillars for improved visibility all round, increasing safety for the operator and the job site. Single window to the operator's right offers excellent view to the tracks and across the machine. Easy to read operating console and shorter joysticks with increased controllability reduce operator fatigue and boost productivity. Hose burst control valves are standard on boom and dipper cylinders, to further increase safety on the machine.
Improved Visibility. Maximum Safety.

MODERN DESIGN

Variable pump torque control works with advanced engine throttle and hydraulic mode selection system to boost productivity with reduced operator effort. Exhaust gas recirculation (EGR) helps the engine to meet Tier III emissions regulations, resulting in lower fuel consumption and improving the environment for all. Structured component layout assists ease of maintenance. Super Fine synthetic filter allows up to 5,000 hour hydraulic oil change intervals, reducing downtime and operating cost. Redesigned boom and dipper arm increase strength and durability, while all electronic components have waterproofed connectors for ultimate reliability.
Environmental Responsibility. Added Durability.

DESIGNED TO WORK

Revised cab design provides additional 60 mm of leg and foot space and the cab benefits from a significant 60 % increase in glazed area, further contributing to the light and spacious feeling for the operator. A reclining seat and air conditioning with multiple vents are standard, allowing any operator to remain comfortable throughout the working day. The temperature controlled cab is mounted on viscous fluid cab mountings to reduce vibration and internal noise levels. With smooth intuitive controls and improved ergonomics, this contributes to increased comfort and reduced operator stress. In-cab storage includes a cold box for drinks, a cup holder, a mobile phone pocket and a large storage compartment behind the operator's seat.

Operator Approval. Increased Productivity.

RELIABLE AND DURABLE

Case excavators have long been known for their inherent durability and the strength of their components. A robust upper structure and revised boom and dipper design with forged brackets offer increased strength and reliability, in line with the higher performance of the CX360B. An outstanding undercarriage design provides high stability for maximum digging performance. EMS bushes further increase durability, reducing ownership costs and boosting working time in arduous operating conditions. A high performance synthetic fibre hydraulic filter protects components, with no need for separate filters when the machine is used with a hydraulic breaker. All electronic harness connectors are waterproofed and the centralised electric system is installed in a clean area behind the cab.

Reduced Downtime. Reliable Performance.

ECONOMIC PRODUCTIVITY

The CX360B benefits from a larger fuel tank with a high flow auto stop refuelling pump as standard. Combined with the Tier III engine's reduced fuel consumption and the highly efficient hydraulic system, this results in longer working periods between refills, boosting productivity. Easy to maintain coolers, mounted side by side, and ground access centralised filter bank reduces service time, keeping your machine working. Extended Maintenance System (EMS) bushes offer 1,000 hour greasing intervals on the majority of pins, reducing downtime, while low friction resin side shims on the boom and dipper pins reduce wear and increase operator comfort through smoother operation. The CX360B uses the same buckets as the previous generation of machines, enabling rapid acceptance into a fleet. Operators can also preset up to 10 auxiliary flow settings, allowing rapid change of attachments for increased versatility.

Lower Operating Cost. Higher Profitability.

ENGINE

Six cylinder Tier III engine features high pressure common rail and is already well prepared for the future move to Euro IV emissions standards. Low speed with high torque design, offering 202 kW and a mighty 1.080 Nm, provides unstressed performance for longevity and reliability. Low engine speed contributes to lower noise output and improvements in fuel consumption and reduced emissions. Large capacity exhaust muffler and large diameter engine cooling fan further reduce engine noise.
Standard fuel cooler helps to reduce fuel consumption, while four valve per cylinder engine design, using advanced exhaust gas recirculation (EGR) reduces gaseous emissions. Auto and one-touch idle speed allows the operator to control the engine for maximum efficiency.

HYDRAULICS

The CX360B shares the powerful Case heritage of excavator design. The machine is equipped with two highly efficient piston type pumps to maximise pressure and flow. These are controlled by a variable control pump torque system that matches engine output to hydraulic demand, ensuring high productivity by rapidly reacting to servo lever movement. High swing torque and increased slew speed result in reduced cycle times in repetitive loading operations. A high performance Super Fine synthetic fibre hydraulic filter ensures a high contamination catch, protecting valuable components and prolonging oil service life to 5,000 hours. When the machine is used with a hydraulic breaker there is now no need for additional filters to be used, cutting operating cost for the customer. Standard hose burst control valves for the lift and dipper cylinders increase safety on site.

CONSOLE, ENGINE THROTTLE

The fully adjustable right hand console includes the machine's advanced engine throttle control, enabling working mode selection. A luminosity sensor in the console display ensures that the graphics remain clear and easy to rear in all light conditions. Operation is made easier thanks to a centralised layout of switches, while the short lever joysticks further improve controllability and reduce operator effort.
The advanced Case hydraulic system allows up to 10 auxiliary hydraulic flow settings to be programmed into the machine's memory, making it possible to use up to 10 different attachments with no manual adjustment to hydraulic circuit necessary. This means that the operator can change from a breaker setting of flow, to a shear without leaving the seat.

OPERATOR'S CAB

The upgraded CXB cab has slim pillars and 60 % more glass, including a single piece window on the right hand side, promoting improved visibility all round the machine Despite this, the cab is three times stronger than previously, thanks to the design of the structure. The main windscreen has a retractable sun visor and can be lifted into the roof space for a clear view of the digging area. Improvements in cab strength, combined with viscous liquid cab mounts, result in best in class low levels of noise and vibration. Longer seat slides, adjustable consoles, up to 60 mm increase in foot space, a fully reclining operator's seat and standard air conditioning with nine outlet vents ensure that the operator stays comfortable and productive throughout the working day. Operator comfort is further enhanced by a clock, a large storage area behind the driver's seat, bottle and can holders, a mobile phone holder and a cool box that uses the air conditioning system to regulate internal temperature.

MAINTENANCE

All engine and hydraulic filters are centralised and remote mounted within a large access panels, allowing ground level maintenance and reducing service time. Case excavators achieve the lowest score in SAE Maintenance score system tests, minimising downtime and reducing operating costs. The larger fuel tank has both a drain cock and a removable service plate, to allow for easy cleaning in the case of fuel contamination. A green engine oil drainer helps reduce environmental impact with no risk of spillage during service. The standard high flow electric refuelling pump is twice as fast as previous models, with an auto stop function to make refilling easier. Centralised greasing systems are available as an option on all Case excavators.

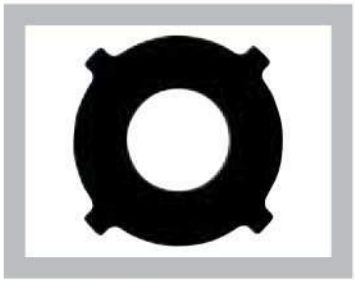
UNDERCARRIAGE

Case undercarriage design has always promised long component life and low operating costs. The CX360B has an outstanding undercarriage for maximum stability, with heat treated drive sprockets for extended operation. The track rollers have a revised profile for lower wear, and the O-ring design prevents the ingress of abrasive material, further extending longevity. Robust track guides and improved track links, with new M-shaped seals and increased pin hardness, further boost durability and reliability.

IMPROVED PIN AND BUSHING LIFE

Low maintenance Extended Maintenance Bushings (EMS) provide 1,000 hour greasing intervals, greatly reducing daily and weekly servicing for the operator. The bucket pins retain a 250 hour greasing interval. EMS bushings are now fitted as standard on all CXB excavators (previously only on machines above the CX330). Anti-friction shims in the boom foot and head reduce noise and cut free play, further increasing the well deserved Case reputation for durability and reliability, reducing ownership and operating costs for the customer.

EMS chrome plated pins with brass bushing



Antifriction shims


CASE
CX360B
CASE


CASE


CX350B
CASE

CX360B SPECIFICATIONS

ENGINE

Model	ISUZU AH-6HK1XYSS (Tier 3)
Type	Water-cooled, 4-cycle, overhead valve, 6-cylinder in line
	Direct injection (Electric Control), turbo-charged with air cooled intercooler diesel engine
Bore × Stroke	115 × 125 mm
Displacment	7.790 L
Rated Horsepower	278 hp(207.3 kw)/ 2000 rpm
Max. Torque	1080 N.m/1500 rpm

HYDRAULIC SYSTEM

Type	CASE PRO CONTROL (PCS™) Full control with computer
Main pump	2 variable displacement axial piston pumps with regulating system
Max.flow	2 × 300 L / min
Max.pressure (Boom/Arm/Bucket)	380 kgf / cm² (37.3 Mpa)
Max.pressure (Swing Circuit)	310 kgf / cm² (30.4 Mpa)
Max.pressure (Travel Circuit)	350 kgf / cm² (34.3 Mpa)
Pilot circuit pressure	40 kgf / cm² (3.9 Mpa)
Cylinder	NO.of cylinders - bore × Rod diameter × Stroke
Boom	2-145 × 100 × 1495 mm
Arm	1-170 × 120 × 1748 mm
Bucket	1-150 × 105 × 1210 mm

SWING DEVICE

Swing drive	With hydraulic
Motor	Fixed displacement axial piston motor
Final drive	Planetary gear reduction
Brake	Mechanical disc brake
Swing max.speed	9.8 rpm

TRAVEL DEVICE

Travel	Hydraulic drive with pilot control
Travel motor	Variable displacement axial piston motor
Final drive	Planetary gear reduction
Brake	Hydraulic service brake
Undercarriage	Reinforced X type
Drawbar pulling force	264 kN
Travel speed (high/low)	5.5/3.5 km / h
Number of carrier rollers (each side)	2
Number of track rollers (each side)	8
Number of shoes (each side)	48
Ground pressure	0.68 kgf / cm² (67 kPa)

SYSTEM FLUID CAPACITIES

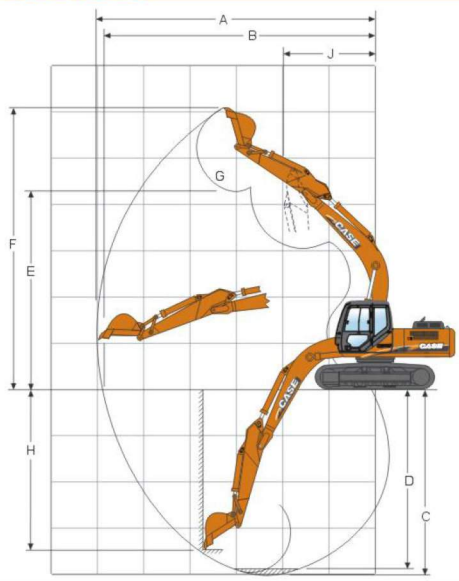
Hydraulic system	350 L
Hydraulic sump tank	175 L
Fuel tank	580 L
Cooling system	30 L
Final drive case (per side)	9.5 L
Swing drive case	7.9 L
Engine crank case (With Remote Oil Filter)	38 L
Operating weight	35,800 kg

With 6450mm boom, 2630mm arm, 600mm grouser shoe, 1.4m³-2.1m³ bucket, operator, lubricant, coolant and full fuel tank

DIMENSIONS

A	Overall height (with attachment)	(mm)	3,500
B	Cab height	(mm)	3,130
C	Overall length (with attachment)	(mm)	11,130
D	Overall length (without attachment)	(mm)	5,910
E	Upper structure overall width	(mm)	3,120
F	Crawler overall length	(mm)	4,980
G	Undercarriage overall width (with 600 mm shoes)	(mm)	3,200
H	Track shoes width	(mm)	600
J	Wheel base (Center to center of wheels)	(mm)	4,040
K	Clearance height under upper structure	(mm)	1,210
L	Minimum ground clearance	(mm)	480
M	Swing (rear end) radius	(mm)	3,450

WORKING RANGES



A	Maximum reach	(mm)	10,670
B	Maximum reach at GRP	(mm)	10,470
C	Max. digging depth	(mm)	6,730
D	Max.digging depth-(2.44m level bottom)	(mm)	6,550
E	Max. dumping height	(mm)	7,140
F	Max. digging height	(mm)	10,320
G	Bucket wrist action		173°
H	Max.vertical digging depth	(mm)	5,970
J	Min. swing radius	(mm)	4,500
Arm digging force		(ISO 6015)	
Arm digging force		(kN)	195
With auto power up		(kN)	211
Bucket digging force		(ISO 6015)	
Bucket digging force		(kN)	228.8
With auto power up		(kN)	248.4

LIFTING CAPACITY CX360B
WITH 6.45 m STANDARD MONOBOOM

Values are expressed in kilos

LC - 2.21 m arm legth, 600 mm shoes, bucket of 1.6 m³ - 1239 kg. Maximum reach 8.63 m

Front / 360°	3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		At max reach		m
7.5 m											8777*	8508	6.33
6.0 m					9383*	9055	8607*	6094			8564*	5847	7.67
4.5 m			13555*	13432	10543*	8481	9056*	5853			7984	4907	8.27
3.0 m			16600*	11924	11933*	7824	9115	5533			7305	4417	8.58
1.5 m			18352*	11017	12494	7291	8791	5242			7079	4223	8.61
0 m			18438*	10745	12145	6989	8580	5052			7264	4296	8.38
-1.5 m	18703*	18703*	17487*	10773	12053	6909	8530	5007			7981	4701	7.85
-3.0 m	19964*	19964*	15532*	11007	11920*	7037					9694	5700	6.96
- 4.5 m			11950*	11510							9752*	8367	5.54
- 6.0 m													

LC - 2.63 m arm legth, 600 mm shoes , bucket of 1.6 m³ - 1239 kg. Maximum reach 9.18 m

7.5 m											8021*	7424	6.86
6.0 m							8066*	6153			6596*	5070	8.28
4.5 m					9943*	8584	8603*	5883			6735*	4327	8.85
3.0 m			15681*	12250	11419*	7911	9133	5543	6724	4033	6553	3927	9.13
1.5 m			17885*	11186	12554	7334	8780	5225	6555	3882	6364	3764	9.17
0 m			18485*	10749	12136	6972	8530	5000			6504	3816	8.95
-1.5 m	15930*	15930*	17892*	10681	11976	6833	8427	4907			7053	4129	8.45
-3.0 m	21906*	21906*	16262*	10843	12048	6895	8518	4989			8301	4871	7.64
- 4.5 m	17240*	17240*	13200*	11246	9849*	7202					9009*	6624	6.37
- 6.0 m													

LC - 3.25 m arm legth, 600 mm shoes , bucket of 1.4 m³ - 1169 kg. Maximum reach 9.67 m

7.5 m							6372*	6372*			6026*	6026*	7.62
6.0 m							7407*	6325			4537*	4537*	8.83
4.5 m					9138*	8845	8039*	6036	6562*	4304	4636*	3977	9.36
3.0 m	13761*	13761*	14412*	12841	10734*	8164	8881*	5677	6813	4122	4902*	3624	9.63
1.5 m	7198*	7198*	17144*	11619	12219*	7539	8893	5329	6608	3933	5371*	3470	9.66
0 m	10610*	10610*	18426*	10971	12282	7102	8595	5061	6448	3786	5973	3496	9.45
-1.5 m	15484*	15484*	18387*	10751	12028	6881	8428	4911			6397	3734	8.99
-3.0 m	21488*	21488*	17249*	10798	11999	6857	8422	4905			7345	4298	8.22
- 4.5 m	20317*	20317*	14834*	11073	11138*	7033					8928*	5547	7.6
- 6.0 m			10201*	10201*							8572*	8572*	5.24

LC - 4.04 m arm legth, 600 mm shoes , bucket of 1.15 m³ - 1046 kg. Maximum reach 10.43 m

7.5 m											4513*	4513*	8.57
6.0 m									5444*	4545	3460*	3460*	9.65
4.5 m							7152*	6176	6683*	4378	3510*	3406	10.1
3.0 m			12401*	12401*	9573*	8401	8076*	5773	6855	4152	3677*	3112	10.4
1.5 m	12183*	12183*	15558*	11976	11256*	7672	8943	5364	6599	3917	3977*	2971	10.4
0 m	11487*	11487*	17603*	11021	12303	7107	8506	5024	6381	3717	4462*	2971	10.2
-1.5 m	14351*	14351*	18274*	10576	11912	6668	8315	4800	6241	3588	5240*	3129	9.79
-3.0 m	18657*	18657*	17793*	10475	11766	6642	8217	4712	6222	3570	6122	3513	9.01
- 4.5 m	23128*	22228	16143*	10630	11847	6712	8302	4788			7448	4313	8.07
- 6.0 m	17821*	17821*	12857*	11055	9412*	7025					8256*	6193	6.54

Tipping capacity 75.0 %.
Asterisk (*) = Hydraulic capacity 87%

LIFTING CAPACITY CX360B
WITH 6.45 m STANDARD MONOBOOM

Values are expressed in kilos

NLC - 2.21 m arm legth, 600 mm shoes, bucket of 1.6 m³ - 1239 kg. Maximum reach 8.63 m

Front / 360°	REACH 3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		At max reach		m
7.5 m											8777*	7812	6.33
6.0 m					9383*	8300	8607*	5569			8564*	5339	7.67
4.5 m			13555*	12184	10543*	7737	9056*	5332			7958	4458	8.27
3.0 m			16600*	10723	11933*	7095	9085	5017			7280	3993	8.58
1.5 m			18352*	9845	12453	6573	8761	4731			7054	3804	8.61
0 m			18438*	9581	12104	6277	8550	4544			7238	3861	8.38
-1.5 m	18703*	18703*	17487*	9609	12012	6199	8500	4499			7953	4226	7.85
-3.0 m	19964*	19964*	15532*	9835	11920*	6324					9661	5132	6.96
- 4.5 m			11950*	10322							9752*	7545	5.54

NLC - 2.63 m arm legth, 600 mm shoes, bucket of 1.6 m³ - 1239 kg. Maximum reach 9.18 m

Front / 360°	REACH 3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		At max reach		m
7.5 m											8021*	6814	6.86
6.0 m							8066*	5626			6596*	4617	8.28
4.5 m					9943*	7837	8603*	5361			6735*	3919	8.85
3.0 m			15681*	11037	11419*	7178	9103	5026	6700	3641	6530	3538	9.13
1.5 m			17885*	10006	12512	6613	8750	4713	6532	3488	6341	3379	9.17
0 m			18485*	9583	12095	6259	8500	4492			6480	3419	8.95
-1.5 m	15930*	15930*	17892*	9517	11935	6123	8396	4400			7027	3701	8.45
-3.0 m	21906*	19836	16262*	9674	12006	6184	8488	4481			8272	4375	7.64
- 4.5 m	17240*	17240*	13200*	10065	9849*	6485					9009*	5969	6.37

NLC - 3.25 m arm legth, 600 mm shoes, bucket of 1.4 m³ - 1169 kg. Maximum reach 9.67 m

Front / 360°	REACH 3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		At max reach		m
7.5 m							6372*	5934			6026*	5756	7.62
6.0 m							7407*	5795			4537*	4191	8.83
4.5 m					9138*	8093	8039*	5511	6562*	3904	4636*	3598	9.36
3.0 m	13761*	13761*	14412*	16611	10704*	7427	8881*	5158	6790	3724	4902*	3203	9.63
1.5 m	7198*	7198*	17144*	10427	12219*	6814	8863	4816	6584	3538	5371*	3112	9.66
0 m	10610*	10610*	18426*	9799	12241	6387	8564	4552	6425	3393	5951	3128	9.45
-1.5 m	15484*	15484*	18387*	9586	11986	6171	8398	4405			6374	3341	8.99
-3.0 m	21488*	19635	17249*	9632	11958	6147	8391	4399			7318	3853	8.22
- 4.5 m	20317*	20200	14834*	9898	11138*	6320					8928*	4991	7.06
- 6.0 m			10201*	10201*							8572*	8287	5.24

NLC - 4.04 m arm legth, 600 mm shoes, bucket of 1.15 m³ - 1046 kg. Maximum reach 10.43 m

Front / 360°	REACH 3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		At max reach		m
7.5 m											4513*	4513*	8.57
6.0 m									5444*	4140	3460*	3460*	9.65
4.5 m							7152*	5647	6683	3975	3510*	3066	10.1
3.0 m			12401*	12197	9573*	7655	8076*	5250	6837	3752	3677*	2784	10.4
1.5 m	12183*	12183*	15588*	10767	11256*	6941	8920	4848	6581	3520	3977*	2646	10.4
0 m	11487*	11487*	17603*	9843	12272	6389	8542	4513	6363	3322	4462*	2969	10.2
-1.5 m	14351*	14351*	18274*	9412	11880	6057	8292	4292	6223	3195	5240*	2778	9.79
-3.0 m	18657*	18657*	17793*	9314	11734	5933	8194	4206	6204	3178	6105	3127	9.01
- 4.5 m	23128*	19345	16143*	9463	11815	6002	8279	4281			7427	3855	8.07
- 6.0 m	17821*	17821*	12857*	9875	9412*	6308					8256*	5566	6.54

Tipping capacity 75.0 %.
Asterisk [*] = Hydraulic capacity 87%


CASE
CASE


CASE


CX360B
CASE

CX360B

STANDARD EQUIPMENT & OPTIONS

STANDARD EQUIPMENT

Engine control
- Common rail engine Tier III European Standards
- Electronic control of the injection system
- Automatic engine pre-heating
- Automatic/manual engine return to idle
- Exhaust Gas Recirculator
- Emergency stop
- Electrical refuel pump with automatic stop
- Fuel filter with water separator

Hydraulic control
- Auto / Heavy / Super Power working modes
- Pump torque variable control
- Automatic Power boost control
- Swing brake control
- High performance "Super Fine" synthetic fiber hydraulic filter (high contamination catch)
- Hydraulic safety valves on boom and dipper
- 2 travel speeds with auto down shifting

Operator environment
- High visibilty cab with safety glass
- Adjustable et retractable armrest console with position memory
- Safety lever
- Self adjusting Air conditioning and heating system
- Cup holder
- High visibility side monitor display with automatic brightness
- Messages (function, temperature, safety, ...) on the display
- Integrated diagnostic system
- Working modes (Auto/Heavy/Super Power) combined with engine throttle
- Anti-theft device
- Hourmeter
- Selectable auxiliary hydraulic flow pre-settings
- RH front console with clock and cell phone holder
- High capacity shock absorbers on cab with 4 points fluid mountings
- Rain deflector
- Windscreen with lockable opening
- Windscreen washer and wiper
- Removable lower front windscreen with storage location in cab
- Glass cab roof window and slidding sun shade
- ISO control pattern low effort & short joysticks
- Adjustable sun visor
- Washable cab floor mat
- Rear view mirror and safety mirrors
- Storage compartments
- Integrated cool box
- 12V and 24V DC accessory sockets
- Hammer / Shear change selected from the cab
- Fore & aft adjustment of the whole seat & console

Electrical system
- Water proof connectors
- Double horn
- 2 working light on the cab
- Working light on the fuel tank
- Working light on the boom

Equipment
- EMS (Extended Maintenance System) pins and bushings as Standard (up to1000 hours lubrication interval for attachment bushings except bucket)
- Low friction resin side shims on boom and dipper
- Sealed and lubricated tracks
- Track guides (1 guide & front)
- Large tool box
- Pre-disposal for the optional cab protection

Operator seat
- Fully adjustable low frequency mechanical suspension seat including double acting hydraulic damper
- Weight adjustment
- Height / fore & aft adjustment
- Adjustable head rest
- Adjustable seat back angle with Fully flat seat reclining
- Adjustable arm rest
- Safety belt

OPTIONS

- Bucket/clamshell hydraulic circuit
- Hammer hydraulic circuit
- Hammer/shear hydraulic circuit
- Additional track guides
- Track width (600mm - 700mm - 800mm - 900mm depending on the version)
- Windscreen prtection
- Cab protection
- GPS (Global Positioning System) by satelite
- Centralized greasing system automatically actuated by an electrical grease pump

Standard and optional equipment shown can vary by country.

Form No. IR13150CGB - Printed in Italy - MediaCross Firenze - 01/13

NOTE: Standard and optional fittings can vary according to the demands and specific regulations of each country. The illustrations may include optional rather than standard fittings - consult your Case dealer. Furthermore, CNH reserves the right to modify machine specifications without incurring any obligation relating to such changes.

CE

Conforms to directive 98/37/CE

www.casece.com

CASE CONSTRUCTION

SYNERGY

Myanmar Synergy Co.,Ltd.
Sales & Service Center

1. No.(175), Mekhayar Minthargyi Maung Pyo Street, Industrial Zone (2), Hlaing Tharyar Township, Yangon, Myanmar.
2. Paung Laung, Nay Pyi Taw.
3. No. (205), Corner Of Phoe Yarzar Street & 55th Street, Industrial Zone (1), Mandalay, Myanmar.
4. No. 011/90, Yuumar, Sai Taung Road, Phar Kant.

Sales Hotline: 09-263617334, 09-2029015