LISTER

T Series

TR1 G-Build Engine

TR1

Power range: 5.5—7.4 kW; 7.4—9.9 bhp Fixed speeds: 1500, 1800 r/min

Reliable, durable single-cylinder air-cooled G-Build diesel engines

Special Attributes

- √ suitable for generating sets
- √ designed for continuous operation in ambient temperatures up to 52°C (122°F)
- oil cooling by means of air flow over deep crankcase finning

Basic Engine Characteristics

- diesel fuelled
- direct injection
- single cylinder
- air cooled
- naturally aspirated
- electric start (hand start optional)

Design Features and Equipment

- medium duty air cleaner*
- inlet and exhaust manifolds
- fuel injection pump and self-vent fuel system
- fuel filter
- fuel lift pump*
- self-regulating plunger type lubricating oil pump
- spin-on lubricating oil filter
- decompressor lever
- flywheel with cooling fan
- SAE 4 flywheel housing
- mechanical governing
- 12V starter motor*
- safety switches*
- fuel control solenoid (energised to run)*
- standard skid base packing
- 250 hour service intervals
- operators' handbook



Emissions

Complies with EU Stage 3A emissions regulations.

Optional Items

■ 12V battery charge alternator

See also items with asterisk under Design Features and Equipment.

A range of options allows you to select a specification that matches your requirements; please consult your Lister Petter distributor.

Power Outputs			
Power	r/min	1500	1800
0	kW	5.5	6.7
Continuous	bhp	7.4	9.0
Intermittent	kW	6.1	7.4
(Fuel Stop)	bhp	8.2	9.9

Approximate Dimensions and Weight ¹				
Drywoidht	kg	133	e^+	
Dry weight -	lb	337		
Length (A):	mm	698		
no fuel tank	in	17.5		C
Width (D)	mm	444		
Width (B)	in	20.51		
Hoight (C)	mm	683		
Height (C)	in	26.88	- A -	В

Technical Data

Direct

1

Natural

Rating	(Defi	nitions,	to IS	60 3046
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ISO Standard Conditions

Barometric pressure	100 kPa
Relative humidity	30%
Ambient temperature at air inlet manifold	25°C

Fixed speed power: continuous power (ICN)

The power in kW which the engine is capable of delivering continuously at the s conditions, meas accessories, prov tained in good op Class A1 or A2, a specification and Lister Petter Limi

Fixed speed p

The maximum p delivering interm period not excee continuous runni ous power, under sions specified for

De-rating

For non-standard to relevant BS, IS

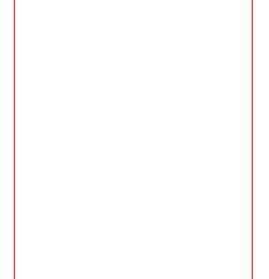
Notes: 1. Power ply to a fully ru absorbing acce The overload ca hours. 3. Exclud

ca power. continuous power (rort)	•		
kW which the engine is capable of delivering con-	Direction of rotation looking on flywheel end		Anticlockwise
the stated crankshaft speed, under ISO standard measured at the flywheel without power-absorbing provided that the engine is overhauled and maind operating condition and that fuel to BS EN 590 A2, and lubricating oils to the correct performance and viscosity classification as recommended by Limited, are used. **ed power: overload power (ICXN)** un power in kW which the engine is capable of termittently at the stated crankshaft speed for a xceeding one hour in any period of twelve hours' running, immediately after working at the continuander ISO standard conditions and with the provied for continuous power above.	Newsing a crimelar have	mm	98.42
	Nominal cylinder bore	in	3.875
	Stroke	mm	101.6
		in	4.0
	Total cylinder capacity	litre	0.773
		in ³	47.17
	Compression ratio		15.5:1
	Minimum idling speed	r/min	850
	Number of flywheel ring gear teeth		110
	Crankshaft end thrust (maximum continuous)	kgf	132
		lbf	290
ndard site conditions, reference should be made 3S, ISO and DIN standards.	Crankcase vacuum (minimum)	mbar	2.0
	Crankcase vacuum (miiimum)	in H ₂ O	0.8
Power ratings measured at the flywheel ap- ly run-in, non derated engine without power accessories or transmission equipment. 2. ad capability applies to a fully run-in engine.	Cyankana yangan (ayaya sa)	mbar	3.5
	Crankcase vacuum (average)	in H ₂ O	1.4
	Lubricating oil pressure (mean)	bar	2.0
ally attained after a running period of about 50 cluding radiator.	with the oil at 110°C (230°F)	lbf ft ²	29
-			
Distributor's Address			

Type of fuel injection

Number of cylinders

Aspiration



Lister Petter have made efforts to ensure that the information in this data sheet is accurate but reserve the right to amend specifications and information without notice and without obligation or liability.



UK

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