



700
S E R I E S

FY 3248 ProShift 16 Air



* Illustration may contain items not standard to the model

8 x 4 Truck Chassis

KEY FEATURES

- ProShift 16 Automated Manual Transmission
- Jacobs Type Engine Brake
- Integrated FUP
- Heated & Electrically Operated External Mirrors
- Cruise Control
- ISRI 6860 Drivers Seat with Integrated Safety Belt
- Drivers SRS Airbag

KEY SPECIFICATIONS

GVM.	32,000kg
GCM.	72,000kg
Power.	353kW @ 1800 RPM
Torque	2157Nm @ 1100 RPM
Transmission	ZF AS TRONIC
Wheelbase.	.5955mm





FY 3248 ProShift 16 Air

FYIEULG-VXA FY 3248 Proshift 16 Air

Engine, Driveline & Chassis specifications

ENGINE

Model	Hino E13C VG
Max. output (ISO NET)	353kW (480 PS) at 1800rpm
Max. output (JIS GROSS)	360kW (490 PS) at 1800rpm
Max. torque (ISO NET)	2157Nm at 1100rpm
Max. torque (JIS GROSS)	2197Nm at 1100rpm
Max. engine speed.	1900rpm
Engine compliance.	ADR 80/03
Type	Diesel, turbo charged & inter-cooled, 6 cylinder in-line, overhead camshaft
Combustion system	Direct injection type with Cooled-EGR
Bore & stroke	137 x 146mm
Piston displacement	12.913L
Compression ratio	17.0:1
Engine oil capacity	37.0L
Engine coolant capacity	27.4L
Fuel injection pump	Electronic control common rail
Governor	Electric
Air cleaner.	Dual paper elements
Air compressor	Single cylinder, water cooled
Bore & stroke	95 x 70mm
Exhaust.	Horizontal outlet with SCR
Emission Control System	EGR & SCR meeting ADR 80/03 using Euro 5 STD

CLUTCH

Model	CS-430 Series
Type	Dry single plate with damper springs
Control	Automated & Auto adjusting
Facing material	Moulded
Facing diameter.	430mm

TRANSMISSION

ProShift 16	Automated Manual Transmission
Model	ZF AS TRONIC
Type	ZF AMT 16 Forward, 2 Reverse
Code	16 AS 2630 TO
Control	Electronic
Final drive ratio	3.9:1

	Low	High
1st	14.120	11.677
2nd	9.539	7.889
3rd	6.521	5.393
4th	4.565	3.776
5th	3.093	2.558
6th	2.089	1.728
7th	1.428	1.181
8th	1.000	0.827
Rev.	13.704	10.812

PERFORMANCE

Engine RPM @ 100km/h	1693
Max theoretical speed (km/h)	112
Vehicle electronically speed limited to 100km/h	
Gradeability Tan θ (%) @ GCM	31

BRAKES

Type	Full air, dual circuit, "S" cam type, leading & trailing shoes for front & rear with auto slack adjuster
Size	Front 406.4 x 152mm Rear 410.4 x 216mm
Air drier.	Equipped
ABS	Equipped
Trailer brake control	Hand control on dash
Park brake.	Spring brake acting on 2nd and 3rd axles
Engine brake	Engine compression brake equipped

AXLE LOAD & TYPE

Axle load limit	Front axle 15,000kg Rear axle 21,000kg
Front axle type	2 x MF781 series, Reversed Elliot, section I-Beam
Rear axle type	THD18 tandem axle, dual drive with inter-axle differential lock, full-floating single reduction, single-speed by hypoid
Rear rear axle	Cross lock fitted

SUSPENSION

Front suspension Type	Semi-elliptic tapered leaf springs with shock absorbers & stabiliser
Size	1700 x 90mm
Rear suspension Type	Hendrickson HAS airbag suspension with double-acting shock absorbers
Capacity	21,000kg

WHEELS & TYRES

Wheel type	10 stud disc wheels (ISO 335 PCD)
Rim size	22.5 x 8.25- offset 165mm
Tyre size	275/70R 22.5 152/148
Number of tyres.	12
Tools included	Wheelbrace and jack

FUEL TANK

Type	Square aluminium
Volume	400L
Fuel pre-filter & sedimenter	Equipped
Locking fuel cap	Equipped
Ad Blue tank capacity.	28L



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Cab equipment & Instrumentation

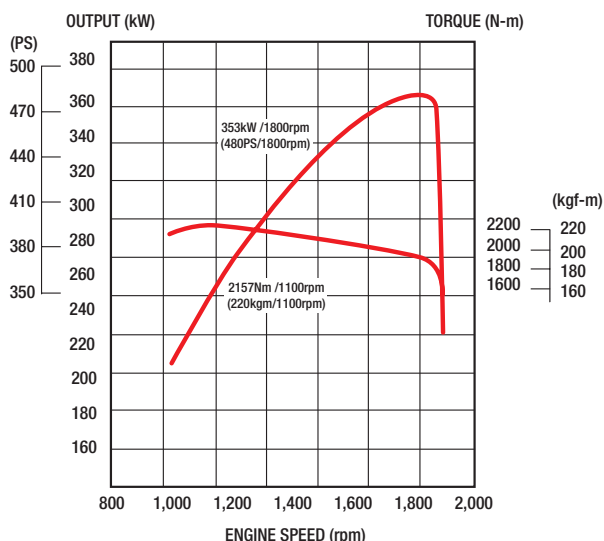
CAB DETAILS

Type	Forward control, all steel welded construction, full-floating air-suspension cab with electrical tilting mechanism
ECER29 Cab strength	Compliant
Driver SRS Airbag	Equipped
Front Underrun Protection	Equipped
Seating capacity	3
Driver's seat	ISRI 6860 Urethane foam pads, high-back, lumbar support, Multi adjustable, air suspended, with integrated Safety Belt
Passenger seat	Urethane foam pads, high back & reclining seat with fabric cover
Centre console	Equipped
Seat belts	3-point type on driver's & side passenger seats
Rear view mirrors	2 external electrically controlled, flat type mirrors with heaters and spotters
Windshield wipers	Electric, triple-arm, with intermittent & 2 speed control
Sun visor & overhead console	Equipped
Centre overhead console	Equipped
Cigarette lighter (24 volt)	Equipped
Ventilator	Forced type with electric blower
Heater & defroster	Equipped
Air conditioner	Equipped
Sleeper berth	Single, with blackout curtains
Audio	DAB+ AM/FM radio / CD & DVD player with Bluetooth
Speakers	Driver, passenger & centre
Floor mat	Vinyl mat
Front air spoiler	Equipped
Cab step	Equipped
Trim	Full trim type / side roof back
Electric power windows	Both sides
Electric door lock	Remote control keyless entry
Cab pockets	Both door sides & passenger seat
Electrical converter	12V (harness type)
Cruise Control	Equipped

ELECTRICAL

Type	24 volts, negative earth
Batteries	12V x 2 series connection
Capacity	150Ah at 20 hour rate
Alternator	Brushless type 24V, 90A with built-in rectifier & voltage regulator
Starter	24V, 6.0kW
Lamps	Headlamps, fog lamps, cornering lamps, room lamp (fluorescent lamp), map lamp

POWER & TORQUE CHART (ISO NET) E13C VG



INSTRUMENTS

- Meters and gauges**
 - Speedometer with trip meter
 - Odometer
 - Fuel gauge
 - Tachometer
 - Coolant temperature gauge
- Switches**
 - Lights
 - Indicators, dimmer & passing
 - Wiper & washer
 - Hazard lamp
 - Fog lamp
 - Room lamp
 - Warning lamp check
 - Map lamp
 - Differential lock
 - Rear rear differential cross lock
 - Mirror heating
 - Economy running
 - Cruise Control
- Warning, pilot lamps and buzzers**
 - Engine oil pressure warning lamp & buzzer
 - Air pressure warning lamp & buzzer
 - High beam indicator lamp
 - Turn signal indicator lamp
 - Parking brake indicator lamp
 - Coolant level warning lamp & buzzer
 - Differential lock indicator lamp
 - Engine over-run warning buzzer
 - Battery charging indicator lamp
 - Fuel filter water level warning lamp
 - Transmission splitter range
 - ABS warning lamp
 - Trailer brake indicator lamp
- Others**
 - One key starting-stopping
 - Horn button
 - Idle up control knob

STEERING

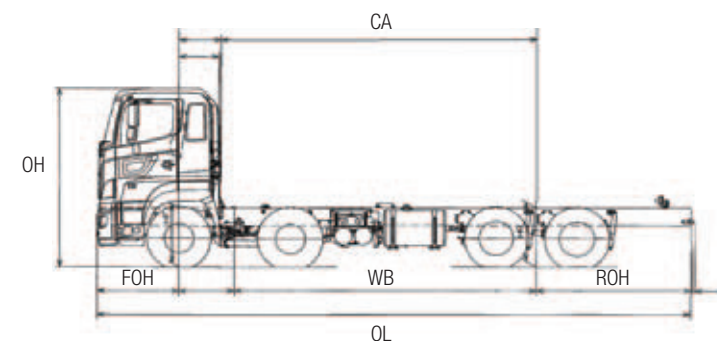
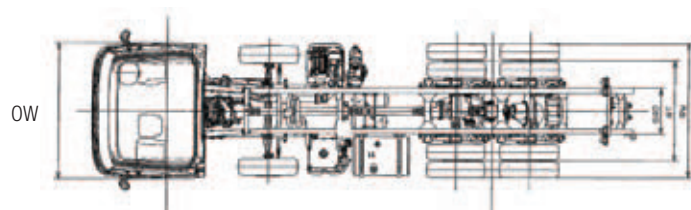
Steering column	Telescopic & tilt with locking device
Steering box	Recirculating ball with Integral Power Steering
Gear ratio	24.1 - 23.8 - 1

CHASSIS FRAME

Type	Ladder-shaped channel section side rails
Rear chassis width	840mm
Size	300 x 90 x 8.0mm
Tensile strength	620N/mm ² (63kgf/mm ²)
Hook	Equipped for front
Front Underrun Protection	Equipped



FY 3248 ProShift 16 Air Dimensions



DIMENSIONS – mm / Capacities

Model	Hino FY 3248 ProShift 16 Air
Product code	FY1EULG-VXA
Wheelbase (WB)	5955
Front axle spread	1850
Rear axle spread	1330
Overall length (OL)	9885
Overall width (OW)	2490
Overall height (OH)	3045
Cab to rear axle centre (CA)	5245
Front overhang (FOH)	1380
Rear overhang (ROH)	2560
Front chassis height	1040
Rear chassis height	1045
Front track	2050
Rear track	1840
Road clearance (at diff. case)	210
Turning circle (kerb to kerb)	23,400
Turning circle (wall to wall)	25,000
Chassis mass – kg (standard tools, 10 litres of fuel, without spare tyre)	
Total	9260
Front	6280
Rear	2980
GVM	32,000
GCM	72,000

WARRANTIES

New vehicle warranty period

Heavy Duty Model	Axle configuration	Standard warranty (whichever comes first)	Engine & Powerlines (whichever comes first)
700 FY 3248 ProShift 16 Air	8 x 4	24 months or 250,000km	36 months or 250,000km

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