



Marine Products Guide

October 2011





Cummins Inc., a global power leader, is a corporation of complementary business units that design, manufacture, distribute and service engines and related technologies, including fuel systems, controls, air handling, filtration, emission solutions and electrical power generation systems. Headquartered in Columbus, Indiana (USA), Cummins serves customers in more than 160 countries through its network of 550 company-owned and independent distributor facilities and more than 5,000 dealer locations.

Cummins offers a complete line of propulsion, generating set and auxiliary power solutions from 37-2013 kW (50-2700 hp) designed specifically for the challenges of commercial marine applications. Our products are supported by a global team of marine-certified distributors, offering sales, service and application expertise. Proven reliability, durability and technology. Every Time.

Learn more about Cummins marine products by visiting our website:

<http://marine.cummins.com>

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Using this guide...

Cummins understands the importance of choosing the right engine. We also acknowledge the increased cost of operating a vessel in today's marketplace and the added challenge resulting from changes in emissions regulations, especially to those operating in international waters. We have simplified the decision-making process with our product guide layout.

To begin, consider how your vessel is operated, review the ratings guidelines available on pages 3-4 and determine which rating (CON, HD, MCD, INT, Prime) best suits your application.

Then review the certification guidelines on pages 7-9 to determine which regulation (IMO Tier I or II, EPA Tier 2 or 3, or EU Stg. IIIa) applies.

Once you have determined which rating and emissions level fit your needs, refer to the matrices beginning on page 10 for rating and certification availability by power.

Finally, use the engine model pages for additional information, including fuel consumption, to help you decide which Cummins engine best fits your operating needs.

As always, refer to marine.cummins.com or consult your local Cummins professional for the most up-to-date information, including Marine Classification Society certifications.

Rating Guidelines

Rating Definitions

Ratings are based on ISO 15550 conditions of:

- Barometric pressure 100 kPa (29.612 in Hg)
- Inlet air temperature 25°C (77°F)
- 30% relative humidity

Propeller shaft power represents the net power available after typical gear losses and is 97% of rated power.

Fuel consumption has a tolerance of +/-5% and is based on fuel of 35° API gravity at 16°C (60°F) having an LHV of 42,780 KJ/KG (18,390 BTU/lb) when used at 29°C (85°F) and weighing 838.9 g/liter (7.001 lb/US gal).

Propulsion

Continuous Duty (CON)

Intended for continuous use in applications requiring uninterrupted service at full power. This rating is an ISO 15550 standard power rating.

Typical vessel applications include ocean-going displacement hulls such as fishing trawlers, freighters, tugboats, bottom drag trawlers and towboats.

Heavy Duty (HD)

Intended for continuous use in variable load applications where full power is limited to eight hours out of every 10 hours of operation. Reduced power operations must be at or below 200 RPM of the maximum rated RPM. This is an ISO 15550 fuel stop power rating and is for applications that operate 5,000 hours per year or less.

Typical vessel applications include displacement hull vessels such as mid-water trawlers, purse seiners and towboats where frequent slowing is common and engine speed and load is stable. Also used in high speed vessels such as ferries and crewboats.

Typical auxiliary applications include cargo pumps and thrusters in dynamic positioning modes.

Medium Continuous Duty (MCD)

Intended for continuous use in variable load applications where full power is limited to six hours out of every 12 hours of operation. Reduced power operations must be at or below 200 RPM of the maximum rated RPM. This rating is an ISO 15550 fuel stop power rating and is for applications that operate less than 3,000 hours per year.

Typical vessel applications include planing hull ferries, fishing boats designed for high speeds to and from fishing grounds, (non-cargo) displacement hull yachts and short trip coastal freighters where engine load and speed are cyclical. Typical auxiliary applications include powerpacks and some cargo pumps.

Intermittent Duty (INT)

Intended for intermittent use in variable load applications where full power is limited to two hours out of every eight hours of operation. Reduced power operations must be at or below 200 RPM of the maximum rated RPM. This rating is an ISO 15550 fuel stop power rating and is for applications that operate less than 1,500 hours per year.

Typical vessel applications include planing hulls such as customs, military and police vessels, charter and some fishing vessel applications. Typical auxiliary applications include hydraulic powerpacks and thrusters for maneuvering, as well as emergency fire pumps.

Auxiliary and Generator Set

Prime Power

Engines with this rating are available for an unlimited number of hours per year in variable load applications. Variable load is not to exceed a 70 percent average of the rated power during any operating period of 250 hours. Total operating time at 100 percent Prime Power shall not exceed 500 hours per year.

A 10 percent overload capability is available for a period of one hour within a 12 hour period of operation. Total operating time at the 10 percent overload power shall not exceed 25 hours per year. This power rating conforms to ISO 8528 guidelines.

Typical vessel applications include pump drives, winches, generator sets, bow thrusters and diesel electric propulsion.

ISO Average Fuel Consumption

One of the most commonly asked customer questions is, “How much fuel will that engine use in my boat?” The answer may be derived using any of the following four fuel consumption prediction methods:

- Advertised fuel consumption at rated power (single point)
- Average fuel consumption over a standard test cycle
- Average fuel consumption over a specific duty cycle
- Surrogate vessel comparison

The fuel consumption value published in the Marine Products Guide is the average fuel consumption over standard cycles recommended by the International Standard Organization (ISO 8178 E3 standard test cycle for propulsion applications and D2 for auxiliary applications). It represents the fuel consumption for a typical marine customer, as defined by ISO.

ISO 8178 E3 Standard Test Cycle*

Mode	% HP	% RPM	Weight Factor
1	100	100	0.20
2	75	91	0.50
3	50	80	0.15
4	25	63	0.15

* For “propeller-law operated main and propeller-law operated auxiliary engine” applications

ISO 8178 D2 Standard Test Cycle

Mode	% HP	% RPM	Weight Factor
1	100	100	0.05
2	75	100	0.25
3	50	100	0.30
4	25	100	0.30
5	10	100	0.10

*For “constant-speed auxiliary engine” applications

Alternatively, average fuel consumption at rated speed can be obtained from the engine datasheets available on marine.cummins.com. If you have any questions, please contact your local Cummins professional or email wave.master@cummins.com.

Fuel consumption values from engine control modules and displayed on instrument panels are not absolute. Tolerance varies, but is generally less than +/-5% when operating within 30% of rated power.

Please note: fuel consumption calculations are based on fuel of 35° API gravity at 16°C (60°F) having an LHV of 42,780 KJ/KG (18,390 BTU/lb) when used at 29°C (85°F) and weighing 838.9 g/liter (7.001 lb/US gal) with LTA when available.

Product Certifications

Emissions

Cummins engines are designed to provide customers with the highest level of reliability, durability, safety and performance. At the same time, we are committed to meeting or exceeding clean air standards worldwide. A summary of current and near-term regulations is listed below.

IMO

kW	HP	2010	2011	2012	2013	2014	2015	2016	2017
> 130	> 174	Tier I	Tier II					Tier III*	

* In emission control areas only

U.S. EPA - Tier 2 and Tier 3

Displacement (L/cyl)		2010	2011	2012	2013	2014	2015	2016	2017
< 0.9	> 75 kW	Tier 2		Tier 3					
0.9 - 1.2		Tier 2			Tier 3				
1.2 - 2.5		Tier 2				Tier 3			
2.5 - 3.5		Tier 2			Tier 3				
3.5 - 7.0		Tier 2		Tier 3					

U.S. EPA Tier 4

kW	HP	2010	2011	2012	2013	2014	2015	2016	2017
600 - 1399	805 - 1876								Tier 4
1400 - 1999	1877 - 2681							Tier 4	
2000 - 3700	2682 - 4962					Tier 4			

IMO - The International Maritime Organization has issued Regulation 13 to Annex VI of MARPOL 73/78, enforceable beginning January 1, 2000 for diesel engines above 130 kW (174 HP) installed on a vessel. This regulation exempts diesel engines used exclusively in emergency applications.

EPA - On January 1, 2004, the Environmental Protection Agency began regulating exhaust emissions of diesel engines installed on US flagged / registered vessels.

The chart is displayed for reference purposes only. See the appropriate regulation for specific details and options related to emission standards and implementation dates.

EU - The Nonroad Mobile Machinery Directive regulates exhaust emissions from various mobile sources in the European Community. As of January 1, 2007, the scope of the Directive extends to those propulsion and auxiliary engines used aboard inland waterway vessels. The Directive contains a phased implementation based upon per cylinder displacement and application of the subject engine. For all propulsion engines and auxiliary engines greater than 560 kW, Stage IIIa limits apply. For auxiliary engines less than 560 kW, Stage II limits apply.

CCNR - In July 2007 (vessel in-service), the Central Commission for the Navigation of the Rhine (CCNR) implemented its Stg II emissions regulation for diesel engines. In an amendment to the CCNR regulation, EC type certification according to the directives of the European Union is considered equal to the CCNR's Stg II certification. Therefore, engines certified to the EC Nonroad Mobile Machinery Directive will be accepted without direct certification to the CCNR regulation.

The following designations will appear on subsequent pages to identify the regulation that the engine will be certified to or compliant with once placed on the market:

- **NC** - rating is not compliant with or not applicable to current regulations
- **IMO1** - IMO Tier I compliant; Engine International Air Pollution Prevention (EIAPP) certificates available from American Bureau of Shipping or U.S. EPA
- **IMO2** - IMO Tier II compliant; per regulation, Engine International Air Pollution Prevention (EIAPP) certificates will not be issued until July 2010
- **EPA2** - EPA Tier 2 certified
- **EPA3** - EPA Tier 3 certified
- **EU** - Nonroad Mobile Machinery Directive Stage IIIa certified

Certain ratings may not be available for sale in all areas due to emissions compliance. Other local certifications may be available.

Classification Society

Cummins understands the importance of classification society certification to the commercial marine industry. Therefore, Cummins obtains type approvals from major marine classification societies worldwide including:

- American Bureau of Shipping (ABS)
- Bureau Veritas (BV)
- China Classification Society (CCS)
- Det Norske Veritas (DNV)
- Germanischer Lloyd (GL)
- Korean Register of Shipping (KR)
- Lloyds Register (LR)

To achieve this certification, Cummins designs and builds products that comply with the strictest safety standards. In accordance with marine classification society rules, Cummins offers a full line of options such as independent safety and alarm systems, dual-skinned fuel lines and duplex filtration to meet vessel certification requirements.

For more information on emission or marine classification society certification, please contact your local Cummins professional.

Propulsion Products

kW	BHP	RPM	Engine Model	Rating	Page
373	500	1800	KTA19-M3	CON	25
373	500	1800	QSK19-M	CON	27
395	530	1800	KTA19-M3	CON	25
447	600	1800	KTA19-M3	CON	25
447	600	1800	QSK19-M	CON	27
477	640	1800	KTA19-M3	HD	25
492	660	1800	QSK19-M	CON	27
522	700	2100	KTA19-M4	HD	26
559	750	1600	KTA38-M0	CON	28
560	750	1800	QSK19-M	HD	27
567	760	2100	QSK19-M	HD	27
597	800	1800	KTA38-M0	CON	28
597	800	2100	QSK19-M	MCD	27
634	850	1800	KTA38-M0	CON	28
634	850	1800	K38-M	CON	31
671	900	1600	KTA38-M1	CON	29
746	1000	1800	KTA38-M1	CON	29
746	1000	1800	K38-M	CON	31
783	1050	1600	KTA38-M2	CON	30
821	1100	1800	KTA38-M1	HD	29
895	1200	1800	KTA38-M2	CON	30
895	1200	1800	QSK38-M	CON	32
969	1300	1800	KTA38-M2	HD	30
970	1300	1800	QSK38-M	CON	32
1007	1350	1900	KTA38-M2	HD	30
1007	1350	1900	QSK38-M2	HD	32
1007	1350	1950	KTA38-M2	HD	30
1044	1400	1600	KTA50-M2	CON	34
1044	1400	1800	QSK38-M	HD	22
1044	1400	1950	KTA38-M2	MCD	30

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Propulsion Products Cont'd.

kW	BHP	RPM	Engine Model	Rating	Page
1119	1500	2050	KTA38-M2	INT	30
1193	1600	1800	KTA50-M2	CON	34
1193	1600	1800	QSK50-M	CON	35
1193	1600	1900	KTA50-M2	HD	34
1268	1700	1800	KTA50-M2	HD	34
1268	1700	1800	QSK50-M	CON	35
1342	1800	1800	QSK50-M	HD	35
1342	1800	1900	KTA50-M2	HD	34
1342	1800	1900	QSK50-M	HD	35
1398	1875	1950	KTA50-M2	MCD	34
1491	2000	1600	QSK60-M HPI	CON	37
1491	2000	1600	QSK60-M MCRS	CON	38
1491	2000	1800	QSK60-M HPI	CON	37
1491	2000	1800	QSK60-M MCRS	CON	38
1641	2200	1800	QSK60-M HPI	CON	37
1641	2200	1800	QSK60-MCRS	CON	38
1715	2300	1900	QSK60-M HPI	HD	37
1715	2300	1900	QSK60-M MCRS	HD	38
1864	2500	1900	QSK60-M HPI	MCD	37
1864	2500	1900	QSK60-M MCRS	MCD	38

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Auxiliary Products

kW	HP	Hz	Engine Model	Page
75	100	60	6BTA5.9-D(M)	41
78	104	50	6BT5.9-D(M)	40
91	122	50	6BT5.9-D(M)	40
91	122	60	65T5.9-D(M)	40
93	125	60	6BTA5.9-D(M)	41
98	132	60	QSB7-DM	42
112	150	60	6BT5.9-D(M)	40
112	150	60	QSB7-DM	42
122	164	50	6CT8.3-D(M)	43
122	164	50	QSB7-DM	42
130	174	60	QSB7-DM	42
140	188	60	6CT8.3-D(M)	43
142	190	60	QSB7-DM	42
163	219	50	6CTA8.3-D(M)	44
164	220	50	6CTA8.3-D(M)	44
164	220	50	QSB7-DM	42
181	242	60	6CTA8.3-D(M)	44
186	250	60	QSB7-DM	42
188	252	60	6CTA8.3-D(M)	44
201	270	60	6CTA8.3-DM	45
209	280	50	NT855-D(M)	47
210	282	60	QSB7-DM	42
231	310	50	NT855-D(M)	47
242	325	50	NT855-D(M)	47
254	340	60	NT855-D(M)	47
265	355	60	NT855-D(M)	47
265	355	50	QSM11-DM	46
265	355	60	QSM11-DM	46
280	375	50	NTA855-D(M)	48
295	395	60	NT855-D(M)	47

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Auxiliary Products Cont'd.

kW	HP	Hz	Engine Model	Page
306	410	50	NTA855-D(M)	48
313	420	60	NTA855-D(M)	48
317	425	60	QSM11-DM	46
336	450	50	KTA19-D(M)	49
358	480	50	KTA19-D(M1)	50
358	480	60	NTA855-D(M)	48
392	525	60	KTA19-D(M)	49
403	540	50	KTA19-D(M)	49
410	550	50	KTA19-D(M1)	50
425	570	60	KTA19-D(M1)	50
433	580	50	QSK19-DM	51
448	600	50	KTA19-D(M)	49
463	620	60	KTA19-D(M)	49
485	650	60	KTA19-D(M1)	50
507	680	60	KTA19-D(M)	49
515	690	60	VTA28-D(M)	52
560	750	50	VTA28-D(M)	52
560	750	60	VTA28-D(M)	52
563	755	60	QSK19-DM	51
608	815	60	VTA28-D(M)	52
634	850	50	KTA38-D(M)	53
664	890	50	KTA38-D(M)	53
746	1000	50	KTA38-D(M1)	54
768	1030	60	KTA38-D(M)	53
806	1080	50	KTA38-D(M)	53
809	1085	60	KTA38-D(M)	53
821	1100	60	KTA38-D(M1)	54
880	1180	50	KTA38-D(M)	53
880	1180	50	KTA38-D(M1)	54
880	1180	50	KTA50-D(M)	57

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Auxiliary Products Cont'd.

kW	HP	Hz	Engine Model	Page
910	1220	60	KTA38-D(M)	53
970	1300	60	KTA38-D(M1)	54
984	1320	50	QSK38-DM	55
1000	1340	60	KTA50-D(M)	57
1007	1350	60	KTA38-D(M)	53
1007	1350	60	KTA50-D(M)	57
1007	1350	50	KTA50-D(M1)	58
1044	1400	60	QSK38-DM	55
1097	1470	50	KTA50-D(M)	57
1097	1470	50	KTA50-D(M1)	58
1141	1530	60	KTA50-D(M1)	58
1216	1630	50	QSK50-DM	59
1220	1635	60	KTA50-D(M)	57
1291	1730	60	KTA50-D(M1)	58
1343	1800	60	QSK50-DM	59
1563	2095	50	QSK60-DM HPI	61
1563	2095	50	QSK60-DM MCRS	62
1900	2547	60	QSK60-DM HPI	61
1900	2547	60	QSK60-DM MCRS	62

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Generator Sets

C Power for Prime Power Applications

kWe	Frequency (Hz)	Engine Model	Page
80	50	6B-CP80DM/5	64
99	60	6B-CP99DM/6	64
136	50	6C-CP136DM/5	66
160	60	6C-CP170DM/6	66
170	60	6C-CP170DM/6	66
335	50	K19-CP335DM/5	68
380	50	K19-CP380DM/5	68
390	50	K19-CP380DM/5	68
400	60	K19-CP400DM/6	68
450	60	K19-CP460DM/6	68
460	60	K19-CP460DM/6	68
764	50	K38-CP765DM/5	69
804	50	K38-CP765DM/5	69
832	50	K38-CP765DM/5	69
845	50	K38-CP765DM/5	69
888	60	K38-CP920DM/6	69
920	60	K38-CP920DM/6	69
1050	50	K50-CP1005DM/5	70
1240	60	K50-CP1240DM/6	70

C Safe for Emergency Genset Applications

kWe	Frequency (Hz)	Engine Model	Page
74	50	6B-CS74DM/5	65
92	60	6B-CS92DM/6	65
136	50	6C-CS136DM/5	67
152	60	6C-CS152DM/6	67

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CCEC Products

Propulsion Products

kW	BHP	RPM	Engine Model	Rating	Page
179	240	1800	NT855-M CCEC	CON	82
201	270	1800	NT855-M CCEC	CON	82
224	300	1800	NT855-M CCEC	CON	82
261	350	1800	NTA855-M CCEC	CON	83
298	400	1800	NTA855-M CCEC	CON	83
317	425	1800	KT19-M CCEC	CON	84
336	450	1800	NTA855-M CCEC	CON	83
351	470	1800	KTA19-M CCEC	CON	85
373	500	1800	KTA19-M CCEC	CON	85

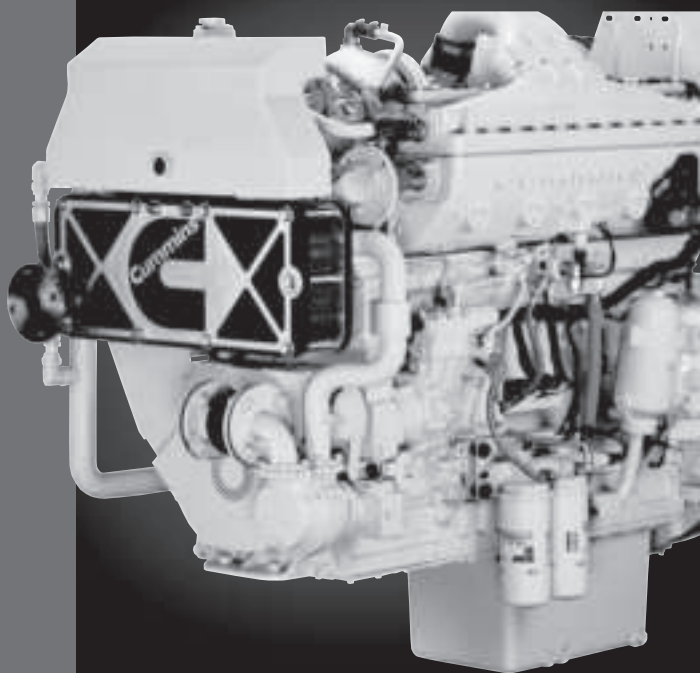
Auxiliary Products

kW	HP	Hz	Engine Model	Page
180	241	50	NT855-D(M) CCEC	86
240	322	50	NTA855-D(M) CCEC	87
284	380	50	NTA855-D(M) CCEC	87
287	385	60	NTA855-D(M) CCEC	87
313	420	60	NTA855-D(M) CCEC	87
317	425	50	NTA855-D(M) CCEC	87
336	450	50	KTA19-D(M) CCEC	88
392	525	60	KTA19-D(M) CCEC	88

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Propulsion Products



KTA19-M3

Main Propulsion

General Specifications

Configuration	In-line, 6 cylinder, 4-stroke diesel	
Aspiration	Turbocharged/Aftercooled	
Displacement	19 L	1150 in ³
Bore & Stroke	159 x 159 mm	6.25 x 6.25 in
Fuel System	Pressure Time (PT)	

Commercial Ratings

kW	BHP	RPM	ISO Fuel Cons		Rating	Emissions
			L/hr	Gal/hr		
373	500	1800	66.4	17.5	CON	IMO1
395	530	1800	70.7	18.7	CON	IMO1
447	600	1800	79.8	21.1	CON	IMO1
447	600	1800	82.5	21.8	CON	IMO2
477	640	1800	84.1	22.2	HD	IMO1

For more information on average fuel consumption, ratings and emissions, see pages 3-9

Product Dimensions

Length	mm (in)	1877	(74)
Width	mm (in)	1003	(40)
Height	mm (in)	1905	(75)
Weight	kg (lb)	2073	(4570)

Dimensions may vary based on selected engine configuration

KTA19-M4

Main Propulsion

General Specifications

Configuration	In-line, 6 cylinder, 4-stroke diesel	
Aspiration	Turbocharged/Aftercooled	
Displacement	19 L	1150 in ³
Bore & Stroke	159 x 159 mm	6.25 x 6.25 in
Fuel System	Pressure Time (PT)	

Commercial Ratings

kW	BHP	RPM	ISO Fuel Cons		Rating	Emissions
			L/hr	Gal/hr		
522	700	2100	91.7	24.3	HD	IMO1

For more information on average fuel consumption, ratings and emissions, see pages 3-9

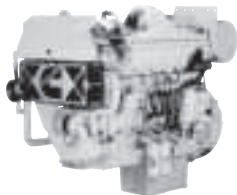
Product Dimensions

Length	mm (in)	1877	(74)
Width	mm (in)	1003	(40)
Height	mm (in)	1905	(75)
Weight	kg (lb)	2073	(4570)

Dimensions may vary based on selected engine configuration

QSK19-M

Main Propulsion



General Specifications

Configuration	In-line, 6 cylinder, 4-stroke diesel	
Aspiration	Turbocharged/Aftercooled	
Displacement	19 L	1150 in ³
Bore & Stroke	159 x 159 mm	6.25 x 6.25 in
Fuel System	Modular Common Rail (MCRS)	

Commercial Ratings

kW	BHP	RPM	ISO Fuel Cons		Rating	Emissions
			L/hr	Gal/hr		
373	500	1800	68.8	18.2	CON	IMO2/EPA2/EU
447	600	1800	77.7	20.5	CON	IMO2/EPA2/EU
492	660	1800	94.9	25.1	CON	IMO2/EPA2/EU
492	600	1800	N/A	N/A	CON	EPA3*
560	750	1800	99.2	26.2	HD	IMO2/EPA2/EU
560	750	1800	N/A	N/A	HD	EPA3*
567	760	2100	104.0	27.5	HD	IMO2/EPA2/EU
567	760	2100	N/A	N/A	HD	EPA3*
597	800	2100	109.7	29.0	MCD	IMO2/EPA2/EU
597	800	2100	N/A	N/A	MCD	EPA3*

For more information on average fuel consumption, ratings and emissions, see pages 3-9

Product Dimensions

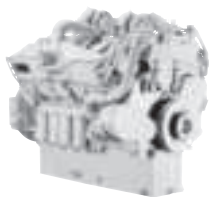
Length	mm (in)	2007	(79)
Width	mm (in)	963	(38)
Height	mm (in)	1880	(74)
Weight	kg (lb)	2189	(4825)

Dimensions may vary based on selected engine configuration

* Contact your local Cummins professional for availability

KTA38-M0

Main Propulsion



General Specifications

Configuration	V-12 cylinder, 4-stroke diesel	
Aspiration	Turbocharged/Aftercooled	
Displacement	38 L	2300 in ³
Bore & Stroke	159 x 159 mm	6.25 x 6.25 in
Fuel System	Pressure Time (PT)	

Commercial Ratings

kW	BHP	RPM	ISO Fuel Cons		Rating	Emissions
			L/hr	Gal/hr		
559	750	1600	102.6	27.1	CON	IMO1
597	800	1800	106.4	28.1	CON	IMO1
634	850	1800	115.9	30.6	CON	IMO1

For more information on average fuel consumption, ratings and emissions, see pages 3-9

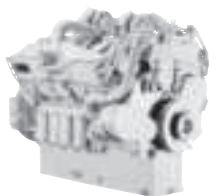
Product Dimensions

Length	mm (in)	2152	(84)
Width	mm (in)	1462	(58)
Height	mm (in)	2083	(82)
Weight	kg (lb)	4218	(9300)

Dimensions may vary based on selected engine configuration

KTA38-M1

Main Propulsion



General Specifications

Configuration	V-12 cylinder, 4-stroke diesel	
Aspiration	Turbocharged/Aftercooled	
Displacement	38 L	2300 in ³
Bore & Stroke	159 x 159 mm	6.25 x 6.25 in
Fuel System	Pressure Time (PT)	

Commercial Ratings

kW	BHP	RPM	ISO Fuel Cons		Rating	Emissions
			L/hr	Gal/hr		
671	900	1600	120.0	31.7	CON	IMO1
746	1000	1800	132.3	34.9	CON	IMO1
821	1100	1800	144.8	38.3	HD	IMO1

For more information on average fuel consumption, ratings and emissions, see pages 3-9

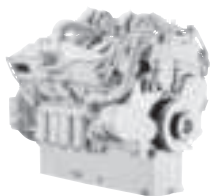
Product Dimensions

Length	mm (in)	2152	(84)
Width	mm (in)	1462	(58)
Height	mm (in)	2083	(82)
Weight	kg (lb)	4218	(9300)

Dimensions may vary based on selected engine configuration

KTA38-M2

Main Propulsion



General Specifications

Configuration	V-12 cylinder, 4-stroke diesel	
Aspiration	Turbocharged/Aftercooled	
Displacement	38 L	2300 in ³
Bore & Stroke	159 x 159 mm	6.25 x 6.25 in
Fuel System	Pressure Time (PT)	

Commercial Ratings

kW	BHP	RPM	ISO Fuel Cons		Rating	Emissions
			L/hr	Gal/hr		
783	1050	1600	138.0	36.5	CON	IMO1
895	1200	1800	155.2	41.0	CON	IMO1
895	1200	1800	162.0	42.8	CON	IMO2
969	1300	1800	158.2	41.8	HD	IMO1
1007	1350	1900	172.6	45.6	HD	IMO1
1007	1350	1900	181.3	47.9	HD	IMO2
1007	1350	1950	174.1	46.0	HD	IMO1
1044	1400	1950	179.0	47.3	MCD	IMO1
1119	1500	2050	197.6	52.2	INT	IMO1

For more information on average fuel consumption, ratings and emissions, see pages 3-9

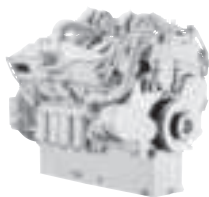
Product Dimensions

Length	mm (in)	2152	(84)
Width	mm (in)	1462	(58)
Height	mm (in)	2083	(82)
Weight	kg (lb)	4218	(9300)

Dimensions may vary based on selected engine configuration

K38-M

Main Propulsion



General Specifications

Configuration	V-12 cylinder, 4-stroke diesel	
Aspiration	Turbocharged/Aftercooled	
Displacement	38 L	2300 in ³
Bore & Stroke	159 x 159 mm	6.25 x 6.25 in
Fuel System	Pressure Time (PT)	

Commercial Ratings

kW	BHP	RPM	ISO Fuel Cons		Rating	Emissions
			L/hr	Gal/hr		
634	850	1800	113.6	30.0	CON	IMO2/EPA2/EU
746	1000	1800	132.9	35.1	CON	IMO2/EPA2/EU

For more information on average fuel consumption, ratings and emissions, see pages 3-9

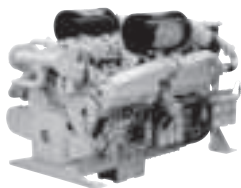
Product Dimensions

Length	mm (in)	2152	(84)
Width	mm (in)	1462	(58)
Height	mm (in)	2083	(82)
Weight	kg (lb)	4218	(9300)

Dimensions may vary based on selected engine configuration

QSK38-M

Main Propulsion



General Specifications

Configuration	V-12 cylinder, 4-stroke diesel	
Aspiration	Turbocharged/Aftercooled	
Displacement	38 L	2300 in ³
Bore & Stroke	159 x 159 mm	6.25 x 6.25 in
Fuel System	Modular Common Rail (MCRS)	

Commercial Ratings

kW	BHP	RPM	ISO Fuel Cons		Rating	Emissions
			L/hr	Gal/hr		
895	1200	1800	165.5	43.7	CON	IMO2/EPA2/EU
970	1300	1800	179.0	47.3	CON	IMO2/EPA2/EU
1007	1350	1900	188.1	49.7	HD	IMO2/EPA2/EU
1044	1400	1800	189.7	50.1	HD	IMO2/EPA2/EU

For more information on average fuel consumption, ratings and emissions, see pages 3-9

Product Dimensions

Length	mm (in)	2688	(106)
Width	mm (in)	1642	(65)
Height	mm (in)	2108	(83)
Weight	kg (lb)	4640	(10230)

Dimensions may vary based on selected engine configuration

QSK38-M1

Main Propulsion



General Specifications

Configuration	V-12 cylinder, 4-stroke diesel		
Aspiration	Turbocharged/Aftercooled		
Displacement	38 L	2300 in ³	
Bore & Stroke	159 x 159 mm	6.25 x 6.25 in	
Fuel System	Modular Common Rail (MCRS)		

Commercial Ratings

EPA Tier 3 ratings

COMING SOON

For more information on average fuel consumption, ratings and emissions, see pages 3-9

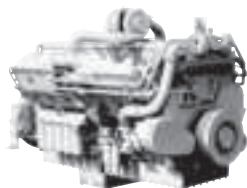
Product Dimensions

Length	mm (in)	N/A	N/A
Width	mm (in)	N/A	N/A
Height	mm (in)	N/A	N/A
Weight	kg (lb)	N/A	N/A

Dimensions may vary based on selected engine configuration

KTA50-M2

Main Propulsion



General Specifications

Configuration	V-16 cylinder, 4-stroke diesel	
Aspiration	Turbocharged/Aftercooled	
Displacement	50 L	3067 in ³
Bore & Stroke	159 x 159 mm	6.25 x 6.25 in
Fuel System	Pressure Time (PT)	

Commercial Ratings

kW	BHP	RPM	ISO Fuel Cons		Rating	Emissions
			L/hr	Gal/hr		
1044	1400	1600	179.0	47.3	CON	IMO1
1193	1600	1800	209.1	55.2	CON	IMO1
1193	1600	1800	209.7	55.4	CON	IMO2
1193	1600	1900	208.5	55.1	HD	IMO1
1268	1700	1800	221.2	58.4	HD	IMO1
1342	1800	1900	232.8	61.5	HD	IMO1
1342	1800	1900	236.6	62.5	HD	IMO2
1398	1875	1950	248.7	65.7	MCD	IMO1

For more information on average fuel consumption, ratings and emissions, see pages 3-9

Product Dimensions

Length	mm (in)	2694	(106)
Width	mm (in)	1564	(62)
Height	mm (in)	2260	(89)
Weight	kg (lb)	5166	(11389)

Dimensions may vary based on selected engine configuration

QSK50-M

Main Propulsion



General Specifications

Configuration	V-16 cylinder, 4-stroke diesel	
Aspiration	Turbocharged/Aftercooled	
Displacement	50 L	3068 in ³
Bore & Stroke	159 x 159 mm	6.25 x 6.25 in
Fuel System	Modular Common Rail (MCRS)	

Commercial Ratings

kW	BHP	RPM	ISO Fuel Cons		Rating	Emissions
			L/hr	Gal/hr		
1193	1600	1800	221.7	58.6	CON	IMO2/EPA2/EU
1268	1700	1800	227.9	60.2	CON	IMO2/EPA2/EU
1342	1800	1800	245.2	64.8	HD	IMO2/EPA2/EU
1342	1800	1900	221.7	58.6	HD	IMO2/EPA2/EU

For more information on average fuel consumption, ratings and emissions, see pages 3-9

Product Dimensions

Length	mm (in)	3186	(125)
Width	mm (in)	1642	(65)
Height	mm (in)	2108	(83)
Weight	kg (lb)	6615	(14584)

Dimensions may vary based on selected engine configuration

QSK50-M1

Main Propulsion

General Specifications

Configuration	V-16 cylinder, 4-stroke diesel		
Aspiration	Turbocharged/Aftercooled		
Displacement	50 L	3068 in ³	
Bore & Stroke	159 x 159 mm	6.25 x 6.25 in	
Fuel System	Modular Common Rail (MCRS)		

Commercial Ratings

EPA Tier 3 ratings

COMING SOON

For more information on average fuel consumption, ratings and emissions, see pages 3-9

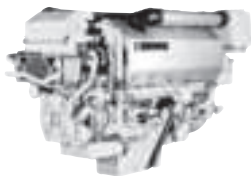
Product Dimensions

Length	mm (in)	N/A	N/A
Width	mm (in)	N/A	N/A
Height	mm (in)	N/A	N/A
Weight	kg (lb)	N/A	N/A

Dimensions may vary based on selected engine configuration

QSK60-M HPI

Main Propulsion



General Specifications

Configuration	V-16 cylinder, 4-stroke diesel	
Aspiration	Turbocharged/Aftercooled	
Displacement	60.2 L	3672 in ³
Bore & Stroke	159 x 190 mm	6.25 x 7.48 in
Fuel System	High Pressure Injection - Pressure Time (HPI-PT)	

Commercial Ratings

kW	BHP	RPM	ISO Fuel Cons		Rating	Emissions
			L/hr	Gal/hr		
1491	2000	1600	252.0	66.6	CON	IMO1
1491	2000	1800	256.4	67.7	CON	IMO1
1641	2200	1800	278.6	73.6	CON	IMO1
1715	2300	1900	294.1	77.7	HD	IMO1
1864	2500	1900	313.9	82.9	MCD	IMO1

For more information on average fuel consumption, ratings and emissions, see pages 3-9

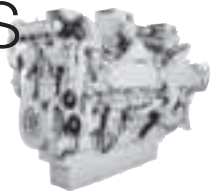
Product Dimensions

Length	mm (in)	3357	(132)
Width	mm (in)	1760	(69)
Height	mm (in)	2409	(95)
Weight	kg (lb)	8754	(19300)

Dimensions may vary based on selected engine configuration

QSK60-M MCRS

Main Propulsion



General Specifications

Configuration	V-16 cylinder, 4-stroke diesel	
Aspiration	Turbocharged/Aftercooled	
Displacement	60.2 L	3672 in ³
Bore & Stroke	159 x 190 mm	6.25 x 7.48 in
Fuel System	Modular Common Rail (MCRS)	

Commercial Ratings

kW	BHP	RPM	ISO Fuel Cons		Rating	Emissions
			L/hr	Gal/hr		
1491	2000	1600	255.6	67.5	CON	IMO2/EPA2/EU
1491	2000	1600	N/A	N/A	CON	EPA3
1491	2000	1800	257.5	68.0	CON	IMO2/EPA2/EU
1641	2200	1800	280.8	74.2	CON	IMO2/EPA2/EU
1641	2200	1800	N/A	N/A	CON	EPA3
1715	2300	1900	296.3	78.3	HD	IMO2/EPA2/EU
1864	2500	1900	322.6	85.2	MCD	IMO2/EPA2/EU
2013	2700	1900	348.1	92.0	INT	IMO2/EPA2/EU
2013	2700	1900	N/A	N/A	INT	EPA3

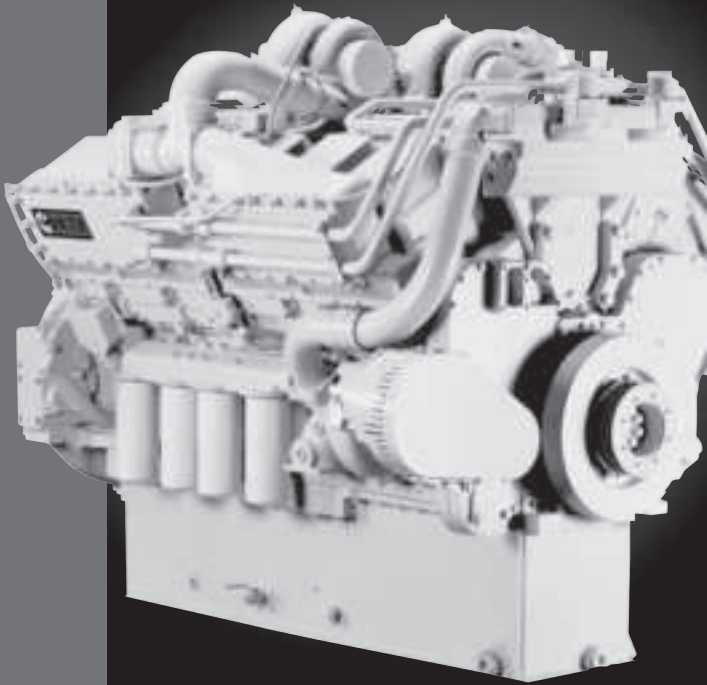
For more information on average fuel consumption, ratings and emissions, see pages 3-9

Product Dimensions

Length	mm (in)	3290	(130)
Width	mm (in)	1757	(69)
Height	mm (in)	2415	(95)
Weight	kg (lb)	8754	(19300)

Dimensions may vary based on selected engine configuration

Auxiliary Products



6BT5.9-D(M)

Marine Auxiliary

General Specifications

Configuration	In-line, 6 cylinder, 4-stroke diesel		
Aspiration	Turbocharged		
Displacement	5.9 L	359 in ³	
Bore & Stroke	102 x 120 mm	4.02 x 4.75 in	
Fuel System	Inline Injection Pump		

Prime Power Ratings

Output Power		Hz	ISO Fuel Cons		Emissions
kW	BHP		L/hr	Gal/hr	
78	104	50	10.7	2.8	NC
91	122	50	11.3	3.0	NC
91	122	60	12.7	3.3	NC
112	150	60	14.0	3.7	NC

* Ratings below 130 kW are not subject to IMO emission regulations

For more information on average fuel consumption, ratings and emissions, see pages 3-9

Product Dimensions

Length	mm (in)	1020	(40)
Width	mm (in)	601	(24)
Height	mm (in)	1201	(47)
Weight	kg (lb)	426	(940)

Dimensions may vary based on selected engine configuration

6BTA5.9-DM

Marine Auxiliary

General Specifications

Configuration	In-line, 6 cylinder, 4-stroke diesel		
Aspiration	Turbocharged/Aftercooled		
Displacement	5.9 L	359 in ³	
Bore & Stroke	102 x 120 mm	4.02 x 4.75 in	
Fuel System	Inline Injection Pump		

Prime Power Ratings

Output Power		Hz	ISO Fuel Cons		Emissions*
kW	BHP		L/hr	Gal/hr	
75	100	60	12.1	3.2	EPA2
93	125	60	14.1	3.7	EPA2

* Ratings below 130 kW are not subject to IMO emission regulations

For more information on average fuel consumption, ratings and emissions, see pages 3-9

Product Dimensions

Length	mm (in)	1051	(41)
Width	mm (in)	681	(27)
Height	mm (in)	1201	(47)
Weight	kg (lb)	426	(940)

Dimensions may vary based on selected engine configuration

QSB7-DM

Marine Auxiliary



General Specifications

Configuration	In-line, 6 cylinder, 4-stroke diesel	
Aspiration	Turbocharged	
Displacement	6.7 L	408 in ³
Bore & Stroke	107 x 124 mm	4.21 x 4.88 in
Fuel System	High Pressure Common Rail	

Prime Power Ratings

Output Power		Hz	ISO Fuel Cons		Emissions
kW	BHP		L/hr	Gal/hr	
122	164	50	17.2	4.6	IMO2/EU
164	220	50	22.7	6.0	IMO2/EU
98	132	60	15.0	4.0	IMO2/EPA3
112	150	60	16.6	4.4	IMO2/EPA3
130	174	60	18.4	4.9	IMO2/EPA3
142	190	60	19.8	5.2	IMO2/EPA3
186	250	60	25.3	6.7	IMO2/EPA3
210	282	60	28.2	7.4	IMO2/EPA3

* Ratings below 130 kW are not subject to IMO emission regulations

For more information on average fuel consumption, ratings and emissions, see pages 3-9

Product Dimensions

Length	mm (in)	1283	(50.5)
Width	mm (in)	952	(37.5)
Height	mm (in)	994	(39.1)
Weight	kg (lb)	1561	(709.5)

Dimensions may vary based on selected engine configuration

6CT8.3-D(M)

Marine Auxiliary

General Specifications

Configuration	In-line, 6 cylinder, 4-stroke diesel		
Aspiration	Turbocharged		
Displacement	8.3 L	504.5 in ³	
Bore & Stroke	114 x 135 mm	4.49 x 5.32 in	
Fuel System	Inline Injection Pump		

Prime Power Ratings

Output Power		Hz	ISO Fuel Cons		Emissions
kW	BHP		L/hr	Gal/hr	
122	164	50	14.9	3.9	NC
140	188	60	18.7	4.9	IMO1

* Ratings below 130 kW are not subject to IMO emission regulations

For more information on average fuel consumption, ratings and emissions, see pages 3-9

Product Dimensions

Length	mm (in)	1182	(47)
Width	mm (in)	710	(28)
Height	mm (in)	1137	(45)
Weight	kg (lb)	684	(1505)

Dimensions may vary based on selected engine configuration

6CTA8.3-D(M)

Marine Auxiliary

General Specifications

Configuration	In-line, 6 cylinder, 4-stroke diesel		
Aspiration	Turbocharged/Aftercooled		
Displacement	8.3 L	504.5 in ³	
Bore & Stroke	114 x 135 mm	4.49 x 5.32 in	
Fuel System	Inline Injection Pump		

Prime Power Ratings

Output Power		Hz	ISO Fuel Cons		Emissions
kW	BHP		L/hr	Gal/hr	
163	219	50	19.3	5.1	IMO1
164	220	50	20.5	5.4	IMO1
181	242	60	23.4	6.2	IMO1
188	252	60	23.0	6.1	IMO1

For more information on average fuel consumption, ratings and emissions, see pages 3-9

Product Dimensions

Length	mm (in)	1182	(47)
Width	mm (in)	710	(28)
Height	mm (in)	1137	(45)
Weight	kg (lb)	702	(1545)

Dimensions may vary based on selected engine configuration

6CTA8.3-DM

Marine Auxiliary

General Specifications

Configuration	In-line, 6 cylinder, 4-stroke diesel		
Aspiration	Turbocharged/Aftercooled		
Displacement	8.3 L	504.5 in ³	
Bore & Stroke	114 x 135 mm	4.49 x 5.32 in	
Fuel System	Inline Injection Pump		

Prime Power Ratings

Output Power		Hz	ISO Fuel Cons		Emissions
kW	BHP		L/hr	Gal/hr	
201	270	60	27.1	7.2	IMO2/EPA2

For more information on average fuel consumption, ratings and emissions, see pages 3-9

Product Dimensions

Length	mm (in)	1182	(47)
Width	mm (in)	710	(28)
Height	mm (in)	1137	(45)
Weight	kg (lb)	702	(1545)

Dimensions may vary based on selected engine configuration

QSM11-DM

Marine Auxiliary

General Specifications

Configuration	In-line, 6 cylinder, 4-stroke diesel		
Aspiration	Turbocharged/Aftercooled		
Displacement	10.8 L	661 in ³	
Bore & Stroke	125 x 147 mm	4.92 x 5.79 in	
Fuel System	CELECT		

Prime Power Ratings

Output Power		Hz	ISO Fuel Cons		Emissions
kW	BHP		L/hr	Gal/hr	
265	355	50	32.1	8.5	IMO2/EPA2
265	355	60	33.7	8.9	IMO2/EPA2
317	425	60	39.2	10.4	IMO2/EPA2

For more information on average fuel consumption, ratings and emissions, see pages 3-9

Product Dimensions

Length	mm (in)	1475	(58)
Width	mm (in)	1081	(43)
Height	mm (in)	1039	(41)
Weight	kg (lb)	1118	(2464)

Dimensions may vary based on selected engine configuration

NT855-D(M)

Marine Auxiliary

General Specifications

Configuration	In-line, 6 cylinder, 4-stroke diesel	
Aspiration	Turbocharged	
Displacement	14 L	855 in ³
Bore & Stroke	140 x 152 mm	5.50 x 6.00 in
Fuel System	Pressure Time (PT)	

Prime Power Ratings

Output Power		Hz	ISO Fuel Cons		Emissions
kW	BHP		L/hr	Gal/hr	
209	280	50	N/A	N/A	NC
231	310	50	N/A	N/A	NC
242	325	50	N/A	N/A	NC
254	340	60	N/A	N/A	NC
265	355	60	N/A	N/A	NC
295	395	60	N/A	N/A	NC

For more information on average fuel consumption, ratings and emissions, see pages 3-9

Product Dimensions

Length	mm (in)	1298	(61)
Width	mm (in)	817	(32)
Height	mm (in)	1367	(53)
Weight	kg (lb)	1388	(3060)

Dimensions may vary based on selected engine configuration

NTA855-D(M)

Marine Auxiliary

General Specifications

Configuration	In-line, 6 cylinder, 4-stroke diesel	
Aspiration	Turbocharged/Aftercooled	
Displacement	14 L	855 in ³
Bore & Stroke	140 x 152 mm	5.50 x 6.00 in
Fuel System	Pressure Time (PT)	

Prime Power Ratings

Output Power		Hz	ISO Fuel Cons		Emissions
kW	BHP		L/hr	Gal/hr	
280	375	50	N/A	N/A	NC
306	410	50	N/A	N/A	NC
313	420	60	N/A	N/A	NC
358	480	60	N/A	N/A	NC

For more information on average fuel consumption, ratings and emissions, see pages 3-9

Product Dimensions

Length	mm (in)	1298	(61)
Width	mm (in)	817	(32)
Height	mm (in)	1367	(53)
Weight	kg (lb)	1433	(3160)

Dimensions may vary based on selected engine configuration

KTA19-D(M)

Marine Auxiliary

General Specifications

Configuration	In-line, 6 cylinder, 4-stroke diesel	
Aspiration	Turbocharged/Aftercooled	
Displacement	19 L	1150 in ³
Bore & Stroke	159 x 159 mm	6.25 x 6.25 in
Fuel System	Pressure Time (PT)	

Prime Power Ratings

Output Power		Hz	ISO Fuel Cons		Emissions
kW	BHP		L/hr	Gal/hr	
336	450	50	44.8	11.8	NC
392	525	60	53.6	14.2	NC
403	540	50	49.5	13.1	IMO1
448	600	50	54.2	14.3	NC
463	620	60	59.3	15.7	IMO1
507	680	60	62.5	16.5	NC

For more information on average fuel consumption, ratings and emissions, see pages 3-9

Product Dimensions

Length	mm (in)	1877	(74)
Width	mm (in)	1003	(40)
Height	mm (in)	1905	(75)
Weight	kg (lb)	2073	(4570)

Dimensions may vary based on selected engine configuration

KTA19-D(M1)

Marine Auxiliary

General Specifications

Configuration	In-line, 6 cylinder, 4-stroke diesel	
Aspiration	Turbocharged/Aftercooled	
Displacement	19 L	1150 in ³
Bore & Stroke	159 x 159 mm	6.25 x 6.25 in
Fuel System	Pressure Time (PT)	

Prime Power Ratings

Output Power		Hz	ISO Fuel Cons		Emissions
kW	BHP		L/hr	Gal/hr	
358	480	50	47.1	12.5	IMO1
358	480	50	47.3	12.5	IMO2
410	550	50	52.5	13.9	IMO1
410	550	50	52.6	13.9	IMO2
425	570	60	58.8	15.5	IMO1
425	570	60	58.7	15.5	IMO2
485	650	60	64.7	17.1	IMO1
485	650	60	64.7	17.1	IMO2

For more information on average fuel consumption, ratings and emissions, see pages 3-9

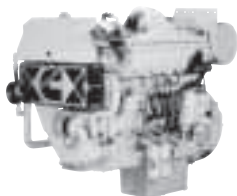
Product Dimensions

Length	mm (in)	1877	(74)
Width	mm (in)	1003	(40)
Height	mm (in)	1905	(75)
Weight	kg (lb)	2073	(4570)

Dimensions may vary based on selected engine configuration

QSK19-DM

Marine Auxiliary



General Specifications

Configuration	In-line, 6 cylinder, 4-stroke diesel	
Aspiration	Turbocharged/Aftercooled	
Displacement	19 L	1150 in ³
Bore & Stroke	159 x 159 mm	6.25 x 6.25 in
Fuel System	Modular Common Rail (MCRS)	

Prime Power Ratings

Output Power		Hz	ISO Fuel Cons		Emissions
kW	BHP		L/hr	Gal/hr	
433	580	50	57.9	15.3	IMO2/EPA2
433	580	50	N/A	N/A	EPA3*
563	755	60	72.4	18.8	IMO2/EPA2/EU
563	755	60	N/A	N/A	EPA3*

For more information on average fuel consumption, ratings and emissions, see pages 3-9

Product Dimensions

Length	mm (in)	2007	(79)
Width	mm (in)	963	(38)
Height	mm (in)	1880	(74)
Weight	kg (lb)	2189	(4825)

Dimensions may vary based on selected engine configuration

*** Contact your local Cummins professional for availability**

VTA28-D(M)

Marine Auxiliary

General Specifications

Configuration	V-12 cylinder, 4-stroke diesel		
Aspiration	Turbocharged/Aftercooled		
Displacement	28 L	1710 in ³	
Bore & Stroke	140 x 152 mm	5.50 x 6.00 in	
Fuel System	Pressure Time (PT)		

Prime Power Ratings

Output Power		Hz	ISO Fuel Cons		Emissions
kW	BHP		L/hr	Gal/hr	
515	690	60	N/A	N/A	NC
560	750	50	N/A	N/A	IMO1
560	750	60	N/A	N/A	NC
608	815	60	N/A	N/A	IMO1

For more information on average fuel consumption, ratings and emissions, see pages 3-9

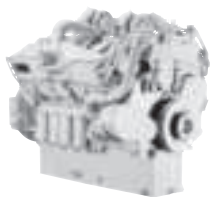
Product Dimensions

Length	mm (in)	1900	(75)
Width	mm (in)	995	(39)
Height	mm (in)	1641	(65)
Weight	kg (lb)	2901	(6395)

Dimensions may vary based on selected engine configuration

KTA38-D(M)

Marine Auxiliary



General Specifications

Configuration	V-12 cylinder, 4-stroke diesel	
Aspiration	Turbocharged/Aftercooled	
Displacement	38 L	2300 in ³
Bore & Stroke	159 x 159 mm	6.25 x 6.25 in
Fuel System	Pressure Time (PT)	

Prime Power Ratings

Output Power		Hz	ISO Fuel Cons		Emissions
kW	BHP		L/hr	Gal/hr	
634	850	50	84.3	22.3	NC
664	890	50	87.5	23.1	NC
768	1030	60	104.4	27.6	NC
806	1080	50	103.7	27.4	NC
809	1085	60	108.6	28.7	NC
880	1180	50	109.4	28.9	NC
910	1220	60	116.8	30.9	NC
1007	1350	60	131.6	34.8	NC

For more information on average fuel consumption, ratings and emissions, see pages 3-9

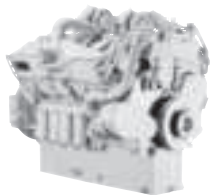
Product Dimensions

Length	mm (in)	2152	(84)
Width	mm (in)	1462	(58)
Height	mm (in)	2083	(82)
Weight	kg (lb)	4218	(9300)

Dimensions may vary based on selected engine configuration

KTA38-D(M1)

Marine Auxiliary



General Specifications

Configuration	V-12 cylinder, 4-stroke diesel	
Aspiration	Turbocharged/Aftercooled	
Displacement	38 L	2300 in ³
Bore & Stroke	159 x 159 mm	6.25 x 6.25 in
Fuel System	Pressure Time (PT)	

Prime Power Ratings

Output Power		Hz	ISO Fuel Cons		Emissions
kW	BHP		L/hr	Gal/hr	
746	1000	50	91.7	24.2	IMO1
821	1100	60	104.0	27.5	IMO1
880	1180	50	104.1	28.8	IMO1
880	1180	50	115.2	30.4	IMO2
970	1300	60	122.2	34.2	IMO1
970	1300	60	132.2	34.9	IMO2

For more information on average fuel consumption, ratings and emissions, see pages 3-9

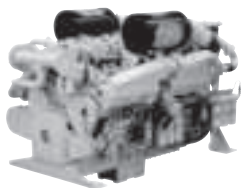
Product Dimensions

Length	mm (in)	2152	(84)
Width	mm (in)	1462	(58)
Height	mm (in)	2083	(82)
Weight	kg (lb)	4218	(9300)

Dimensions may vary based on selected engine configuration

QSK38-DM

Marine Auxiliary



General Specifications

Configuration	V-12 cylinder, 4-stroke diesel	
Aspiration	Turbocharged/Aftercooled	
Displacement	38 L	2300 in ³
Bore & Stroke	159 x 159 mm	6.25 x 6.25 in
Fuel System	Modular Common Rail (MCRS)	

Prime Power Ratings

Output Power		Hz	ISO Fuel Cons		Emissions
kW	BHP		L/hr	Gal/hr	
984	1320	50	128.9	34.0	IMO2/EPA2/EU
1044	1400	60	141.7	37.4	IMO2/EPA2/EU

For more information on average fuel consumption, ratings and emissions, see pages 3-9

Product Dimensions

Length	mm (in)	2688	(106)
Width	mm (in)	1642	(65)
Height	mm (in)	2108	(79)
Weight	kg (lb)	4640	(10230)

Dimensions may vary based on selected engine configuration

QSK38-DM1

Marine Auxiliary



General Specifications

Configuration	V-12 cylinder, 4-stroke diesel		
Aspiration	Turbocharged/Aftercooled		
Displacement	38 L	2300 in ³	
Bore & Stroke	159 x 159 mm	6.25 x 6.25 in	
Fuel System	Modular Common Rail (MCRS)		

Prime Power Ratings

EPA Tier 3 ratings

COMING SOON

For more information on average fuel consumption, ratings and emissions, see pages 3-9

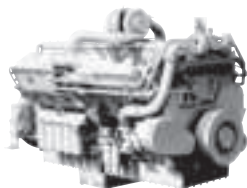
Product Dimensions

Length	mm (in)	N/A	N/A
Width	mm (in)	N/A	N/A
Height	mm (in)	N/A	N/A
Weight	kg (lb)	N/A	N/A

Dimensions may vary based on selected engine configuration

KTA50-D(M)

Marine Auxiliary



General Specifications

Configuration	V-16 cylinder, 4-stroke diesel	
Aspiration	Turbocharged/Aftercooled	
Displacement	50 L	3067 in ³
Bore & Stroke	159 x 159 mm	6.25 x 6.25 in
Fuel System	Pressure Time (PT)	

Prime Power Ratings

Output Power		Hz	ISO Fuel Cons		Emissions
kW	BHP		L/hr	Gal/hr	
880	1180	50	116.8	30.9	NC
900	1206	50	N/A	N/A	NC
1000	1340	60	N/A	N/A	NC
1007	1350	60	138.1	36.5	NC
1097	1470	50	134.1	35.4	NC
1220	1635	60	153.7	40.6	NC

For more information on average fuel consumption, ratings and emissions, see pages 3-9

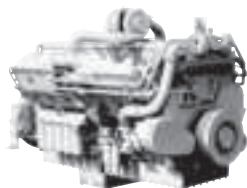
Product Dimensions

Length	mm (in)	2694	(106)
Width	mm (in)	1564	(62)
Height	mm (in)	2260	(89)
Weight	kg (lb)	5431	(11973)

Dimensions may vary based on selected engine configuration

KTA50-D(M1)

Marine Auxiliary



General Specifications

Configuration	V-16 cylinder, 4-stroke diesel	
Aspiration	Turbocharged/Aftercooled	
Displacement	50 L	3067 in ³
Bore & Stroke	159 x 159 mm	6.25 x 6.25 in
Fuel System	Pressure Time (PT)	

Prime Power Ratings

Output Power		Hz	ISO Fuel Cons		Emissions
kW	BHP		L/hr	Gal/hr	
1007	1350	50	118.9	31.4	IMO1
1097	1470	50	129.5	34.2	IMO1
1097	1470	50	139.8	36.9	IMO2
1141	1530	60	138.6	36.6	IMO1
1291	1730	60	152.8	40.4	IMO1
1291	1730	60	161.4	42.6	IMO2

For more information on average fuel consumption, ratings and emissions, see pages 3-9

Product Dimensions

Length	mm (in)	2694	(106)
Width	mm (in)	1564	(62)
Height	mm (in)	2260	(89)
Weight	kg (lb)	5431	(11973)

Dimensions may vary based on selected engine configuration

QSK50-DM

Marine Auxiliary



General Specifications

Configuration	V-16 cylinder, 4-stroke diesel		
Aspiration	Turbocharged/Aftercooled		
Displacement	50 L	3068 in ³	
Bore & Stroke	159 x 159 mm	6.25 x 6.25 in	
Fuel System	Modular Common Rail (MCRS)		

Prime Power Ratings

Output Power		Hz	ISO Fuel Cons		Emissions
kW	BHP		L/hr	Gal/hr	
1216	1630	50	166.4	44.0	IMO2/EPA2/EU
1343	1800	60	184.3	48.7	IMO2/EPA2/EU

For more information on average fuel consumption, ratings and emissions, see pages 3-9

Product Dimensions

Length	mm (in)	3186	(125)
Width	mm (in)	1642	(65)
Height	mm (in)	2108	(83)
Weight	kg (lb)	6615	(14584)

Dimensions may vary based on selected engine configuration

QSK50-DM1

Marine Auxiliary

General Specifications

Configuration	V-16 cylinder, 4-stroke diesel		
Aspiration	Turbocharged/Aftercooled		
Displacement	50 L	3068 in ³	
Bore & Stroke	159 x 159 mm	6.25 x 6.25 in	
Fuel System	Modular Common Rail (MCRS)		

Prime Power Ratings

EPA Tier 3 ratings

COMING SOON

For more information on average fuel consumption, ratings and emissions, see pages 3-9

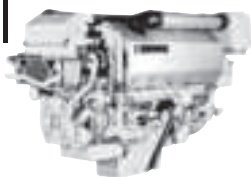
Product Dimensions

Length	mm (in)	N/A	N/A
Width	mm (in)	N/A	N/A
Height	mm (in)	N/A	N/A
Weight	kg (lb)	N/A	N/A

Dimensions may vary based on selected engine configuration

QSK60-DM HPI

Marine Auxiliary



General Specifications

Configuration	V-16 cylinder, 4-stroke diesel		
Aspiration	Turbocharged/Aftercooled		
Displacement	60.2 L	3672 in ³	
Bore & Stroke	159 x 190 mm	6.25 x 7.48 in	
Fuel System	High Pressure Injection - Pressure Time (HPI-PT)		

Prime Power Ratings

Output Power		Hz	ISO Fuel Cons		Emissions
kW	BHP		L/hr	Gal/hr	
1563	2095	50	193.6	51.2	IMO2
1900	2547	60	245.3	64.8	IMO2

For more information on average fuel consumption, ratings and emissions, see pages 3-9

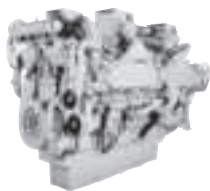
Product Dimensions

Length	mm (in)	3357	(132)
Width	mm (in)	1760	(69)
Height	mm (in)	2409	(95)
Weight	kg (lb)	8754	(19300)

Dimensions may vary based on selected engine configuration

QSK60-DM

Marine Auxiliary



General Specifications

Configuration	V-16 cylinder, 4-stroke diesel	
Aspiration	Turbocharged/Aftercooled	
Displacement	60.2 L	3672 in ³
Bore & Stroke	159 x 190 mm	6.25 x 7.48 in
Fuel System	Modular Common Rail (MCRS)	

Prime Power Ratings

Output Power		Hz	ISO Fuel Cons		Emissions
kW	BHP		L/hr	Gal/hr	
1563	2095	50	192.1	50.7	IMO2/EPA2/EU
1900	2547	60	239.8	63.4	IMO2/EPA2/EU
1900	2547	60	N/A	N/A	EPA3

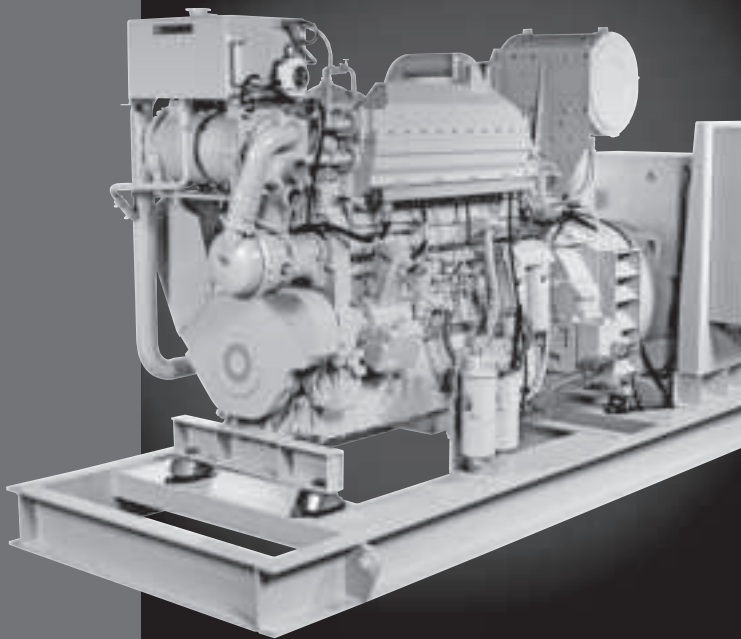
For more information on average fuel consumption, ratings and emissions, see pages 3-9

Product Dimensions

Length	mm (in)	3290	(130)
Width	mm (in)	1757	(69)
Height	mm (in)	2415	(95)
Weight	kg (lb)	8754	(19300)

Dimensions may vary based on selected engine configuration

Generator Sets



6B-CP

C Power Marine Genset



General Specifications

Engine Model	6BT5.9-D(M)
Alternator	Newage UCM274E

Prime Power Ratings

kW	Hz	ISO Fuel Cons		Voltage	Emissions*
		L/hr	Gal/hr		
80	50	11.3	3.0	380	NC
				400	
				415	
99	60	14.0	3.7	416	NC
				440	
				460	
				480	

* Ratings below 130 kW are not subject to IMO emission regulations

For more information on average fuel consumption, ratings and emissions, see pages 3-9

Product Dimensions

Length	mm (in)	2240	(88)
Width	mm (in)	1250	(49)
Height	mm (in)	1270	(50)
Weight	kg (lb)	1270	(2800)

Dimensions may vary based on selected engine configuration

6B-CS

C Safe Marine Genset



General Specifications

Engine Model	6BT5.9-D(M)
Alternator	Newage UCM274E

Prime Power Ratings

kW	Hz	ISO Fuel Cons		Voltage	Emissions*
		L/hr	Gal/hr		
74	50	11.3	3.0	380	NC
				400	
				415	
92	60	14.0	3.7	416	NC
				440	
				460	
				480	

* Ratings below 130 kW are not subject to IMO emission regulations

For more information on average fuel consumption, ratings and emissions, see pages 3-9

Product Dimensions

Length	mm (in)	2320	(91)
Width	mm (in)	1250	(49)
Height	mm (in)	1280	(50)
Weight	kg (lb)	1370	(3020)

Dimensions may vary based on selected engine configuration

6C-CP

C Power Marine Genset



General Specifications

Engine Model	6CTA8.3-D(M)
Alternator	Newage UCM274H

Prime Power Ratings

kW	Hz	ISO Fuel Cons		Voltage	Emissions
		L/hr	Gal/hr		
136	50	20.5	5.4	380	IMO1
				400	
				415	
160	60	23.0	6.1	416	IMO1
170	60	23.0	6.1	440	IMO2
				460	
				480	

For more information on average fuel consumption, ratings and emissions, see pages 3-9

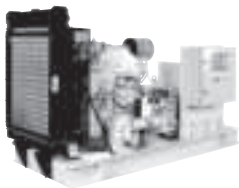
Product Dimensions

Length	mm (in)	2400	(94)
Width	mm (in)	1250	(49)
Height	mm (in)	1270	(50)
Weight	kg (lb)	1720	(3792)

Dimensions may vary based on selected engine configuration

6C-CS

C Safe Marine Genset



General Specifications

Engine Model	6CTA8.3-D(M)
Alternator	Newage UCM274H

Prime Power Ratings

kW	Hz	ISO Fuel Cons		Voltage	Emissions
		L/hr	Gal/hr		
136	50	20.5	5.4	380	IMO1
				400	
				415	
152	60	23.0	6.1	416	IMO1
				440	
				460	
				480	

For more information on average fuel consumption, ratings and emissions, see pages 3-9

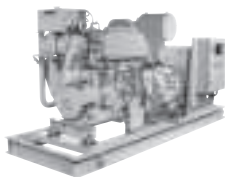
Product Dimensions

Length	mm (in)	2550	(100)
Width	mm (in)	1250	(49)
Height	mm (in)	1480	(58)
Weight	kg (lb)	1850	(4079)

Dimensions may vary based on selected engine configuration

K19-CP

C Power Marine Genset



General Specifications

Engine Model	KTA19-D(M1)
Alternator	Newage HCM534E

Prime Power Ratings

kW	Hz	ISO Fuel Cons		Voltage	Emissions
		L/hr	Gal/hr		
335	50	47.1	12.4	380	IMO2
				400	
				415	
				440	
380	50	52.5	13.9	380	IMO2
390	50	52.5	13.9	400	IMO2
				415	
				440	
400	60	58.8	15.5	416	IMO2
				440	
				460	
				480	
450	60	64.7	17.1	416	IMO2
460	60	64.7	17.1	440	IMO2
				460	
				480	

For more information on average fuel consumption, ratings and emissions, see pages 3-9

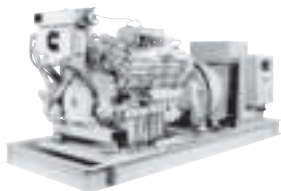
Product Dimensions

Length	mm (in)	3500	(137)
Width	mm (in)	1540	(60)
Height	mm (in)	2100	(82)
Weight	kg (lb)	4100	(9039)

Dimensions may vary based on selected engine configuration

K38-CP

C Power Marine Genset



General Specifications

Engine Model	KTA38-D(M1)
Alternator	Newage PM734B

Prime Power Ratings

kW	Hz	ISO Fuel Cons		Voltage	Emissions
		L/hr	Gal/hr		
764	50	107.5	28.4	380	IMO2
804	50	113.3	29.9	400	IMO2
832	50	117.1	30.9	415	IMO2
845	50	118.4	31.3	440	IMO2
888	60	129.7	34.3	416	IMO2
920	60	134.8	35.6	440 460 480	IMO2

For more information on average fuel consumption, ratings and emissions, see pages 3-9

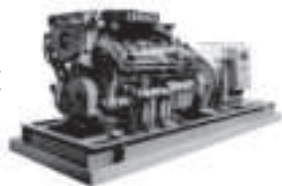
Product Dimensions

Length	mm (in)	4500	(177)
Width	mm (in)	1900	(74)
Height	mm (in)	2100	(82)
Weight	kg (lb)	8200	(18078)

Dimensions may vary based on selected engine configuration

K50-CP

C Power Marine Genset



General Specifications

Engine Model	KTA50-D(M1)
Alternator	Newage PM734E

Prime Power Ratings

kW	Hz	ISO Fuel Cons		Voltage	Emissions
		L/hr	Gal/hr		
1050	50	141.9	37.5	380	IMO2
				400	
				415	
				440	
1240	60	169.6	44.8	416	IMO2
				440	
				460	
				480	

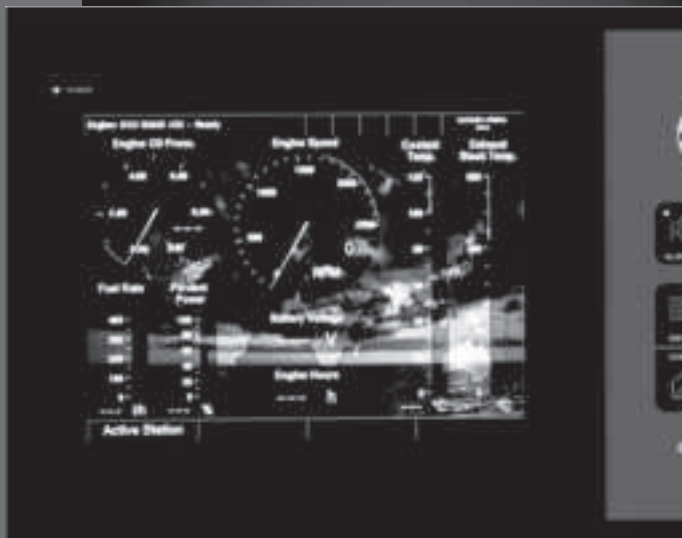
For more information on average fuel consumption, ratings and emissions, see pages 3-9

Product Dimensions

Length	mm (in)	5150	(203)
Width	mm (in)	1900	(75)
Height	mm (in)	2100	(83)
Weight	kg (lb)	9700	(21384)

Dimensions may vary based on selected engine configuration

Premium Options



Centinel



- Aftermarket kit available for the K-Series engines; installed as a factory option on the QSK MCRS engines
 - Eliminates or extends oil change intervals by automatically draining used oil to the fuel tank and replacing it with clean oil
 - Reduces downtime and the cost of oil change service
 - Reduces the risk of engine damage due to poor oil change maintenance practice
-

Eliminator



- Available on the KTA38, KTA50, QSK60 HPI and all QSK MCRS engine models
 - The Eliminator is a combination self-cleaning stacked disk filter and centrifuge housed in a single engine mounted assembly
 - Lowers the cost of operation by:
 - Eliminating the recurring cost and maintenance of spin-on filters
 - Reducing downtime for filter changes
 - Eliminating disposal cost of used filter elements
 - Improving filtration and reducing component wear which can extend overhaul periods
 - Extending oil change intervals when used concurrently with oil sampling and Centinel
 - Satisfies Marine Classification Society requirements for duplex filters (except Lloyd's Register, which only approves for multi-engine vessels)
-

Pre-Lube with Quick Evac

- Available on the QSK38 and QSK50 engines
- Engine-mounted pump with off-engine mounted controls
- Controlled by the Customer Interface Box (CIB)
- Pre-lube reduces engine wear by providing lubrication prior to engine start
- Quik Evac reduces oil change time by quickly removing oil from the engine oil pan
- Available in 24 volt DC only



ED-3

Electronic Digital Display



System Features

- Remote engine information display
- Displays engine parameter information
- Engine alarm indication (full text)
- Data trending
- Internal buzzer
- Graphical high resolution FSTN displays
- ABS / polycarbonate case ensures display will work properly in marine environment
- IP67 marine rating
- -40 to +75°C operating temperature range
- J1708 & J1939 databus communication capable
- 500 mA external output driver
- NMEA 0183 interface capable
- CE approved design
- Low power consumption (< 200 mA @ 12 V DC)
- Superior visibility even in direct sunlight

Compatibility

- QSM11-DM
- QSK19-M/DM
- QSK38-M/DM
- QSK50-M/DM
- QSK60-M/DM MCRS
- KTA19, KTA38 and KTA50 with CENTRY

C Command Series

Electronic Information System

C Command for QSK MCRS engines

Basic

- Modular design, simplified installation and durable/proven hardware
- Cost-effective for basic monitoring

Customer Interface Box (CIB) - Required



- Central engine-to-vessel interface point
- Standard with all Tier 2 engine systems
- NEMA rated enclosure
- Contains:
 - All necessary ECM connections
 - All communication connections
 - Ignition, start and stop connections
 - Two fault monitored power inputs available
 - Engine stop button mounted on face of CIB
 - All connections for OEM buttons and lights

Engine Room Panel (ERP) - Optional



- Local interface for engine controls
- NEMA rated enclosure with sealed connections
- Contains:
 - Button panel
 - Rotary keyswitch
 - Start/stop buttons
 - Alarm acknowledge button
 - Red alarm indication (with buzzer)
 - Local/remote control button
 - Digital display
 - Service tool connection

C Command Series

Electronic Information System

C Command for QSK MCRS engines

Elite

- Modular design, simplified installation
- Compatible with C Command remote options
- Digital access to all ECM engine data
- Connection for 6 customer inputs (2 temperature, 2 pressure and 2 switch)

Customer Interface Box (CIB) - Required



- Central engine-to-vessel interface point
- Same features as C Command CIB, plus:
 - Digital microprocessor controller
 - 6.5" TFT color display
 - Menu-driven user interface
 - Ignition/start/stop control
 - Alarm indication and management
 - Local/remote control selection
 - Ethernet/modbus communication to vessel
 - All ECM connections
 - Individual cylinder exhaust temperature display

Elite Plus

- Complies with Marine Classification Society rules
- Compatible with the C Command Elite system
- Remote I/O Module (RIO) included for alarm system sensors
- Shut-Down Unit (SDU) included for safety system sensors
- Alarm and safety system data available at all digital stations

Customer Interface Box (CIB) - Required



- Central engine-to-vessel interface point
- Same features as C Command Elite CIB, plus:
 - RIO and SDU
 - Requires two (2) independent power supplies
 - Compatible with all remote panel options
 - Additional I/O available for Marine Societies not covered by the default system

C Command Series

Electronic Information System

C Command HD for Mid Range & Heavy Duty Engines

HD Basic

- Modular design, simplified installation and durable/proven hardware
- Cost effective for basic monitoring

Customer Interface Box - Required



- Local interface for engine controls
- Central engine-to-vessel integration point
- NEMA rated enclosure
- Contains:
 - All necessary ECM connections
 - All communication connections
 - Two fault monitored power inputs available
 - Engine stop button mounted on face of ERP
 - All connections for OEM buttons and lights
 - Button panel
 - Digital display
 - Service tool connection

HD Elite Plus

- Complies with Marine Classification Society rules
- Modular design, simplified installation
- Compatible with C Command HD remote options
- Digital access to all ECM engine data
- Shut Down Unit (SDU) included for safety system sensors
- Alarm and safety system data available at all digital stations

Customer Interface Box (CIB) - Required



- Central engine-to-vessel integration point
- Same features as C Command HD CIB, plus:
 - Digital microprocessor controller
 - 6.5" TFT color display
 - Menu-driven user interface
 - Ignition/start/stop control
 - Alarm indication and management
 - Local/remote control selection
 - Ethernet/modbus communication to vessel
 - All ECM connections
 - SDU for safety system sensors
 - Requires two (2) independent power supplies
 - Additional I/O available for Marine Societies not covered by the default system

C Command Series

Electronic Information System

C Command PT for K Series Engines

PT Elite Plus

- Complies with Marine Classification Society rules
- Remote I/O Module (RIO) included for alarm system sensors
- Shut-Down Unit (SDU) included for safety system sensors
- Alarm and safety system data available at all digital stations

Customer Interface Box (CIB) Features



- Central engine-to-vessel interface point
- Similar features as C Command Elite CIB, including:
 - Digital microprocessor controller
 - 6.5" TFT color display
 - Menu-driven user interface
 - Ignition/start/stop control
 - Alarm indication and management
 - Local/remote control selection
 - Ethernet/modbus communication to vessel
 - Individual cylinder exhaust temperature display
 - RIO and SDU
 - Requires two (2) independent power supplies
 - Compatible with all remote panel options
 - Additional I/O available for Marine Societies not covered by the default system
- Capable of supporting customer-supplied temperature, pressure and switch inputs
- Support for Cummins- or customer-supplied electronic speed control

Fuel Consumption Monitoring



- Accurate, reliable monitoring within +/-3%
- Provides trip, total and instantaneous measurements
- Available on digital remote datalink
- Integrates with C Command PT Elite Plus CIB

C Command Series

Electronic Information System

Remote Options

Control Panel (CP)



- Remote interface for engine controls
- Contains:
 - Start/stop buttons
 - Alarm acknowledge button
 - Red alarm indication (with buzzer)
 - Local/remote control indication
- Compatibility:
 - C Command (Basic, Elite, Elite Plus)
 - C Command HD (Basic, Elite Plus)
 - C Command PT Elite Plus

Electronic Digital Display (ED-3)



- Remote engine information display
- Displays:
 - Engine parameter information (text and graphics)
 - Engine alarm indication (full text)
 - Data trending
 - Internal buzzer
 - External alarm contact
- Service tool connection port included
- Compatibility:
 - C Command (Basic, Elite, Elite Plus)
 - C Command HD (Basic, Elite Plus)
 - C Command PT Elite Plus

Gauge Instrument Panel (GP)



- Remote engine information display
- Included gauges:
 - Tachometer
 - Coolant temperature
 - Engine oil pressure
 - System voltage
 - Exhaust stack temperature
 - Gear oil pressure (if applicable)
- Mini-display in tachometer displays engine data and fault codes
- Service tool connection port included
- Compatible with C Command Basic, Elite, Elite Plus

C Command Series

Electronic Information System

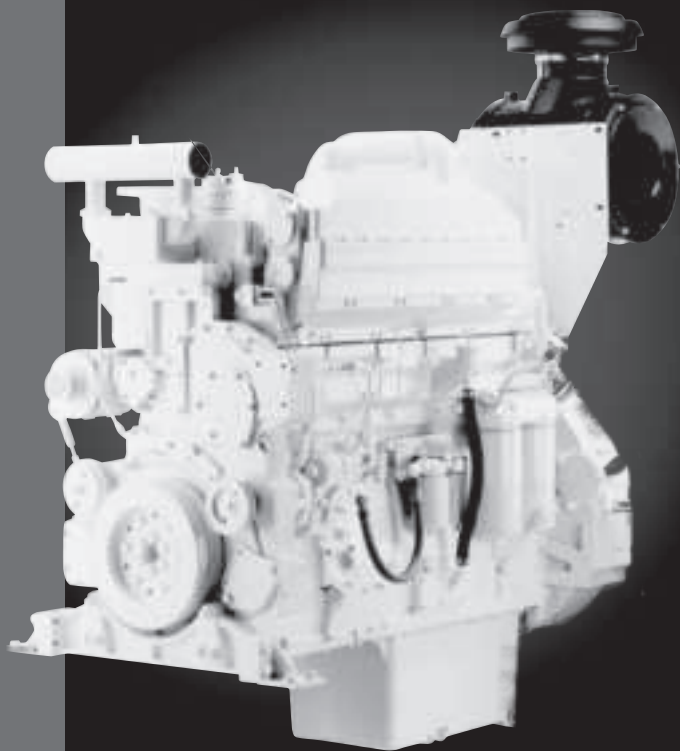
Remote Options

Remote Control Panel (RP)



- Remote digital interface to engine control
- Digital microprocessor controlled
- Features:
 - 8.4" TFT color touch-screen display
 - Menu-driven user interface
 - Ethernet communication
 - Self-diagnostic
 - Start/stop control
 - Alarm indication
 - Station transfer control
 - Multiple engine monitoring capability
- Compatibility:
 - C Command Elite and Elite Plus
 - C Command HD Elite Plus
 - C Command PT Elite Plus

CCEC Products



CCEC Products

The N855 and K19 CCEC products are derived from the Cummins N855 and K19 engines. These models are manufactured by Chongqing Cummins Engine Company (CCEC). CCEC is certified by China Classification Society (CCS), as well as ISO9001 and ISO16949.

The N855 and K19 CCEC products are suitable for small workboats and fishing vessels that do not require type approval, custom options or complex packaging. These engines are only available as a fixed specification.

Key Engine Features

- Mechanical PT fuel system
- Heat exchanger cooling
- Water cooled exhaust manifold and turbocharger
- Fleetguard branded filters
- IMO emissions certification from CCS

Each CCEC engine carries a full Cummins one year warranty and is sold exclusively through the Cummins distributor network. All parts carry a Cummins part number and are available to order from Regional Parts Distribution Centers.

The CCEC product line is not available for sale in all areas. Contact your local Cummins representative for additional information on pricing, availability, appropriate applications and service.

NT855-M CCEC

Main Propulsion



General Specifications

Configuration	In-line, 6 cylinder, 4-stroke diesel	
Aspiration	Turbocharged	
Displacement	14 L	855 in ³
Bore & Stroke	140 x 152 mm	5.50 x 6.00 in
Fuel System	Pressure Time (PT)	

Commercial Ratings

kW	BHP	RPM	ISO Fuel Cons		Rating	Emissions
			L/hr	Gal/hr		
179	240	1800	N/A	N/A	CON	IMO1
201	270	1800	N/A	N/A	CON	IMO1
224	300	1800	N/A	N/A	CON	IMO1

For more information on average fuel consumption, ratings and emissions, see pages 3-9

Product Dimensions

Length	mm (in)	1809	(71)
Width	mm (in)	881	(35)
Height	mm (in)	1598	(63)
Weight	kg (lb)	1270	(2800)

Dimensions may vary based on selected engine configuration

This product is not available in all areas

Contact your local Cummins professional for more information

NTA855-M CCEC

Main Propulsion



General Specifications

Configuration	In-line, 6 cylinder, 4-stroke diesel	
Aspiration	Turbocharged/Aftercooled	
Displacement	14 L	855 in ³
Bore & Stroke	140 x 152 mm	5.50 x 6.00 in
Fuel System	Pressure Time (PT)	

Commercial Ratings

kW	BHP	RPM	ISO Fuel Cons		Rating	Emissions
			L/hr	Gal/hr		
261	350	1800	N/A	N/A	CON	IMO1
298	400	1800	N/A	N/A	CON	IMO1

For more information on average fuel consumption, ratings and emissions, see pages 3-9

Product Dimensions

Length	mm (in)	1809	(71)
Width	mm (in)	881	(35)
Height	mm (in)	1598	(63)
Weight	kg (lb)	1300	(2870)

Dimensions may vary based on selected engine configuration

This product is not available in all areas

Contact your local Cummins professional for more information

KT19-M CCEC

Main Propulsion



General Specifications

Configuration	In-line, 6 cylinder, 4-stroke diesel	
Aspiration	Turbocharged	
Displacement	18.9 L	1150 in ³
Bore & Stroke	159 x 159 mm	6.25 x 6.25 in
Fuel System	Pressure Time (PT)	

Commercial Ratings

kW	BHP	RPM	ISO Fuel Cons		Rating	Emissions
			L/hr	Gal/hr		
317	425	1800	N/A	N/A	CON	IMO1

For more information on average fuel consumption, ratings and emissions, see pages 3-9

Product Dimensions

Length	mm (in)	2162	(85)
Width	mm (in)	965	(38)
Height	mm (in)	1761	(70)
Weight	kg (lb)	2073	(4570)

Dimensions may vary based on selected engine configuration

This product is not available in all areas

Contact your local Cummins professional for more information

KTA19-M CCEC

Main Propulsion



General Specifications

Configuration	In-line, 6 cylinder, 4-stroke diesel	
Aspiration	Turbocharged/Aftercooled	
Displacement	18.9 L	1150 in ³
Bore & Stroke	159 x 159 mm	6.25 x 6.25 in
Fuel System	Pressure Time (PT)	

Commercial Ratings

kW	BHP	RPM	ISO Fuel Cons		Rating	Emissions
			L/hr	Gal/hr		
351	470	1800	N/A	N/A	CON	IMO1
373	500	1800	N/A	N/A	CON	IMO1

For more information on average fuel consumption, ratings and emissions, see pages 3-9

Product Dimensions

Length	mm (in)	2162	(85)
Width	mm (in)	965	(38)
Height	mm (in)	1761	(70)
Weight	kg (lb)	2073	(4570)

Dimensions may vary based on selected engine configuration

This product is not available in all areas

Contact your local Cummins professional for more information

NT855-D(M) CCEC

Marine Auxiliary



General Specifications

Configuration	In-line, 6 cylinder, 4-stroke diesel	
Aspiration	Turbocharged	
Displacement	14 L	855 in ³
Bore & Stroke	140 x 152 mm	5.50 x 6.00 in
Fuel System	Pressure Time (PT)	

Prime Power Ratings

Output Power		Hz	ISO Fuel Cons		Emissions
kW	BHP		L/hr	Gal/hr	
180	241	50	N/A	N/A	IMO1

For more information on average fuel consumption, ratings and emissions, see pages 3-9

Product Dimensions

Length	mm (in)	1806	(71)
Width	mm (in)	881	(35)
Height	mm (in)	1598	(63)
Weight	kg (lb)	1270	(2800)

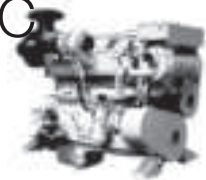
Dimensions may vary based on selected engine configuration

This product is not available in all areas

Contact your local Cummins professional for more information

NTA855-D(M) CCEC

Marine Auxiliary



General Specifications

Configuration	In-line, 6 cylinder, 4-stroke diesel	
Aspiration	Turbocharged/Aftercooled	
Displacement	14 L	855 in ³
Bore & Stroke	140 x 152 mm	5.50 x 6.00 in
Fuel System	Pressure Time (PT)	

Prime Power Ratings

Output Power		Hz	ISO Fuel Cons		Emissions
kW	BHP		L/hr	Gal/hr	
240	322	50	N/A	N/A	IMO1
284	380	50	N/A	N/A	IMO1
287	385	60	N/A	N/A	IMO1
313	420	60	N/A	N/A	IMO1
317	425	50	N/A	N/A	IMO1

For more information on average fuel consumption, ratings and emissions, see pages 3-9

Product Dimensions

Length	mm (in)	1806	(71)
Width	mm (in)	881	(35)
Height	mm (in)	1598	(63)
Weight	kg (lb)	1300	(2870)

Dimensions may vary based on selected engine configuration

This product is not available in all areas

Contact your local Cummins professional for more information

KTA19-D(M) CCEC

Marine Auxiliary



General Specifications

Configuration	In-line, 6 cylinder, 4-stroke diesel	
Aspiration	Turbocharged/Aftercooled	
Displacement	18.9 L	1150 in ³
Bore & Stroke	159 x 159 mm	6.25 x 6.25 in
Fuel System	Pressure Time (PT)	

Prime Power Ratings

Output Power		Hz	ISO Fuel Cons		Emissions
kW	BHP		L/hr	Gal/hr	
336	450	50	N/A	N/A	IMO1
392	525	60	N/A	N/A	IMO1

For more information on average fuel consumption, ratings and emissions, see pages 3-9

Product Dimensions

Length	mm (in)	2162	(85)
Width	mm (in)	965	(38)
Height	mm (in)	1761	(70)
Weight	kg (lb)	2073	(4570)

Dimensions may vary based on selected engine configuration

This product is not available in all areas

Contact your local Cummins professional for more information

Complementary Products

Cummins Filtration designs, manufactures and distributes heavy-duty air, fuel, hydraulic and lube filtration, chemicals and exhaust system technology products for diesel and gas-powered equipment.

Cummins Generator Technologies is the world's broadest range manufacturer of generators 0.6 kVA to nearly 30,000 kVA, covering many important applications for worldwide power requirements including offshore and marine.

Cummins MerCruiser Diesel, a joint venture between Cummins Inc. and Mercury Marine, is the industry's premier "prop to helm" performance source for boaters around the world with diesel marine engines from 76-715 hp for commercial and recreational applications.

Cummins Onan branded products, designed, manufactured and distributed by Cummins Power Generation, are available for recreational vehicle, marine, commercial mobile, residential and portable applications. Onan manufactures marine generator sets between 4-99 kW for military and recreational applications around the world.

For more information on these products, visit marine.cummins.com or contact your local Cummins professional.

Service Resources

Marine Web Site (marine.cummins.com) - Offers product specifications, installation drawings and technical information, as well as answers to frequently asked questions.

QuickServe® Online (quickserve.cummins.com) - Gives easy access to parts and service information for all Cummins engines. Find the information you need with our high-speed search function and your engine's serial number.

Cummins Online Product Registration - Register your Cummins engine quickly and easily at marine.cummins.com to ensure quality parts and service.

Distributor Expertise - The best source for service, parts and application assistance. To find your nearest Cummins distributor, go to the Worldwide Service Locator (click on Service Locator at wsl.cummins.com). If you need assistance beyond what your local Cummins professional has offered, contact the Regional Office for your area or send an e-mail to wave.master@cummins.com.

Global Support Network - Backed by the strength of Cummins distribution network with marine service locations in 160 countries, Cummins engines include a comprehensive, worldwide warranty.

Common Conversions

Length

1 mm	=	0.03937 in
1 m	=	3.28 ft
1 km	=	0.539 nautical mile
1 km	=	0.62 statute mile

Mass

1 g	=	0.035 oz
1 kg	=	2.2 lb
1 metric ton	=	1.1 ton (short)

Torque

1 Nm	=	0.74 lb ft
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Power

1 kW	=	1.36 metric HP
1 kW	=	1.341 BHP
1 BHP	=	1.014 metric HP

Volume

1 L	=	61.02 in ³
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Temperature

1°C	=	$\frac{°F-32}{1.8}$
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Horsepower/Torque

Torque	=	$\frac{\text{BHP} \times 5252}{\text{RPM}}$
BHP	=	$\frac{\text{Torque} \times \text{RPM}}{5252}$

BFSC

BSFC (g/kWh)	=	$\frac{\text{L/hr} \times 838.9 \text{ g/L}}{\text{kW}}$
BSFC (lb/HPh)	=	$\frac{\text{Gal/hr} \times 7.001 \text{ lb/US Gal}}{\text{HP}}$

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