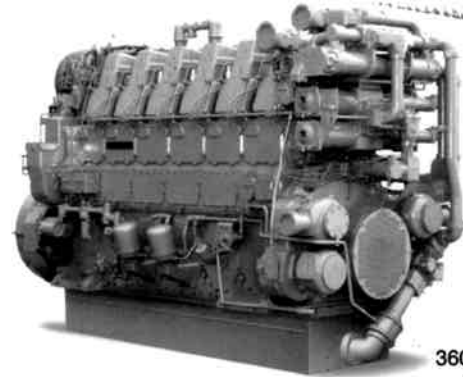


MORGUE
COPY

MARINE PROPULSION SPECIFICATIONS

Bore — mm (in)	280	(11.0)
Stroke — mm (in)	300	(11.8)
Displacement/Cylinder — L (in ³)	18.5	(1127)
Compression Ratio		13:1
Aspiration	Turbocharged- Aftercooled	
Rotation	ccw or cw	
Low Idle Speed — rpm	300-400	
Rated Speed — rpm	750-1000	
Average Piston Speed — m/s (ft/s)	7.5-10.0	(24.6-32.8)
bmp — bar (psi)		
Maximum Continuous	22.0-23.7	(319-343)
Continuous Service	20.0-21.5	(290-312)
bsfc (with pumps) — g/kW-h (lb/hp-h)		
Maximum Continuous	188-197	(0.309-0.323)
Continuous Service	187-196	(0.307-0.321)



3606 Shown

PERFORMANCE DATA*

3606 In-Line

Rated rpm	1000			900			800			750		
	kW	mhp	bhp	kW	mhp	bhp	kW	mhp	bhp	kW	mhp	bhp
Maximum Continuous	2030	2760	2720	1900	2580	2550	1720	2340	2310	1640	2230	2200
Continuous Service	1850	2520	2480	1730	2350	2320	1560	2120	2090	1490	2025	2000

3608 In-Line

Rated rpm	1000			900			800			750**		
	kW	mhp	bhp	kW	mhp	bhp	kW	mhp	bhp	kW	mhp	bhp
Maximum Continous	2710	3680	3630	2530	3440	3390	2290	3110	3070	2180	2960	2920
Continuous Service	2460	3340	3300	2300	3125	3080	2080	2830	2790	1980	2690	2660

3612 VEE

Rated rpm	1000			900			800			750		
	kW	mhp	bhp	kW	mhp	bhp	kW	mhp	bhp	kW	mhp	bhp
Maximum Continuous	4060	5520	5440	3800	5170	5100	3440	4675	4610	3280	4460	4400
Continuous Service	3700	5030	4960	3460	4700	4640	3120	4240	4180	2980	4050	4000

3616 VEE

Rated rpm	1000			900			800			750**		
	kW	mhp	bhp	kW	mhp	bhp	kW	mhp	bhp	kW	mhp	bhp
Maximum Continuous	5420	7370	7270	5060	6880	6790	4580	6225	6140	4360	5930	5850
Continuous Service	4920	6690	6600	4600	6250	6170	4160	5660	5580	3960	5380	5310

RATING CONDITIONS

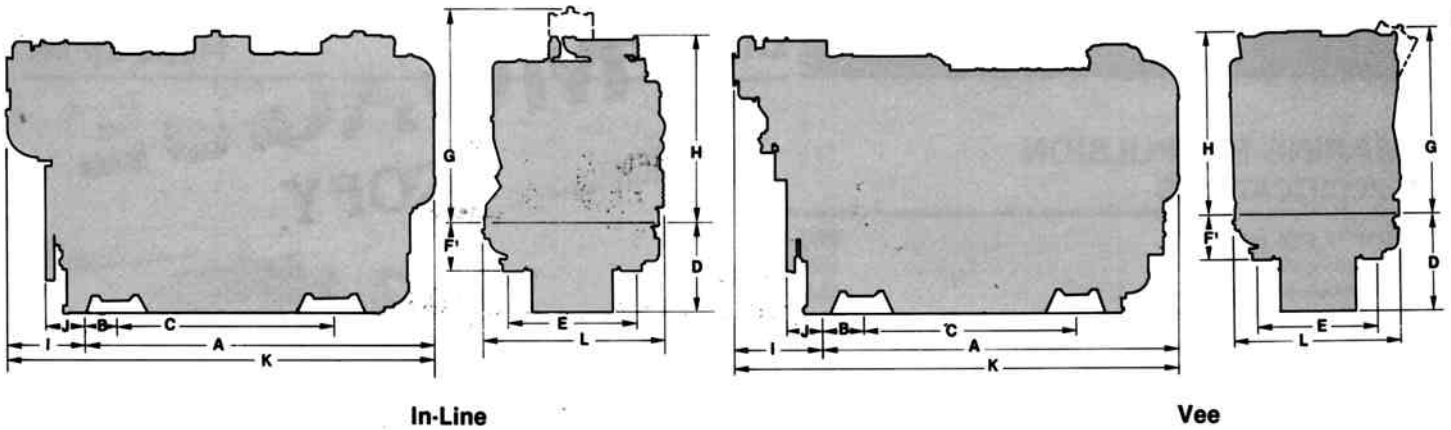
Ratings are based on SAE J1349 standard conditions of 100 kPa (29.61 in Hg) and 25°C (77°F). These ratings also apply at ISO 3046/1, DIN 6271 and BS 5514 standard reference conditions. Ratings are subject to ±3% power tolerance.

Ratings also meet classification society maximum temperature requirements of 45°C (113°F) ambient temperature and 32°C (90°) sea water temperature.

Fuel consumption is based on ISO 3046/1 with +5% tolerance for fuel having an LHV of 42 780 kJ/kg (18,390 Btu/lb) and weighing 838.9 g/liter (7.001 lbs/U.S. gal).

*Additional ratings available. Contact your Caterpillar dealer.

**Controllable pitch propeller applications only.



DIMENSIONS

	A	B	C	D	E	F1	F2	F3	G	H	I	J	K	L	W
3606 In-Line															
mm	3261	265	2050	841	1120	405	308	450	2035	1785	727	360	3988	1748	kg 15 680
in	128.39	10.43	80.71	33.11	44.09	15.95	12.13	17.72	80.12	70.28	28.62	14.17	157.01	68.82	lb 34,500

3608 In-Line

mm	4081	265	2870	841	1120	405	308	450	2035	1785	727	360	4808	1748	kg 19 000
in	160.67	10.43	112.99	33.11	44.09	15.95	12.13	17.72	80.12	70.28	28.62	14.17	189.29	68.82	lb 41,800

3612 VEE

mm	3657	300	2300	976	1120	405	308	450	1850	2255	905	360	4562	1714	kg 25 140
in	143.98	11.81	90.55	38.43	44.09	15.95	12.13	17.72	72.84	88.78	35.63	14.17	179.61	67.48	lb 55,300

3616 VEE

mm	4577	300	3220	976	1120	405	308	450	1850	2255	905	360	5482	1714	kg 29 950
in	180.2	11.81	126.77	38.43	44.09	15.95	12.13	17.72	72.84	88.78	35.63	14.17	215.83	67.48	lb 65,900

- C centerline distance between mounting feet
- F1, F2, F3 optional mounting dimensions
- G removal distance for piston
- J distance from flywheel mounting face to cylinder block rear face
- W approximate dry weight of engine with attachments such as filters, oil cooler, flywheel, pumps, etc.

MARINE CERTIFICATION

Ratings are marine classification society approved by ABS, BV, DnV, GL, LRS, NKK and RINA. These societies have also granted 3600 factory line production approval which eliminates requirement for society surveyor witness test.

FUEL CAPABILITY

The 3600 family of engines is developed for operation on fuel with viscosity and contaminants up to CIMAC Class K55 (700 cSt @ 50°C) at 800 rpm and below, and CIMAC Class G35 (380 cSt @ 50°C) above 800 rpm. The power ratings listed apply to distillate fuels, including most grades of marine diesel oil. Heavy fuel ratings are 9% less than distillate fuel and require factory approval.

Materials and specifications are subject to change without notice.

The International System of Units (SI) is used in this publication.