

USA



C-SERIES

6 CYLINDERS IN LINE – DIESEL CYCLE – COMMON RAIL

C90 380

@2000 rpm

C 301 kW (410 HP)

D 280 kW (380 HP)

C90 620

@2530 rpm

A1 456 kW (620 HP)

A2 405 kW (550 HP)

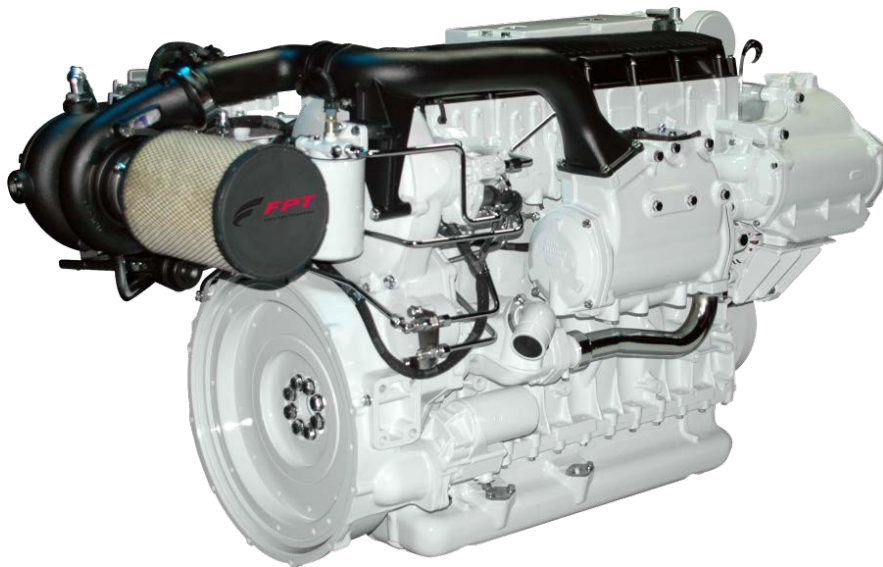
B 368 kW (500 HP)

C 331 kW (450 HP)

C90 650

@2530 rpm

A1 478 kW (650 HP)



Motor-Services Hugo Stamp, Inc.
P: (954) 763-3660 | F: (954) 713 -0435
propulsion@mshs.com | www.mshs.com



Technical Data



	C90 380	C90 620	C90 650
Total Displacement	8.7l (530.9 cuin)		
Dry Weight (without gear)	2,072 lbs (940 kg)		
Bore x Stroke	117 x 135 mm (4.61 x 5.31 in)		
Aspiration	TAA		
Direction of Rotation	CCW facing flywheel		
Configuration / Injection System	In-line 6 Cylinder, 4 Stroke Diesel, Electronic Common Rail		
Voltage	12V / 24V		
Flywheel Housing	SAE#1		
Flywheel Size	14 in		
Starting motor	24 V – 5.5 kW		
Alternator	28 V – 90 A		
Painting	White “Ice”		

Engine Benefits

PERFORMANCE: Engine derived from the experience in sport competitions at high levels; leader in its category for specific power, weights and volumes; maximum optimization of consumption and emissions in every mission thanks to ECR (Electronic Common Rail) system with electronic management.

SERVICEABILITY: Electronic control, protection and diagnostics for the engine systems; world wide dealer and service network.

RELIABILITY: Compact and functional design; long engine life.

COST EFFECTIVENESS: Consumption optimization; high level of serviceability.

ENVIRONMENTALLY FRIENDLY: Reduced environmental impact in terms of noise, gaseous emissions and vibrations.

CUSTOMER ORIENTATION: Availability of certifications in compliance with international regulations; wide range of accessories.

True innovation comes from within

FPT (Fiat Powertrain Technologies) believes in the constant innovation and improvement of its products. It believes in pursuing excellence, in the constant training of its personnel and in team building. It believes that even the most extreme technology can surpass itself. Respecting these values can only be guaranteed with a daily strive for excellence.

FPT (Fiat Powertrain Technologies) wants to be a point of reference in the powertrain world, designing and developing products that stand out for their performance, quality and reliability, cost effectiveness, safety and low environmental impact. It is only with a great knowledge and experience that you can reach and surpass these objectives.

USA



FPT Marine Engines

for Commercial and Pleasure Craft Applications



FPT - Fiat Powertrain Technologies - is a part the Fiat Group and includes all the activities related to powertrains and transmissions to Fiat Automobiles (Fiat Powertrain), Iveco (Iveco Motors), Centro Ricerche Fiat and Elasis, CASE, New Holland.

FPT focuses on the development of clean, efficient engines, with emphasis on emissions and fuel consumption. With an annual output of about 3.1 million engines, FPT is one of the largest diesel engine manufacturers worldwide. Due to the high output of units FPT is able to offer high quality engines at competitive prices!

Ratings

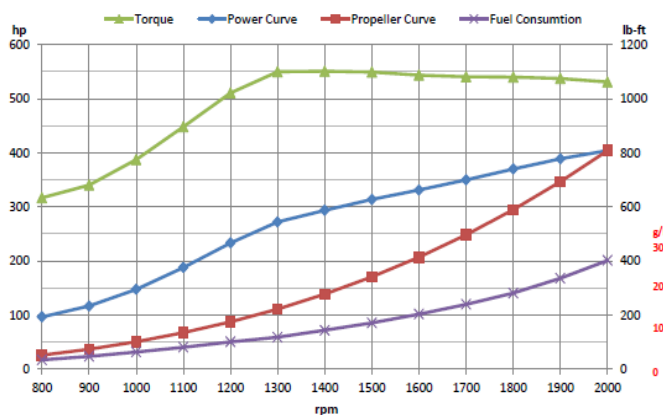
A1	A2	B	C	D
High Performance Crafts 500-1000 hours/year 10% at wide open throttle	Pleasure/ Light Duty Commercial 1000-2000 hours/ year 10% at wide open throttle	Light/ Medium Duty Commercial 1500-3000 hours / year 15% at wide open throttle load factor of up to 50%	Light/ Medium Duty Commercial 3000-5000 hours / year 25% at wide open throttle load factor from 15 up to 75%	Heavy Duty Commercial unlimited hours / year 100 % at wide open throttle load factor 100%

All ratings: Cruise speed max. 90% of rated rpm

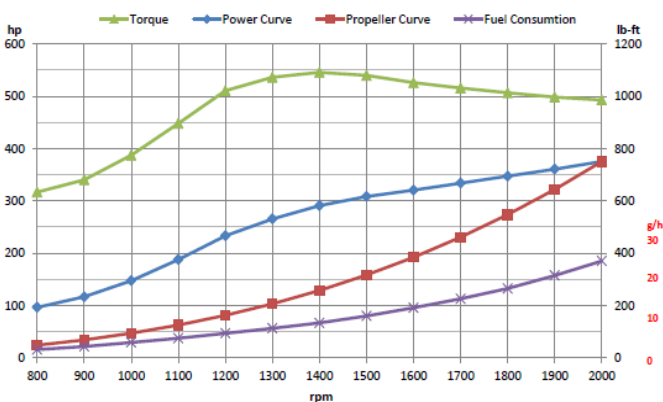
Power, Fuel and Torque Data*

C90 380

C90 380 - C (404 hp @ 2000rpm)						
rpm	POWER CURVE		PROPELLER CURVE		Fuel CURVE	
	kW	hp	kW	hp	be	g/h
2000	302	404	302	404	212	20.1
1900	290	389	258	347	207	16.8
1800	276	370	220	295	203	14.1
1700	261	350	185	248	206	12.0
1600	247	331	154	207	210	10.2
1500	234	314	127	171	214	8.5
1400	219	294	103	139	221	7.2
1300	203	272	83	111	226	5.9
1200	174	233	65	87	246	5.0
1100	140	188	50	67	256	4.0
1000	110	148	38	51	268	3.2
900	87	117	27	37	271	2.3
800	72	97	19	26	279	1.7

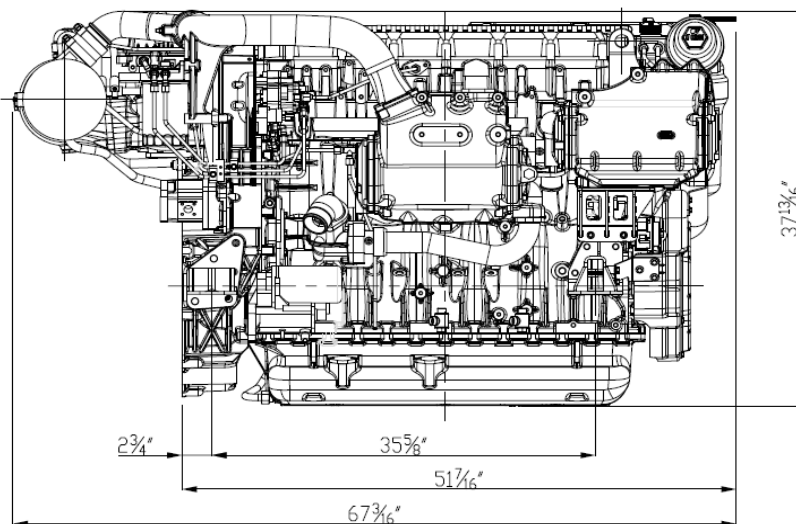
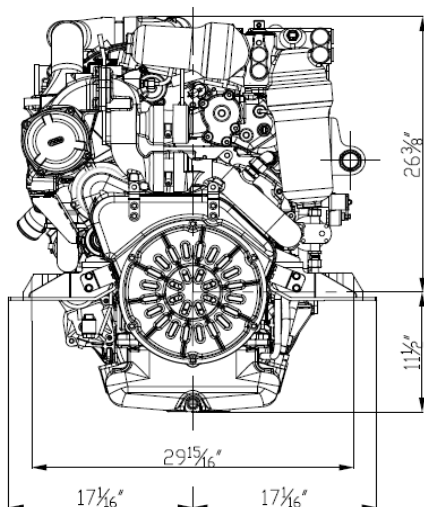


C90 380 - D (375 hp @ 2000rpm)						
rpm	POWER CURVE		PROPELLER CURVE		Fuel CURVE	
	kW	hp	kW	hp	be	g/h
2000	280	375	280	375	210	18.5
1900	269	361	240	322	209	15.8
1800	259	347	204	274	206	13.2
1700	249	334	172	231	209	11.3
1600	239	321	143	192	212	9.6
1500	230	308	118	158	216	8.0
1400	217	291	96	129	221	6.7
1300	198	266	77	103	234	5.7
1200	174	233	60	81	246	4.7
1100	140	188	47	62	256	3.8
1000	110	148	35	47	268	2.9
900	87	117	26	34	271	2.2
800	72	97	18	24	279	1.6



Dimensions

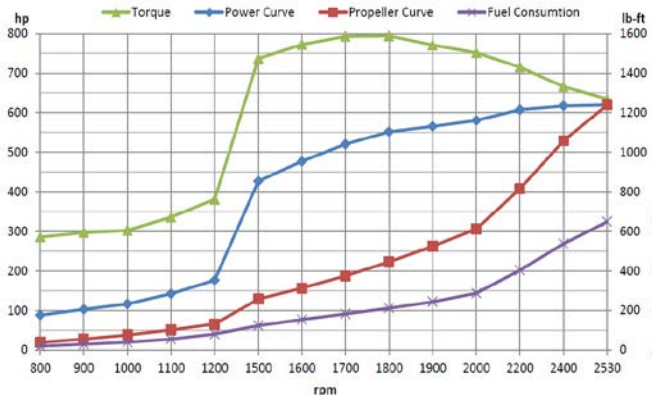
C90 380



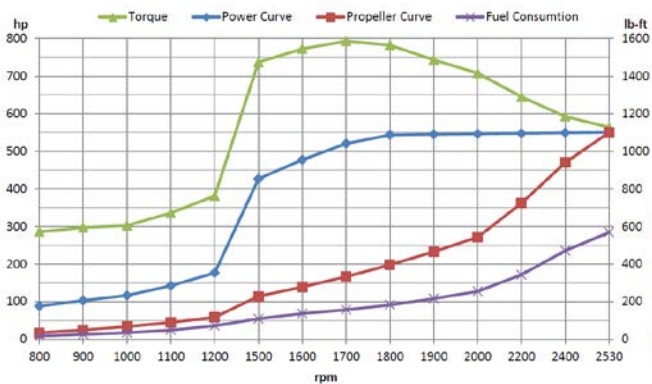
Power, Fuel and Torque Data*

C90 620

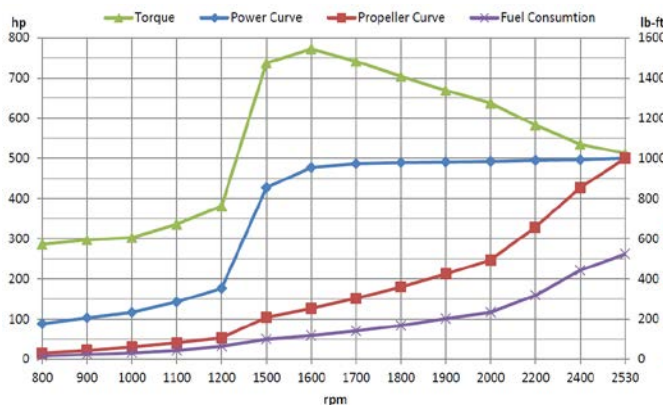
C90 620 - A1 (620 hp @ 2530rpm)							
rpm	POWER CURVE		PROPELLER CURVE		Fuel CURVE		Torque
	kW	hp	kW	hp	be	g/h	lb-ft
2530	456	620	456	620	227	32.5	1269
2400	454	617	389	529	220	26.9	1332
2200	447	608	300	408	214	20.2	1431
2000	427	581	225	306	203	14.4	1504
1900	416	566	193	263	201	12.2	1542
1800	406	552	164	223	206	10.6	1589
1700	383	521	138	188	210	9.1	1587
1600	351	477	115	157	213	7.7	1545
1500	314	427	95	129	207	6.2	1474
1200	130	177	49	66	266	4.1	763
1100	105	143	37	51	236	2.8	672
1000	86	117	28	38	226	2.0	606
900	76	103	21	28	232	1.5	595
800	65	88	14	20	226	1.0	572



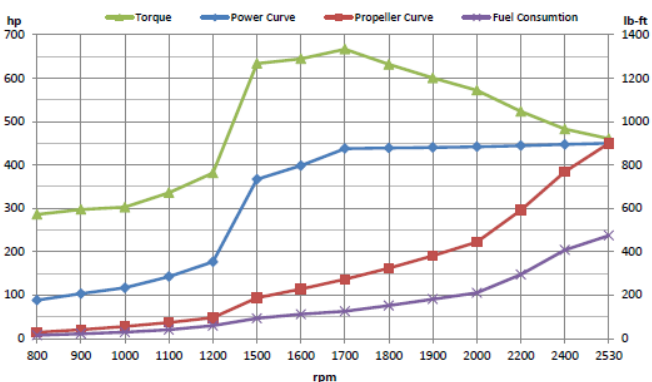
C90 620 - A2 (550hp @ 2530rpm)							
rpm	POWER CURVE		PROPELLER CURVE		Fuel CURVE		Torque
	kW	hp	kW	hp	be	g/h	lb-ft
2530	405	551	405	551	224	28.5	1127
2400	404	549	346	470	217	23.6	1186
2200	403	548	266	362	205	17.2	1290
2000	402	547	200	272	203	12.8	1416
1900	401	545	172	233	201	10.9	1486
1800	400	544	146	198	200	9.2	1565
1700	383	521	123	167	204	7.9	1587
1600	351	477	102	139	213	6.9	1545
1500	314	427	84	115	207	5.5	1474
1200	130	177	43	59	266	3.6	763
1100	105	143	33	45	236	2.5	672
1000	86	117	25	34	226	1.8	606
900	76	103	18	25	232	1.3	595
800	65	88	13	17	226	0.9	572



C90 620 - B (500 hp @ 2530rpm)							
rpm	POWER CURVE		PROPELLER CURVE		Fuel CURVE		Torque
	kW	Bhp	kW	Bhp	be	g/h	lb-ft
2530	368	500	368	500	226	26.2	1024
2400	365	496	314	427	224	22.1	1071
2200	364	495	242	329	209	15.9	1165
2000	362	492	182	247	205	11.7	1275
1900	361	491	156	212	207	10.1	1338
1800	360	489	133	180	202	8.4	1409
1700	358	487	112	152	201	7.0	1483
1600	351	477	93	127	202	5.9	1545
1500	314	427	77	104	207	5.0	1474
1200	130	177	39	53	266	3.3	763
1100	105	143	30	41	236	2.2	672
1000	86	117	23	31	226	1.6	606
900	76	103	17	23	232	1.2	595
800	65	88	12	16	226	0.8	572



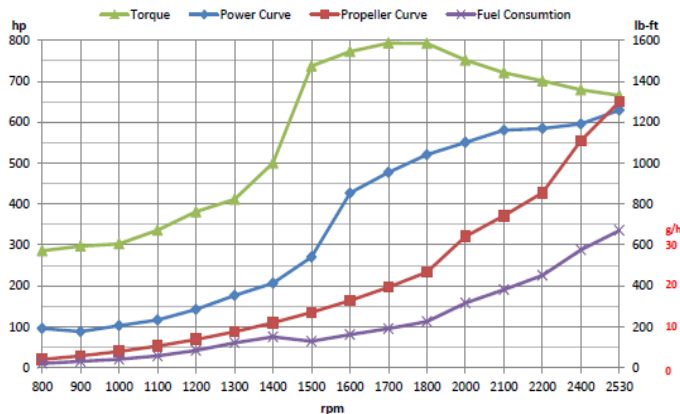
C90 620 - C (450 hp @ 2530rpm)							
rpm	POWER CURVE		PROPELLER CURVE		Fuel CURVE		Torque
	kW	hp	kW	hp	be	g/h	lb-ft
2530	331	450	331	450	228	23.8	921
2400	329	447	283	384	230	20.4	965
2200	327	445	218	296	216	14.7	1047
2000	325	442	164	222	205	10.5	1144
1900	324	441	140	191	206	9.1	1201
1800	323	439	119	162	203	7.6	1264
1700	322	438	100	137	199	6.3	1334
1600	293	398	84	114	212	5.6	1290
1500	270	367	69	94	215	4.7	1268
1200	130	177	35	48	266	3.0	763
1100	105	143	27	37	236	2.0	672
1000	86	117	20	28	226	1.5	606
900	76	103	15	20	232	1.1	595
800	65	88	10	14	226	0.7	572



Power, Fuel and Torque data

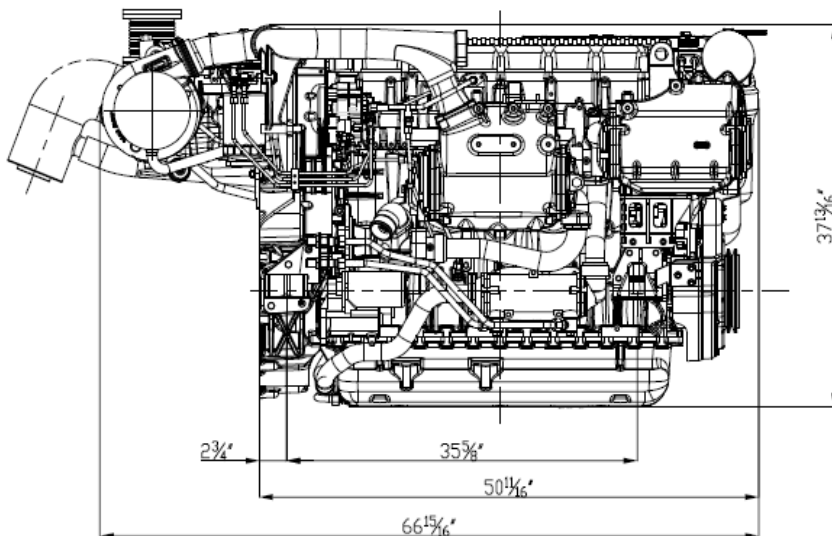
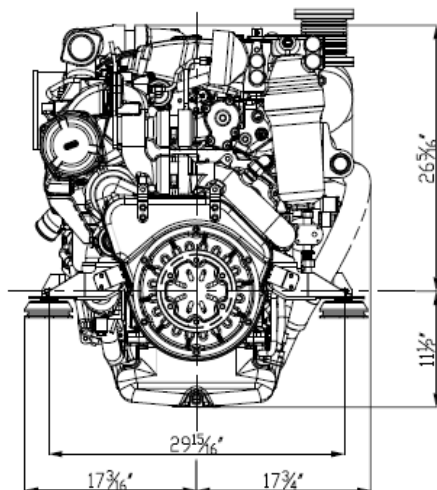
C90 650

C90 650 - A1 (650 hp @ 2530rpm)							
rpm	POWER CURVE		PROPELLER CURVE		Fuel CURVE		Torque
	kW	hp	kW	hp	be	g/h	lb-ft
2530	478	630	478	650	223	33.6	1331
2400	463	596	408	555	225	28.8	1359
2200	438	585	314	427	229	22.6	1402
2100	430	581	273	372	222	19.1	1442
2000	427	551	236	321	213	15.8	1504
1800	405	521	172	234	209	11.3	1585
1700	383	477	145	197	210	9.6	1587
1600	351	427	121	164	213	8.1	1545
1500	314	271	100	135	207	6.5	1474
1400	199	207	81	110	298	7.6	1001
1300	152	177	65	88	300	6.1	823
1200	130	143	51	69	266	4.3	763
1100	105	117	39	53	236	2.9	672
1000	86	103	30	40	226	2.1	606
900	76	88	22	29	232	1.6	595
800	65	96	15	21	226	1.1	572



Dimensions

C90 620 | C90 650



USA



SALES



SERVICE



PARTS



Motor-Services Hugo Stamp, Inc.

3190 SW 9th Avenue
Fort Lauderdale, FL 33315

P: (954) 763-3660 | F: (954) 713 -0435

Toll Free: (877) 388-3987

propulsion@mshs.com | www.mshs.com