Edition 6/19/2023 Page 1/26	Technical Sales Docur - Product Data -	ment	A Rolls-Royce solution
Name	16V4000G34F	Speed [rpm]	1500
Application Group	3E	Nominal power [kW]	2170
Dataset	Ref. 25°C/45°C	Nominal power [bhp]	2910
		Nominal power [kVA]	-
		Nominal power [kWel]	-
		Frequency [Hz]	50
Exhaust Regulations	EPA Nonroad T2 Compliant;		

Reference conditions

No.	Description	Index	Value	Unit
6	Intake air temperature		25	°C
7	Charge-air coolant temperature		45	°C
8	Barometric pressure		1000	mbar
9	Site altitude above sea level		100	m
10	Raw-water inlet temperature		-	°C

 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
 Conditions

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

Applicable
 The module is valid for this product type
 Non-applicable
 The module is not valid for this product type
 Nalue not named
 The value has not yet been named or will not be named

* Adequate verification not yet available (tolerance +/-10%)
** Adequate verification not yet available (tolerance +/-5%)

Edition 6/19/2023 Page 2/26	Technical Sales Docur - Product Data -	ment mtu	A Rolls-Royce solution
Name	16V4000G34F	Speed [rpm]	1500
Application Group	3E	Nominal power [kW]	2170
Dataset	Ref. 25°C/45°C	Nominal power [bhp]	2910
		Nominal power [kVA]	-
		Nominal power [kWel]	-
		Frequency [Hz]	50
Exhaust Regulations	EPA Nonroad T2 Compliant;		

0. Data-relevant engine design configuration

No.	Description	Index	Value	Unit
8	Engine rated speed switchable (1500/1800 rpm)		-	-
12	Engine with sequential turbocharging (turbochargers with cut-in/cut-out control)		-	-
13	Engine without sequential turbocharging (turbochargers without cut-in/cut-out control)		х	-

 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

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
 N

 Value not named
 The value has not yet been named or will not be named

* Adequate verification not yet available (tolerance +/-10%)
** Adequate verification not yet available (tolerance +/-5%)

Edition 6/19/2023 Page 3/26	Technical Sales Docur - Product Data -	ment	A Rolls-Royce solution
Name	16V4000G34F	Speed [rpm]	1500
Application Group	3E	Nominal power [kW]	2170
Dataset	Ref. 25°C/45°C	Nominal power [bhp]	2910
		Nominal power [kVA]	-
		Nominal power [kWel]	-
		Frequency [Hz]	50
Exhaust Regulations	EPA Nonroad T2 Compliant;		

1. Power-related data

No.	Description	Index	Value	Unit
1	Engine rated speed	А	1500	rpm
2	Reduction gear - Output speed	А	-	rpm
3	Mean piston speed		10.5	m/s
4	Continuous power ISO 3046 (10% overload capability) (design power DIN 6280, ISO 8528)	A	2170	kW
5	Fuel stop power ISO 3046	А	2387	kW
8	Mean effective pressure (MEP) (Continuous power ISO 3046)		22.8	bar
9	Mean effective pressure (MEP) (Fuel stop power ISO 3046)		26.4	bar

 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
 Conditions

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

Applicable
 The module is valid for this product type
 Non-applicable
 The module is not valid for this product type
 Nalue not named
 The value has not yet been named or will not be named

* Adequate verification not yet available (tolerance +/-10%)
** Adequate verification not yet available (tolerance +/-5%)

Edition 6/19/2023 Page 4/26	Technical Sales Docur - Product Data -	ment	A Rolls-Royce solution
Name	16V4000G34F	Speed [rpm]	1500
Application Group	3E	Nominal power [kW]	2170
Dataset	Ref. 25°C/45°C	Nominal power [bhp]	2910
		Nominal power [kVA]	-
		Nominal power [kWel]	-
		Frequency [Hz]	50
Exhaust Regulations	EPA Nonroad T2 Compliant;		

2. General Conditions (for maximum power)

No.	Description	Index	Value	Unit
46	Individual power calculation (ESCM) required for maximum power		Х	-
1	Intake air depression (new filter)	A	15	mbar
2	Intake air depression, max.	L	30	mbar
51	Exhaust overpressure (total pressure against atmosphere)	A	30	mbar
52	Exhaust overpressure, max. (total pressure against atmosphere)	L	50	mbar
5	Fuel temperature at fuel feed connection	R	25	°C
9	Fuel temperature at fuel feed connection, max. (w/o power reduction)	L	55	°C
18	Fuel temperature at fuel feed connection, min.	L	-	°C

 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
 Continuous power

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
 N

 Value not named
 The value has not yet been named or will not be named

* Adequate verification not yet available (tolerance +/-10%)
** Adequate verification not yet available (tolerance +/-5%)

Page 5/26

Edition 6/19/2023

- Product Data -



Name	16V4000G34F	Speed [rpm]	1500
Application Group	3E	Nominal power [kW]	2170
Dataset	Ref. 25°C/45°C	Nominal power [bhp]	2910
		Nominal power [kVA]	-
		Nominal power [kWel]	-
		Frequency [Hz]	50
Exhaust Regulations	EPA Nonroad T2 Compliant;		

3. Consumption

No.	Description	Index	Value	Unit
17	Specific fuel consumption (be) - 100 % CP (+ 5 %; EN 590; 42.8 MJ/kg)	R	195	g/kWh
18	Specific fuel consumption (be) - 75 % CP (+ 5 %; EN 590; 42.8 MJ/kg)	R	199	g/kWh
19	Specific fuel consumption (be) - 50 % CP (+ 5 %; EN 590; 42.8 MJ/kg)	R	206	g/kWh
20	Specific fuel consumption (be) - 25 % CP (+ 5 %; EN 590; 42.8 MJ/kg)	R	225	g/kWh
73	No-load fuel consumption	R	30	kg/h
92	Lube oil consumption after 100 h of operation (B = fuel consumption per hour) Guideline value does not apply for the design of EGAT systems. Please consult the Applications Center with regard to the layout of EGA systems.	R	0.2	% of B
62	Lube oil consumption after 100 h of operation, max. (B = fuel consumption per hour)	L	0.5	% of B

 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

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

The module is value for this product type **Non-applicable** The module is not valid for this product type **N** Value not named The value has not yet been named or will not be named

* Adequate verification not yet available (tolerance +/-10%)
* Adequate verification not yet available (tolerance +/-5%)

Edition 6/19/2023 Page 6/26	Technical Sales Docur - Product Data -	ment	A Rolls-Royce solution
Name	16V4000G34F	Speed [rpm]	1500
Application Group	3E	Nominal power [kW]	2170
Dataset	Ref. 25°C/45°C	Nominal power [bhp]	2910
		Nominal power [kVA]	-
		Nominal power [kWel]	-
		Frequency [Hz]	50
Exhaust Regulations	EPA Nonroad T2 Compliant;		

4. Model-related data (basic design)

No.	Description	Index	Value	Unit
1	Naturally aspirated engine		-	-
2	Engine with exhaust turbocharger (ETC)		-	-
3	Engine with exhaust turbocharger (ETC) and intercooler		х	-
4	Exhaust piping, non-cooled		Х	-
5	Exhaust piping, liquid-cooled		-	-
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		16	-
7	Cylinder configuration: V angle		90	degrees (°)
8	Cylinder configuration: in-line vertical		-	-
10	Bore		170	mm
11	Stroke		210	mm
12	Displacement, cylinder		4.77	liter
13	Displacement, total		76.3	liter
14	Compression ratio		16.4	-
40	Cylinder heads: single-cylinder		Х	-
41	Cylinder liners: wet, replaceable		Х	-
42	Piston design: composite piston		-	-
49	Piston design: solid-skirt piston		Х	-
21	Number of piston compression rings		2	-
22	Number of piston oil control rings		1	-

 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
 Continuous power

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
 N

 Value not named
 The value has not yet been named or will not be named

* Adequate verification not yet available (tolerance +/-10%)
** Adequate verification not yet available (tolerance +/-5%)

Page 7/26

Edition 6/19/2023

- Product Data -



Name	16V4000G34F	Speed [rpm]	1500
Application Group	3E	Nominal power [kW]	2170
Dataset	Ref. 25°C/45°C	Nominal power [bhp]	2910
		Nominal power [kVA]	-
		Nominal power [kWel]	-
		Frequency [Hz]	50

Exhaust Regulations EPA Nonroad T2 Compliant;

24	Number of inlet valves, per cylinder		2	-
25	Number of exhaust valves, per cylinder		2	-
15	Number of turbochargers		4	-
16	Number of L.P. turbochargers		-	-
17	Number of H.P. turbochargers		-	-
18	Number of intercoolers		1	-
19	Number of L.P. intercoolers		-	-
20	Number of H.P. intercoolers		-	-
28	Standard flywheel housing flange (engine main PTO)		0	SAE
50	Static bending moment at standard flywheel housing flange, max.	L	15	kNm
51	Dynamic bending moment at standard flywheel housing flange, max.	L	75	kNm
43	Flywheel interface (DISC)		21	-

 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
 Continuous power

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 The module is value for this product type **Non-applicable** The module is not valid for this product type **N** Value not named The value has not yet been named or will not be named

* Adequate verification not yet available (tolerance +/-10%)
* Adequate verification not yet available (tolerance +/-5%)

Edition 6/19/2023 Page 8/26	Technical Sales Docun - Product Data -	nent	A Rolls-Royce solution
Name	16V4000G34F	Speed [rpm]	1500
Application Group	3E	Nominal power [kW]	2170
Dataset	Ref. 25°C/45°C	Nominal power [bhp]	2910
		Nominal power [kVA]	-
		Nominal power [kWel]	-
		Frequency [Hz]	50
Exhaust Regulations	EPA Nonroad T2 Compliant;		

5. Combustion air / exhaust gas

No.	Description	Index	Value	Unit
8	Charge-air pressure before cylinder - CP	R	3.4	bar abs
9	Combustion air volume flow - CP	R	2.7	m³/s
11	Exhaust volume flow (at exhaust temperature) - CP	R	6.8	m³/s
13	Exhaust temperature before turbocharger - CP	R	660	°C
4084	Exhaust temperature after engine - CP (Position of interface according to installation drawing)	R	440	°C
4086	Exhaust temperature after engine, max CP (Position of interface according to installation drawing)	L	550	°C

 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

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
 N

 Value not named
 named or will not be named

* Adequate verification not yet available (tolerance +/-10%)
** Adequate verification not yet available (tolerance +/-5%)

Edition 6/19/2023 Page 9/26	Technical Sales Docur - Product Data -	nent	A Rolls-Royce solution
Name	16V4000G34F	Speed [rpm]	1500
Application Group	3E	Nominal power [kW]	2170
Dataset	Ref. 25°C/45°C	Nominal power [bhp]	2910
		Nominal power [kVA]	-
		Nominal power [kWel]	-
		Frequency [Hz]	50
Exhaust Regulations	EPA Nonroad T2 Compliant;		

6. Heat dissipation

No.	Description	Index	Value	Unit
15	Heat dissipated by engine coolant - CP with oil heat, without charge-air heat	R	785	kW
16	Heat dissipated by engine coolant - FSP with oil heat, without charge-air heat	R	880	kW
26	Charge-air heat dissipation - CP	R	505	kW
27	Charge-air heat dissipation - FSP	R	590	kW
33	Radiation and convection heat, engine - CP	R	90	kW
34	Radiation and convection heat, engine - FSP	R	90	kW

 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
 Continuous power

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

Applicable
 The module is valid for this product type
 Non-applicable
 The module is not valid for this product type
 Nalue not named
 The value has not yet been named or will not be named

* Adequate verification not yet available (tolerance +/-10%)
** Adequate verification not yet available (tolerance +/-5%)

Edition 6/19/2023 Page 10/26

- Product Data -



Name	16V4000G34F	Speed [rpm]	1500
Application Group	3E	Nominal power [kW]	2170
Dataset	Ref. 25°C/45°C	Nominal power [bhp]	2910
		Nominal power [kVA]	-
		Nominal power [kWel]	-
		Frequency [Hz]	50
Full swat Damulations	EDA Nerwood TO Compliants		

Exhaust Regulations EPA Nonroad T2 Compliant;

7. Coolant system (high-temperature circuit)

No.	Description	Index	Value	Unit
17	Coolant temperature (at engine outlet to cooling equipment)	А	100.0	°C
23	Coolant temperature differential after/before engine	L	14	К
20	Coolant temperature after engine, limit 1	L	102	°C
21	Coolant temperature after engine, limit 2	L	104	°C
25	Coolant antifreeze content, max.	L	50	%
30	Cooling equipment: coolant flow rate	А	53	m³/h
127	Cooling equipment: coolant flow rate at max. pressure loss in off-engine cooling System (see chapter 7, item No. 41)	A	53	m³/h
128	Cooling equipment: coolant flow rate at min. pressure loss in off-engine cooling System (see chapter 7, item No. 72)	A	63	m³/h
31	Coolant pump: pressure differential	R	2.4	bar
35	Coolant pump: inlet pressure, min.	L	0.5	bar
36	Coolant pump: inlet pressure, max.	L	2.5	bar
39	Engine: coolant pressure differential with thermostat	R	2.4	bar
41	Pressure loss in off-engine cooling system, max.	L	0.7	bar
72	Pressure loss in off-engine cooling system, min.	L	0.3	bar
43	Pressure loss in off-engine cooling system, max. without thermostat	L	0.7	bar
70	Pressure loss in off-engine cooling system, min. without thermostat	L	0.3	bar
45	Flow resistance (X) coefficient engine w/ thermostat, w/o cooling equipment	R	0.78	mbar/(m ³ /h) ²
47	Breather valve (expansion tank) opening pressure (excess pressure)	R	1	bar

 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

X Applicable The module is valid for this product type

The module is value for this product type The module is not valid for this product type N Value not named The value has not yet been named or will not be named

* Adequate verification not yet available (tolerance +/-10%)
* Adequate verification not yet available (tolerance +/-5%)

Design value
 Value required for the design of an external system
 (plant)
 R Guideline value
 Typical average value as information – only suitable
 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

Edition 6/19/2023 Page 11/26	Technical Sales Docur - Product Data -	nent	A Rolls-Royce solution
Name	16V4000G34F	Speed [rpm]	1500
Application Group	3E	Nominal power [kW]	2170
Dataset	Ref. 25°C/45°C	Nominal power [bhp]	2910
		Nominal power [kVA]	-
		Nominal power [kWel]	-
		Frequency [Hz]	50

Exhaust Regulations EPA Nonroad T2 Compliant;

54	Cooling equipment: height above engine, max.	L	15	m
53	Cooling equipment: operating pressure	A	2.5	bar
50	Thermostat, starts to open	R	79	°C
51	Thermostat, bypass closed	R	92	°C
52	Thermostat, fully open	R	92	°C
48	Breather valve (expansion tank) opening pressure (depression)	R	-0.1	bar
49	Pressure in cooling system, max.	L	5.0	bar

 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
 Continuous power

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

Applicable
 The module is valid for this product type
 Non-applicable
 The module is not valid for this product type
 Nalue not named
 The value has not yet been named or will not be named

* Adequate verification not yet available (tolerance +/-10%)
** Adequate verification not yet available (tolerance +/-5%)

Edition 6/19/2023 Page 12/26

- Product Data -



Name	16V4000G34F	Speed [rpm]	1500
Application Group	3E	Nominal power [kW]	2170
Dataset	Ref. 25°C/45°C	Nominal power [bhp]	2910
		Nominal power [kVA]	-
		Nominal power [kWel]	-
		Frequency [Hz]	50
Exhaust Degulations	EDA Nonroad T2 Compliants		

Exhaust Regulations EPA Nonroad T2 Compliant;

8. Coolant system (low-temperature circuit)

No.	Description	Index	Value	Unit
53	Coolant temperature (at engine outlet to cooling equipment)	R	64.5	°C
9	Coolant temperature before intercooler (at engine inlet from cooling equipment)	A	45	°C
14	Coolant temperature before intercooler, limit 1	L	75	°C
15	Coolant temperature before intercooler, limit 2	L	78	°C
54	Coolant temperature differential after/before intercooler, min.	L	18	к
55	Coolant temperature differential after/before intercooler, max.	L	30	к
13	Coolant antifreeze content, max.	L	50	%
17	Charge-air temperature after intercooler, max.	L	80	°C
76	Temperature differential between intake air and charge-air coolant before intercooler	A	20	к
75	Temperature differential between intake air and charge-air coolant before intercooler, max.	L	22	к
45	Charge-air temperature after intercooler, max. for compliance with "TA-Luft" at CP	L	-	°C
56	Coolant pump: flow rate	А	25	m³/h
20	Cooling equipment: coolant flow rate	А	25	m³/h
80	Cooling equipment: coolant flow rate at max. pressure loss in off-engine cooling system	A	25	m³/h
81	Cooling equipment: coolant flow rate at min. pressure loss in off-engine cooling system	A	33	m³/h
21	Intercooler: coolant flow rate	R	25	m³/h
24	Coolant pump: inlet pressure, min.	L	0.5	bar
25	Coolant pump: inlet pressure, max.	L	2.5	bar
29	Pressure loss in off-engine cooling system, max.	L	1.0	bar

 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

X Applicable The module is valid for this product type

The module is value for this product type The module is not valid for this product type N Value not named The value has not yet been named or will not be named

* Adequate verification not yet available (tolerance +/-10%)
* Adequate verification not yet available (tolerance +/-5%)

Design value
 Value required for the design of an external system
 (plant)
 R Guideline value
 Typical average value as information – only suitable
 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

Edition	6/19/2023	Technical Sales Document		
Page	13/26	- Product Data -	mtu	



Name	16V4000G34F	Speed [rpm]	1500
Application Group	3E	Nominal power [kW]	2170
Dataset	Ref. 25°C/45°C	Nominal power [bhp]	2910
		Nominal power [kVA]	-
		Nominal power [kWel]	-
		Frequency [Hz]	50

Exhaust Regulations EPA Nonroad T2 Compliant;

62	Pressure loss in off-engine cooling system, min.	L	0.3	bar
	Pressure loss in off-engine cooling system, max. without thermostat	L	1.0	bar
	Pressure loss in off-engine cooling system, min. without thermostat	L	0.3	bar

 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
 Continuous power

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
 N

 Value not named
 The value has not yet been named or will not be named

* Adequate verification not yet available (tolerance +/-10%)
** Adequate verification not yet available (tolerance +/-5%)

Edition 6/19/2023 Page 14/26

- Product Data -



Name	16V4000G34F	Speed [rpm]	1500
Application Group	3E	Nominal power [kW]	2170
Dataset	Ref. 25°C/45°C	Nominal power [bhp]	2910
		Nominal power [kVA]	-
		Nominal power [kWel]	-
		Frequency [Hz]	50
Exhaust Regulations	EPA Nonroad T2 Compliant;		

10. Lube oil system

No.	Description	Index	Value	Unit
1	Lube oil operating temp. before engine, from	R	84	°C
2	Lube oil operating temp. before engine, to	R	98	°C
3	Lube oil operating temp. after engine, from	R	93	°C
4	Lube oil operating temp. after engine, to	R	108	°C
5	Lube oil temperature before engine, limit 1	L	99	°C
6	Lube oil temperature before engine, limit 2	L	101	°C
7	Lube oil operating pressure before engine (measuring block)	R	5.8	bar
8	Lube oil operating press. bef. engine, from	R	5	bar
9	Lube oil operating press. bef. engine, to	R	7	bar
10	Lube oil pressure before engine, alarm	L	-	bar
33	Lube oil pressure before engine, limit 1(speed-related value, consult Rolls-Royce Solutions GmbH)	L	3.5	bar
34	Lube oil pressure before engine, limit 2 (speed- related value, consult Rolls-Royce Solutions GmbH)	L	3.2	bar
17	Lube oil pump(s): oil flow, total	R	693	liter/min
19	Lube oil fine filter (main circuit): number of units		1	-
20	Lube oil fine filter (main circuit): number of elements per unit		5	-
21	Lube oil fine filter (main circuit): particle retention	R	0.012	mm
32	Lube oil fine filter (main circuit): pressure differential, max.	L	1.5	bar
35	Lube oil fine filter (main circuit): make (standard): MANN & HUMMEL		Х	-

 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

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

The module is value for this product type **Non-applicable** The module is not valid for this product type **N** Value not named The value has not yet been named or will not be named

* Adequate verification not yet available (tolerance +/-10%)
* Adequate verification not yet available (tolerance +/-5%)

Edition 6/19/2023 Page 15/26

- Product Data -



Name	16V4000G34F	Speed [rpm]	1500
Application Group	3E	Nominal power [kW]	2170
Dataset	Ref. 25°C/45°C	Nominal power [bhp]	2910
		Nominal power [kVA]	-
		Nominal power [kWel]	-
		Frequency [Hz]	50
Exhaust Regulations	EPA Nonroad T2 Compliant;		

11. Fuel system

No.	Description	Index	Value	Unit
1	Fuel pressure at engine fuel feed connection, min. (when engine is starting)	L	-0.1	bar
2	Fuel pressure at engine fuel feed connection, max. (when engine is starting)	L	1.5	bar
57	Fuel pressure at engine fuel feed connection, min. (when engine is running)	L	-0.3	bar
65	Fuel pressure at engine fuel feed connection, max. (when engine is running)	L	0.5	bar
37	Fuel supply flow, max.	А	27	liter/min
4	Fuel pressure before injection pump, from (high-pressure pump)	R	7.0	bar
5	Fuel pressure before injection pump, to (high-pressure pump)	R	9.0	bar
6	Fuel pressure before injection pump, min. (high-pressure pump)	L	5.0	bar
8	Fuel return flow, max.	А	7	liter/min
10	Fuel pressure at return connection on engine, max.	L	0.5	bar
12	Fuel temperature differential before/after engine	R	25	К
38	Fuel temperature after high-pressure pump, alarm	L	65	°C
15	Fuel prefilter: number of units	А	-	-
16	Fuel prefilter: number of elements per unit	A	-	-
17	Fuel prefilter: particle retention	А	-	mm
18	Fuel fine filter (main circuit): number of units	А	1	-
19	Fuel fine filter (main circuit): number of elements per unit	A	2	-
20	Fuel fine filter (main circuit): particle retention	А	0.005	mm
21	Fuel fine filter (main circuit): pressure differential, max.	L	2.0	bar

 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

X Applicable The module is valid for this product type

The module is value for this product type **Non-applicable** The module is not valid for this product type **N** Value not named The value has not yet been named or will not be named

* Adequate verification not yet available (tolerance +/-10%)
* Adequate verification not yet available (tolerance +/-5%)

Design value
 Value required for the design of an external system
 (plant)
 R Guideline value
 Typical average value as information – only suitable
 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

Edition 6/19/2023 Page 16/26

- Product Data -



Name	16V4000G34F	Speed [rpm]	1500
Application Group	3E	Nominal power [kW]	2170
Dataset	Ref. 25°C/45°C	Nominal power [bhp]	2910
		Nominal power [kVA]	-
		Nominal power [kWel]	-
		Frequency [Hz]	50
Exhaust Regulations	EPA Nonroad T2 Compliant;		

12. General operating data

No.	Description	Index	Value	Unit
1	Cold start capability: air temperature (w/o starting aid, w/o preheating) - (case A)	R	10	°C
2	Additional condition (to case A): engine coolant temperature	R	10	°C
3	Additional condition (to case A): lube oil temperature	R	10	°C
4	Additional condition (to case A): lube oil viscosity	R	15W40	SAE
9	Cold start capability: air temperature (w/o starting aid, w/ preheating) - (case C)	R	0	°C
10	Additional condition (to case C): engine coolant temperature	R	40	°C
11	Additional condition (to case C): lube oil temperature	R	-10	°C
12	Additional condition (to case C): lube oil viscosity	R	15W40	SAE
21	Coolant preheating, heater performance (standard)	R	9.0	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) coolant temperature +5°C	R	1950	Nm
30	Breakaway torque (without driven machinery) coolant temperature +40°C	R	1600	Nm
29	Cranking torque at firing speed (without driven machinery) coolant temperature +5°C	R	1150	Nm
31	Cranking torque at firing speed (without driven machinery) coolant temperature +40°C	R	880	Nm
92	Run-up period to rated speed (without driven machinery)	R	Ν	S

 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

X Applicable The module is valid for this product type

The module is value for this product type **Non-applicable** The module is not valid for this product type **N** Value not named The value has not yet been named or will not be named

* Adequate verification not yet available (tolerance +/-10%)
* Adequate verification not yet available (tolerance +/-5%)

Design value
 Value required for the design of an external system
 (plant)
 R Guideline value
 Typical average value as information – only suitable
 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

Edition 6/19/2023 Page 17/26

- Product Data -



Name	16V4000G34F	Speed [rpm]	1500
Application Group	3E	Nominal power [kW]	2170
Dataset	Ref. 25°C/45°C	Nominal power [bhp]	2910
		Nominal power [kVA]	-
		Nominal power [kWel]	-
		Frequency [Hz]	50

Exhaust Regulations EPA Nonroad T2 Compliant;

93	Run-up period to rated speed (with driven machinery) (* at general conditions)	R	N	S
37	High idling speed, max. (static)	L	1650	rpm
38	Limit speed for overspeed alarm / emergency shutdown	L	1950	rpm
39	Limit speed for overspeed alarm	L	1950	rpm
42	Firing speed, from	R	80	rpm
43	Firing speed, to	R	120	rpm
44	Engine coolant temperature before starting full-load operation, recommended min. (for emergency/standby sets with coolant preheating the minimum preheating temperature referred to extended property No.22 is sufficient)	R	60	°C
3515	Minimum continuous load (operation > 10h)	R	30	kW/cyl
49	Extended low or no-load operation possible (consultation required)		Х	-
50	Engine mass moment of inertia (without flywheel)	R	12.7	kgm²
52	Standard flywheel mass moment of inertia	R	10.18	kgm²
51	Engine mass moment of inertia (with standard flywheel)	R	22.88	kgm²
69	Speed droop (with electronic governor) adjustable, from	R	0	%
70	Speed droop (with electronic governor) adjustable, to	R	4	%
95	Number of starter ring-gear teeth on engine flywheel		182	-

 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

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

The module is value for this product type **Non-applicable** The module is not valid for this product type **N** Value not named The value has not yet been named or will not be named

* Adequate verification not yet available (tolerance +/-10%)
* Adequate verification not yet available (tolerance +/-5%)

	Technical	Sales	Document
--	------------------	-------	----------

Edition 6/19/2023 Page 18/26

- Product Data -



Name	16V4000G34F	Speed [rpm]	1500
Application Group	3E	Nominal power [kW]	2170
Dataset	Ref. 25°C/45°C	Nominal power [bhp]	2910
		Nominal power [kVA]	-
		Nominal power [kWel]	-
		Frequency [Hz]	50
Exhaust Regulations	EPA Nonroad T2 Compliant;		

13. Starting (electric)

No.	Description	Index	Value	Unit
2309	Manufacturer		Delco	-
4101	Туре		50MT	-
2310	Number of starter		2	-
2312	Starter electrically redundant		-	-
2313	Rated power per starter	R	9	kW
2314	Starter, rated voltage	R	24	VDC
2315	Rated short-circuit current per starter	L	1900	А
2316	Power consumption per starter (at an engine speed of 100 rpm)	R	580	A
2317	Internal resistance of power supply + line resistance per starter	A	0.008	Ω
2318	Manufacturer		Bosch	-
4118	Туре		HEP	-
2319	Number of starter		2	-
2320	Starter electrically redundant		-	-
2321	Rated power per starter	R	11.3	kW
2322	Starter, rated voltage	R	24	VDC
2323	Rated short-circuit current per starter	L	2190	А
2324	Power consumption per starter (at an engine speed of 100 rpm)	R	750	A
2325	Internal resistance of power supply + line resistance per starter	A	0.0047	Ω
2326	Manufacturer		Prestolite	-
4119	Туре		S-152	-
2327	Number of starter		1	-
2328	Starter electrically redundant		-	-

 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

 X
 Applicable

 The module is valid for this product type
 Non-applicable

 The module is not valid for this product type
 N

 Value not named
 The value has not yet been named or will not be named

* Adequate verification not yet available (tolerance +/-10%)
** Adequate verification not yet available (tolerance +/-5%)

Design value
 Value required for the design of an external system
 (plant)
 R Guideline value
 Typical average value as information – only suitable
 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

Edition 6/19/2023 Page 19/26

- Product Data -



Name	16V4000G34F	Speed [rpm]	1500
Application Group	3E	Nominal power [kW]	2170
Dataset	Ref. 25°C/45°C	Nominal power [bhp]	2910
		Nominal power [kVA]	-
		Nominal power [kWel]	-
		Frequency [Hz]	50

Exhaust Regulations EPA Nonroad T2 Compliant;

2329	Rated power per starter	R	15	kW
2330	Starter, rated voltage	R	24	VDC
2331	Rated short-circuit current per starter	L	3000	A
2332	Power consumption per starter (at an engine speed of 100 rpm)	R	1400	A
2333	Internal resistance of power supply + line resistance per starter	A	0.0049	Ω
2334	Manufacturer		Prestolite	-
4120	Туре		S-152	-
2335	Number of starter		2	-
2336	Starter electrically redundant		Х	-
2337	Rated power per starter	R	15	kW
2338	Starter, rated voltage	R	24	VDC
2339	Rated short-circuit current per starter	L	3000	A
2340	Power consumption per starter (at an engine speed of 100 rpm)	R	1400	A
2341	Internal resistance of power supply + line resistance per starter	A	0.0049	Ω
3374	Manufacturer		Prestolite	-
4121	Туре		MS7	-
3375	Number of starter		2	-
3376	Starter electrically redundant		-	-
3377	Rated power per starter	R	9	kW
3378	Starter, rated voltage	R	24	VDC
3379	Rated short-circuit current per starter	L	1900	A
3380	Power consumption per starter (at an engine speed of 100 rpm)	R	530	A
3383	Internal resistance of power supply + line resistance per starter	A	0.005	Ω
4104	Manufacturer		Prestolite	-

 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

X Applicable The module is valid for this product type

The module is value for this product type The module is not valid for this product type N Value not named The value has not yet been named or will not be named

* Adequate verification not yet available (tolerance +/-10%)
* Adequate verification not yet available (tolerance +/-5%)

Design value
 Value required for the design of an external system
 (plant)
 R Guideline value
 Typical average value as information – only suitable
 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

Edition 6/19/2023 Page 20/26

- Product Data -



Name	16V4000G34F	Speed [rpm]	1500
Application Group	3E	Nominal power [kW]	2170
Dataset	Ref. 25°C/45°C	Nominal power [bhp]	2910
		Nominal power [kVA]	-
		Nominal power [kWel]	-
		Frequency [Hz]	50

Exhaust Regulations EPA Nonroad T2 Compliant;

4105	Туре		M128R	-
4106	Number of starter		2	-
4107	Starter electrically redundant		-	-
4108	Rated power per starter	R	9.4	kW
4109	Starter, rated voltage	R	24	VDC
4110	Rated short-circuit current per starter	L	2000	A
4111	Power consumption per starter (at an engine speed of 100 rpm)	R	600	A
4112	Power consumption per starter (at an engine speed of 100 rpm, SAE0)	R	-	A
4113	Power consumption per starter (at an engine speed of 100 rpm, SAE1)	R	-	A
4114	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 full)	R	5	S
2343	Interval between starts (at rated starting-attempt duration), min.	L	20	s
2345	Maximum acceptable starting-attempt duration	L	15	s
2344	Interval between starts (when starting-attempt duration > rated starting- attempt duration)	R	60	S
2346	Starting attempts within 30 minutes (at +20°C ambient temperature with battery full), max.	L	6	-
3565	Disengagement of starter pinion at engine Speed Note: Exceeding the guideline value of the disengagement speed will reduce the life cycle of the starter depending on how often and how much the speed has been exceeded	R	400	rpm
3566	Disengagement of starter pinion at engine speed, max.	L	500	rpm

 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

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

The module is value for this product type The module is not valid for this product type N Value not named The value has not yet been named or will not be named

* Adequate verification not yet available (tolerance +/-10%)
* Adequate verification not yet available (tolerance +/-5%)

Edition 6/19/2023 Page 21/26

- Product Data -



Name	16V4000G34F	Speed [rpm]	1500
Application Group	3E	Nominal power [kW]	2170
Dataset	Ref. 25°C/45°C	Nominal power [bhp]	2910
		Nominal power [kVA]	-
		Nominal power [kWel]	-
		Frequency [Hz]	50

Exhaust Regulations EPA Nonroad T2 Compliant;

15. Starting (pneumatic/oil pressure starter)

No.	Description	Index	Value	Unit
36	Pneumatic starter: make TDI		Х	-
5	Starting air pressure before starter motor, min.	R	8	bar
6	Starting air pressure before starter motor, max.	R	9	bar
7	Starting air pressure before starter motor, min.	L	8	bar
8	Starting air pressure before starter motor, max.	L	9	bar
18	Start attempt duration (engine preheated)	R	3	S
19	Start attempt duration (engine not preheated)	R	5	S
20	Start attempt duration, max.	L	-	S
114	Air consumption/start attempt (engine preheated) Engine without generator Control with engine controller	R	1.1	m³n
115	Air consumption/start attempt (engine not preheated) Engine without generator Control with engine controller	R	1.2	m³n
116	Air consumption with external control for air-starter (per second	R	0.6	m³n
23	Starting air tank for 3 start attempts (max. 40 bar) (engine preheated)	R	-	liter
24	Starting air tank for 3 start attempts (max. 30 bar) (engine preheated)	R	-	liter
25	Starting air tank for 6 start attempts (max. 40 bar) (engine preheated)	R	-	liter
26	Starting air tank for 6 start attempts (max. 30 bar) (engine preheated)	R	-	liter
27	Starting air tank for 10 start attempts (max. 40 bar) (engine preheated)	R	-	liter

 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

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

The module is value for this product type **Non-applicable** The module is not valid for this product type **N** Value not named The value has not yet been named or will not be named

* Adequate verification not yet available (tolerance +/-10%)
* Adequate verification not yet available (tolerance +/-5%)

Edition 6/19/2023 Page 22/26

- Product Data -



Name	16V4000G34F	Speed [rpm]	1500
Application Group	3E	Nominal power [kW]	2170
Dataset	Ref. 25°C/45°C	Nominal power [bhp]	2910
		Nominal power [kVA]	-
		Nominal power [kWel]	-
		Frequency [Hz]	50

Exhaust Regulations EPA Nonroad T2 Compliant;

	-			
28	Starting air tank for 10 start attempts (max. 30 bar) (engine preheated)	R	-	liter
29	Starting air tank for 3 start attempts (max. 40 bar) (engine not preheated)	R	N	liter
30	Starting air tank for 3 start attempts (max. 30 bar) (engine not preheated)	R	Ν	liter
31	Starting air tank for 6 start attempts (max. 40 bar) (engine not preheated)	R	Ν	liter
32	Starting air tank for 6 start attempts (max. 30 bar) (engine not preheated)	R	Ν	liter
33	Starting air tank for 10 start attempts (max. 40 bar) (engine not preheated)	R	N	liter
34	Starting air tank for 10 start attempts (max. 30 bar) (engine not preheated)	R	N	liter
101	Hydraulic starter: make Huegli		Х	-
102	Starting oil pressure before starter motor, min.	R	107	bar
103	Starting oil pressure before starter motor, max.	R	207	bar
104	Starting oil pressure before starter motor, min.	L	107	bar
105	Starting oil pressure before starter motor, max.	L	207	bar
106	Start attempt duration (engine preheated)	R	N	S
107	Start attempt duration (engine not preheated)	R	N	S
108	Start attempt duration, max.	L	N	S
109	Hydraulic oil consumption / start attempt (engine preheated)	R	N	liter
110	Hydraulic oil consumption / start attempt (engine not preheated)	R	N	liter
111	Minimum specification of hydraulic oil viscosity	R	MilSpec 5606	-

 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
 Continuous power

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

The module is value for this product type **Non-applicable** The module is not valid for this product type **N** Value not named The value has not yet been named or will not be named

* Adequate verification not yet available (tolerance +/-10%)
* Adequate verification not yet available (tolerance +/-5%)

Edition 6/19/2023 Page 23/26	Technical Sales Docu - Product Data -	ment	A Rolls-Royce solution
Name	16V4000G34F	Speed [rpm]	1500
Application Group	3E	Nominal power [kW]	2170
Dataset	Ref. 25°C/45°C	Nominal power [bhp]	2910
		Nominal power [kVA]	-
		Nominal power [kWel]	-
		Frequency [Hz]	50
Exhaust Regulations	EPA Nonroad T2 Compliant;		

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

No.	Description	Index	Value	Unit
15	Longitudinal inclination, continuous max. driving end down (Option: max. operating inclinations)	L	5	degrees (°)
16	Longitudinal inclination, temporary max. driving end down (Option: max. operating inclinations)	L	-	degrees (°)
17	Longitudinal inclination, continuous max. driving end up (Option: max. operating inclinations)	L	5	degrees (°)
18	Longitudinal inclination, temporary max. driving end up (Option: max. operating inclinations)	L	-	degrees (°)
19	Transverse inclination, continuous max. (Option: max. operating inclinations)	L	10	degrees (°)
20	Transverse inclination, temporary max. (Option: max. operating inclinations)	L	-	degrees (°)

 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

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
 N

 Value not named
 The value has not yet been named or will not be named

* Adequate verification not yet available (tolerance +/-10%)
** Adequate verification not yet available (tolerance +/-5%)

Edition 6/19/2023 Page 24/26

- Product Data -



Name	16V4000G34F	Speed [rpm]	1500
Application Group	3E	Nominal power [kW]	2170
Dataset	Ref. 25°C/45°C	Nominal power [bhp]	2910
		Nominal power [kVA]	-
		Nominal power [kWel]	-
		Frequency [Hz]	50
Exhaust Regulations	EPA Nonroad T2 Compliant;		

18. Capacities

No.	Description	Index	Value	Unit
1	Engine coolant capacity (without cooling equipment)	R	175	liter
10	Intercooler coolant capacity	R	50	liter
11	On-engine fuel capacity	R	8	liter
14	Engine oil capacity, initial filling (standard oil system) (Option: max. operating inclinations)	R	300	liter
20	Oil change quantity, max. (standard oil system) (Option: max. operating inclinations)	R	240	liter
28	Oil pan capacity, dipstick mark min. (standard oil system) (Option: max. operating inclinations)	L	210	liter
29	Oil pan capacity, dipstick mark max. (standard oil system) (Option: max. operating inclinations)	L	240	liter

 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

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 The module is value for this product type **Non-applicable** The module is not valid for this product type **N** Value not named The value has not yet been named or will not be named

* Adequate verification not yet available (tolerance +/-10%)
* Adequate verification not yet available (tolerance +/-5%)

Edition 6/19/2023 Page 25/26	Technical Sales Docur - Product Data -	ment mtu	A Rolls-Royce solution
Name	16V4000G34F	Speed [rpm]	1500
Application Group	3E	Nominal power [kW]	2170
Dataset	Ref. 25°C/45°C	Nominal power [bhp]	2910
		Nominal power [kVA]	-
		Nominal power [kWel]	-
		Frequency [Hz]	50
Exhaust Regulations	EPA Nonroad T2 Compliant;		

19. Masses / dimensions

No.	Description	Index	Value	Unit
	Engine mass, dry (basic engine configuration acc. to scope of supply specification)	R	8052	kg

 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
 Continuous power

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

Applicable
 The module is valid for this product type
 Non-applicable
 The module is not valid for this product type
 Nalue not named
 The value has not yet been named or will not be named

* Adequate verification not yet available (tolerance +/-10%)
** Adequate verification not yet available (tolerance +/-5%)

Edition 6/19/2023 Page 26/26

- Product Data -



Name	16V4000G34F	Speed [rpm]	1500
Application Group	3E	Nominal power [kW]	2170
Dataset	Ref. 25°C/45°C	Nominal power [bhp]	2910
		Nominal power [kVA]	-
		Nominal power [kWel]	-
		Frequency [Hz]	50
Exhaust Regulations	EPA Nonroad T2 Compliant;		

22. Acoustics

No.	Description	Index	Value	Unit
101	Exhaust noise, unsilenced - CP (free-field sound-pressure level Lp, 1m distance, ISO 6798, +3dB(A) tolerance)	R	110	dB(A)
201	Exhaust noise, unsilenced - CP (sound power level LW, ISO 6798, +3dB(A) tolerance)	R	123	dB(A)
103	Exhaust noise, unsilenced - CP (free-field sound-pressure level Lp, 1m distance, ISO 6798) Spectrum No.	R	737927e	-
109	Engine surface noise with attenuated intake noise (filter) - CP (free-field sound-pressure level Lp, 1m distance, ISO 6798, +2dB(A) tolerance)	R	108	dB(A)
209	Engine surface noise with attenuated intake noise (filter) - CP (sound power level LW, ISO 6798, +2dB(A) tolerance)	R	126	dB(A)
111	Engine surface noise with attenuated intake noise (filter) - CP (free-field sound-pressure level Lp, 1m distance, ISO 6798) Spectrum No.	R	737925e	-
125	Structure borne noise at engine mounting brackets in vertical direction above resilient engine mounts - CP Spectrum No.	R	737929e	-

 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

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

The module is value for this product type The module is not valid for this product type N Value not named The value has not yet been named or will not be named

* Adequate verification not yet available (tolerance +/-10%)
* Adequate verification not yet available (tolerance +/-5%)