QSL9

Marine Propulsion Engines for Commercial Applications

General Specifications

Configuration In-line, 6-cylinder, 4-stroke diesel

Aspiration Turbocharged / Aftercooled

Displacement 8.9 L

Bore & Stroke 114 X 145 mm

Rotation Counterclockwise facing flywheel

Fuel System High Pressure Common Rail

Product Dimensions and Weight

 Overall Length
 mm
 1362.3

 Length of Block
 mm
 856.0

 Overall Width
 mm
 969.8

 Overall Height
 mm
 1213.7

 Weight
 kg
 977

Dimensions and weight may vary based on selected engine configuration.



Power Ratings

Ou	Output Power			Pating	Fuel Consumption		Emissions			
kW	МНР	ВНР	Speed RPM	Definition	Rated Speed L/hr (gal/hr)	ISO* L/hr (gal/hr)	IMO	EPA	EU	RCD
peed										
209	285	281	1800	Continuous	54.3 (14.4)	36.9 (9.8)	2	_	3a	_
213**	290	286	1800	Continuous	53.4 (14.1)	37.3 (9.9)	2	3	За	_
213***	290	286	1800	Continuous	55.0 (14.5)	38.0 (10.0)	2	3	За	_
243	331	326	1800	Heavy Duty	61.7 (16.0)	42.1 (11.0)	2	_	За	_
246**	335	330	1800	Heavy Duty	63.1 (16.7)	43.6 (11.5)	2	3	За	_
246***	335	330	1800	Heavy Duty	66.0 (17.6)	44.4 (11.8)	2	3	За	_
298	406	400	2100	Medium Continuous	80.2 (21.2)	53.0 (14.0)	2	_	За	_
302**	410	404	2100	Medium Continuous	78.6 (20.8)	53.5 (14.1)	2	3	За	_
302***	410	404	2100	Medium Continuous	82.0 (21.7)	55.9 (14.8)	2	3	За	_
	kW 209 213** 213*** 243 246** 246*** 298 302**	kW MHP 209 285 213** 290 213*** 290 243 331 246** 335 246*** 335 298 406 302** 410	kW MHP BHP Speed 285 281 213*** 290 286 213*** 290 286 243 331 326 246*** 335 330 246*** 335 330 298 406 400 302** 410 404	kW MHP BHP Speed RPM 209 285 281 1800 213*** 290 286 1800 213*** 290 286 1800 243 331 326 1800 246*** 335 330 1800 246*** 335 330 1800 298 406 400 2100 302*** 410 404 2100	kW MHP BHP Speed RPM Rating Definition 209 285 281 1800 Continuous 213*** 290 286 1800 Continuous 213*** 290 286 1800 Continuous 243 331 326 1800 Heavy Duty 246*** 335 330 1800 Heavy Duty 246*** 335 330 1800 Heavy Duty 298 406 400 2100 Medium Continuous 302** 410 404 2100 Medium Continuous	kW MHP BHP Speed RPM Rating Definition Rated Speed L/hr (gal/hr) Speed 209 285 281 1800 Continuous 54.3 (14.4) 213*** 290 286 1800 Continuous 53.4 (14.1) 213*** 290 286 1800 Continuous 55.0 (14.5) 243 331 326 1800 Heavy Duty 61.7 (16.0) 246*** 335 330 1800 Heavy Duty 63.1 (16.7) 246*** 335 330 1800 Heavy Duty 66.0 (17.6) 298 406 400 2100 Medium Continuous 80.2 (21.2) 302** 410 404 2100 Medium Continuous 78.6 (20.8)	kW MHP BHP Speed RPM Rating Definition Rated Speed L/hr (gal/hr) ISO* L/hr (gal/hr) 209 285 281 1800 Continuous 54.3 (14.4) 36.9 (9.8) 213*** 290 286 1800 Continuous 53.4 (14.1) 37.3 (9.9) 213*** 290 286 1800 Continuous 55.0 (14.5) 38.0 (10.0) 243 331 326 1800 Heavy Duty 61.7 (16.0) 42.1 (11.0) 246*** 335 330 1800 Heavy Duty 63.1 (16.7) 43.6 (11.5) 246*** 335 330 1800 Heavy Duty 66.0 (17.6) 44.4 (11.8) 298 406 400 2100 Medium Continuous 80.2 (21.2) 53.0 (14.0) 302*** 410 404 2100 Medium Continuous 78.6 (20.8) 53.5 (14.1)	kW MHP BHP Speed RPM Definition Rating Definition Rated Speed L/hr (gal/hr) ISO* L/hr (gal/hr) IMO Speed 209 285 281 1800 Continuous 54.3 (14.4) 36.9 (9.8) 2 213*** 290 286 1800 Continuous 53.4 (14.1) 37.3 (9.9) 2 213*** 290 286 1800 Continuous 55.0 (14.5) 38.0 (10.0) 2 243 331 326 1800 Heavy Duty 61.7 (16.0) 42.1 (11.0) 2 246*** 335 330 1800 Heavy Duty 63.1 (16.7) 43.6 (11.5) 2 246*** 335 330 1800 Heavy Duty 66.0 (17.6) 44.4 (11.8) 2 298 406 400 2100 Medium Continuous 80.2 (21.2) 53.0 (14.0) 2 302** 410 404 2100 Medium Continuous 78.6 (20.8) 53.5 (14.1) 2	kW MHP BHP Speed RPM Rating Definition Rated Speed L/hr (gal/hr) ISO* L/hr (gal/hr) IMO EPA Epeed 209 285 281 1800 Continuous 54.3 (14.4) 36.9 (9.8) 2 — 213*** 290 286 1800 Continuous 53.4 (14.1) 37.3 (9.9) 2 3 213**** 290 286 1800 Continuous 55.0 (14.5) 38.0 (10.0) 2 3 243 331 326 1800 Heavy Duty 61.7 (16.0) 42.1 (11.0) 2 — 246*** 335 330 1800 Heavy Duty 63.1 (16.7) 43.6 (11.5) 2 3 246*** 335 330 1800 Heavy Duty 66.0 (17.6) 44.4 (11.8) 2 3 298 406 400 2100 Medium Continuous 80.2 (21.2) 53.0 (14.0) 2 — 302*** 410 404 2100 Medium Continuo	kW MHP BHP Speed RPM Definition Rating Definition Rated Speed L/hr (gal/hr) ISO* L/hr (gal/hr) IMO EPA EU Speed L/hr (gal/hr) 180° Continuous 54.3 (14.4) 36.9 (9.8) 2 — 3a 209 285 281 1800 Continuous 53.4 (14.4) 37.3 (9.9) 2 3 3a 213*** 290 286 1800 Continuous 55.0 (14.5) 38.0 (10.0) 2 3 3a 243 331 326 1800 Heavy Duty 61.7 (16.0) 42.1 (11.0) 2 — 3a 246*** 335 330 1800 Heavy Duty 63.1 (16.7) 43.6 (11.5) 2 3 3a 246*** 335 330 1800 Heavy Duty 66.0 (17.6) 44.4 (11.8) 2 3 3a 298 406 400 2100 Medium Continuous 80.2 (21.2) 53.0 (14.0) 2 — 3a </td

^{*} Average fuel consumption based on ISO 8178 E3 Standard Test Cycle (variable speed models) and ISO 8178 D2 Standard Test Cycle (fixed speed models)

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^{**} Heat exchanged (HX) configuration

^{***} Keel cooled (KC) configuration

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Marine Propulsion Engines for Commercial Applications

Features and Benefits

Engine Design – Robust engine designed for long life. Metric O-ring seals and edge molded gaskets eliminate fluid leaks. Aluminum pistons for exceptional durability

Fuel System – High Pressure Common Rail electronically-controlled fuel system provides constant high injection pressure regardless of engine speed or load condition. Benefits include low noise and vibration for quiet operation and faster load acceptance

Lubrication System – Standard capacity (18 L) marine grade oil pan, plus a selection of engine mounted and remote lube filters for installation flexibility and ease of maintenance

Cooling System – Single loop, low temperature aftercooling eliminates the need for two keel coolers and lowers emissions. Tube and shell heat exchanger designed for superior durability and ease of service with minimal maintenance requirements. Fan drive available for radiator cooled configurations

Air Intake System – Rear engine-mounted water cooled turbocharger from Cummins Turbo Technologies optimized for marine applications

Exhaust System – Cast water cooled exhaust manifold for lower surface temperatures, safety and improved performance

Electronics – 12v and 24v Quantum System electronics feature a proven ECM to monitor operating parameters such as fuel consumption, duty cycle, engine load and speed, while providing diagnostics, prognostics and complete engine protection. Simplified electrical customer interface box for all vessel connections to reduce installation complexity

Certifications - Complies with U.S. EPA

Tier 3 emissions regulations without the use of aftertreatment. Designed to meet the International Association of Classification Societies (IACS) and SOLAS requirements. Consult your local Cummins professional for a complete listing of available class approvals

Optional Equipment

- Front power take-off adapter
- Air and electric starting motors
- Integrated C Command HD panels with a selection of display options available to monitor and maximize operation and performance
- SAE B accessory drive
- Fully integrated type approved alarm and safety system

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