

Model 421 ES / 422 ES



POWERFUL

38-45 HP

AIR COOLED ENGINE

Suitable for Industrial, Agricultural, Marine & other applications

TECHNICAL SPECIFICATION

Starting	Self Start
No. of Cylinders	3
Bore & Stroke	100 x 125mm
Aspiration	Natural
RPM (421 / 422)	2150 / 1500
BHP (kW) (421 / 422)	45 (33) / 38 (27.9)
Compression Ratio	17.1 : 1
Governing as per IS: 10000 - 1980 Part - VII	Mechanical - Class A2
Rotation (When seen from fly wheel end)	Anti clockwise
Specific Fuel Consumption (At Full Load)	(421) 174 gms/bhp/hrs (422) 160 gms/bhp/hrs
Lub. Oil Consumption	<0.5 gms/bhp/hr
Net Engine weight with Fly wheel (without oil & accessories) (421 / 422)	405kg / 445kg
Engine Size - (L x W x H)	(421) 767 x 848 x 1860 mm (422) 820 x 848 x 1860 mm
Fuel Tank Capacity	40 Ltrs

* As on 01-08-2012

Model 422 TC



POWERFUL

46 HP

AIR COOLED ENGINE

Suitable for Industrial, Agricultural, Marine & other applications

TECHNICAL SPECIFICATION

Starting	Self Start
No. of Cylinders	3
Bore & Stroke	100 x 125mm
Aspiration	Turbo
RPM	1500
BHP (kW)	46 (34)
Compression Ratio	17.0 : 1
Governing as per IS: 10000 - 1980 Part - VII	Mechanical - Class A1
Rotation (When seen from fly wheel end)	Anti clockwise
Specific Fuel Consumption (At Full Load)	<160 gms/bhp/hrs
Lub. Oil Consumption	<0.19 gms/bhp/hr
Net Engine weight with Fly wheel (without oil & accessories)	415kg
Engine Size - (L x W x H)	855 x 714 x 1108 mm
Fuel Tank Capacity	40 Ltrs

* As on 01-08-2012

Model 422 TCI



POWERFUL

56 HP

AIR COOLED ENGINE

Suitable for Industrial, Agricultural, Marine & other applications

TECHNICAL SPECIFICATION

Starting	Self Start
No. of Cylinders	3
Bore & Stroke	100 x 125mm
Aspiration	TCI
RPM	1560
BHP (kW)	56 (41.3)
Compression Ratio	17 : 01
Governing as per IS: 10000 - 1980 Part - VII	Mechanical - Class A1
Rotation (When seen from fly wheel end)	Anti clockwise
Specific Fuel Consumption (At Full Load)	152 ± 5% gms/bhp/hr
Lub. Oil Consumption	<0.2 gms/bhp/hr
Net Engine weight with Fly wheel (without oil & accessories)	503 kg
Engine Size - (L x W x H)	1018 x 725 x 1010 mm
Fuel Tank Capacity	40 Ltrs

* As on 01-08-2012



- AIR COOLED
- TURBO CHARGED
- LOW FUEL CONSUMPTION
- MOST RELIABLE
- VALUE FOR MONEY
- MULTI APPLICATION

EICHER ENGINES

(A unit of TAFE Motors and Tractors Limited, a wholly owned subsidiary of TAFE)

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- Secundrabad (040-32426652)
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- Ahmedabad (079-30028956)

Authorised Dealer :



* As per the company's policy of continuous improvement, the specifications given above are subject to change from time to time without notice.

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EICHER DIESEL ENGINE RANGE



Economical & Powerful Engines

Model 142 HS / ES



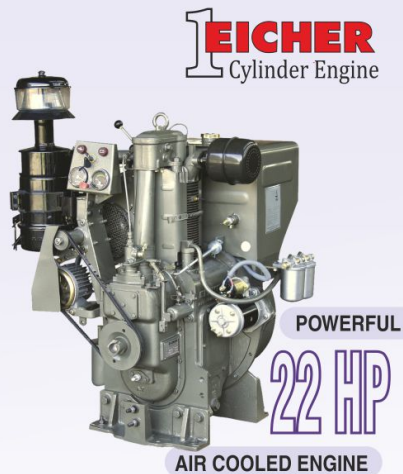
Suitable for Industrial, Agricultural,
Marine & other applications

TECHNICAL SPECIFICATION

Starting	Self Start / Handle Start
No. of Cylinders	1
Bore & Stroke	100 x 125mm
Aspiration	Natural
RPM	1500
BHP (kW)	12 (8.9)
Compression Ration	17 ± 0.5 : 1
Governing as per IS: 10000 - 1980 Part - VII	Mechanical - Class A1
Rotation (When seen from fly wheel end)	Anti clockwise
Specific Fuel Consumption (At Full Load)	157 gms/bhp/hr
Lub. Oil Consumption	<0.2 gm/bhp/hr
Net Engine weight with Fly wheel (without oil & accessories)	250 kg
Engine Size - (L x W x H)	634 x 736 x 1046 mm
Fuel Tank Capacity	12.5 Ltrs

* As on 01-01-2014

Model 222 HS / ES



Suitable for Industrial, Agricultural,
Marine & other applications

TECHNICAL SPECIFICATION

Starting	Self Start / Handle Start
No. of Cylinders	1
Bore & Stroke	115 x 150mm
Aspiration	Natural
RPM	1500
BHP (kW)	20 (14.7)
Compression Ration	17.2 : 1
Governing as per IS: 10000 - 1980 Part - VII	Mechanical - Class A2
Rotation (When seen from fly wheel end)	Anti clockwise
Specific Fuel Consumption (At Full Load)	175 gms/bhp/hr
Lub. Oil Consumption	<0.5 gms/bhp/hr
Net Engine weight with Fly wheel (without oil & accessories)	345kg
Engine Size - (L x W x H)	664 x 798 x 1288 mm
Fuel Tank Capacity	30 Ltrs

* As on 01-04-2010

Model 321 ES / 322 ES



Suitable for Industrial, Agricultural,
Marine & other applications

TECHNICAL SPECIFICATION

Starting	Self Start
No. of Cylinders	2
Bore & Stroke	100 x 125mm
Aspiration	Natural
RPM (321 / 322)	2000 / 1500
BHP (kW) (321 / 322)	32 (23.5) / 24 (17.6)
Compression Ration	17.1 : 1
Governing as per IS: 10000 - 1980 Part - VII	Mechanical - Class A2
Rotation (When seen from fly wheel end)	Anti clockwise
Specific Fuel Consumption (At Full Load)	(321) 165 gms/bhp/hrs (322) 164 gms/bhp/hrs
Lub. Oil Consumption	<0.5 gms/bhp/hr
Net Engine weight with Fly wheel (without oil & accessories) (321 / 322)	320kg / 360kg
Engine Size - (L x W x H)	(321) 607 x 848 x 1860 mm (322) 660 x 848 x 1860 mm
Fuel Tank Capacity	40 Ltrs

* As on 01-08-2012

Model 323 ES



Suitable for Industrial, Agricultural,
Marine & other applications

TECHNICAL SPECIFICATION

Starting	Self Start
No. of Cylinders	2
Bore & Stroke	100 x 125mm
Aspiration	Natural
RPM	1500
BHP (kW)	26 (19.1)
Compression Ration	17.1 : 1
Governing as per IS: 10000 - 1980 Part - VII	Mechanical - Class A1
Rotation (When seen from fly wheel end)	Anti clockwise
Specific Fuel Consumption (At Full Load)	164 gms/bhp/hrs
Lub. Oil Consumption	<0.2 gms/bhp/hr
Net Engine weight with Fly wheel (without oil & accessories)	370kg
Engine Size - (L x W x H)	733 x 891 x 1860 mm
Fuel Tank Capacity	40 Ltrs

* As on 01-12-2013

MULTI FUNCTIONAL ENGINE

- Brick Kiln
- ID Fan / Coal Crusher /
- Pug Mill / Submersible Pump
- Hot Mix Concrete Mixer
- Water Pumping (Sprinkler)
- Rice Hauler / Rice Plant
- Atta Chakki/Oil Expeller
- Saw Mill
- Boring Machine
- Dewatering Pump

and many more