

WHEN YOU NEED EXTRA  
**XT 1610**



Escorts Engine: 75 HP | Max. Dig Depth: 4.8 m | Load Over Height: 3.51 m

**ESCORTS**  **WHITE LINE**

# SPECIFICATIONS



## ENGINE

- Proven, powerful and fuel efficient Escorts E4.346CR water cooled turbo charged diesel engine.
- Gross power: 55 kw (75HP) @ 2000 RPM
- Max Torque (Gross): 340Nm @ 1400 RPM
- CEV - IV emission norms



## HYDRAULICS

- Hydraulic pump - Tandem Gear Pump
- Maximum flow (both pumps) 116 lpm @ 2000 RPM
- System main relief setting 225 bar
- Fixed flow, open centre two pump unloading energy efficient hydraulic system.



## TRANSMISSION

- Four speed (4F, 4R gear) Syncro shift reversing shuttle transmission provides superior traction, gradeability higher force while entering pile or during dozing operation.
- Neutral start provision prevents starting when shuttle is engaged.
- Gear lever with transmission disconnect switch adds to the overall ease of gear shifting.



## WEIGHT

- 2WD : 8190 Kg
- 4WD : 8350 Kg



## TRAVEL SPEED

- |                        |                           |
|------------------------|---------------------------|
|                        | F/R gear                  |
| • 1 <sup>st</sup> Gear | 5.3 kmph/4.6 kmph         |
| • 2 <sup>nd</sup> Gear | 8.5 kmph/7.0 kmph         |
| • 3 <sup>rd</sup> Gear | 18.2 kmph/Not recommended |
| • 4 <sup>th</sup> Gear | 36.0 kmph/Not recommended |



## BRAKES

- Service Brakes: Hydraulically actuated dual line, self adjusting, oil immersed, multi disc type on rear axle
- Parking Brakes: Hand-operated caliper disc brakes



## AXLES

- 2WD : Front steer axle with 16 deg oscillation for maximum ground contact in undulated condition
- 4WD : Front steer axle with 12 deg oscillation for maximum ground contact in undulated condition
- Rear drive axle, rigidly mounted to chassis



## STEERING

- Hydrostatic power steering in front wheel
- Hydraulic supply from pump via priority valve for quick response steering
- Working pressure: 120 bar



## TYRES

- Front : 2WD 9.00 x 16 – 16 PR  
4WD 12.5 x 80 – 12 PR
- Rear : 16 x 9 – 28 – 12 PR



## SERVICE REFILL CAPACITIES

- |                        |      |        |
|------------------------|------|--------|
| • Hydraulic system oil | 80   | litres |
| • Fuel tank            | 134  | litres |
| • Engine coolant       | 15   | litres |
| • Engine oil           | 11.5 | litres |
| • Transmission oil     | 16.5 | litres |
| • Rear axle oil        | 17.1 | litres |
| • Brake reservoir oil  | 1.0  | litres |



## EQUIPMENT MONITORING SYSTEM

GPS + GSM based equipment monitoring system is a standard fitment and provides sms alerts for effective equipment management and acts as a diagnostic tool.



## WARNING MESSAGE-SMS, MAIL, ONLINE

- Engine Oil Pressure
- Battery Charging Status
- Engine Coolant Temperature
- Hydraulic Oil Temperature
- Transmission Oil Temperature
- Machine Idle Information
- Fuel Level Information



## OPTIONAL ATTACHMENTS

- Heavy Duty Rear Tyres: 14x25-20 PR
- Rock Breaker
- Ripper Tooth
- Extendible Dipper
- Trenching Buckets - 0.09 m<sup>3</sup>, 0.12 m<sup>3</sup>, 0.18 m<sup>3</sup>
- Special Purpose Buckets - 0.30 m<sup>3</sup>, 0.32 m<sup>3</sup>
- Coal Bucket - 1.5 m<sup>3</sup>
- Multi Purpose (6-in-1) Bucket
- 300 mm Trench Bucket (Optical Fibre Cable Laying Application)



## ELECTRICAL

- 12V Electrical Sytem supported by 150AH maintenance free battery, 90 Amp alternator & safety controller starter motor to avoid over cranking
- Outrigger engagement warning for the safety of equipment
- FM radio & music system

### Warning

All dimensions, Weights, timings mentioned are with standard tyres. Dipper, Buckets are variable within ± 5% ECE has the right to change values given & design shown without giving a notification.

**NOTE** Technical modification reserved. All dimensions & weights are variable within ± 5% over indicated values.

# PERFORMANCE & DIMENSIONS

## ESCORTS WHITE LINE XT 1610

### LOADER PERFORMANCE (Figure 1)

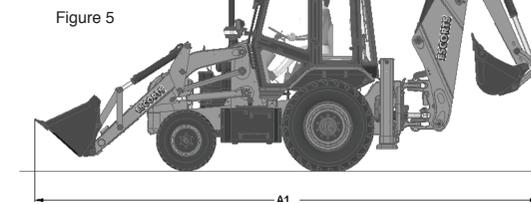
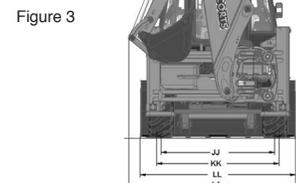
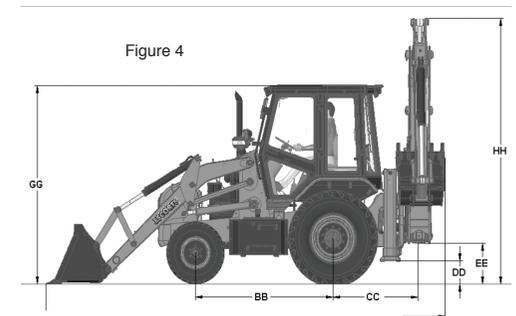
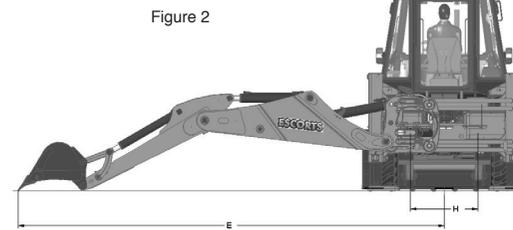
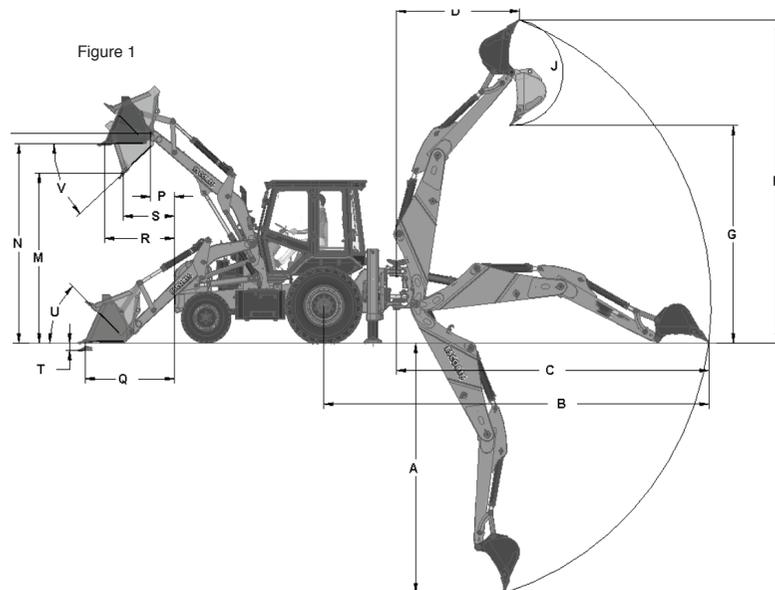
M : Dump height (Cutting edge)	3.00	m
N : Load over height (Cutting edge)	3.51	m
O : Pin height (Cutting edge)	3.70	m
P : Pin forward reach	0.43	m
Q : Reach at ground	1.57	m
R : Max reach at full height	1.22	m
S : Reach at full height-Bucket dumped	0.85	m
T : Below ground level dig depth	0.13	m
u : Rollback at ground	45	deg
V : Dump angle	45	deg
Bucket breakout force	6425	kgf
Loader arm breakout force	5777	kgf
Payload	1980	kg
Return to Dig	Available	
Sell evelling	Available	
Loader Bucket Capacity	1.2	m <sup>3</sup>

### EXCAVATOR PERFORMANCE (Figure 1 & 2)

A : Max dig depth (bucket in dump position)	4.80	m
B : Reach ground level to rear wheel center	6.97	m
C : Reach ground level to slew center	5.65	m
D : Reach at full height to slew center	2.23	m
E : Side reach to center line of machine	6.00	m
F : Max working height (Stab's fully out)	6.30	m
G : Max load over height (Stab's fully out)	4.39	m
H : King post travel	1.00	m
J : Bucket rotation power	187	deg
Bucket tear out force	6018	kgf
Dipper tear out force	3250	kgf
Lift capacity to bucket pivot at full reach (SAE J31)	1554	kgf
Co-oxial Carriage		
Excavator Bucket capacity	0.26	m <sup>3</sup>

### STATIC DIMENSIONS (Figure 3,4 & 5)

AA : Overall length (transport mode)	6.28	m
AI : Overall length (travel mode)	7.85	m
BB : Wheel base	2.14	m
CC : Rear wheel to slew center	1.38	m
DD : Minimum ground clearance	0.35	m
EE : Slew ground clearance	0.59	m
GG : Height to top of cab	2.88	m
HH : Overall height	3.78	m
JJ : Track width - Rear	1.75	m
KK : Track width - Front	1.87	m
LL : Width over bucket	2.38	m
LI : Width (transport mode)	2.56	m



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## SUPPORT NETWORK

# Experience Our Mobile Service Van For Fast And Reliable Solutions



### ADDRESS:

#### North Zone

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#### West Zone

ESCORTS LTD - CONSTRUCTION EQUIPMENT UNIT 1,  
3<sup>RD</sup> FLOOR, A-WING, TIMES SQUARE,  
ANDHERI - KURLA ROAD, OPP MITTAL INDUSTRIAL ESTATE,  
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#### South Zone

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