

[National Automotive Board (NAB)]

C O U E 0110

Date : 03rd April 2025

CERTIFICATE

FOR
COMPLIANCE TO SMOKE & MASS EMISSION

Cert	Report	Spec	Drg	Total
11	-	146	19	176 pgs

M/s Escorts Kubota Limited

Plant: Faridabad

1. Based on the verification of documents / trials conducted on the engine model(s) "E3.234-3A" manufactured by **M/s Escorts Kubota Limited, Faridabad**, it is certified that the following agricultural tractor model(s) listed in Annexure - I, manufactured by **M/s Escorts Kubota Limited, Faridabad** with above engine model(s), comply with the following provisions of the Central Motor Vehicles Rules, 1989, as amended up-to-date.

Mass Emission Standards	CMV Rule	Effective From	MoRTH Noti. No.	Date
Bharat (Trem) Stage III A	115A(2), (3) & (7)	01.04.2010	GSR 84(E)	09.02.2009

2. This certificate supersedes the earlier certificate **COTE 0259 dt. 23.12.2024** and covers the agricultural tractor models listed in Annexure -I , declared by the manufacturer to have been produced / planned to be produced with the following engine model/s of Family F23.

Fuel	Plant	Manufacturer		
Diesel	Faridabad	M/s. Escorts Kubota Limited		
Engine Family	F23		Engine Power (Declared)	Cubic Capacity
Parent	E3.234-3A		30.2 kW @ 2200 rpm	2339 cm ³
Variant (s)	Annexure -II			

- 3 The duly endorsed Specifications No: **KMC:ETL:F23:16 dt. 07.03.2025** as declared by the agricultural tractor manufacturer are enclosed with this certificate.

Report Reference	CT1EQ 0180 dt. 27.04.2021 (FIP / INJECTOR / GOVERNOR – BOSCH/Delphi TVS for models E3.234-3A, E3.234A-3A & E3.234B-3A & BOSCH for models E3.215D-3A, E3.215-3A, AE4.286A-3A, AE4.312A-3A, AE4.312B-3A, AE4.312C-3A, E3.215C-3A)		
ICAT Case Reference	2025-0007; IOCS No. 185331	Please turn over for DISCLAIMER	

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SITARAM KSAHYAP DEPUTY GENERAL MANAGER		SAURABH DALELA DIRECTOR	
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ANNEXURE - I

Vehicle Type		Agricultural Tractor	
Plant		Faridabad	
S. No.	Tractors Models	Declared Max. PTO Power (kW)	Declared Rated PTO Power (kW)
Engine Model: E3.234-3A (Parent)			
1	POWERTRAC 439 DS PLUS	27.8 kW @ 2200 Engine rpm	27.8 kW @ 2200 Engine rpm
2	POWERTRAC 439 DS PLUS AM		
3	POWERTRAC 439 DS PLUS VM		
4	POWERTRAC 439 DS PLUS LM		
5	POWERTRAC 439 DS PLUS SM		
6	POWERTRAC 439 DS PLUS SMPS		
7	POWERTRAC 439 DS PLUS LMPS		
8	POWERTRAC 439 DS PLUS LM-HR-OIB		
9	POWERTRAC 439 DS PLUS ALT4000		
10	POWERTRAC 439 DS PLUS F1		
11	POWERTRAC 439 DS PLUS EURO		
12	POWERTRAC 439 DS PLUS EURO AM		
13	POWERTRAC 439 DS PLUS EURO VM		
14	POWERTRAC 439 DS PLUS EURO LM		
15	POWERTRAC 439 DS PLUS EURO SM		
16	FARMTRAC CHAMPION F2		
17	FARMTRAC CHAMPION F2 VM		
18	FARMTRAC CHAMPION F2 LM		
19	FARMTRAC CHAMPION F2 AM		
20	FARMTRAC CHAMPION F2 SM		
21	439 DS Plus EURO 41 (Brandname:-POWERTRAC)		
22	439 DS Plus EURO 41 E1(Brandname:POWERTRAC)		
23	439 DS Plus EURO 41 E2(Brandname:POWERTRAC)		
24	439 DS Plus EURO 41 E3(Brandname:POWERTRAC)		
25	439 DS Plus EURO 41 E4(Brandname:POWERTRAC)		
26	439 DS Plus EURO 41 E5(Brandname:POWERTRAC)		
27	EURO 41 (Brandname:-POWERTRAC)		
28	EURO 41 E1 (Brandname:-POWERTRAC)		
29	EURO 41 E2 (Brandname:-POWERTRAC)		
30	EURO 41 E3 (Brandname:-POWERTRAC)		
31	EURO 41 E4 (Brandname:-POWERTRAC)		
32	EURO 41 E5 (Brandname:-POWERTRAC)		
33	ALT 4000 (Brandname:-POWERTRAC)		

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Vehicle Type		Agricultural Tractor	
Plant		Faridabad	
S. No.	Tractors Models	Declared Max. PTO Power (kW)	Declared Rated PTO Power (kW)
Engine Model: E3.234-3A (Parent)			
34	FARMTRAC XP41 Champion	27.8 kW @ 2200 Engine rpm	27.8 kW @ 2200 Engine rpm
35	439 DS E1 (Brandname:-POWERTRAC)		
36	439 DS E2 (Brandname:-POWERTRAC)		
37	439 DS E3 (Brandname:-POWERTRAC)		
38	439 DS E5 (Brandname:-POWERTRAC)		
39	439 E1 (Brand:-POWERTRAC)		
40	439 E3 (Brand:-POWERTRAC)		
41	439 E4 (Brand:-POWERTRAC)		
42	439 E5 (Brand:-POWERTRAC)		
43	439 E6 (Brand:-POWERTRAC)		
44	439 E7 (Brand:-POWERTRAC)		
45	439 E8 (Brand:-POWERTRAC)		
46	439 E9 (Brand:-POWERTRAC)		
47	439 E10 (Brand:-POWERTRAC)		
48	439 E11 (Brand:-POWERTRAC)		
49	439 E12(Brand:-POWERTRAC)		
50	439 E13 (Brand:-POWERTRAC)		
51	439 E14 (Brand:-POWERTRAC)		
52	439 E15 (Brand:-POWERTRAC)		
53	STEELTRAC 42		
54	STEELTRAC 42 S1		
55	STEELTRAC 42 S2		
56	STEELTRAC 42 S3		
57	STEELTRAC 42 S4		
58	STEELTRAC 42 S5		
59	STEELTRAC 42 S6		
60	ST 42		
61	ST 42 S1		
62	ST 42 S2		
63	ST 42 S3		
64	ST 42 S4		
65	ST 42 S5		
66	ST 42 S6		
67	FARMTRAC CHAMPION F3		
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Vehicle Type		Agricultural Tractor	
Plant		Faridabad	
S. No.	Tractors Models	Declared Max. PTO Power (kW)	Declared Rated PTO Power (kW)
Engine Model: E3.215D-3A(Variant)			
1	FARMTRAC - Champion	25.0 kW @ 2200 Engine rpm	25.0 kW @ 2200 Engine rpm
2	FARMTRAC - Champion F1		
3	FARMTRAC - Champion F1 VM		
4	FARMTRAC - Champion F1 AM		
5	FARMTRAC - Champion F1 SM		
6	FARMTRAC - Champion F1 LM		
7	FARMTRAC - Champion E1		
8	FARMTRAC - Champion DC		
9	FARMTRAC - Champion LM		
10	FARMTRAC - Champion SM		
11	FARMTRAC - Champion AM		
12	FARMTRAC - Champion VM		
13	POWERTRAC - 439 XL		
14	POWERTRAC - 439		
15	POWERTRAC - 439 DX		
16	POWERTRAC 439 VM		
17	439 E2 (BRAND: POWERTRAC)		
18	POWERTRAC 439 AM		
19	POWERTRAC 439 LM		
20	POWERTRAC 434 DS PLUS		
21	POWERTRAC 434 DS PLUS AM		
22	POWERTRAC 434 DS PLUS VM		
23	POWERTRAC 434 DS PLUS LM		
24	434 E5 (BRAND: POWERTRAC)		
25	434 E6 (BRAND: POWERTRAC)		
26	434 E7 (BRAND: POWERTRAC)		
27	434 E8 (BRAND: POWERTRAC)		
28	POWERTRAC 434 DS PLUS ALT3500		
29	POWERTRAC 434 DS PLUS SM		
30	POWERTRAC 434 DS PLUS EURO AM		
31	POWERTRAC 434 DS PLUS EURO VM		
32	POWERTRAC 434 DS PLUS EURO LM		
33	POWERTRAC 434 DS PLUS EURO		

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Vehicle Type		Agricultural Tractor	
Plant		Faridabad	
S. No.	Tractors Models	Declared Max. PTO Power (kW)	Declared Rated PTO Power (kW)
Engine Model: E3.215D-3A(Variant)			
34	FARMTRAC HERO F1	25.0 kW @ 2200 Engine rpm	25.0 kW @ 2200 Engine rpm
35	FARMTRAC HERO F1 VM		
36	FARMTRAC HERO F1 AM		
37	FARMTRAC HERO F1 SM		
38	FARMTRAC HERO F1 LM		
39	FARMTRAC HERO F2		
40	434 DS Plus EURO 37(BRANDNAME:-POWERTRAC)		
41	434 DS Plus EURO 37 E1(Brandname :- POWERTRAC)		
42	434 DS Plus EURO 37 E2(Brandname :- POWERTRAC)		
43	EURO 37(Brandname :- POWERTRAC)		
44	EURO 37 E1(Brandname :- POWERTRAC)		
45	EURO 37 E2(Brandname :- POWERTRAC)		
46	FARMTRAC XP37		
47	439 DS (Brand name :- POWERTRAC)		
48	439 DS E4 (Brand name :- POWERTRAC)		
49	439 DS E6 (Brand name :- POWERTRAC)		
50	439 DS E7 (Brand name :- POWERTRAC)		
51	439 DS E8 (Brand name :- POWERTRAC)		
52	439 DS E9 (Brand name :- POWERTRAC)		
53	439 DS E10 (Brand name :- POWERTRAC)		
54	439 DS E11 (Brand name :- POWERTRAC)		
55	439 DS E12 (Brand name :- POWERTRAC)		
56	435 (Brand name :- POWERTRAC)		
57	437 (Brand name :- POWERTRAC)		
Engine Model: E3.215-3A(Variant)			
1	POWERTRAC - 434	23.5 kW @ 2200 Engine rpm	23.5 kW @ 2200 Engine rpm
2	POWERTRAC - 434 XL		
3	POWERTRAC - 434 VM		
4	434 E3 (BRAND: POWERTRAC)		
5	434 E4 (BRAND: POWERTRAC)		
6	FARMTRAC - 30 HERO		
7	FARMTRAC - HERO		
8	FARMTRAC - 30 HERO E1		

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Vehicle Type		Agricultural Tractor	
Plant		Faridabad	
S. No.	Tractors Models	Declared Max. PTO Power (kW)	Declared Rated PTO Power (kW)
Engine Model: E3.215-3A(Variant)			
9	FARMTRAC - 30 HERO V1	23.5 kW @ 2200 Engine rpm	23.5 kW @ 2200 Engine rpm
10	FARMTRAC - HERO VM		
11	FARMTRAC - HERO AM		
12	FARMTRAC - 30 HERO LM		
13	FARMTRAC - 30 HERO SM		
14	434 DS (BRANDNAME:-POWERTRAC)		
15	434 DS E1 (BRANDNAME:-POWERTRAC)		
16	430 E1 (BRANDNAME:-POWERTRAC)		
17	430 (BRAND NAME: - POWERTRAC)		
18	430 E2 (BRAND NAME: - POWERTRAC)		
19	430 E3 (BRANDNAME:-POWERTRAC)		
20	430 E4 (BRANDNAME:-POWERTRAC)		
21	434 DS E2 (BRANDNAME:-POWERTRAC)		
Engine Model: AE4.286A-3A(Variant)			
1	POWERTRAC - 4455 DX	31.62 kW @ 2200 Engine rpm	31.62 kW @ 2200 Engine rpm
2	POWERTRAC 4455 DX T		
3	POWERTRAC 4455 DX SC		
4	POWERTRAC 4455 DS PLUS		
Engine Model: AE4.312A-3A(Variant)			
1	POWERTRAC 4455 BT	32.8 kW @ 2200 Engine rpm	32.8 kW @ 2200 Engine rpm
2	POWERTRAC 4455 BT UM		
3	POWERTRAC 4455 BT SM		
4	POWERTRAC 4455 BT AM		
5	POWERTRAC 4455 BT VM		
6	POWERTRAC 4455 BT LM		
7	POWERTRAC 4455 DS PLUS EURO	33.3 kW @ 2200 Engine rpm	33.3 kW @ 2200 Engine rpm
8	POWERTRAC 4455 DS PLUS EURO AM		
9	POWERTRAC 4455 DS PLUS EURO VM		
10	POWERTRAC 4455 DS PLUS EURO LM		
11	POWERTRAC 4455 DS PLUS EURO SM		
12	POWERTRAC 4455 DS PLUS EURO UM		
13	POWERTRAC 4455 DS PLUS AM		
14	POWERTRAC 4455 DS PLUS VM		

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Vehicle Type		Agricultural Tractor	
Plant		Faridabad	
S. No.	Tractors Models	Declared Max. PTO Power (kW)	Declared Rated PTO Power (kW)
Engine Model: AE4.312C-3A(Variant)			
1	Escorts 6055 ECEL	33.18 kW @ 2200 Engine rpm	33.18 kW @ 2200 Engine rpm
Engine Model: E3.215C-3A (Variant)			
1	434 E2 (BRAND: POWERTRAC)	19.5 kW @ 2200 Engine rpm	19.5 kW @ 2200 Engine rpm
2	434 E3 (BRAND: POWERTRAC)		
3	434 E4 (BRAND: POWERTRAC)		
4	434 E5 (BRAND: POWERTRAC)		
5	434 E6 (BRAND: POWERTRAC)		
6	434 E7 (BRAND: POWERTRAC)		
Engine Model: E3.234A-3A (Variant)			
1	434 E7 (BRAND NAME :- POWERTRAC)	23.3 kW @ 2000 Engine rpm	23.3 kW @ 2000 Engine rpm
2	434 E8 (BRAND NAME :- POWERTRAC)		
3	434 E9 (BRAND NAME :- POWERTRAC)		
4	434 E10 (BRAND NAME :- POWERTRAC)		
5	434 E11 (BRAND NAME :- POWERTRAC)		
6	434 E12 (BRAND NAME :- POWERTRAC)		
7	434 E14 (BRAND NAME :- POWERTRAC)		
8	434 E15 (BRAND NAME :- POWERTRAC)		
9	434 E16 (BRAND NAME :- POWERTRAC)		
10	434 E17(BRAND NAME:- POWERTRAC)		
11	HERO F6 (BRAND NAME:- FARMTRAC)		
12	HERO F7 (BRAND NAME:- FARMTRAC)		
13	HERO F8 (BRAND NAME:- FARMTRAC)		
14	HERO F9 (BRAND NAME:- FARMTRAC)		
15	HERO F10 (BRAND NAME:- FARMTRAC)		
16	FARMTRAC HERO F6		
17	FARMTRAC HERO F7		
18	FARMTRAC HERO F8		
19	FARMTRAC HERO F9		
20	FARMTRAC HERO F10		
21	CHAMPION 11 (BRAND NAME : FARMTRAC)		
22	CHAMPION F11 (BRAND NAME : FARMTRAC)		
23	CHAMPION F16 (BRAND NAME : FARMTRAC)		
24	CHAMPION F17 (BRAND NAME : FARMTRAC)		
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Vehicle Type		Agricultural Tractor		
Plant		Faridabad		
S. No.	Tractors Models	Declared Max. PTO Power (kW)	Declared Rated PTO Power (kW)	
Engine Model: E3.234A-3A (Variant)				
25	CHAMPION F18 (BRAND NAME : FARMTRAC)	23.3 kW @ 2000 Engine rpm	23.3 kW @ 2000 Engine rpm	
26	CHAMPION F19 (BRAND NAME : FARMTRAC)			
27	STEELTRAC 35			
28	STEELTRAC 35 S1			
29	STEELTRAC 35 S2			
30	STEELTRAC 35 S3			
31	STEELTRAC 35 S4			
32	STEELTRAC 35 S5			
33	STEELTRAC 35 S6			
34	ST 35			
35	ST 35 S1			
36	ST 35 S2			
37	ST 35 S3			
38	ST 35 S4			
39	ST 35 S5			
40	ST 35 S6			
41	434 E18 (BRAND NAME :- POWERTRAC)			
42	CHAMPION 35 (BRAND NAME : FARMTRAC)			
43	CHAMPION F26 (BRAND NAME : FARMTRAC)			
Engine Model: E3.234B-3A (Variant)				
1	439 E8 (BRAND NAME :- POWERTRAC)	25.9 kW @ 2000 engine rpm	25.9 kW @ 2000 engine rpm	
2	439 E9 (BRAND NAME :- POWERTRAC)			
3	439 E10 (BRAND NAME :- POWERTRAC)			
4	439 E11 (BRAND NAME :- POWERTRAC)			
5	439 E12 (BRAND NAME :- POWERTRAC)			
6	439 E14 (BRAND NAME :- POWERTRAC)			
7	439 E15 (BRAND NAME :- POWERTRAC)			
8	439 E16 (BRAND NAME :- POWERTRAC)			
9	439 E17 (BRAND NAME :- POWERTRAC)	25.0 kW @ 2000 engine rpm	25.0 kW @ 2000 engine rpm	
10	439 E18 (BRAND NAME :- POWERTRAC)			
11	CHAMPION 38 (BRAND NAME : FARMTRAC)	25.9 kW @ 2000 engine rpm	25.9 kW @ 2000 engine rpm	
12	HERO F2 (BRAND NAME : FARMTRAC)			
13	HERO F3 (BRAND NAME : FARMTRAC)			
14	HERO F4 (BRAND NAME : FARMTRAC)			
15	HERO F5 (BRAND NAME : FARMTRAC)			
16	CHAMPION 38 F1 (BRAND NAME : FARMTRAC)			
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Vehicle Type		Agricultural Tractor	
Plant		Faridabad	
S. No.	Tractors Models	Declared Max. PTO Power (kW)	Declared Rated PTO Power (kW)
Engine Model: E3.234B-3A (Variant)			
17	CHAMPION 38 F2 (BRAND NAME : FARMTRAC)	25.9 kW @ 2000 engine rpm	25.9 kW @ 2000 engine rpm
18	CHAMPION 38 F3 (BRAND NAME : FARMTRAC)		
19	CHAMPION 38 F4 (BRAND NAME : FARMTRAC)		
20	FARMTRAC CHAMPION 38		
21	CHAMPION F6 (BRAND NAME : FARMTRAC)		
22	CHAMPION F7 (BRAND NAME : FARMTRAC)		
23	CHAMPION F8 (BRAND NAME : FARMTRAC)		
24	CHAMPION F9 (BRAND NAME : FARMTRAC)		
25	CHAMPION F10 (BRAND NAME : FARMTRAC)	25.0 kW @ 2000 engine rpm	25.0 kW @ 2000 engine rpm
26	CHAMPION F12 (BRAND NAME : FARMTRAC)		
27	CHAMPION F14 (BRAND NAME : FARMTRAC)		
28	CHAMPION F15 (BRAND NAME : FARMTRAC)		
29	STEELTRAC 38	25.9 kW @ 2000 Engine rpm	25.9 kW @ 2000 Engine rpm
30	STEELTRAC 38 S1		
31	STEELTRAC 38 S2		
32	STEELTRAC 38 S3		
33	STEELTRAC 38 S4		
34	STEELTRAC 38 S5		
35	STEELTRAC 38 S6		
36	ST38		
37	ST 38 S1		
38	ST 38 S2		
39	ST 38 S3		
40	ST 38 S4		
41	ST 38 S5		
42	ST 38 S6		
43	434 E21 (BRAND NAME : POWERTRAC)		
44	434 E22 (BRAND NAME : POWERTRAC)		
45	434 E23 (BRAND NAME : POWERTRAC)		
46	434 E24 (BRAND NAME : POWERTRAC)		
47	434 E25 (BRAND NAME : POWERTRAC)		
48	434 E26 (BRAND NAME : POWERTRAC)		
49	434 E27 (BRAND NAME : POWERTRAC)		

(SM=SUPERMAXX,AM=AGMAXX,VM=VALUEMAXX, LM=LOADMAXX,UM=ULTRAMAXX,IM=INFRAMAXX)

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Vehicle Type		Agricultural Tractor	
Plant		Faridabad	
S. No.	Tractors Models	Declared Max. PTO Power (kW)	Declared Rated PTO Power (kW)
Engine Model: E3.234B-3A (Variant)			
50	434 E28 (BRAND NAME : POWERTRAC)	25.9 kW @ 2000 Engine rpm	25.9 kW @ 2000 Engine rpm
51	434 E29 (BRAND NAME : POWERTRAC)		
52	434 E30 (BRAND NAME : POWERTRAC)		
53	437 E1 (BRAND NAME : POWERTRAC)		
54	437 E2 (BRAND NAME : POWERTRAC)		
55	437 E3 (BRAND NAME : POWERTRAC)		
56	437 E4 (BRAND NAME : POWERTRAC)		
57	39 (BRAND NAME : FARMTRAC)		
58	39 F1 (BRAND NAME : FARMTRAC)		
59	EURO 439 E2 (BRAND NAME : POWERTRAC)	25.7 kW @ 2000 Engine rpm	25.7 kW @ 2000 Engine rpm
60	EURO 439 E3 (BRAND NAME : POWERTRAC)		

ANNEXURE - II

S. NO.	Variant Engine Models	Engine Power	Capacity (cm ³)
1	E3.215-3A	25.0 kW @ 2200 rpm	2146
2	E3.215D-3A	27.2 kW @ 2200 rpm	
3	E3.215C-3A	22.4 kW @ 2200 rpm	
4	AE4.286A-3A	36.9 kW @ 2200 rpm	2860
5	AE4.312A-3A		3120
6	AE4.312B-3A		
7	AE4.312C-3A		
8	E3.234A-3A	25.7 kW @ 2000 rpm	2339
9	E3.234B-3A	28.3 kW @ 2000 rpm	

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