

Gross Power (SAE J1,995)
66.9 HP (49.9 kW) at 2,400 rpm

Net Power (SAE J1,349)
65.0 HP (48.5 kW) at 2,400 rpm

Bucket Capacity
0.25m³

Operating Weight
8,950 kg / 19,730 lb

HX85A

EU Stage V Engine Installed



▲ HYUNDAI CONSTRUCTION EQUIPMENT

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PLEASE CONTACT

WHAT'S NEWEST AND BEST

HX85A

THE BEST PRODUCTIVITY AND FUEL EFFICIENCY

- EU STAGE V Engine **NEW**
- Dozer Float **NEW**
- 2 Pieces Boom **Option**
- Angle Dozer **Option**
- Thumb Bracket **Option**
- Load Sensing System
- Improved Cooling Module
- Improved Fuel Efficiency

EASY CONTROL AND COMFORTABLE OPERATION

- Rear View Camera **Option**
- Pattern Change Valve Switch **Option**
- Smart Key **Option**
- LED Light **Option**
- 2way / 4way option hydraulic **Option**
- Work Mode Selection
- Auto Idle
- Slope Sensor
- New Cabin with Safety and Comfort
- Hydraulic Flow Control from Cluster
- Retractable Seatbelt
- Auto Travel Speed Change

SERVICEABILITY & TELEMATICS

- Hi MATE **Option**
- Centralized Grease Fitting
- Improved Engine & MCV layout
- Mobile Fleet App.



*Photo may include optional equipment.



EU STAGE V CERTIFIED ENGINE

YANMAR 4TNV98C engine is satisfying the most strict environmental emission regulation in the world (Reduction in PM 60%)

EU Stage V Engine **NEW**

Euro Stage V emissions certified YANMAR 4TNV98C engine designed for maximum productivity and fuel efficiency.



Load Sensing System

With new load sensing system, operator work smoother regardless of load size. Fuel consumption also reduced because it delivers exact power needed.

BETTER PRODUCTIVITY

New 2 piece boom and angle dozer option can optimize your productivity, with easy control.

1 2 Pieces Boom **Option**

2 pieces boom option can make operator dig dipper and further without moving equipment.

2 Angle Dozer **Option**

Operator can easily fill trench or remove snow with new angle dozer option.



THE BEST PRODUCTIVITY AND FUEL EFFICIENCY

HX Series is equipped with eco-friendly, high-performance engines that meet the EU Stage V emission requirements.



1 2 Pieces Boom

2 Angle Dozer



EASY CONTROL AND COMFORTABLE OPERATION

Many electronic functions are concentrated in the most convenient spot for operators to improve work efficiency. The highly-advanced infotainment system, a product of HCE's intensive information technology development, enables both productivity and comfort while working! HX Series is designed with the operator in mind.



1 Work Mode Selection

Operator can switch Standard / Power mode by clicking power mode switch.

2 Auto Idle

When machine is in idle, engine rpm automatically drops to save fuel.

3 Rear View Camera Option

Operator can turn on rear view camera with one click, provide better safety.

4 Slope Sensor

You can check slope of the machine.

New Cabin with Safety and Comfort

New HX series cabin with ROPS, FOPS provide you safe place to work.





SERVICEABILITY AND TELEMATICS

IoT / ICT / AI-based digital technology.
Creating a smart construction site. Maximizes connectivity, productivity, and safety for successful businesses.



HiMATE

Option

IT'S CONVENIENT, EASY AND VALUABLE

Hi MATE Hyundai's newly developed remote management system, utilizes GPS-satellite technology to provide customers with the highest level of service and product support available. Hi MATE enables users to remotely evaluate machine performance, access diagnostic information, and verify machine locations at the touch of a button.

WHAT IS BENEFITS



Increase Productivity

It helps you operate machines in efficient. You can check the difference between total engine hours and actual working hours. See how productive your machines are and plan any required cost saving solutions. Hi MATE offers working information such as working / idling hours, fuel consumption and rate.



Convenient and Easy Monitoring

There is nothing much to do to monitor your machines. Just log on to the Hi MATE website or mobile application. Hi MATE allows you to watch your machines whenever and wherever you are.



Security

Protect your machines from theft or unauthorized usage with Hi MATE. If the machine moves out of the Geo-fence boundary, you will get alerts.

*Photos may include optional equipment.

SPECIFICATIONS

ENGINE

| | | | |
|----------------------------|--|--------------------------------|--|
| Maker / Model | YANMAR / 4TNV98C-PHYB | | |
| Type | Water cooled, 4 cycle diesel, 4 cylinder in line, direct injection, low emission | | |
| Rated flywheel horse power | SAE J1995 (gross) | 66.9 HP (49.9 kW) at 2,400 rpm | |
| | J1349 (net) | 65.1 HP (48.5 kW) at 2,400 rpm | |
| DIN | 6271 / 1 (gross) | 67.8 PS (49.9 kW) at 2,400 rpm | |
| | 6271 / 1 (net) | 65.9 PS (48.5 kW) at 2,400 rpm | |
| Max. torque | 235 N-m (173 lbf-ft) at 1,560 rpm | | |
| BorexStroke | 98 x 110 mm (3.86" x 4.33") | | |
| Piston displacement | 3,319 cc (203 cu in) | | |
| Batteries | 1 x 12 V x 100 Ah | | |
| Starting motor | 12 V x 3.0 kW | | |
| Alternator | 12 V x 100 Amp | | |

HYDRAULIC SYSTEM

MAIN PUMP

| | |
|----------------------------|-----------------------------------|
| Type | Variable displacement piston pump |
| Max. flow | 144 l/min |
| Sub-pump for pilot circuit | Gear pump |

Cross-sensing and fuel saving pump system.

HYDRAULIC MOTORS

| | |
|--------|---|
| Travel | Two speed axial piston motor with counter balance valve and parking brake |
| Swing | Axial piston motor with automatic brake |

RELIEF VALVE SETTING

| | |
|--------------------|-----------|
| Implement circuits | 280 bar |
| Travel circuits | 280 bar |
| Swing circuit | 245 bar |
| Pilot circuit | 35 bar |
| Service valve | Installed |

HYDRAULIC CYLINDERS

| | |
|---|--|
| No. of cylinder bore x stroke | Boom : 1-120x865 mm (4.7" x 34") |
| | Arm : 1-100x860 mm (3.9" x 34") |
| | Bucket : 1-90x685 mm (3.5" x 27.0") |
| | Boom swing : 1-110x707 mm (4.3" x 27.8") |
| | Dozer blade (STD) : 1-130x190 mm (4.3" x 5") |
| | Dozer blade (Angle) : 1-140x180 mm (5.5" x 7.1") |
| Angle dozer blade : 1-100x461 mm (3.9" x 18.1") | |
| Adjust cylinder : 2-95x550 mm (3.7" x 21.6") | |

NOISE LEVEL (CAB)

NOSIE LEVELS (DYNAMIC VALVE)

| | |
|-----|-------|
| LwA | 99 dB |
| LpA | 76 dB |

TRAVEL SYSTEM

| | | |
|--------------------------------|------------------------------------|---|
| Drive method | Fully hydrostatic type | |
| Drive motor | Axial piston motor, in-shoe design | |
| Reduction system | Planetary reduction gear | |
| Max. drawbar pull | 6,400 kgf (14,110 lbf) | |
| Max. travel speed (high / low) | Steel track & Road Liner | 4.6 km/hr (2.9 mph) / 2.8 km/hr (1.7 mph) |
| | Rubber track | 5.1 km/hr (3.2 mph) / 3.1 km/hr (1.9 mph) |
| Gradeability | 35°(70%) | |
| Parking brake | Multi wet disc | |

CONTROL

Pilot pressure operated joysticks and pedals with detachable lever provide almost effortless and fatigueless operation.

| | |
|------------------------|---|
| Pilot control | Two joysticks with one safety lever (LH) : Arm swing, Boom swing (RH) : Boom and bucket (ISO) |
| Traveling and steering | Two levers with pedals |
| Engine throttle | Electric, dial type |

SWING SYSTEM

| | |
|---------------------------|--------------------------|
| Swing motor | Axial piston motor |
| Swing reduction | Planetary gear reduction |
| Swing bearing lubrication | Grease-bathed |
| Swing brake | Multi wet disc |
| Swing speed | 9 rpm |

COOLANT & LUBRICANT CAPACITY

| | liter | US gal | UK gal |
|--------------------|-------|--------|--------|
| Fuel tank | 115.0 | 30.4 | 25.3 |
| Engine coolant | 13.0 | 3.4 | 2.8 |
| Engine oil | 10.5 | 2.8 | 2.3 |
| Final drive (each) | 1.1 | 0.3 | 0.24 |
| Hydraulic tank | 56.0 | 14.8 | 12.3 |
| Hydraulic system | 109.0 | 28.8 | 23.9 |

UNDERCARRIAGE

X-leg type center frame is integrally welded with reinforced box-section track frames. The undercarriage includes lubricate rollers, track adjusters with shock absorbing springs and sprockets, and rubber track.

| | | |
|----------------------------------|---------------------|--|
| Center frame | X - leg type | |
| Track frame | Pentagonal box type | |
| No. of cored bal on each side | 75 EA | |
| No. of upper roller on each side | 1 EA | |
| No. of lower roller on each side | 5 EA | |

OPERATING WEIGHT (APPROXIMATE)

Operating weight, including 3,920 mm (12' 10") 2 pieces boom, 2,100 mm (8' 11") Long Arm, SAE heaped 0.25 m³ (0.33 yd³) digging bucket, lubricant, coolant, hydraulic tank, fuel tank, Add CWT, Quick Coupler, Rubber Track, Operator (75 kg).

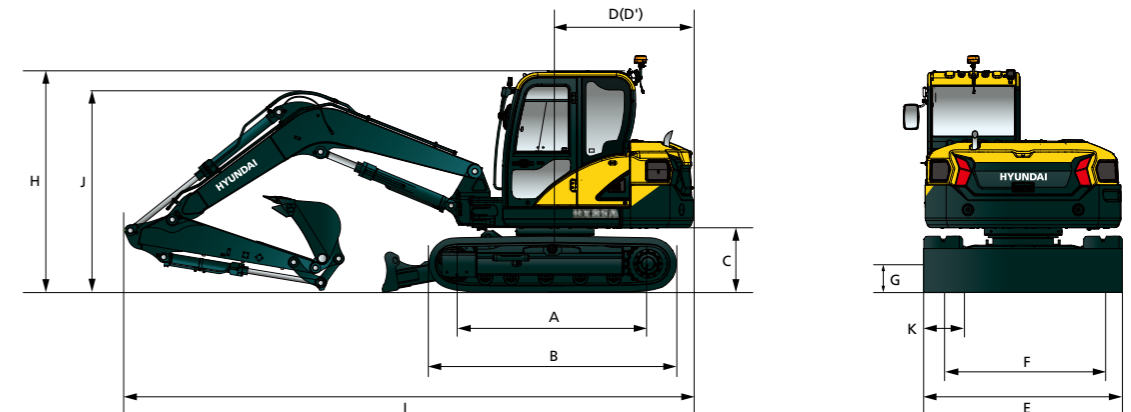
OPERATING WEIGHT

| | | |
|------------------|--------------|-------------------------|
| Operating weight | Rubber (450) | 8,950 kg (19,730 lb) |
| Ground Pressure | Rubber (450) | 0.40 kg/cm ² |

DIMENSIONS & WORKING RANGE

HX85A DIMENSIONS

3.92m (12' 10"), 3.55m (11' 8") boom and 1.75m (5' 9"), 2.1 m (6' 11") arm



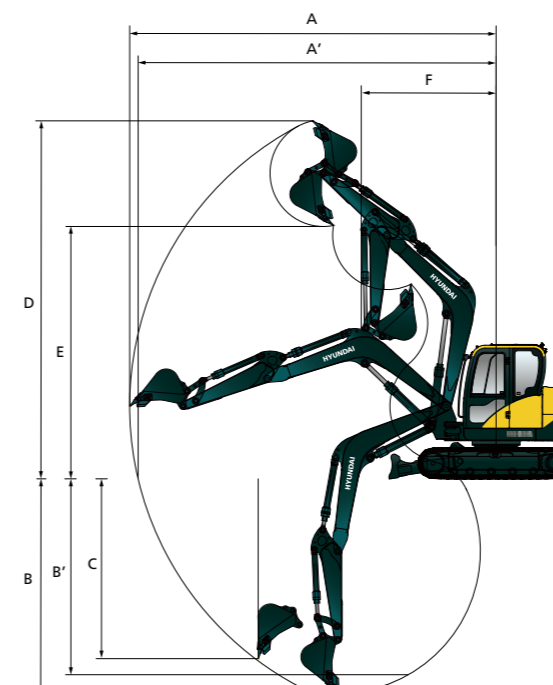
Unit : mm (ft.-in)

| | | |
|-------------------------------------|---------------|--|
| A Tumbler Distance | 2,270 (7' 5") | |
| B Overall Length of Crawler | 2,900 (9' 6") | |
| C Ground Clearance of Counterweight | 745 (2' 5") | |
| D Tail Swing Radius | 1,600 (5' 3") | |
| D' Rear-End Length | 1,645 (5' 5") | |
| E Overall Width (W/Foot Board) | 2,560 (8' 5") | |
| F Track Gauge | 1,850 (6' 1") | |
| G Min. Ground Clearance | 360 (1' 2") | |
| H Overall Height of Cab | 2,560 (8' 5") | |

| | Mono Boom | | 2-pieces Boom | |
|--------------------------|----------------|-----------------|-----------------|----------------|
| Boom Length | 3,550 (11' 8") | | 3,920 (12' 10") | |
| Arm Length | 1,750 (5' 9") | 2,100 (6' 11") | 1,750 (5' 9") | 2,100 (6' 11") |
| I Overall Length | 6,585 (21' 7") | 6,655 (21' 10") | 6,790 (22' 3") | 6,830 (22' 5") |
| J Overall Height of Boom | 2,175 (7' 2") | 2,465 (8' 1") | 2,140 (7' 0") | 2,455 (8' 1") |
| K Track Shoe Width | Triple Grouser | | Rubber Track | |
| | 450 (18") | 600 (24") | 450 (18") | |

HX85A WORKING RANGE

Unit : mm (ft.-in)

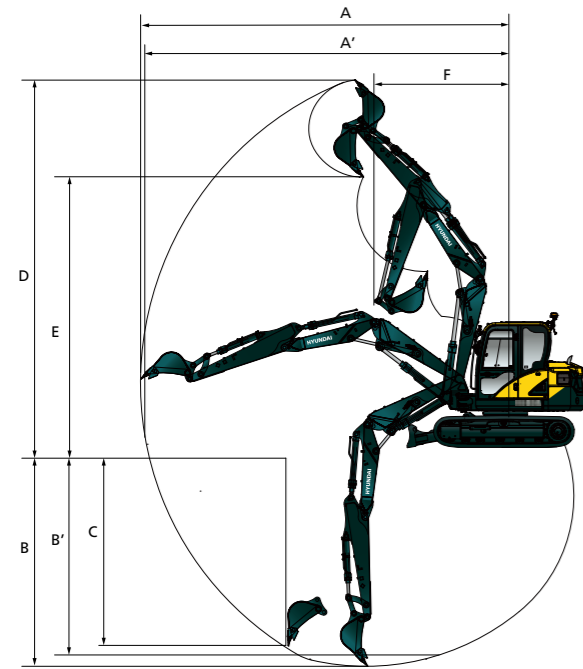


| | | |
|------------------------------------|-----------------|-----------------|
| Boom length | 3,550 (11' 8") | |
| Arm length | 1,750 (5' 9") | 2,100 (6' 11") |
| A Max. digging reach | 7,090 (23' 3") | 7,420 (24' 4") |
| A' Max. digging reach on ground | 6,940 (22' 9") | 7,280 (23' 11") |
| B Max. digging depth | 4,290 (14' 1") | 4,640 (15' 3") |
| B' Max. digging depth (8' level) | 3,930 (12' 11") | 4,320 (14' 2") |
| C Max. vertical wall digging depth | 3,660 (12' 0") | 4,010 (13' 2") |
| D Max. digging height | 6,980 (22' 11") | 7,230 (23' 9") |
| E Max. dumping height | 4,950 (16' 3") | 5,190 (17' 0") |
| F Min. swing radius | 2,515 (8' 3") | 2,715 (8' 11") |

· 2PCS boom with blade

DIMENSIONS & WORKING RANGE

HX85A WORKING RANGE



Unit : mm (ft.-in)

| | | |
|------------------------------------|--------------------|--------------------|
| Boom length | 3,920 (12' 10") | |
| Arm length | 1,750 (5' 9") | 2,100 (6' 11") |
| A Max. digging reach | 7,290 (23' 11") | 7,620 (25' 0") |
| A' Max. digging reach on ground | 7,140 (23' 5") | 7,480 (24' 6") |
| B Max. digging depth | 4,310 (14' 2") | 4,660 (15' 3") |
| B' Max. digging depth (8' level) | 4,150 (13' 7") | 4,510 (14' 10") |
| C Max. vertical wall digging depth | 3,880 (12' 9") | 4,230 (13' 11") |
| D Max. digging height | 7,380 (24' 3") | 7,650 (25' 1") |
| E Max. dumping height | 5,330 (17' 6") | 5,600 (18' 4") |
| F Min. swing radius | 2,475 (8' 1") | 2,710 (8' 11") |

LIFTING CAPACITY

Rating over-front Rating over-side or 360 degree

HX85A 2-PIECES BOOM

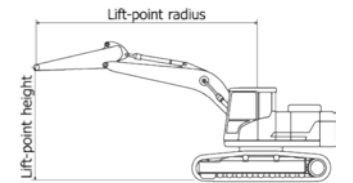
3.92m (12' 10") boom, 1.75m (5' 9") arm equipped with 450mm(18") triple grouser shoe, dozer down position(without bucket)

| Lift-point height (m/ft) | | Lift-point radius | | | | | | At max. reach | | |
|-----------------------------|----------|-------------------|------------------|------------------|----------------|------------------|----------------|------------------|----------------|-----------------|
| | | 3.0m (9.8ft) | | 4.5m (14.8ft) | | 6.0m (19.7ft) | | Capacity | | Reach m (ft) |
| | | | | | | | | | | |
| 6.0m 19.7ft | kg lb | *2,750 *6,060 | *2,750 *6,060 | | | | | *2,450 *5,400 | 2,150 4,740 | 4.11 (13.5) |
| 4.5m 14.8ft | kg lb | *2,580 *5,690 | *2,580 *5,690 | *2,150 *4,740 | 1,890 4,170 | | | *1,960 *4,320 | 1,300 2,870 | 5.58 (18.3) |
| 3.0m 9.8ft | kg lb | | | *2,410 *5,310 | 1,790 3,950 | *1,860 *4,100 | 1,140 2,510 | *1,790 *3,950 | 1,050 2,310 | 6.29 (20.6) |
| 1.5m 4.9ft | kg lb | | | *2,720 *6,000 | 1,660 3,660 | *1,900 *4,190 | 1,100 2,430 | *1,680 *3,700 | 970 2,140 | 6.52 (21.4) |
| 0.0m 0.0ft | kg lb | | | *2,660 *5,860 | 1,580 3,480 | *1,770 *3,900 | 1,070 2,360 | *1,550 *3,420 | 990 2,180 | 6.34 (20.8) |
| -1.5m -4.9ft | kg lb | *2,910 *6,420 | *2,910 *6,420 | *2,110 *4,650 | 1,580 3,480 | | | *1,300 *2,870 | 1,160 2,560 | 5.71 (18.7) |

3.92m (12' 10") boom, 1.75m (5' 9") arm equipped with 450mm(18") triple grouser shoe, dozer up position(without bucket)

| Lift-point height (m/ft) | | Lift-point radius | | | | | | At max. reach | | |
|-----------------------------|----------|-------------------|------------------|----------------|----------------|----------------|----------------|------------------|----------------|-----------------|
| | | 3.0m (9.8ft) | | 4.5m (14.8ft) | | 6.0m (19.7ft) | | Capacity | | Reach m (ft) |
| | | | | | | | | | | |
| 6.0m 19.7ft | kg lb | *2,750 *6,060 | *2,750 *6,060 | | | | | 2,440 5,380 | 1,980 4,370 | 4.11 (13.5) |
| 4.5m 14.8ft | kg lb | *2,580 *5,690 | *2,580 *5,690 | 2,120 4,670 | 1,740 3,840 | | | 1,450 3,200 | 1,190 2,620 | 5.58 (18.3) |
| 3.0m 9.8ft | kg lb | | | 2,020 4,450 | 1,650 3,640 | 1,270 2,800 | 1,040 2,290 | 1,170 2,580 | 960 2,120 | 6.29 (20.6) |
| 1.5m 4.9ft | kg lb | | | 1,880 4,140 | 1,510 3,330 | 1,230 2,710 | 1,000 2,200 | 1,080 2,380 | 880 1,940 | 6.52 (21.4) |
| 0.0m 0.0ft | kg lb | | | 1,800 3,970 | 1,440 3,170 | 1,200 2,650 | 970 2,140 | 1,110 2,450 | 910 2,010 | 6.34 (20.8) |
| -1.5m -4.9ft | kg lb | *2,910 *6,420 | 2,650 5,840 | 1,800 3,970 | 1,440 3,170 | | | *1,300 *2,870 | 1,060 2,340 | 5.71 (18.7) |

- 1 | Lifting capacity are based on ISO 10567.
- 2 | Lifting capacity of HX Series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.
- 3 | The Lift-point is bucket pivot mounting pin on the arm(without bucket mass).
- 4 | (*) indicates load limited by hydraulic capacity.













LIFTING CAPACITY











 Rating over-front  Rating over-side or 360 degree

HX85A 2-PIECES BOOM

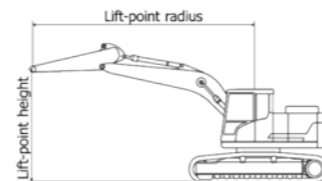
3.92m (12' 10") boom, 2.1m (6' 11") arm equipped with 450mm(18") triple grouser shoe, dozer down position(without bucket)

| Lift-point height (m/ft) | Lift-point radius | | | | | | | | At max. reach | |
|--------------------------|---|---|---|---|---|---|---|---|---|---|
| | 1.5m (4.9ft) | | 3.0m (9.8ft) | | 4.5m (14.8ft) | | 6.0m (19.7ft) | | Capacity | Reach |
| |  |  |  |  |  |  |  |  |  |  |
| 6.0m 19.7ft | kg lb | | | *2,110 *4,650 | 1,890 4,170 | | | *2,070 *4,560 | 1,750 3,860 | 4.68 (15.3) |
| 4.5m 14.8ft | kg lb | | | *1,990 *4,390 | 1,910 4,210 | | | *1,690 *3,730 | 1,160 2,560 | 5.99 (19.6) |
| 3.0m 9.8ft | kg lb | | | *2,280 *5,030 | 1,810 3,990 | *1,790 *3,950 | 1,140 2,510 | *1,600 *3,530 | 950 2,090 | 6.64 (21.8) |
| 1.5m 4.9ft | kg lb | | | *2,640 *5,820 | 1,670 3,680 | *1,870 *4,120 | 1,090 2,400 | *1,560 *3,440 | 880 1,940 | 6.86 (22.5) |
| 0.0m 0.0ft | kg lb | | | *2,690 *5,930 | 1,570 3,460 | *1,820 *4,010 | 1,050 2,310 | *1,450 *3,200 | 900 1,980 | 6.69 (22.0) |
| -1.5m -4.9ft | kg lb | | *3,350 *7,390 | 2,890 6,370 | *2,270 *5,000 | 1,560 3,440 | *1,360 *3,000 | 1,040 2,290 | *1,250 *2,760 | 6.10 (20.0) |
| -3.0m -9.8ft | kg lb | | *1,670 *3,680 | *1,670 *3,680 | *1,100 *2,430 | *1,100 *2,430 | | *750 *1,650 | *750 *1,650 | 4.90 (16.1) |

3.92m (12' 10") boom, 2.1m (6' 11") arm equipped with 450mm(18") triple grouser shoe, dozer up position(without bucket)

| Lift-point height (m/ft) | Lift-point radius | | | | | | | | At max. reach | |
|--------------------------|---|---|---|---|---|---|---|---|---|---|
| | 1.5m (4.9ft) | | 3.0m (9.8ft) | | 4.5m (14.8ft) | | 6.0m (19.7ft) | | Capacity | Reach |
| |  |  |  |  |  |  |  |  |  |  |
| 6.0m 19.7ft | kg lb | | | *2,110 *4,650 | 1,740 3,840 | | | 1,970 4,340 | 1,620 3,570 | 4.68 (15.3) |
| 4.5m 14.8ft | kg lb | | | *1,990 *4,390 | 1,760 3,880 | | | 1,290 2,840 | 1,060 2,340 | 5.99 (19.6) |
| 3.0m 9.8ft | kg lb | | | 2,040 4,500 | 1,670 3,680 | 1,280 2,820 | 1,050 2,310 | 1,070 2,360 | 870 1,920 | 6.64 (21.8) |
| 1.5m 4.9ft | kg lb | | | 1,890 4,170 | 1,520 3,350 | 1,230 2,710 | 1,000 2,200 | 990 2,180 | 810 1,790 | 6.86 (22.5) |
| 0.0m 0.0ft | kg lb | | | 1,790 3,950 | 1,430 3,150 | 1,190 2,620 | 960 2,120 | 1,020 2,250 | 820 1,810 | 6.69 (22.0) |
| -1.5m -4.9ft | kg lb | | *3,350 *7,390 | 2,600 5,730 | 1,780 3,920 | 1,420 3,130 | 1,190 2,620 | 960 2,120 | 1,170 2,580 | 6.10 (20.0) |
| -3.0m -9.8ft | kg lb | | *1,670 *3,680 | *1,670 *3,680 | *1,100 *2,430 | *1,100 *2,430 | | *750 *1,650 | *750 *1,650 | 4.90 (16.1) |











- 1 | Lifting capacity are based on ISO 10567.
- 2 | Lifting capacity of HX Series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.
- 3 | The Lift-point is bucket pivot mounting pin on the arm(without bucket mass).
- 4 | (*) indicates load limited by hydraulic capacity.













 Rating over-front  Rating over-side or 360 degree

HX85A MONO BOOM

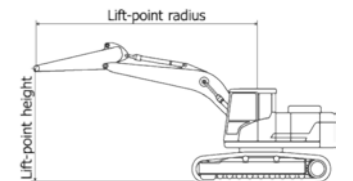
3.55m (11' 8") boom, 1.75m (5' 9") arm equipped with 450mm(18") triple grouser shoe, dozer down position(without bucket)

| Lift-point height (m/ft) | Lift-point radius | | | | | | | | At max. reach | | |
|--------------------------|---|---|---|---|---|---|---|---|---|---|----------------|
| | 1.5m (4.9ft) | | 3.0m (9.8ft) | | 4.5m (14.8ft) | | 6.0m (19.7ft) | | Capacity | Reach | |
| |  |  |  |  |  |  |  |  |  |  | m (ft) |
| 6.0m 19.7ft | kg lb | | | | | | | | *2,280 *5,030 | *2,280 *5,030 | 3.21 (10.5) |
| 4.5m 14.8ft | kg lb | | | | | *1,890 *4,170 | *1,890 *4,170 | | *1,910 *4,210 | 1,620 3,570 | 5.02 (16.5) |
| 3.0m 9.8ft | kg lb | | | | *2,970 *6,550 | *2,970 *6,550 | *2,140 *4,720 | 1,880 4,140 | *1,820 *4,010 | 1,270 2,800 | 5.81 (19.1) |
| 1.5m 4.9ft | kg lb | | | | *2,620 *5,780 | 1,780 3,920 | *1,970 *4,340 | 1,180 2,600 | *1,930 *4,250 | 1,160 2,560 | 6.06 (19.9) |
| 0.0m 0.0ft | kg lb | | | | *3,620 *7,980 | 3,110 6,860 | *2,870 *6,330 | 1,720 3,790 | *2,010 *4,430 | 1,190 2,620 | 5.87 (19.2) |
| -1.5m -4.9ft | kg lb | *3,910 *8,620 | *3,910 *8,620 | *4,210 *9,280 | 3,130 6,900 | *2,590 *5,710 | 1,710 3,770 | | *2,040 *4,500 | 1,430 3,150 | 5.16 (16.9) |
| -3.0m -9.8ft | kg lb | | | *2,290 *5,050 | *2,290 *5,050 | | | | *1,750 *3,860 | *1,750 *3,860 | 3.57 (11.7) |

3.55m (11' 8") boom, 1.75m (5' 9") arm equipped with 450mm(18") triple grouser shoe, dozer up position(without bucket)

| Lift-point height (m/ft) | Lift-point radius | | | | | | | | At max. reach | | |
|--------------------------|---|---|---|---|---|---|---|---|---|---|----------------|
| | 1.5m (4.9ft) | | 3.0m (9.8ft) | | 4.5m (14.8ft) | | 6.0m (19.7ft) | | Capacity | Reach | |
| |  |  |  |  |  |  |  |  |  |  | m (ft) |
| 6.0m 19.7ft | kg lb | | | | | | | | *2,280 *5,030 | *2,280 *5,030 | 3.21 (10.5) |
| 4.5m 14.8ft | kg lb | | | | | *1,890 *4,170 | 1,790 3,950 | | 1,800 3,970 | 1,490 3,280 | 5.02 (16.5) |
| 3.0m 9.8ft | kg lb | | | | *2,970 *6,550 | *2,970 *6,550 | 2,110 4,650 | 1,740 3,840 | 1,400 3,090 | 1,170 2,580 | 5.81 (19.1) |
| 1.5m 4.9ft | kg lb | | | | | 2,000 4,410 | 1,640 3,620 | 1,310 2,890 | 1,290 2,840 | 1,070 2,360 | 6.06 (19.9) |
| 0.0m 0.0ft | kg lb | | | | *3,620 *7,980 | 2,820 6,220 | 1,930 4,250 | 1,580 3,480 | 1,330 2,930 | 1,100 2,430 | 5.87 (19.2) |
| -1.5m -4.9ft | kg lb | *3,910 *8,620 | *3,910 *8,620 | 3,660 8,070 | 2,850 6,280 | 1,930 4,250 | 1,570 3,460 | | 1,590 3,510 | 1,310 2,890 | 5.16 (16.9) |
| -3.0m -9.8ft | kg lb | | | *2,290 *5,050 | *2,290 *5,050 | | | | *1,750 *3,860 | *1,750 *3,860 | 3.57 (11.7) |

- 1 | Lifting capacity are based on ISO 10567.
- 2 | Lifting capacity of HX Series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.
- 3 | The Lift-point is bucket pivot mounting pin on the arm(without bucket mass).
- 4 | (*) indicates load limited by hydraulic capacity.



LIFTING CAPACITY

Rating over-front Rating over-side or 360 degree

HX85A MONO BOOM

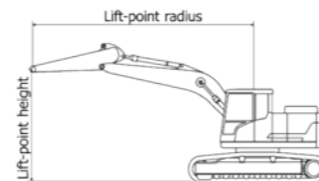
3.55m (11' 8") boom, 2.1m (6' 11") arm equipped with 450mm(18") triple grouser shoe, dozer down position(without bucket)

| Lift-point height (m/ft) | | Lift-point radius | | | | | | | | At max. reach | | |
|--------------------------|----------|-------------------|------------------|------------------|------------------|------------------|------------------|------------------|----------------|------------------|------------------|----------------|
| | | 1.5m (4.9ft) | | 3.0m (9.8ft) | | 4.5m (14.8ft) | | 6.0m (19.7ft) | | Capacity | Reach | |
| | | | | | | | | | | | | m (ft) |
| 6.0m 19.7ft | kg lb | | | | | | | | | *1,930 *4,250 | *1,930 *4,250 | 3.88 (12.7) |
| 4.5m 14.8ft | kg lb | | | | | *1,660 *3,660 | *1,660 *3,660 | | | *1,630 *3,590 | 1,430 3,150 | 5.43 (17.8) |
| 3.0m 9.8ft | kg lb | | | *2,480 *5,470 | *2,480 *5,470 | *1,950 *4,300 | 1,900 4,190 | *1,760 *3,880 | 1,210 2,670 | *1,560 *3,440 | 1,150 2,540 | 6.15 (20.2) |
| 1.5m 4.9ft | kg lb | | | *4,440 *9,790 | 3,250 7,170 | *2,480 *5,470 | 1,790 3,950 | *1,890 *4,170 | 1,170 2,580 | *1,650 *3,640 | 1,060 2,340 | 6.39 (21.0) |
| 0.0m 0.0ft | kg lb | | | *3,720 *8,200 | 3,090 6,810 | *2,830 *6,240 | 1,710 3,770 | *1,960 *4,320 | 1,140 2,510 | *1,860 *4,100 | 1,090 2,400 | 6.21 (20.4) |
| -1.5m -4.9ft | kg lb | *3,290 *7,250 | *3,290 *7,250 | *4,490 *9,900 | 3,090 6,810 | *2,690 *5,930 | 1,690 3,730 | | | *1,910 *4,210 | 1,270 2,800 | 5.56 (18.2) |
| -3.0m -9.8ft | kg lb | | | *2,950 *6,500 | *2,950 *6,500 | | | | | *1,810 *3,990 | *1,810 *3,990 | 4.16 (13.7) |

3.55m (11' 8") boom, 2.1m (6' 11") arm equipped with 450mm(18") triple grouser shoe, dozer up position(without bucket)

| Lift-point height (m/ft) | | Lift-point radius | | | | | | | | At max. reach | | |
|--------------------------|----------|-------------------|------------------|------------------|------------------|------------------|------------------|----------------|----------------|------------------|------------------|----------------|
| | | 1.5m (4.9ft) | | 3.0m (9.8ft) | | 4.5m (14.8ft) | | 6.0m (19.7ft) | | Capacity | Reach | |
| | | | | | | | | | | | | m (ft) |
| 6.0m 19.7ft | kg lb | | | | | | | | | *1,930 *4,250 | *1,930 *4,250 | 3.88 (12.7) |
| 4.5m 14.8ft | kg lb | | | | | *1,660 *3,660 | *1,660 *3,660 | | | 1,590 3,510 | 1,320 2,910 | 5.43 (17.8) |
| 3.0m 9.8ft | kg lb | | | *2,480 *5,470 | *2,480 *5,470 | *1,950 *4,300 | 1,750 3,860 | 1,340 2,950 | 1,110 2,450 | 1,280 2,820 | 1,070 2,360 | 6.15 (20.2) |
| 1.5m 4.9ft | kg lb | | | 3,790 8,360 | 2,960 6,530 | 2,010 4,430 | 1,650 3,640 | 1,300 2,870 | 1,080 2,380 | 1,180 2,600 | 980 2,160 | 6.39 (21.0) |
| 0.0m 0.0ft | kg lb | | | 3,620 7,980 | 2,800 6,170 | 1,920 4,230 | 1,570 3,460 | 1,270 2,800 | 1,050 2,310 | 1,210 2,670 | 1,000 2,200 | 6.21 (20.4) |
| -1.5m -4.9ft | kg lb | *3,290 *7,250 | *3,290 *7,250 | 3,620 7,980 | 2,800 6,170 | 1,900 4,190 | 1,550 3,420 | | | 1,420 3,130 | 1,170 2,580 | 5.56 (18.2) |
| -3.0m -9.8ft | kg lb | | | *2,950 *6,500 | 2,890 6,370 | | | | | *1,810 *3,990 | 1,790 3,950 | 4.16 (13.7) |

- 1 | Lifting capacity are based on ISO 10567.
- 2 | Lifting capacity of HX Series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.
- 3 | The Lift-point is bucket pivot mounting pin on the arm(without bucket mass).
- 4 | (*) indicates load limited by hydraulic capacity.



BUCKET SELECTION GUIDE & DIGGING FORCE

BUCKETS

| Capacity m ³ (yd ³) | | Width mm (in) | Weight kg (lb) | Tooth (EA) | Recommendation mm (ft.in) | | | |
|--|-------------|---------------|----------------|------------|---------------------------|--------------------|---------------------|---------------------|
| | | | | | 3,550 (11' 8")Boom | 3,550 (11' 8")Boom | 3,920 (12' 10")Boom | 3,920 (12' 10")Boom |
| SAE Heaped | CECE Heaped | | | | 1,760 (5' 9")Arm | 2,100 (6' 11")Arm | 1,760 (5' 9")Arm | 2,100 (6' 11")Arm |
| 0.25 (0.33) | 0.21 (0.27) | 796 (31.3") | 188 (0.410) | 4 | ● | ● | ● | ⦿ |

- ◆ Heavy duty bucket
- ◆ Rock-Heavy duty bucket
- ★ Long reach bucket
- ⊙ Slope finishing bucket
- : Applicable for materials with density of 2,100 kgf/m³ (3,500 lbf/yd³) or less
- ⦿ : Applicable for materials with density of 1,800 kgf/m³ (3,000 lbf/yd³) or less
- : Applicable for materials with density of 1,500 kgf/m³ (2,500 lbf/yd³) or less
- ▲ : Applicable for materials with density of 1,200 kgf/m³ (2,000 lbf/yd³) or less
- x : Not Recommended

DIGGING FORCE

| Arm | Length | mm (ft.in) | 1,750 (5' 9") | 2,100 (6' 11") |
|----------------------|--------|------------|--------------------|--------------------|
| | Weight | kg (lb) | 167 (368) | 194 (428) |
| Bucket Digging Force | SAE | kN | 52.9(58.5) | 53.0(58.7) |
| | | kgf | 5,389.5(5,967.0) | 5,401.0(5,979.7) |
| | | lbf | 11,881.8(13,154.9) | 11,907.2(13,183.0) |
| | ISO | kN | 61.5(68.1) | 61.6(68.3) |
| | | kgf | 6,268.1(6,939.7) | 6,283.9(6,957.2) |
| | | lbf | 13,818.8(15,299.3) | 13,853.7(15,338.0) |
| Arm Crowd Force | SAE | kN | 39.7(43.9) | 35.7(39.5) |
| | | kgf | 4,042.0(4,475.0) | 3,639.5(4,029.5) |
| | | lbf | 8,911.0(9,865.8) | 8,023.8(8,883.5) |
| | ISO | kN | 41.4(45.9) | 37.1(41.1) |
| | | kgf | 4,221.6(4,674.0) | 3,782.4(4,187.7) |
| | | lbf | 9,307.1(10,304.3) | 8,338.8(9,232.3) |

Note : Arm weight includes bucket cylinder, linkage, and pin

STANDARD / OPTION

| ENGINE | STD | OPT |
|--|-----|-----|
| YANMAR 4TNV98C Engine | ● | |
| HYDRAULIC SYSTEM | | |
| INTELLIGENT POWER CONTROL | | |
| Load Sensing Hydraulic | ● | |
| Engine Auto Idle | ● | |
| Engine Auto Shutdown with Smart Key | | ● |
| CAB & INTERIOR | | |
| ISO STANDARD CABIN | | |
| Windshield Wiper | ● | |
| Radio / USB Player | ● | |
| 12 V Power Outlet | ● | |
| Horn | ● | |
| All-Weather Steel Cab with 360° Visibility | ● | |
| Safety Glass Windows | ● | |
| Sliding Fold-In Front Window | ● | |
| Sliding side window | ● | |
| Lockable Door | ● | |
| Storage Compartment & Ashtray | ● | |
| Sun Visor | ● | |
| Door and Cab Locks, One Key | ● | |
| Cabin Light (Normal / LED) | ● | |
| AUTOMATIC CLIMATE CONTROL | | |
| Air Conditioner & Heater | ● | |
| Defroster | ● | |
| Starting Aid (Air Grid Heater) for Cold Weather | ● | |
| CENTRALIZED MONITORING | | |
| Engine speed | ● | |
| Fuel level gauge | ● | |
| Engine coolant temperature gauge | ● | |
| Fuel level | ● | |
| Engine oil pressure | ● | |
| Engine coolant temperature | ● | |
| Hyd. oil temperature | ● | |
| Low battery | ● | |
| Air cleaner clogging | ● | |
| Fuel prefilter | ● | |
| SEAT | | |
| Fabric seat & Mechanical Suspension with heater | ● | |
| Leather seat & Mechanical Suspension with heater | | ● |
| CABIN FOPS (ISO 10262) LEVEL 1 | | |
| FOPS (Falling-Object Protective Structures) | ● | |
| CABIN ROPS(ISO 12117-2) | | |
| ROPS (Roll Over Protective Structure) | ● | |
| Adjustable Console Height | ● | |

| SAFETY | STD | OPT |
|--|-----|-----|
| Battery master switch | ● | |
| Rearview camera | | ● |
| Two front working light (Normal) | ● | |
| Two front working light (LED) | | ● |
| Travel alarm | ● | |
| Rear work lamp (Normal / LED) | | ● |
| Beacon lamp (LED) | | ● |
| Automatic swing brake | ● | |
| Safety lock valve for boom cylinder with overload warning device | | ● |
| Safety lock valve for arm cylinder | | ● |
| Swing Parking System | ● | |
| Outside rearview mirror | ● | |
| ATTACHMENT | | |
| BOOMS | | |
| 3.55 m | ● | |
| 3.92 m 2 pieces | | ● |
| ARMS | | |
| 1.75 m | ● | |
| 2.10 m | | ● |
| OTHERS | | |
| Thumb Bracket | | ● |
| Additional Counterweight | | ● |
| Hi MATE (Remote Management System) | | ● |
| Batteries (12V x 100 AH) | ● | |
| Fuel filler pump | | ● |
| Double-acting piping kit (clamshell, etc.) | ● | |
| Rotating Piping Kit | | ● |
| Quick coupler piping | | ● |
| Quick coupler | | ● |
| Accumulator for lowering work equipment | ● | |
| Pattern change valve (2 patterns) | | ● |
| Travel Speed Auto Shift Down | ● | |
| Tool kit | ● | |
| UNDERCARRIAGE | | |
| Dozer Blade | ● | |
| Dozer Float | ● | |
| 4 Way Angle Dozer Blade | | ● |
| TRACK SHOES | | |
| Triple grouser shoes (450 mm, 18") | | ● |
| Triple grouser shoes (600 mm, 24") | | ● |
| Rubber track (450 mm, 18") | ● | |
| Rubber PAD (450 mm, 18") | | ● |

- * Standard and optional equipment may vary. Contact your Hyundai dealer for more information. The machine may vary according to International standards.
- * The photos may include attachments and optional equipment that are not available in your area.
- * Materials and specifications are subject to change without advance notice.
- * All imperial measurements rounded off to the nearest pound or inch.

MEMO