- Product Data -



Name **Application Group** Dataset

12V1600B30S 3B Ref. 25°C/- ; Bifrequency - 50 Hz dataset

Speed [rpm]	1500/1800
Nominal power [kW]	524/561
Nominal power [bhp]	703/752
Frequency [Hz]	50/60

Exhaust Regulations

Fuel-consumption optimized;

Reference conditions

No.	Description	Index	Value	Unit
6	Intake air temperature		25	°C
8	Barometric pressure		1000	mbar
9	Site altitude above sea level		100	m

0. Data-relevant engine design configuration

No.	Description	Index	Value	Unit
0	Engine rated speed switchable		×	
8	(1500/1800 rpm)		^	-
12	Engine without sequential turbocharging		×	
12	(turbochargers without cut-in/cut-out control)		^	-
31	Engine with air-cooled charge air		х	-

1. Power-related data

No.	Description	Index	Value	Unit
1	Engine rated speed	A	1500	rpm
3	Mean piston speed		7.5	m/s
1	Continuous power ISO 3046 (10% overload capability)	•	524	kW
4	(design power DIN 6280, ISO 8528)	A	524	ĸvv
5	Fuel stop power ISO 3046	А	576	kW
0	Mean effective pressure (MEP)		19.96	har
0	(Continuous power ISO 3046)		19.90	bar
0	Mean effective pressure (MEP)		21.92	her
9	(Fuel stop power ISO 3046)		21.92	bar

2. General Conditions (for maximum power)

No.	Description	Index	Value	Unit
1	Intake air depression (new filter)	А	25	mbar
2	Intake air depression, max.	L	50	mbar
3	Exhaust back pressure	А	85	mbar
4	Exhaust back pressure, max.	L	150	mbar
5	Fuel temperature at fuel feed connection	R	38	°C
0	Fuel temperature at fuel feed connection, max.		60	°C
9	(w/o power reduction)	L	80	C
10	Fuel temperature at fuel feed connection, max.	L	70	°C
49	Max. ambient temperature in direct vicinity		55	°C
49	of vibration damper	L	55	C

3. Consumption

No.	Description	Index	Value	Unit
17	Specific fuel consumption (be) - 100 % CP (+ 5 %; EN 590; 42.8 MJ/kg)	R	192	g/kWh
	(+ 5 %, EN 590, 42.8 IVIJ/Kg)			

 BL Reference value: fuel stop power

 Maximum engine power that cannot be run continuously on some applications (stabilization reserve)

 DL Reference value: continuous power

 Engine power that can be run continuously under standard conditions

Actual value must be greater than specified value
Actual value must be less than specified value

 X
 Applicable

 The module is valid for this product type

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Adequate verification not yet available (tolerance +/-10%)
^{an} Adequate verification not yet available (tolerance +/-5%)

- Product Data -



Name **Application Group** Dataset

12V1600B30S 3B Ref. 25°C/- ; Bifrequency - 50 Hz dataset

Speed [rpm]	1500/1800
Nominal power [kW]	524/561
Nominal power [bhp]	703/752
Frequency [Hz]	50/60

Exhaust Regulations

Fuel-consumption optimized;

18	Specific fuel consumption (be) - 75 % CP	R	199	g/kWh
	(+ 5 %; EN 590; 42.8 MJ/kg)			<u>,</u>
19	Specific fuel consumption (be) - 50 % CP	R	207	g/kWh
	(+ 5 %; EN 590; 42.8 MJ/kg)			6/ 100
20	Specific fuel consumption (be) - 25 % CP	R	227	g/kWh
20	(+ 5 %; EN 590; 42.8 MJ/kg)	N	227	g/ K V V I I
56	Specific fuel consumption (be) - 100 % FSP		102	- //
50	(+ 5 %; EN 590; 42.8 MJ/kg)	R	192	g/kWh
57	Specific fuel consumption (be) - 75 % FSP	R	197	- /I.) A /b
57	(+ 5 %; EN 590; 42.8 MJ/kg)	к	197	g/kWh
58	Specific fuel consumption (be) - 50 % FSP		206	= /I.) A /b
50	(+ 5 %; EN 590; 42.8 MJ/kg)	R	208	g/kWh
59	Specific fuel consumption (be) - 25 % FSP		223	- /1.24/1-
59	(+ 5 %; EN 590; 42.8 MJ/kg)	R	225	g/kWh
73	No-load fuel consumption	R	2.1	kg/h
61	Lube oil consumption after 100 h of operation	R	<0.2	0/ of D
01	(B = fuel consumption per hour)	к	<0.2	% of B
62	Lube oil consumption after 100 h of operation, max.		-0 F	0/ - f D
02	(B = fuel consumption per hour)	L	<0.5	% of B

4. Model-related data (basic design)

No.	Description	Index	Value	Unit
3	Engine with exhaust turbocharger (ETC) and intercooler		Х	-
4	Exhaust piping, non-cooled		Х	-
33	Working method: four-cycle, diesel, single-acting		Х	-
34	Combustion method: direct injection		Х	-
36	Cooling system: conditioned water		Х	-
37	Direction of rotation: c.c.w. (facing driving end)		Х	-
6	Number of cylinders		12	-
7	Cylinder configuration: V angle		90	degrees (°)
10	Bore		122	mm
11	Stroke		150	mm
12	Displacement, cylinder		1.75	liter
13	Displacement, total		21.0	liter
14	Compression ratio		17.5	-
41	Cylinder liners: wet, replaceable		Х	-
24	Number of inlet valves, per cylinder		2	-
25	Number of exhaust valves, per cylinder		2	-
15	Number of turbochargers		2	-
28	Standard flywheel housing flange (engine main PTO)		01	SAE
43	Flywheel interface (DISC)		14"	-

5. Combustion air / exhaust gas

No.	Description	Index	Value	Unit
19	Charge-air temperature before cylinder	А	50	°C
33	Charge-air flow through external air-to-air intercooler	А	0.33	m³/s

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 Maximum engine power that cannot be run continuously on some applications (stabilization reserve)

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 Engine power that can be run continuously under standard conditions

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 X Applicable

 The module is valid for this product type

 Non-applicable

 The module is not valid for this product type

 Will applicable Work applicable

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 Work applicable

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- Product Data -



Name Application Group Dataset 12V1600B30S 3B Ref. 25°C/- ; Bifrequency - 50 Hz dataset

Speed [rpm]	1500/1800
Nominal power [kW]	524/561
Nominal power [bhp]	703/752
Frequency [Hz]	50/60

Exhaust Regulations

Fuel-consumption optimized;

·			I	1
34	Charge-air temperature before external	А	220	°C
51	air-to-air intercooler	$\hat{}$	220	C
35	Charge-air temperature after external	А	50	°C
55	air-to-air intercooler	~	50	C
36	Charge-air temperature after external	1	65	°C
30	air-to-air intercooler, max.	L	05	C
37	Charge-air temperature after external		-15	°C
57	air-to-air intercooler, min.	L	-15	C
39	Pressure differential in external	1	130	mbar
35	air-to-air intercooler, max.	L	130	IIIDai
8	Charge-air pressure before cylinder - CP	R	2.7	bar abs
27	Charge-air pressure before cylinder - FSP	R	2.9	bar abs
9	Combustion air volume flow - CP	R	0.60	m³/s
10	Combustion air volume flow - FSP	R	0.80	m³/s
11	Exhaust volume flow (at exhaust temperature) - CP	R	1.5	m³/s
12	Exhaust volume flow (at exhaust temperature) - FSP	R	1.7	m³/s
15	Exhaust temperature after turbocharger - CP	R	482	°C
16	Exhaust temperature after turbocharger - FSP	R	482	°C

6. Heat dissipation

No.	Description	Index	Value	Unit
16	Heat dissipated by engine coolant - FSP	D	250	kW
10	with oil heat, without charge-air heat	к	250	ĸvv
26	Charge-air heat dissipation - CP	R	87	kW
27	Charge-air heat dissipation - FSP	R	104	kW
31	Heat dissipated by return fuel flow - CP	R	3.4	kW
32	Heat dissipated by return fuel flow - FSP	R	3.6	kW
33	Radiation and convection heat, engine - CP	R	24	kW
34	Radiation and convection heat, engine - FSP	R	24	kW

7. Coolant system (high-temperature circuit)

No.	Description	Index	Value	Unit
17	Coolant temperature	•	95	°C
17	(at engine outlet to cooling equipment)	А	55	C
20	Coolant temperature after engine, limit 1	L	105	°C
21	Coolant temperature after engine, limit 2	L	109	°C
25	Coolant antifreeze content, max.	L	50	%
30	Cooling equipment: coolant flow rate	А	26	m³/h
35	Coolant pump: inlet pressure, min.	L	1.4	bar
36	Coolant pump: inlet pressure, max.	L	3.5	bar
41	Pressure loss in off-engine cooling system, max.	L	1	bar
47	Breather valve (expansion tank)	R	1	bar
47	opening pressure (excess pressure)	к	T	Dar
54	Cooling equipment: height above engine, max.	L	15	m
48	Breather valve (expansion tank)	D	-0.2	har
40	opening pressure (depression)	R	-0.2	bar

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 DL Reference value: continuous power

 Engine power that can be run continuously under standard conditions

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Adequate verification not yet available (tolerance +/-10%)
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- Product Data -



Name	12V1600B30S	Speed [rpm]	1500/1800
Application Group	3B	Nominal power [kW]	524/561
Dataset	Ref. 25°C/- ; Bifrequency - 50 Hz dataset	Nominal power [bhp]	703/752
		Frequency [Hz]	50/60

Exhaust Regulations Fuel-consumption optimized;

49 Pressure in cooling system, max. L 5.0 bar	49	Pressure in cooling system, max.	L	5.0	bar
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10. Lube oil system

No.	Description	Index	Value	Unit
1	Lube oil operating temp. before engine, from	R	87	°C
2	Lube oil operating temp. before engine, to	R	101	°C
8	Lube oil operating press. bef. engine, from	R	4.0	bar
9	Lube oil operating press. bef. engine, to	R	5.0	bar
10	Lube oil pressure before engine, alarm	L	2.6	bar
11	Lube oil pressure before engine, shutdown	L	2.4	bar
19	Lube oil fine filter (main circuit):		1	
19	number of units		1	-
20	Lube oil fine filter (main circuit):		4	
20	number of elements per unit		4	-
56	Lube-oil fine filter (main flow), particle size 1		10	μm
57	Lube-oil fine filter (main flow), filtering efficiency re 1		26	%
58	Lube-oil fine filter (main flow), particle size 2		15	μm
59	Lube-oil fine filter (main flow), filtering efficiency re 2		50	%
60	Lube-oil fine filter (main flow), particle size 3		20	μm
61	Lube-oil fine filter (main flow), filtering efficiency re 3		75	%
32	Lube oil fine filter (main circuit):		2	han
52	pressure differential, max.	L	2	bar

11. Fuel system

No.	Description	Index	Value	Unit
	Fuel pressure at engine fuel feed connection, min.	index		
1	(when engine is starting)	L	-0.5	bar
r	Fuel pressure at engine fuel feed connection, max.		0.5	la e u
Z	(when engine is starting)	L	0.5	bar
37	Fuel supply flow, max.	А	5.7	liter/min
4	Fuel pressure before injection pump, from	R	5.7	har
4	(high-pressure pump)	ĸ	5.7	bar
5	Fuel pressure before injection pump, to	R	6.2	bar
5	(high-pressure pump)	ĸ	0.2	Dar
8	Fuel return flow, max.	А	5.5	liter/min
10	Fuel pressure at return connection on engine, max.	L	<0.4	bar
12	Fuel temperature differential before/after engine	R	20	К
18	Fuel fine filter (main circuit): number of units	А	1	-
19	Fuel fine filter (main circuit): number of elements per unit	А	1	-
68	Fuel fine filter, particle size 1		4	μm
69	Fuel fine filter, filtering efficiency re 1		99.5	%
70	Fuel fine filter, particle size 2		6	μm
71	Fuel fine filter, filtering efficiency re 2		99.8	%
72	Fuel fine filter, particle size 3		14	μm
73	Fuel fine filter, filtering efficiency re 3		99.8	%
21	Fuel fine filter (main circuit): pressure differential, max.	L	2	bar

 BL Reference value: fuel stop power

 Maximum engine power that cannot be run continuously on some applications (stabilization reserve)

 DL Reference value: continuous power

 Engine power that can be run continuously under standard conditions

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^{an} Adequate verification not yet available (tolerance +/-5%)

A) Design value
Value required for the design of an external system
(plant)
 Couldeline value
 for design purposes to a limited extent
 Limit value
 A value representing the lower limit/minimum value or
upper limit/maximum value that may not be
 exceeded. Not suitable for design purposes

- Product Data -



Name **Application Group** Dataset

12V1600B30S 3B Ref. 25°C/- ; Bifrequency - 50 Hz dataset Speed [rpm] 1500/1800 Nominal power [kW] 524/561 Nominal power [bhp] 703/752 Frequency [Hz] 50/60

Exhaust Regulations Fuel-consumption optimized;

12. General operating data

No.	Description	Index	Value	Unit
1	Cold start capability: air temperature	R	-20	°C
1	(w/o starting aid, w/o preheating) - (case A)	n	-20	C
2	Additional condition (to case A):	R	-20	°C
2	engine coolant temperature	к	-20	C
3	Additional condition (to case A): lube oil temperature	R	-20	°C
4	Additional condition (to case A): lube oil viscosity	R	10W40	SAE
9	Cold start capability: air temperature	R	-40	°C
5	(w/o starting aid, w/ preheating) - (case C)	n	-+0	C
10	Additional condition (to case C):	R	32	°C
10	engine coolant temperature	к	32	C
11	Additional condition (to case C): lube oil temperature	R	32	°C
12	Additional condition (to case C): lube oil viscosity	R	10W40	SAE
21	Coolant preheating, heater performance (standard)	R	3	kW
22	Coolant preheating, preheating temperature, min.	L	32	°C
3506	Coolant preheating, preheating temperature, max.	L	55	°C
28	Breakaway torque (without driven machinery)		750	New
28	coolant temperature +5°C	R	750	Nm
20	Breakaway torque (without driven machinery)	_	450	
30	coolant temperature +40°C	R	450	Nm
20	Cranking torque at firing speed (without driven machinery)	_	100	
29	coolant temperature +5°C	R	400	Nm
24	Cranking torque at firing speed (without driven machinery)	_	270	
31	coolant temperature +40°C	R	270	Nm
0.0	Starting is blocked if the engine coolant temperature is		22	
96	below		-20	°C
37	High idling speed, max. (static)	L	1560	rpm
38	Limit speed for overspeed alarm / emergency shutdown	L	1800	rpm
42	Firing speed, from	R	80	rpm
43	Firing speed, to	R	120	rpm
	Engine coolant temperature before starting full-load operation, recommended	_	<u></u>	
44	min.	R	60	°C
48	Minimum continuous load	R	20	%
- 0	Engine mass moment of inertia	1	4.540	
50	(without flywheel)	R	1.548	kgm²
52	Standard flywheel mass moment of inertia	R	1.44	kgm²
1981	Block bending moment - SAE 0	R	6.0	kNm
1982	Block bending moment - SAE 1	R	4.5	kNm
F.4	Engine mass moment of inertia			
51	(with standard flywheel)	R	2.988	kgm²
109	Speed droop (with electronic governor) adjustable P1	R	4	%
110	Speed droop (with electronic governor) adjustable P2	R	0.4	%
95	Number of starter ring-gear teeth on engine flywheel		157	-

 BL
 Reference value: fuel stop power

 Maximum engine power that cannot be run continuously on some applications (stabilization reserve)
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 Reference value: continuous power

 Engine power that can be run continuously under standard conditions
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 Applicable

 The module is valid for this product type

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- Product Data -



Name **Application Group** Dataset

12V1600B30S 3B Ref. 25°C/- ; Bifrequency - 50 Hz dataset

Speed [rpm]	1500/1800
Nominal power [kW]	524/561
Nominal power [bhp]	703/752
Frequency [Hz]	50/60

Exhaust Regulations

Fuel-consumption optimized;

13. Starting (electric)

15. 0141				
No.	Description	Index	Value	Unit
2309	Manufacturer		Prestolite	-
2310	Number of starter		1	-
2312	Starter electrically redundant		-	-
2313	Rated power per starter	R	7.5	kW
2314	Starter, rated voltage	R	24	VDC
2315	Rated short-circuit current per starter	L	1730	A
3000	Power consumption per starter	R	400	А
5000	(at an engine speed of 100 rpm, SAE0)	ĸ	400	А
3002	Power consumption per starter		540	•
5002	(at an engine speed of 100 rpm, SAE1)	R	540	A
2317	Internal resistance of power supply + line resistance per starter	А	0.008	Ω
2318	Manufacturer		Prestolite	-
2319	Number of starter		1	-
2320	Starter electrically redundant		х	-
2321	Rated power per starter	R	7.5	kW
2322	Starter, rated voltage	R	24	VDC
2323	Rated short-circuit current per starter	L	1730	A
2001	Power consumption per starter		400	
3001	(at an engine speed of 100 rpm, SAE0)	R	400	A
3003	Power consumption per starter	_	540	
	(at an engine speed of 100 rpm, SAE1)	R	540	A
2325	Internal resistance of power supply + line resistance per starter	А	0.008	Ω
2326	Manufacturer		Prestolite	-
2327	Number of starter		2	-
2328	Starter electrically redundant		-	-
2329	Rated power per starter	R	7.5	kW
2330	Starter, rated voltage	R	24	VDC
2331	Rated short-circuit current per starter	L	1730	A
3251	Power consumption per starter	R	400	•
3231	(at an engine speed of 100 rpm, SAE0)	к	400	A
3252	Power consumption per starter		540	
3232	(at an engine speed of 100 rpm, SAE1)	R	540	A
2333	Internal resistance of power supply + line resistance per starter	A	0.008	Ω
2347	Generally valid data for starter		х	-
2342	Rated starting-attempt Duration (at +20°C ambient temperature with battery	R	3	s
2343	Interval between starts		r	
2343	(at rated starting-attempt duration), min.	L	5	S
2345	Maximum acceptable starting-attempt duration	L	15	s
	Interval between starts		CO	
2244		R	60	S
2344	(when starting-attempt duration > rated starting-attempt duration)			
2344 2346	(when starting-attempt duration > rated starting-attempt duration) Starting attempts within 30 minutes	L	6	

16. Inclinations - standard oil system (ref.: waterline)

No.	Description	Index	Value	Unit

 BL
 Reference value: fuel stop power

 Maximum engine power that cannot be run continuously on some applications (stabilization reserve)
 DL

 DL
 Reference value: continuous power

 Engine power that can be run continuously under standard conditions
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 X Applicable

 The module is valid for this product type

 Non-applicable

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 Will applicable Work applicable

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 Work applicable

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- Product Data -



Name	12V1600B30S	Speed [rpm]	1500/1800
Application Group	3B	Nominal power [kW]	524/561
Dataset	Ref. 25°C/- ; Bifrequency - 50 Hz dataset	Nominal power [bhp]	703/752
		Frequency [Hz]	50/60

Exhaust Regulations Fuel-consumption optimized;

15	Longitudinal inclination, continuous max. driving end down (Option: max. operating inclinations)	L	15	degrees (°)
17	Longitudinal inclination, continuous max. driving end up (Option: max. operating inclinations)	L	15	degrees (°)
19	Transverse inclination, continuous max. (Option: max. operating inclinations)	L	15	degrees (°)

18. Capacities

No.	Description	Index	Value	Unit
1	Engine coolant capacity (without cooling equipment)	R	65	liter
11	On-engine fuel capacity	R	3 *	liter
	Engine oil capacity, initial filling			
14	(standard oil system)	R	72.5	liter
	(Option: max. operating inclinations)			
	Oil change quantity, max.			
20	(standard oil system)	R	64	liter
	(Option: max. operating inclinations)			
	Oil pan capacity, dipstick mark min.			
28	(standard oil system)	L	56	liter
	(Option: max. operating inclinations)			
	Oil pan capacity, dipstick mark max.			
29	(standard oil system)	L	64	liter
	(Option: max. operating inclinations)			

19. Masses / dimensions

No.	Description	Index	Value	Unit
7	Engine dry mass (with engine-mounted	р	R 1855 *	kg
/	standard accessories, without coupling)	К		
17	Engine mass, wet	р	1918	ka
12	(with engine-mounted standard accessories, without coupling)	ĸ	1918	kg

20. Fan / fan cooler

No.	Description	Index	Value	Unit
3	Fan, pusher-type		х	-
18	Fan arrangement: vertical above crankshaft		х	-
9	Fan drive: mechanical via V-belt		х	-
13	Fan: speed	R	1500	rpm

21. Exhaust emissions

	No.	Description	Index	Value	Unit
--	-----	-------------	-------	-------	------

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 Work applicable

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- Product Data -



Name	12V1600B30S	Speed [rpm]	1500/1800
Application Group	3B	Nominal power [kW]	524/561
Dataset	Ref. 25°C/- ; Bifrequency - 50 Hz dataset	Nominal power [bhp]	703/752
		Frequency [Hz]	50/60

Exhaust Regulations

Fuel-consumption optimized;

1972	Emissions data sheet:	EDS16000117	
1972	Fuel-consumption optimized	20310000117	-

22. Acoustics

No.	Description	Index	Value	Unit
	Exhaust noise, unsilenced - CP			
101	(free-field sound-pressure level Lp, 1m distance,	R	109	dB(A)
	ISO 6798, +3dB(A) tolerance)			. ,
201	Exhaust noise, unsilenced - CP	_	124	17(1)
201	(sound power level LW, ISO 6798, +3dB(A) tolerance)	R	121	dB(A)
	Exhaust noise, unsilenced - FSP			
102	(free-field sound-pressure level Lp, 1m distance,	R	109	dB(A)
	ISO 6798, +3dB(A) tolerance)			
202	Exhaust noise, unsilenced - FSP		122	
202	(sound power level LW, ISO 6798, +3dB(A) tolerance)	R	122	dB(A)
	Exhaust noise, unsilenced - CP			
103	(free-field sound-pressure level Lp, 1m distance,		725162-	
103	ISO 6798)	R	735163e	-
	Spectrum No.			
	Exhaust noise, unsilenced - CP			
203	(sound power level LW, ISO 6798)	R	-	-
	Spectrum No.			
	Engine surface noise with attenuated			
109	intake noise (filter) - CP		102	
	(free-field sound-pressure level Lp, 1m distance,	R	102	dB(A)
	ISO 6798, +2dB(A) tolerance)			
	Engine surface noise with attenuated			
209	intake noise (filter) - CP	R	120	dB(A)
	(sound power level LW, ISO 6798, +2dB(A) tolerance)			
	Engine surface noise with attenuated			
111	intake noise (filter) - CP		735156e	
111	(free-field sound-pressure level Lp, 1m distance,	R	7351306	-
	ISO 6798) Spectrum No.			
	Engine surface noise with attenuated			
211	intake noise (filter) - CP			
211	(sound power level LW, ISO 6798)	R	-	-
	Spectrum No.			
	Engine surface noise with attenuated			
113	intake noise (intake silencer) - CP	R	100	dB(A)
112	(free-field sound-pressure level Lp, 1m distance,	ĸ	100	UB(A)
	ISO 6798, +2dB(A) tolerance)			
	Engine surface noise with attenuated			
114	intake noise (intake silencer) - FSP	Р	101	
114	(free-field sound-pressure level Lp, 1m distance,	R	101	dB(A)
	ISO 6798, +2dB(A) tolerance)			

 BL Reference value: fuel stop power

 Maximum engine power that cannot be run continuously on some applications (stabilization reserve)

 DL Reference value: continuous power

 Engine power that can be run continuously under standard conditions

Actual value must be greater than specified value
 Actual value must be less than specified value

Adequate verification not yet available (tolerance +/-10%)
^{an} Adequate verification not yet available (tolerance +/-5%)

- Product Data -



Name	12V1600B30S	Speed [rpm]	1500/1800
Application Group	3B	Nominal power [kW]	524/561
Dataset	Ref. 25°C/- ; Bifrequency - 50 Hz dataset	Nominal power [bhp]	703/752
		Frequency [Hz]	50/60

Exhaust Regulations Fuel-consumption optimized;

125	Structure borne noise at engine mounting brackets in vertical direction above resilient engine mounts - CP Spectrum No.	R	735249e	-
	Structure borne noise at engine mounting brackets			
126	in vertical direction above resilient engine mounts - FSP	R	735248e	-
	Spectrum No.			

 BL Reference value: fuel stop power

 Maximum engine power that cannot be run continuously on some applications (stabilization reserve)

 DL Reference value: continuous power

 Engine power that can be run continuously under standard conditions

Actual value must be greater than specified value
 Actual value must be less than specified value

 X
 Applicable

 The module is valid for this product type
 Non-applicable

 The module is not valid for this product type
 Non-applicable

 The work of the module is not valid for this product type
 Non-applicable

 No applicable
 Non-applicable

 The work of the module is not valid for this product type
 Non-applicable

 No applicable
 No applicable

 The work of the module is not valid for this product type
 No applicable

 No applicable
 No applicable

 No applicable
 No applicable

 The wold work of the module is not valid for this product type
 No applicable

Adequate verification not yet available (tolerance +/-10%)
^{an} Adequate verification not yet available (tolerance +/-5%)