



MARINE PRODUCTS GUIDE

November 2008



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 37-1900 kW (50-2547 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.

A listing of other Cummins brands offering marine products can be found on page 71.

Learn more about Cummins marine products by visiting our website:

<http://marine.cummins.com>

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RATING GUIDELINES

Rating Definitions

Ratings are based on ISO 8665 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) with LTA when available.

PROPULSION

Continuous Duty (CON)

Intended for continuous use in applications requiring uninterrupted service at full power. This rating is an ISO 3046 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. Also, reduced power operations must be at or below 200 RPM of the maximum rated RPM. This is an ISO 3046 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. Also, reduced power operations must be at or below 200 RPM of the maximum rated RPM. This rating is an ISO 3046 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. Also, reduced power operations must be at or below 200 RPM of the maximum rated RPM. This rating is an ISO 3046 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, and emergency fire pumps.

AUXILIARY & 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.

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	0.2
2	75	91	0.5
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	0.3
4	25	100	0.3
5	10	100	0.1

*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.

PRODUCT CERTIFICATIONS

EMISSIONS

Cummins Inc. has always been a leader in complying with and designing for environmental concerns. Cummins makes significant investments in marine product development and upgrades to ensure that we offer a full line of certified engines. A summary of current and near-term regulations is listed below.

IMO - The International Maritime Organization has issued Regulation 13 to Annex VI of MARPOL 73/78, which is enforceable from 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 mandated Tier 2 emission regulations for new commercial marine diesel engines installed on vessels flagged or registered in the United States.

EC - 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 designation(s) will appear in the Emissions column of each engine rating offered to identify the emissions level of the engine and the regulation that the engine will be certified to or compliant with once placed on the market:

N/A - Rating is not compliant with or not applicable to current regulations

IMO - Regulation 13 to Annex VI of MARPOL 73/78

EPA2 - EPA Tier 2 and IMO if applicable

EC - Nonroad Mobile Machinery Directive and IMO if applicable

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 PRODUCT LINE

kW	BHP	RPM	Engine Model	Rating	Page
373	500	1800	KTA19-M3	CON	15
373	500	1800	QSK19-M Tier 2	CON	17
395	530	1800	KTA19-M3	CON	15
447	600	1800	KTA19-M3	CON	15
447	600	1800	QSK19-M Tier 2	CON	17
477	640	1800	KTA19-M3	HD	15
492	660	1800	QSK19-M Tier 2	CON	17
522	700	2100	KTA19-M4	HD	16
559	750	1600	KTA38-M0	CON	18
560	750	1800	QSK19-M Tier 2	HD	17
567	760	2100	QSK19-M Tier 2	HD	17
597	800	1800	KTA38-M0	CON	18
597	800	2100	QSK19-M Tier 2	MCD	17
634	850	1800	KTA38-M0	CON	18
634	850	1800	K38-M Tier 2	CON	21
671	900	1600	KTA38-M1	CON	19
746	1000	1800	KTA38-M1	CON	19
746	1000	1800	K38-M Tier 2	CON	21
783	1050	1600	KTA38-M2	CON	20
821	1100	1800	KTA38-M1	HD	19
895	1200	1800	KTA38-M2	CON	20
895	1200	1800	QSK38-M Tier 2	CON	22
969	1300	1800	KTA38-M2	HD	20
970	1300	1800	QSK38-M Tier 2	CON	22
1007	1350	1900	KTA38-M2	HD	20
1007	1350	1900	QSK38-M Tier 2	HD	22
1007	1350	1950	KTA38-M2	HD	20
1044	1400	1600	KTA50-M2	CON	23
1044	1400	1800	QSK38-M Tier 2	HD	22
1044	1400	1950	KTA38-M2	MCD	20
1119	1500	2050	KTA38-M2	INT	20

kW	BHP	RPM	Engine Model	Rating	Page
1193	1600	1800	KTA50-M2	CON	23
1193	1600	1800	QSK50-M Tier 2	CON	24
1193	1600	1900	KTA50-M2	HD	23
1268	1700	1800	KTA50-M2	HD	23
1268	1700	1800	QSK50-M Tier 2	CON	24
1342	1800	1900	KTA50-M2	HD	23
1342	1800	1800	QSK50-M Tier 2	HD	24
1342	1800	1900	QSK50-M Tier 2	HD	24
1398	1875	1950	KTA50-M2	MCD	23
1491	2000	1600	QSK60-M	CON	25
1491	2000	1600	QSK60-M Tier 2	CON	26
1491	2000	1800	QSK60-M	CON	25
1491	2000	1800	QSK60-M Tier 2	CON	26
1641	2200	1800	QSK60-M	CON	25
1641	2200	1800	QSK60-M Tier 2	CON	26
1715	2300	1900	QSK60-M	HD	25
1715	2300	1900	QSK60-M Tier 2	HD	26
1864	2500	1900	QSK60-M	MCD	25
1864	2500	1900	QSK60-M Tier 2	MCD	26





AUXILIARY PRODUCT LINE

kWe*	kW	HP	Hz	Engine Model	Page
71	78	104	50	6BT5.9-D(M)	27
72	75	100	60	6BTA5.9-DM	28
80	91	122	50	6BT5.9-D(M)	27
83	91	122	60	6BT5.9-D(M)	27
90	93	125	60	6BTA5.9-DM	28
99	112	150	60	6BT5.9-D(M)	27
113	122	164	50	6CT8.3-D(M)	29
129	140	188	60	6CT8.3-D(M)	29
135	163	219	50	6CTA8.3-D(M)	30
136	164	220	50	6CTA8.3-D(M)	30
170	181	242	60	6CTA8.3-D(M)	30
173	188	252	60	6CTA8.3-D(M)	30
185	201	270	60	6CTA8.3-DM	30
250	265	355	50	QSM11-DM	31
250	265	355	60	QSM11-D(M)	31
300	317	425	60	QSM11-DM	31
335	358	480	50	KTA19-D(M1)	35
379	403	540	50	KTA19-D(M)	34
390	410	550	50	KTA19-D(M1)	35
400	425	570	60	KTA19-D(M1)	35
435	463	620	60	KTA19-D(M)	34
450	485	650	60	KTA19-D(M1)	35
526	560	750	50	VTA28-D(M)	37
541	563	755	60	QSK19-DM Tier 2	36
572	608	815	60	VTA28-D(M)	37
716	746	1000	50	KTA38-D(M1)	39
788	821	1100	60	KTA38-D(M1)	39
845	880	1180	50	KTA38-D(M1)	39
920	970	1300	60	KTA38-D(M1)	39

kWe*	kW	HP	Hz	Engine Model	Page
950	984	1320	50	QSK38-DM Tier 2	40
967	1007	1350	50	KTA50-D(M1)	42
1010	1044	1400	60	QSK38-DM Tier 2	40
1050	1097	1470	50	KTA50-D(M1)	42
1096	1141	1530	60	KTA50-D(M1)	42
1180	1216	1630	50	QSK50-DM Tier 2	43
1240	1291	1730	60	KTA50-D(M1)	42
1300	1343	1800	60	QSK50-DM Tier 2	43
1500	1563	2095	50	QSK60-D(M)	44
1500	1563	2095	50	QSK60-DM Tier 2	45
1825	1900	2547	60	QSK60-D(M)	44
1825	1900	2547	60	QSK60-DM Tier 2	45

NON-IMO EMISSIONS COMPLIANT

Non-IMO emissions compliant products may only be installed in emergency generating set applications.

kWe*	kW	HP	Hz	Engine Model	Page
194	209	280	50	NT855-D(M)	32
215	231	310	50	NT855-D(M)	32
225	242	325	50	NT855-D(M)	32
236	254	340	60	NT855-D(M)	32
246	265	355	60	NT855-D(M)	32
260	280	375	50	NTA855-D(M)	33
274	295	395	60	NT855-D(M)	32
284	306	410	50	NTA855-D(M)	33
295	313	420	60	NTA855-D(M)	33
316	336	450	50	KTA19-D(M)	34
337	358	480	60	NTA855-D(M)	33
368	392	525	60	KTA19-D(M)	34
421	448	600	50	KTA19-D(M)	34
477	507	680	60	KTA19-D(M)	34
484	515	690	60	VTA28-D(M)	37
526	560	750	60	VTA28-D(M)	37
609	634	850	50	KTA38-D(M)	38
637	664	890	50	KTA38-D(M)	38
738	768	1030	60	KTA38-D(M)	38
777	809	1085	60	KTA38-D(M)	38
782	806	1080	50	KTA38-D(M)	38
845	880	1180	50	KTA38-D(M)	38
845	880	1180	50	KTA50-D(M)	41
864	900	1206	50	KTA50-D(M)	41
874	910	1220	60	KTA38-D(M)	38
960	1000	1340	60	KTA50-D(M)	41
967	1007	1350	60	KTA38-D(M)	38
967	1007	1350	60	KTA50-D(M)	41
1053	1097	1470	50	KTA50-D(M)	41
1171	1220	1635	60	KTA50-D(M)	41

*kWe reflects the approximate amount of power available when used in a keel cooled genset configuration.



GENERATOR SET PRODUCT LINE

C POWER – FOR PRIME POWER APPLICATIONS

kWe	Frequency (Hz)	Model Name	Page
80	50	6B-CP80DM/5	46
99	60	6B-CP99DM/6	46
136	50	6C-CP136DM/5	48
160	60	6C-CP170DM/6	48
170	60	6C-CP170DM/6	48
335	50	K19-CP335DM/5	50
380	50	K19-CP380DM/5	50
390	50	K19-CP380DM/5	50
400	60	K19-CP400DM/6	50
450	60	K19-CP460DM/6	50
460	60	K19-CP460DM/6	50
764	50	K38-CP765DM/5	51
804	50	K38-CP765DM/5	51
832	50	K38-CP765DM/5	51
845	50	K38-CP765DM/5	51
888	60	K38-CP920DM/6	51
920	60	K38-CP920DM/6	51
1050	50	K50-CP1005DM/5	52
1240	60	K50-CP1230DM/6	52

C SAFE – FOR EMERGENCY GENSET APPLICATIONS

kWe	Frequency (Hz)	Model Name	Page
74	50	6B-CS74DM/5	47
92	60	6B-CS92DM/6	47
136	50	6C-CS136DM/5	49
152	60	6C-CS152DM/6	49



CCEC PRODUCT LINE

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.



CCEC PRODUCT LINE (Continued)

PROPULSION PRODUCTS

kW	BHP	RPM	Engine Model	Rating	Page
179	240	1800	NT855-M CCEC	CON	64
201	270	1800	NT855-M CCEC	CON	64
224	300	1800	NT855-M CCEC	CON	64
261	350	1800	NTA855-M CCEC	CON	65
298	400	1800	NTA855-M CCEC	CON	65
336	450	1800	NTA855-M CCEC	CON	65
317	425	1800	KT19-M CCEC	CON	66
351	470	1800	KTA19-M CCEC	CON	67
373	500	1800	KTA19-M CCEC	CON	67

AUXILIARY PRODUCTS

kWe*	kW	HP	HZ	Engine Model	Page
169	180	241	50	NT855-D(M) CCEC	68
226	240	322	50	NTA855-D(M) CCEC	69
267	284	380	50	NTA855-D(M) CCEC	69
270	287	385	60	NTA855-D(M) CCEC	69
295	313	420	60	NTA855-D(M) CCEC	69
298	317	425	50	NTA855-D(M) CCEC	69
316	336	450	50	KTA19-D(M) CCEC	70
368	392	525	60	KTA19-D(M) CCEC	70

*kWe reflects the approximate amount of power available when used in a keel cooled genset configuration.

KTA19-M3

MAIN PROPULSION

GENERAL SPECIFICATIONS

Configuration	In-line, 6 cylinder, 4-stroke diesel		
Aspiration	Turbocharged/Aftercooled		
Displacement	19 liters	1150 in ³	
Bore & Stroke	159x159 mm	6.25x6.25 in	
Compression Ratio	13.8:1		
Rotation	Counterclockwise facing flywheel		

COMMERCIAL RATINGS

kW	BHP	RPM	Fuel Cons		Rating	Emissions
			L/hr	Gal/hr		
373	500	1800	67.2	17.8	CON	IMO
395	530	1800	70.7	18.7	CON	IMO
447	600	1800	79.8	21.1	CON	IMO
477	640	1800	84.1	22.2	HD	IMO

For more information on Average Fuel Consumption, Ratings and Emissions, please see pages 2-7

GENERAL ENGINE DIMENSIONS

Length	mm (in)	1877	(74)	KC
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 liters	1150 in ³	
Bore & Stroke	159x159 mm	6.25x6.25 in	
Compression Ratio	13.8:1		
Rotation	Counterclockwise facing flywheel		

COMMERCIAL RATINGS

kW	BHP	RPM	Fuel Cons		Rating	Emissions
			L/hr	Gal/hr		
522	700	2100	93.5	24.6	HD	IMO

For more information on Average Fuel Consumption, Ratings and Emissions, please see pages 2-7

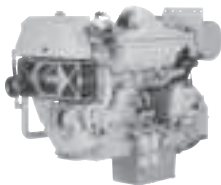
GENERAL ENGINE DIMENSIONS

Length	mm (in)	1877	(74)	KC
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 TIER 2

MAIN PROPULSION



GENERAL SPECIFICATIONS

Configuration	In-line, 6 cylinder, 4-stroke diesel		
Aspiration	Turbocharged/Aftercooled		
Displacement	19 liters	1150 in ³	
Bore & Stroke	159x159 mm	6.25x6.25 in	
Compression Ratio	15.0:1		
Rotation	Counterclockwise facing flywheel		

COMMERCIAL RATINGS

kW	BHP	RPM	Fuel Cons		Rating	Emissions
			L/hr	Gal/hr		
373	500	1800	68.9	18.2	CON	EPA2/EC
447	600	1800	77.6	20.5	CON	EPA2/EC
492	660	1800	95.0	25.1	CON	EPA2/EC
560	750	1800	99.2	26.2	HD	EPA2/EC
567	760	2100	102.2	27.0	HD	EPA2/EC
597	800	2100	109.8	29.0	MCD	EPA2/EC

For more information on Average Fuel Consumption, Ratings and Emissions, please see pages 2-7

GENERAL ENGINE DIMENSIONS

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

Dimensions may vary based on selected engine configuration

This product is only available in EPA- or EU- regulated areas.
Contact your local Cummins professional for more information.

KTA38-M0

MAIN PROPULSION



GENERAL SPECIFICATIONS

Configuration	V-12 cylinder, 4-stroke diesel	
Aspiration	Turbocharged/Aftercooled	
Displacement	38 liters	2300 in ³
Bore & Stroke	159x159 mm	6.25x6.25 in
Compression Ratio	13.9:1	
Rotation	Counterclockwise facing flywheel	

COMMERCIAL RATINGS

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

For more information on Average Fuel Consumption, Ratings and Emissions, please see pages 2-7

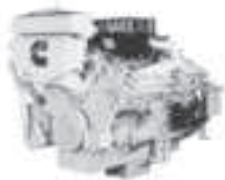
GENERAL ENGINE DIMENSIONS

Length	mm (in)	2152	(84)	KC
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 liters	2300 in ³	
Bore & Stroke	159x159 mm	6.25x6.25 in	
Compression Ratio	13.9:1		
Rotation	Counterclockwise facing flywheel		

COMMERCIAL RATINGS

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

For more information on Average Fuel Consumption, Ratings and Emissions, please see pages 2-7

GENERAL ENGINE DIMENSIONS

Length	mm (in)	2152	(84)	KC
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 liters	2300 in ³
Bore & Stroke	159x159 mm	6.25x6.25 in
Compression Ratio	13.9:1	
Rotation	Counterclockwise facing flywheel	

COMMERCIAL RATINGS

kW	BHP	RPM	Fuel Cons		Rating	Emissions
			L/hr	Gal/hr		
783	1050	1600	138.0	36.5	CON	IMO
895	1200	1800	155.2	41.0	CON	IMO
969	1300	1800	158.2	41.8	HD	IMO
1007	1350	1900	172.6	45.6	HD	IMO
1007	1350	1950	174.0	46.0	HD	IMO
1044	1400	1950	179.0	47.3	MCD	IMO
1119	1500	2050	197.6	52.2	INT	IMO

For more information on Average Fuel Consumption, Ratings and Emissions, please see pages 2-7

GENERAL ENGINE DIMENSIONS

Length	mm (in)	2152	(84)	KC
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 TIER 2

MAIN PROPULSION



GENERAL SPECIFICATIONS

Configuration	V-12 cylinder, 4 stroke diesel		
Aspiration	Turbocharged/Aftercooled		
Displacement	38 Liters	2300 in ³	
Bore & Stroke	159x159 mm	6.25x6.25 in	
Compression Ratio	16.5:1		
Rotation	Counterclockwise facing flywheel		

COMMERCIAL RATINGS

kW	BHP	RPM	Fuel Cons		Rating	Emissions
			L/hr	Gal/hr		
634	850	1800	117.5	31.0	CON	EPA2/EC
746	1000	1800	132.9	35.1	CON	EPA2/EC

For more information on Average Fuel Consumption, Ratings and Emissions, please see pages 2-7

GENERAL ENGINE DIMENSIONS

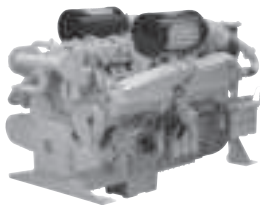
Length	mm (in)	2152	(84)	KC
Width	mm (in)	1462	(58)	
Height	mm (in)	2083	(82)	
Weight	kg (lb)	4218	(9300)	

Dimensions may vary based on selected engine configuration

This product is only available in EPA- or EU- regulated areas.
Contact your local Cummins professional for more information.

QSK38-M TIER 2

MAIN PROPULSION



GENERAL SPECIFICATIONS

Configuration	V-12 cylinder, 4-stroke diesel		
Aspiration	Turbocharged/Aftercooled		
Displacement	38 liters	2300 in ³	
Bore & Stroke	159x159 mm	6.25x6.25 in	
Compression Ratio	15.0:1		
Rotation	Counterclockwise facing flywheel		

COMMERCIAL RATINGS

kW	BHP	RPM	Fuel Cons		Rating	Emissions
			L/hr	Gal/hr		
895	1200	1800	164.2	43.4	CON	EPA2/EC
970	1300	1800	176.9	46.7	CON	EPA2/EC
1007	1350	1900	188.0	49.7	HD	EPA2/EC
1044	1400	1800	188.0	49.7	HD	EPA2/EC

For more information on Average Fuel Consumption, Ratings and Emissions, please see pages 2-7

GENERAL ENGINE DIMENSIONS

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

Dimensions may vary based on selected engine configuration

This product is only available in EPA- or EU- regulated areas.
Contact your local Cummins professional for more information.

KTA50-M2

MAIN PROPULSION



GENERAL SPECIFICATIONS

Configuration	V-16 cylinder, 4-stroke diesel		
Aspiration	Turbocharged/Aftercooled		
Displacement	50 liters	3067 in ³	
Bore & Stroke	159x159 mm	6.25x6.25 in	
Compression Ratio	13.9:1		
Rotation	Counterclockwise facing flywheel		

COMMERCIAL RATINGS

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

For more information on Average Fuel Consumption, Ratings and Emissions, please see pages 2-7

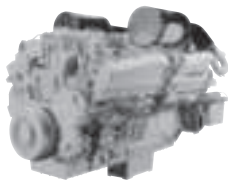
GENERAL ENGINE DIMENSIONS

Length	mm (in)	2694	(106)	KC
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 TIER 2

MAIN PROPULSION



GENERAL SPECIFICATIONS

Configuration	V-16 cylinder, 4-stroke diesel		
Aspiration	Turbocharged/Aftercooled		
Displacement	50 liters	3068 in ³	
Bore & Stroke	159x159 mm	6.25x6.25 in	
Compression Ratio	13.9:1		
Rotation	Counterclockwise facing flywheel		

COMMERCIAL RATINGS

kW	BHP	RPM	Fuel Cons		Rating	Emissions
			L/hr	Gal/hr		
1193	1600	1800	228.2	60.3	CON	EPA2/EC
1268	1700	1800	238.2	62.9	CON	EPA2/EC
1342	1800	1800	253.2	66.9	HD	EPA2/EC
1342	1800	1900	258.0	68.1	HD	EPA2/EC

For more information on Average Fuel Consumption, Ratings and Emissions, please see pages 2-7

GENERAL ENGINE DIMENSIONS

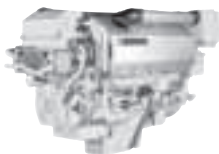
Length	mm (in)	3186	(125)	KC
Width	mm (in)	1642	(65)	
Height	mm (in)	2108	(83)	
Weight	kg (lb)	N/A	N/A	

Dimensions may vary based on selected engine configuration

This product is only available in EPA- or EU- regulated areas.
Contact your local Cummins professional for more information.

QSK60-M

MAIN PROPULSION



GENERAL SPECIFICATIONS

Configuration	V-16 cylinder, 4-stroke diesel	
Aspiration	Turbocharged/Aftercooled	
Displacement	60.2 liters	3672 in ³
Bore & Stroke	159x190 mm	6.25x7.48 in
Compression Ratio	14.5:1	
Rotation	Counterclockwise facing flywheel	

COMMERCIAL RATINGS

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

For more information on Average Fuel Consumption, Ratings and Emissions, please see pages 2-7

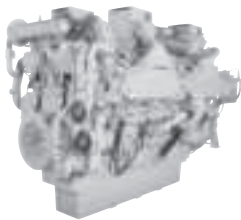
GENERAL ENGINE DIMENSIONS

Length	mm (in)	3357	(132)	KC
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 TIER 2

MAIN PROPULSION-PRELIMINARY



GENERAL SPECIFICATIONS

Configuration	V-16 cylinder, 4-stroke diesel		
Aspiration	Turbocharged/Aftercooled		
Displacement	60.2 liters	3672 in ³	
Bore & Stroke	159x190 mm	6.25x7.48 in	
Compression Ratio	14.5:1		
Rotation	Counterclockwise facing flywheel		

COMMERCIAL RATINGS

kW	BHP	RPM	Fuel Cons		Rating	Emissions
			L/hr	Gal/hr		
1491	2000	1600	255.6	67.5	CON	EPA2/EC
1491	2000	1800	270.2	71.4	CON	EPA2/EC
1641	2200	1800	281.1	74.3	CON	EPA2/EC
1715	2300	1900	296.3	78.3	HD	EPA2/EC
1864	2500	1900	322.6	85.2	MCD	EPA2/EC

For more information on Average Fuel Consumption, Ratings and Emissions, please see pages 2-7

GENERAL ENGINE 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

This product is only available in EPA- or EU- regulated areas.
Contact your local Cummins professional for more information.

6BT5.9-D(M)

MARINE AUXILIARY



GENERAL SPECIFICATIONS

Configuration	In-line, 6 cylinder, 4-stroke diesel		
Aspiration	Turbocharged		
Displacement	5.9 liters	359 in ³	
Bore & Stroke	102x120 mm	4.02x4.75 in	
Compression Ratio	16.5:1		
Rotation	Counterclockwise facing flywheel		

RATINGS

Output Power			Hz	Fuel Cons		Rating	Emissions
kW	BHP	kWe*		L/hr	Gal/hr		
78	104	71	50	10.7	2.8	Prime	N/A
91	122	80	50	11.3	3.0	Prime	N/A
91	122	83	60	12.7	3.4	Prime	N/A
112	150	99	60	14.0	3.7	Prime	N/A

*kWe reflects the approximate amount of power available when used in a keel cooled genset configuration

For more information on Average Fuel Consumption, Ratings and Emissions, please see pages 2-7

GENERAL ENGINE 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		
Displacement	5.9 liters	359 in ³	
Bore & Stroke	102x120 mm	4.02x4.75 in	
Compression Ratio	16.5:1		
Rotation	Counterclockwise facing flywheel		

RATINGS

Output Power			Hz	Fuel Cons		Rating	Emissions**
kW	BHP	kWe*		L/hr	Gal/hr		
75	100	72	60	12.1	3.2	Prime	EPA2
93	125	90	60	14.1	3.7	Prime	EPA2

*kWe reflects the approximate amount of power available when used in a keel cooled genset configuration

**Products below 130 kW do not require IMO compliance

For more information on Average Fuel Consumption, Ratings and Emissions, please see pages 2-7

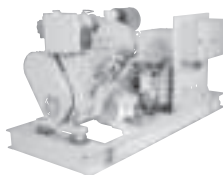
GENERAL ENGINE DIMENSIONS

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

6CT8.3-D(M)

MARINE AUXILIARY



GENERAL SPECIFICATIONS

Configuration	In-line, 6 cylinder, 4-stroke diesel		
Aspiration	Turbocharged		
Displacement	8.3 liters	504.5 in ³	
Bore & Stroke	114x135 mm	4.49x5.32 in	
Compression Ratio	16.8:1		
Rotation	Counterclockwise facing flywheel		

RATINGS

Output Power			Hz	Fuel Cons		Rating	Emissions
kW	BHP	kWe*		L/hr	Gal/hr		
122	164	113	50	14.9	3.9	Prime	IMO
140	188	129	60	18.7	4.9	Prime	IMO

*kWe reflects the approximate amount of power available when used in a keel cooled genset configuration

For more information on Average Fuel Consumption, Ratings and Emissions, please see pages 2-7

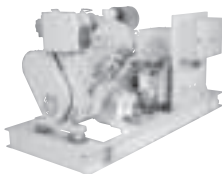
GENERAL ENGINE DIMENSIONS

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)/DM

MARINE AUXILIARY



GENERAL SPECIFICATIONS

Configuration	In-line, 6 cylinder, 4-stroke diesel
Aspiration	Turbocharged/Aftercooled
Displacement	8.3 liters 504.5 in ³
Bore & Stroke	114x135 mm 4.49x5.32 in
Compression Ratio	16.8:1
Rotation	Counterclockwise facing flywheel

RATINGS

Output Power			Hz	Fuel Cons		Rating	Emissions
kW	BHP	kWe*		L/hr	Gal/hr		
163	219	135	50	19.3	5.1	Prime	IMO
164	220	136	50	20.5	5.4	Prime	IMO
181	242	170	60	23.4	6.2	Prime	IMO
188	252	173	60	23.0	6.1	Prime	IMO
201	270	185	60	27.0	7.1	Prime	EPA2

*kWe reflects the approximate amount of power available when used in a keel cooled genset configuration

For more information on Average Fuel Consumption, Ratings and Emissions, please see pages 2-7

GENERAL ENGINE 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/D(M)

MARINE AUXILIARY



GENERAL SPECIFICATIONS

Configuration	In-line, 6 cylinder, 4-stroke diesel	
Aspiration	Turbocharged/Aftercooled	
Displacement	10.8 liters	661 in ³
Bore & Stroke	125x147 mm	4.92x5.79 in
Compression Ratio	15.9:1	
Rotation	Counterclockwise facing flywheel	

RATINGS

Output Power			Hz	Fuel Cons		Rating	Emissions
kW	BHP	kWe*		L/hr	Gal/hr		
265	355	250	50	32.1	8.5	Prime	EPA2
265	355	250	60	33.7	8.9	Prime	IMO
317	425	300	60	39.2	10.4	Prime	EPA2

*kWe reflects the approximate amount of power available when used in a keel cooled genset configuration

For more information on Average Fuel Consumption, Ratings and Emissions, please see pages 2-7

GENERAL ENGINE 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 liters	855 in ³	
Bore & Stroke	140x152 mm	5.50x6.00 in	
Compression Ratio	14.0:1		
Rotation	Counterclockwise facing flywheel		

RATINGS

Output Power			Hz	Fuel Cons		Rating	Emissions
kW	BHP	kWe*		L/hr	Gal/hr		
209	280	194	50	N/A	N/A	Prime	N/A
231	310	215	50	N/A	N/A	Prime	N/A
242	325	225	50	N/A	N/A	Prime	N/A
254	340	236	60	N/A	N/A	Prime	N/A
265	355	246	60	N/A	N/A	Prime	N/A
295	395	274	60	N/A	N/A	Prime	N/A

*kWe reflects the approximate amount of power available when used in a keel cooled genset configuration

For more information on Average Fuel Consumption, Ratings and Emissions, please see pages 2-7

GENERAL ENGINE 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 liters 855 in ³
Bore & Stroke	140x152 mm 5.50x6.00 in
Compression Ratio	14.0:1
Rotation	Counterclockwise facing flywheel

RATINGS

Output Power			Hz	Fuel Cons		Rating	Emissions
kW	BHP	kWe*		L/hr	Gal/hr		
280	375	260	50	N/A	N/A	Prime	N/A
306	410	284	50	N/A	N/A	Prime	N/A
313	420	295	60	N/A	N/A	Prime	N/A
358	480	337	60	N/A	N/A	Prime	N/A

*kWe reflects the approximate amount of power available when used in a keel cooled genset configuration

For more information on Average Fuel Consumption, Ratings and Emissions, please see pages 2-7

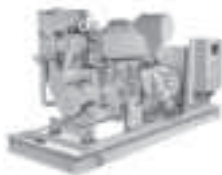
GENERAL ENGINE DIMENSIONS

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 liters	1150 in ³	
Bore & Stroke	159x159 mm	6.25x6.25 in	
Compression Ratio	13.9:1		
Rotation	Counterclockwise facing flywheel		

RATINGS

Output Power			Hz	Fuel Cons		Rating	Emissions
kW	BHP	kWe*		L/hr	Gal/hr		
336	450	316	50	44.8	11.8	Prime	N/A
392	525	368	60	53.6	14.2	Prime	N/A
403	540	379	50	49.5	13.1	Prime	IMO
448	600	421	50	54.2	14.3	Prime	N/A
463	620	435	60	59.3	15.7	Prime	IMO
507	680	477	60	62.5	16.5	Prime	N/A

*kWe reflects the approximate amount of power available when used in a keel cooled genset configuration

For more information on Average Fuel Consumption, Ratings and Emissions, please see pages 2-7

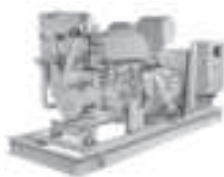
GENERAL ENGINE DIMENSIONS

Length	mm (in)	1877	(74)	KC
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 liters 1150 in ³
Bore & Stroke	159x159 mm 6.25x6.25 in
Compression Ratio	13.9:1
Rotation	Counterclockwise facing flywheel

RATINGS

Output Power			Hz	Fuel Cons		Rating	Emissions
kW	BHP	kWe*		L/hr	Gal/hr		
358	480	335	50	47.1	12.4	Prime	IMO
410	550	390	50	52.5	13.9	Prime	IMO
425	570	400	60	58.8	15.5	Prime	IMO
485	650	450	60	64.7	17.1	Prime	IMO

*kWe reflects the approximate amount of power available when used in a keel cooled genset configuration

For more information on Average Fuel Consumption, Ratings and Emissions, please see pages 2-7

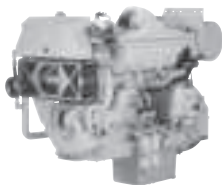
GENERAL ENGINE DIMENSIONS

Length	mm (in)	1877	(74)	KC
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 TIER 2

MARINE AUXILIARY



GENERAL SPECIFICATIONS

Configuration	In-line, 6 cylinder, 4-stroke diesel	
Aspiration	Turbocharged/Aftercooled	
Displacement	19 liters	1150 in ³
Bore & Stroke	159x159 mm	6.25x6.25 in
Compression Ratio	15.0:1	
Rotation	Counterclockwise facing flywheel	

RATINGS

Output Power			Hz	Fuel Cons		Rating	Emissions
kW	BHP	kWe*		L/hr	Gal/hr		
563	755	541	60	34.8	9.2	Prime	EPA2/EC

*kWe reflects the approximate amount of power available when used in a keel cooled genset configuration

For more information on Average Fuel Consumption, Ratings and Emissions, please see pages 2-7

GENERAL ENGINE DIMENSIONS

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

Dimensions may vary based on selected engine configuration

This product is only available in EPA- or EU- regulated areas.
Contact your local Cummins professional for more information.

VTA28-D(M)

MARINE AUXILIARY

GENERAL SPECIFICATIONS

Configuration	V-12 cylinder, 4-stroke diesel		
Aspiration	Turbocharged/Aftercooled		
Displacement	28 liters	1710 in ³	
Bore & Stroke	140x152 mm	5.50x6.00 in	
Compression Ratio	13.1:1		
Rotation	Counterclockwise facing flywheel		

RATINGS

Output Power			Hz	Fuel Cons		Rating	Emissions
kW	BHP	kWe*		L/hr	Gal/hr		
515	690	484	60	N/A	N/A	Prime	N/A
560	750	526	50	N/A	N/A	Prime	IMO
560	750	526	60	N/A	N/A	Prime	N/A
608	815	572	60	N/A	N/A	Prime	IMO

*kWe reflects the approximate amount of power available when used in a keel cooled genset configuration

For more information on Average Fuel Consumption, Ratings and Emissions, please see pages 2-7

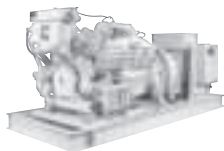
GENERAL ENGINE DIMENSIONS

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 liters	2300 in ³	
Bore & Stroke	159x159 mm	6.25x6.25 in	
Compression Ratio	13.9-14.5:1		
Rotation	Counterclockwise facing flywheel		

RATINGS

Output Power			Hz	Fuel Cons		Rating	Emissions
kW	BHP	kWe*		L/hr	Gal/hr		
634	850	609	50	84.3	22.3	Prime	N/A
664	890	637	50	87.5	23.1	Prime	N/A
768	1030	738	60	104.4	27.6	Prime	N/A
806	1080	782	50	103.7	27.4	Prime	N/A
809	1085	777	60	108.6	28.7	Prime	N/A
880	1180	845	50	109.4	28.9	Prime	N/A
910	1220	874	60	116.8	30.9	Prime	N/A
1007	1350	967	60	131.6	34.8	Prime	N/A

*kWe reflects the approximate amount of power available when used in a keel cooled genset configuration

For more information on Average Fuel Consumption, Ratings and Emissions, please see pages 2-7

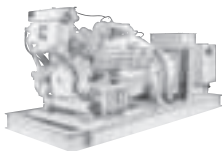
GENERAL ENGINE DIMENSIONS

Length	mm (in)	2152	(84)	KC
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 liters	2300 in ³	
Bore & Stroke	159x159 mm	6.25x6.25 in	
Compression Ratio	13.9-14.5:1		
Rotation	Counterclockwise facing flywheel		

RATINGS

Output Power			Hz	Fuel Cons		Rating	Emissions
kW	BHP	kWe*		L/hr	Gal/hr		
746	1000	716	50	91.7	24.2	Prime	IMO
821	1100	788	60	104.0	27.5	Prime	IMO
880	1180	845	50	104.1	27.5	Prime	IMO
970	1300	920	60	122.2	32.3	Prime	IMO

*kWe reflects the approximate amount of power available when used in a keel cooled genset configuration

For more information on Average Fuel Consumption, Ratings and Emissions, please see pages 2-7

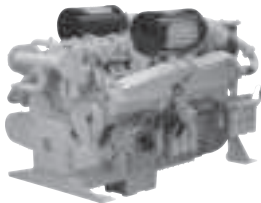
GENERAL ENGINE DIMENSIONS

Length	mm (in)	2152	(84)	KC
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 TIER 2

MARINE AUXILIARY



GENERAL SPECIFICATIONS

Configuration	V-12 cylinder, 4-stroke diesel	
Aspiration	Turbocharged/Aftercooled	
Displacement	38 liters	2300 in ³
Bore & Stroke	159x159 mm	6.25x6.25 in
Compression Ratio	15.0:1	
Rotation	Counterclockwise facing flywheel	

RATINGS

Output Power			Hz	Fuel Cons		Rating	Emissions
kW	BHP	kWe*		L/hr	Gal/hr		
984	1320	950	50	128.9	34.1	Prime	EPA2/EC
1044	1400	1010	60	141.7	37.4	Prime	EPA2/EC

*kWe reflects the approximate amount of power available when used in a keel cooled genset configuration

For more information on Average Fuel Consumption, Ratings and Emissions, please see pages 2-7

GENERAL ENGINE DIMENSIONS

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

Dimensions may vary based on selected engine configuration

This product is only available in EPA- or EU- regulated areas.
Contact your local Cummins professional for more information.

KTA50-D(M)

MARINE AUXILIARY



GENERAL SPECIFICATIONS

Configuration	V-16 cylinder, 4-stroke diesel		
Aspiration	Turbocharged/Aftercooled		
Displacement	50 liters	3067 in ³	
Bore & Stroke	159x159 mm	6.25x6.25 in	
Compression Ratio	13.9-14.5:1		
Rotation	Counterclockwise facing flywheel		

RATINGS

Output Power			Hz	Fuel Cons		Rating	Emissions
kW	BHP	kWe*		L/hr	Gal/hr		
880	1180	845	50	116.8	30.9	Prime	N/A
900	1206	864	50	N/A	N/A	Prime	N/A
1000	1340	960	60	N/A	N/A	Prime	N/A
1007	1350	967	60	138.1	36.5	Prime	N/A
1097	1470	1053	50	134.1	35.4	Prime	N/A
1220	1635	1171	60	153.7	40.1	Prime	N/A

*kWe reflects the approximate amount of power available when used in a keel cooled genset configuration

For more information on Average Fuel Consumption, Ratings and Emissions, please see pages 2-7

GENERAL ENGINE DIMENSIONS

Length	mm (in)	2694	(106)	KC
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 liters	3067 in ³	
Bore & Stroke	159x159 mm	6.25x6.25 in	
Compression Ratio	13.9-14.5:1		
Rotation	Counterclockwise facing flywheel		

RATINGS

Output Power			Hz	Fuel Cons		Rating	Emissions
kW	BHP	kWe*		L/hr	Gal/hr		
1007	1350	967	50	118.9	31.4	Prime	IMO
1097	1470	1050	50	129.5	34.2	Prime	IMO
1141	1530	1096	60	138.6	36.6	Prime	IMO
1291	1730	1240	60	152.8	40.4	Prime	IMO

*kWe reflects the approximate amount of power available when used in a keel cooled genset configuration

For more information on Average Fuel Consumption, Ratings and Emissions, please see pages 2-7

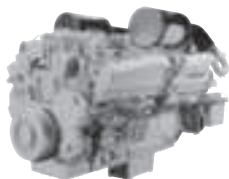
GENERAL ENGINE DIMENSIONS

Length	mm (in)	2694	(106)	KC
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 TIER 2

MARINE AUXILIARY



GENERAL SPECIFICATIONS

Configuration	V-16 cylinder, 4-stroke diesel		
Aspiration	Turbocharged/Aftercooled		
Displacement	50 liters	3068 in ³	
Bore & Stroke	159x159 mm	6.25x6.25 in	
Compression Ratio	15.0:1		
Rotation	Counterclockwise facing flywheel		

RATINGS

Output Power			Hz	Fuel Cons		Rating	Emissions
kW	BHP	kWe*		L/hr	Gal/hr		
1216	1630	1180	50	166.4	44.0	Prime	EPA2/EC
1343	1800	1300	60	184.3	48.7	Prime	EPA2/EC

*kWe reflects the approximate amount of power available when used in a keel cooled genset configuration

For more information on Average Fuel Consumption, Ratings and Emissions, please see pages 2-7

GENERAL ENGINE DIMENSIONS

Length	mm (in)	3186	(125)	KC
Width	mm (in)	1642	(65)	
Height	mm (in)	2108	(83)	
Weight	kg (lb)	N/A	N/A	

Dimensions may vary based on selected engine configuration

This product is only available in EPA- or EU- regulated areas.
Contact your local Cummins professional for more information.

QSK60-D(M)

MARINE AUXILIARY



GENERAL SPECIFICATIONS

Configuration	V-16 cylinder, 4-stroke diesel		
Aspiration	Turbocharged/Aftercooled		
Displacement	60.2 liters	3672 in ³	
Bore & Stroke	159x190 mm	6.25x7.48 in	
Compression Ratio	14.5:1		
Rotation	Counterclockwise facing flywheel		

RATINGS

Output Power			Hz	Fuel Cons		Rating	Emissions
kW	BHP	kWe*		L/hr	Gal/hr		
1563	2095	1500	50	185.8	49.1	Prime	IMO
1900	2547	1825	60	236.6	62.5	Prime	IMO

*kWe reflects the approximate amount of power available when used in a keel cooled genset configuration

For more information on Average Fuel Consumption, Ratings and Emissions, please see pages 2-7

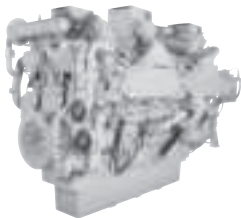
GENERAL ENGINE DIMENSIONS

Length	mm (in)	3357	(132)	KC
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 TIER 2

MARINE AUXILIARY-PRELIMINARY



GENERAL SPECIFICATIONS

Configuration	V-16 cylinder, 4-stroke diesel		
Aspiration	Turbocharged/Aftercooled		
Displacement	60.2 liters	3672 in ³	
Bore & Stroke	159x190 mm	6.25x7.48 in	
Compression Ratio	14.5:1		
Rotation	Counterclockwise facing flywheel		

RATINGS

Output Power			Hz	Fuel Cons		Rating	Emissions
kW	BHP	kWe*		L/hr	Gal/hr		
1563	2095	1500	50	192.1	50.7	Prime	EPA2/EC
1900	2547	1825	60	239.8	63.3	Prime	EPA2/EC

*kWe reflects the approximate amount of power available when used in a keel cooled genset configuration

For more information on Average Fuel Consumption, Ratings and Emissions, please see pages 2-7

GENERAL ENGINE 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

This product is only available in EPA- or EU- regulated areas.
Contact your local Cummins professional for more information.

6B-CP

C POWER MARINE GENSET



Engine Model

6BT5.9-D(M)

Alternator

Newage UCM274E

RATINGS

Prime Power @ 50 Hz (1500 RPM)

kWe	Fuel Cons		Model	Voltage	Emissions
	L/hr	Gal/hr			
80	11.3	3.0	6B-CP80DM/5	380	N/A
				400	
				415	

Prime Power @ 60 Hz (1800 RPM)

kWe	Fuel Cons		Model	Voltage	Emissions
	L/hr	Gal/hr			
99	14.0	3.7	6B-CP99DM/6	416	N/A
				440	
				460	
				480	

For more information on Average Fuel Consumption, Ratings and Emissions, please see pages 2-7

SET DIMENSIONS

Length	mm (in)	2240	(88)	
Width	mm (in)	1250	(49)	
Height	mm (in)	1270	(50)	
Weight	kg (lb)	1270	(2800)	KC
		1350	(2977)	HX

Dimensions may vary based on selected engine configuration

6B-CS

C SAFE MARINE GENSET



Engine Model

6BT5.9-D(M)

Alternator

Newage UCM274E

RATINGS

Prime Power @ 50 Hz (1500 RPM)

kWe	Fuel Cons		Model	Voltage	Emissions
	L/hr	Gal/hr			
74	11.3	3.0	6B-CS74DM/5	380	N/A
				400	
				415	

Prime Power @ 60 Hz (1800 RPM)

kWe	Fuel Cons		Model	Voltage	Emissions
	L/hr	Gal/hr			
92	14.0	3.7	6B-CS92DM/6	416	N/A
				440	
				460	
				480	

For more information on Average Fuel Consumption, Ratings and Emissions, please see pages 2-7

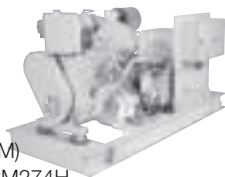
SET DIMENSIONS

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



Engine Model
Alternator

6CTA8.3-D(M)
Newage UCM274H

RATINGS

Prime Power @ 50 Hz (1500 RPM)

kWe	Fuel Cons		Model	Voltage	Emissions
	L/hr	Gal/hr			
136	20.5	5.4	6C-CP136DM/5	380	IMO
				400	
				415	

Prime Power @ 60 Hz (1800 RPM)

kWe	Fuel Cons		Model	Voltage	Emissions
	L/hr	Gal/hr			
160	23.4	6.2	6C-CP170DM/6	416	IMO
170	23.4	6.2	6C-CP170DM/6	440	IMO
				460	
				480	

For more information on Average Fuel Consumption, Ratings and Emissions, please see pages 2-7

SET DIMENSIONS

Length	mm (in)	2400	(94)	
Width	mm (in)	1250	(49)	
Height	mm (in)	1270	(50)	
Weight	kg (lb)	1720	(3792)	KC
		1800	(3968)	HX

Dimensions may vary based on selected engine configuration

6C-CS

C SAFE MARINE GENSET



Engine Model
Alternator

6CTA8.3-D(M)
Newage UCM274H

RATINGS

Prime Power @ 50 Hz (1500 RPM)

kWe	Fuel Cons		Model	Voltage	Emissions
	L/hr	Gal/hr			
136	20.5	5.4	6C-CS136DM/5	380	IMO
				400	
				415	

Prime Power @ 60 Hz (1800 RPM)

kWe	Fuel Cons		Model	Voltage	Emissions
	L/hr	Gal/hr			
152	23.4	6.2	6C-CS152DM/6	416	IMO
				440	
				460	
				480	

For more information on Average Fuel Consumption, Ratings and Emissions, please see pages 2-7

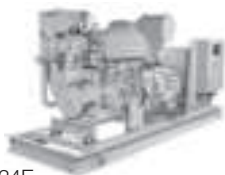
SET DIMENSIONS

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



Engine Model

KTA19-D(M1)

Alternator

Newage HCM534E

RATINGS

Prime Power @ 50 Hz (1500 RPM)

kWe	Fuel Cons		Model	Voltage	Emissions
	L/hr	Gal/hr			
335	47.1	12.4	K19-CP335DM/5	380	IMO
				400	
				415	
				440	
380	52.5	13.9	K19-CP380DM/5	380	IMO
390	52.5	13.9	K19-CP380DM/5	400	IMO
				415	
				440	

Prime Power @ 60 Hz (1800 RPM)

kWe	Fuel Cons		Model	Voltage	Emissions
	L/hr	Gal/hr			
400	58.8	15.5	K19-CP400DM/6	416	IMO
				440	
				460	
				480	
450	64.7	17.1	K19-CP460DM/6	416	IMO
460	64.7	17.1	K19-CP460DM/6	440	IMO
				460	
				480	

For more information on Average Fuel Consumption, Ratings and Emissions, please see pages 2-7

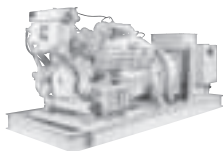
SET DIMENSIONS

Length	mm (in)	3500	(137)	
Width	mm (in)	1540	(60)	
Height	mm (in)	2100	(82)	
Weight	kg (lb)	4100	(9039)	KC
		4300	(9480)	HX

Dimensions may vary based on selected engine configuration

K38-CP

C POWER MARINE GENSET



Engine Model

KTA38-D(M1)

Alternator

Newage PM734B

RATINGS

Prime Power @ 50 Hz (1500 RPM)

kWe	Fuel Cons		Model	Voltage	Emissions
	L/hr	Gal/hr			
764	104.1	27.5	K38-CP765DM/5	380	IMO
804	104.1	27.5	K38-CP765DM/5	400	IMO
832	104.1	27.5	K38-CP765DM/5	415	IMO
845	104.1	27.5	K38-CP765DM/5	440	IMO

Prime Power @ 60 Hz (1800 RPM)

kWe	Fuel Cons		Model	Voltage	Emissions
	L/hr	Gal/hr			
888	122.2	32.3	K38-CP920DM/6	416	IMO
920	122.2	32.3	K38-CP920DM/6	440	IMO
				460	
				480	

For more information on Average Fuel Consumption, Ratings and Emissions, please see pages 2-7

SET DIMENSIONS

Length	mm (in)	4500	(177)	
Width	mm (in)	1900	(74)	
Height	mm (in)	2100	(82)	
Weight	kg (lb)	8200	(18078)	KC
		8500	(18739)	HX

Dimensions may vary based on selected engine configuration

K50-CP

C POWER MARINE GENSET

Engine Model	KTA50-D(M1)
Alternator	Newage PM734E

RATINGS

Prime Power @ 50 Hz (1500 RPM)

kWe	Fuel Cons		Model	Voltage	Emissions
	L/hr	Gal/hr			
1050	129.5	34.2	K50-CP1005DM/5	380	IMO
				400	
				415	
				440	

Prime Power @ 60 Hz (1800 RPM)

kWe	Fuel Cons		Model	Voltage	Emissions
	L/hr	Gal/hr			
1240	152.8	40.4	K50-CP1230DM/6	416	IMO
				440	
				460	
				480	

For more information on Average Fuel Consumption, Ratings and Emissions, please see pages 2-7

SET DIMENSIONS

Length	mm (in)	5150	(203)
Width	mm (in)	1900	(75)
Height	mm (in)	2100	(83)
Weight	kg (lb)	9700	(21384) KC
		10000	(22046) HX

Dimensions may vary based on selected engine configuration

CENTINEL

FEATURES & BENEFITS

- Aftermarket kit available for the K-Series engines; installed as a factory option on the Tier 2 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

FEATURES & BENEFITS

- Available on the KTA38, KTA50 and all Tier 2 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

FEATURES & BENEFITS

- Available on the QSK38 and QSK50 Tier 2 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 (< 200mA @ 12VDC)
- Superior visibility even in direct sunlight

COMPATIBILITY

- QSM11-DM
- QSK19-M/DM Tier 2
- QSK38-M/DM
- QSK50-M/DM
- QSK60
- KTA19, KTA38 and KTA50 with CENTRY

C COMMAND

ELECTRONIC INFORMATION SYSTEM

SYSTEM FEATURES

- Modular design
- Simplified installation
- Durable/proven hardware
- Cost-effective for basic monitoring

COMPONENT FEATURES

Customer Interface Box (CIB) - Required



- Central engine-to-vessel interface point
- Eliminates randomly located wiring harness connections
- 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 (Continued)

ELECTRONIC INFORMATION SYSTEM

Control Panel (CP)* - Optional



- Remote interface for engine controls
- Contains:
 - Start/stop buttons
 - Alarm acknowledge button
 - Red alarm indication (with buzzer)
 - Local/remote control indication

Electronic Digital Display (ED-3)* - Optional



- 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

Gauge Instrument Panel (GP)* - Optional



- 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

* Also compatible with Elite and Elite Plus systems

C COMMAND ELITE

ELECTRONIC INFORMATION SYSTEM

SYSTEM FEATURES

- 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)

COMPONENT FEATURES

Customer Interface Box (CIB)



- 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

Remote Control Panel (RP) - Optional



- Remote digital interface to engine control
- Digital microprocessor controlled
- Features:
 - 8.4" FT color touch-screen display
 - Menu-driven user interface
 - Ethernet communication
 - Self-diagnostic
 - Start/stop control
 - Alarm indication
 - Station transfer control
 - Multiple engine monitoring capability

C COMMAND ELITE PLUS

ELECTRONIC INFORMATION SYSTEM

SYSTEM FEATURES

- 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

COMPONENT FEATURES

Customer Interface Box (CIB)



- Central engine-to-vessel interface point
- Same Features as C Command Elite CIB
- Plus:
 - RIO for alarm system sensors
 - SDU for safety system sensors
 - 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_{HD}

ELECTRONIC INFORMATION SYSTEM

SYSTEM FEATURES

- Available for use with QSM11 propulsion and auxiliary engines
- Modular design
- Simplified installation
- Durable/proven hardware
- Cost effective for basic monitoring

COMPONENT FEATURES

Engine Room Panel (ERP) - Required



- Local interface for engine controls
- Central engine-to-vessel integration point
- Eliminates randomly located wiring harness connections
- 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
 - Rotary keyswitch
 - Start/stop buttons
 - Alarm acknowledge button
 - Alarm indication (with buzzer)
 - Local/remote control button
 - Digital Display
 - Service Tool Connection

C COMMAND_{HD} (Continued)

ELECTRONIC INFORMATION SYSTEM

Control Panel (CP)* - Optional



- Remote interface for engine controls
- Contains:
 - Start/stop buttons
 - Alarm acknowledge button
 - Red alarm indication (with buzzer)
 - Local/remote control indication

Electronic Digital Display (ED-3)* - Optional



- Remote engine information display
- Displays:
 - Engine parameter information (text and graphics)
 - Engine alarm indication (full text)
 - Data trending
 - Internal buzzer
 - External alarm contact

* Also compatible with HD Elite Plus system

C COMMAND_{HD} ELITE PLUS

ELECTRONIC INFORMATION SYSTEM-PRELIMINARY

SYSTEM FEATURES

- Available for use with QSM11 propulsion and auxiliary engines
- 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

COMPONENT FEATURES

Engine Room Panel (ERP) - Required



- Central engine-to-vessel integration point
- 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

Remote Control Panel (RP) - Optional



- Remote digital interface to engine control
- Digital microprocessor controlled
- Features:
 - 8.4" FT color touch-screen display
 - Menu-driven user interface
 - Ethernet communication
 - Self diagnostic
 - Start/stop control
 - Alarm indication
 - Station transfer control
 - Multiple engine monitoring capability

NT855-M CCEC

MAIN PROPULSION



GENERAL SPECIFICATIONS

Configuration	In-line, 6 cylinder, 4-stroke diesel		
Aspiration	Turbocharged		
Displacement	14 liters	855 in ³	
Bore & Stroke	140x152 mm	5.50x6.00 in	
Compression Ratio	14.5:1		
Rotation	Counterclockwise facing flywheel		

COMMERCIAL RATINGS

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

For more information on Average Fuel Consumption, Ratings and Emissions, please see pages 2-7

GENERAL ENGINE DIMENSIONS

Length	mm (in)	1809	(71.2)
Width	mm (in)	881.4	(34.7)
Height	mm (in)	1598	(62.9)
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 liters	855 in ³
Bore & Stroke	140x152 mm	5.50x6.00 in
Compression Ratio	14.5:1	
Rotation	Counterclockwise facing flywheel	

COMMERCIAL RATINGS

kW	BHP	RPM	Fuel Cons		Rating	Emissions
			L/hr	Gal/hr		
261	350	1800	N/A	N/A	CON	IMO
298	400	1800	N/A	N/A	CON	IMO
336	450	1800	N/A	N/A	CON	IMO

For more information on Average Fuel Consumption, Ratings and Emissions, please see pages 2-7

GENERAL ENGINE DIMENSIONS

Length	mm (in)	1809	(71.2)
Width	mm (in)	881.1	(34.7)
Height	mm (in)	1598	(62.9)
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 liters	1150 in ³	
Bore & Stroke	159x159 mm	6.25x6.25 in	
Compression Ratio	15.5:1		
Rotation	Counterclockwise facing flywheel		

COMMERCIAL RATINGS

KW	BHP	RPM	Fuel Cons		Rating	Emissions
			L/hr	Gal/hr		
317	425	1800	N/A	N/A	CON	IMO

For more information on Average Fuel Consumption, Ratings and Emissions, please see pages 2-7

GENERAL ENGINE DIMENSIONS

Length	mm (in)	2161.5	(85)
Width	mm (in)	965	(38)
Height	mm (in)	1760.5	(69.5)
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 liters	1150 in ³	
Bore & Stroke	159x159 mm	6.25x6.25 in	
Compression Ratio	15.5:1		
Rotation	Counterclockwise facing flywheel		

COMMERCIAL RATINGS

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

For more information on Average Fuel Consumption, Ratings and Emissions, please see pages 2-7

GENERAL ENGINE DIMENSIONS

Length	mm (in)	2161.5	(85)
Width	mm (in)	965	(38)
Height	mm (in)	1760.5	(69.5)
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 liters	855 in ³	
Bore & Stroke	140x152 mm	5.50x6.00 in	
Compression Ratio	15.0:1		
Rotation	Counterclockwise facing flywheel		

RATINGS

Output Power		Hz	Fuel Cons		Rating	Emissions
kW	BHP	kWe*	L/hr	Gal/hr		
180	241	169	50	N/A	N/A	Prime IMO

*kWe reflects the approximate amount of power available when used in a keel cooled genset configuration

For more information on Average Fuel Consumption, Ratings and Emissions, please see pages 2-7

GENERAL ENGINE DIMENSIONS

Length	mm (in)	1806	(71.1)
Width	mm (in)	881	(34.7)
Height	mm (in)	1598	(62.9)
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 liters	855 in ³	
Bore & Stroke	140x152 mm	5.50x6.00 in	
Compression Ratio	14.5:1		
Rotation	Counterclockwise facing flywheel		

RATINGS

Output Power		Hz	Fuel Cons		Rating	Emissions	
kW	BHP	kWe*	L/hr	Gal/hr			
240	322	226	50	N/A	N/A	Prime	IMO
284	380	267	50	N/A	N/A	Prime	IMO
287	385	270	60	N/A	N/A	Prime	IMO
313	420	295	60	N/A	N/A	Prime	IMO
317	425	298	50	N/A	N/A	Prime	IMO

*kWe reflects the approximate amount of power available when used in a keel cooled genset configuration

For more information on Average Fuel Consumption, Ratings and Emissions, please see pages 2-7

GENERAL ENGINE DIMENSIONS

Length	mm (in)	1806	(71.1)
Width	mm (in)	881	(34.7)
Height	mm (in)	1598	(62.9)
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 liters	1150 in ³	
Bore & Stroke	159x159 mm	6.25x6.25 in	
Compression Ratio	14.5:1		
Rotation	Counterclockwise facing flywheel		

RATINGS

Output Power		Hz	Fuel Cons		Rating	Emissions	
kW	BHP	kWe*	L/hr	Gal/hr			
336	450	316	50	N/A	N/A	Prime	IMO
392	525	368	60	N/A	N/A	Prime	IMO

*kWe reflects the approximate amount of power available when used in a keel cooled genset configuration

For more information on Average Fuel Consumption, Ratings and Emissions, please see pages 2-7

GENERAL ENGINE DIMENSIONS

Length	mm (in)	2161.5	(85)
Width	mm (in)	965	(38)
Height	mm (in)	1760.5	(69.5)
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.

OTHER MARINE PRODUCTS FROM CUMMINS

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

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