

CHECK CHART

COMMON SPECIFICATIONS FOR ALL SINGLE CYLINDER OHV ENGINE MODELS EXCEPT INTEK MODELS

	BASIC MODEL SERIES	OIL CAPACITY Fl. Ozs. (Liters)	ARMATURE AIR GAP INCHES (mm)	TORQUE SPECIFICATIONS			VALVE CLEARANCE		
				FLYWHEEL NUT FT. LBS. (Nm)	CYLINDER HEAD IN. LBS. (Nm)	CONN. ROD IN. LBS. (Nm)	CRANKCASE COVER OR SUMP IN. LBS. (Nm)	INTAKE INCHES (mm)	EXHAUST INCHES (mm)
A L U M I N U M	85400	20 (0.6L)	.012 - .020 (0.31 - 0.51)	45 (61 Nm)	220 (25 Nm)	90 (10 Nm)	175 (20 Nm)	.002 - .004 (0.05 - 0.10)	.002 - .004 (0.05 - 0.10)
	97700 99700	22 (0.65L)	.006 - .012 (0.15 - 0.31)	60 (81 Nm)	160 (18 Nm)	100 (11 Nm)	85 (10 Nm)	.005 - .007 (0.13 - 0.18)	.005 - .007 (0.13 - 0.18)
	104700	24 (0.7L)	.008 - .012 (0.20 - 0.31)	65 (88 Nm)	165 (19 Nm)	90 (10 Nm)	140 (16 Nm)	.005 - .007 (0.13 - 0.18)	.005 - .007 (0.13 - 0.18)
	115400 117400	24 (0.7L)	.012 - .020 (0.31 - 0.51)	45 (61 Nm)	220 (25 Nm)	90 (10 Nm)	175 (20 Nm)	.002 - .004 (0.05 - 0.10)	.002 - .004 (0.05 - 0.10)
	138400	30 (0.9L)	.012 - .020 (0.31 - 0.51)	45 (61 Nm)	230 (26 Nm)	90 (10 Nm)	190 (22 Nm)	.005 - .008 (0.13 - 0.20)	.005 - .008 (0.13 - 0.20)
	161400	40 (1.2L)	.008 - .012 (0.20 - 0.31)	65 (88 Nm)	165 (19 Nm)	200 (23 Nm)	250 (28 Nm)	.005 - .007 (0.13 - 0.18)	.005 - .007 (0.13 - 0.18)
	185400	41 (1.2L)	.012 - .020 (0.31 - 0.51)	60 (81 Nm)	300 (34 Nm)	175 (20 Nm)	175 (20 Nm)	.002 - .004 (0.05 - 0.10)	.002 - .004 (0.05 - 0.10)
	235400 245400	51 (1.5L)	.008 - .012 (0.20 - 0.31)	60 (81 Nm)	35 Ft. Lbs. (48 Nm)	175 (20 Nm)	175 (20 Nm)	.004 - .006 (0.10 - 0.15)	.004 - .006 (0.10 - 0.15)
	260700 261700	*64 **72 (*1.9 **2.1)	.008 - .012 (0.20 - 0.31)	125 (170 Nm)	225 (25 Nm)	200 (23 Nm)	250 (28 Nm)	.003 - .005 (0.08 - 0.13)	.003 - .005 (0.08 - 0.13)
	28N700 28P700 28Q700 28S700 28U700 28W700 287700	48 (1.4L)	.010 - .014 (0.25 - 0.36)	65 (88 Nm)	220 (25 Nm)	See Sec. 9, Page 10, Table No. 5 272147-3/99	See Sec. 11, Page 27, Table No. 9 272147-3/99	.003 - .005 (0.08 - 0.13)	.005 - .007 (0.13 - 0.18)
	310700 312700	56 (1.4L)	.010 - .014 (0.25 - 0.36)	100 (88 Nm)	220 (25 Nm)	150 (17 Nm)	210 (16 Nm)	.003 - .005 (0.08 - 0.13)	.005 - .007 (0.13 - 0.18)

* Without Oil Filter

** With Oil Filter

	BASIC MODEL SERIES	STD. CYLINDER BORE INCHES (mm)	CRANKSHAFT						
			STROKE INCHES (mm)	STD. CRANKPIN JOURNAL INCHES (mm)	JOURNAL REJECT SIZES			END PLAY	
					MAGNETO INCHES (mm)	CRANKPIN INCHES (mm)	PTO INCHES (mm)	All except Threaded *	Threaded only *
				INCHES (mm)	INCHES (mm)	INCHES (mm)	INCHES (mm)	INCHES (mm)	
A L U M I N U M	85400	2.441 - 2.442 (62.00 - 62.03)	1.653 (38.86 mm)	1.0232 - 1.0236 (25.989 - 25.999)	Ball	1.0219 (25.98 mm)	Ball	.001 - .008 (0.03 - 0.20)	.001 - .008 (0.03 - 0.20)
	97700 99700	2.5615 - 2.5625 (65.06 - 65.09)	1.740 (44.20 mm)	1.1233 - 1.1241 (28.532 - 28.552)	0.873 (22.17 mm)	1.122 (28.50 mm)	1.060 (26.92 mm)	.002 - .034 (0.05 - 0.86)	-
	104700	2.5615 - 2.5625 (65.06 - 65.09)	1.940 (49.28 mm)	1.2294 - 1.2300 (31.227 - 31.242)	1.179 (29.98 mm)	1.228 (31.19 mm)	1.179 (29.95 mm)	.002 - .020 (0.05 - 0.51)	-
	115400 117400	2.677 - 2.678 (68.00 - 68.02)	1.968 (49.99 mm)	1.1805 - 1.1809 (29.985 - 29.995)	Ball	1.1793 (29.98 mm)	Ball	.001 - .008 (0.03 - 0.20)	.001 - .008 (0.03 - 0.20)
	138400	2.8346 - 2.8354 (72.00 - 72.02)	2.0866 (52.00 mm)	1.1805 - 1.1807 (29.98 - 29.99)	Ball	1.1803 (29.98 mm)	Ball	.002 - .025 (0.05 - 0.64)	.002 - .025 (0.05 - 0.64)
	161400	2.999 - 3.000 (76.17 - 76.20)	2.330 (59.18 mm)	1.4293 - 1.4301 (36.304 - 36.325)	Ball	1.427 (36.24 mm)	Ball	.001 - .008 (0.03 - 0.20)	.001 - .008 (0.03 - 0.20)
	185400	3.1496 - 3.1504 (80.00 - 80.02)	2.325 (59.06 mm)	1.3383 - 1.3384 (33.985 - 33.995)	Ball	1.3368 (33.99 mm)	Ball	.001 - .008 (0.03 - 0.20)	.001 - .008 (0.03 - 0.20)
	235400 245400	3.5039 - 3.5047 (89.00 - 89.02)	2.480 (63.00 mm)	1.5348 - 1.5352 (38.984 - 38.994)	Ball	1.5346 (38.98 mm)	Ball	.001 - .008 (0.03 - 0.20)	.001 - .008 (0.03 - 0.20)
	260700 261700	3.4365 - 3.4375 (87.287 - 87.313)	2.860 (72.64 mm)	1.6235 - 1.6243 (41.237 - 41.257)	1.622 (41.20 mm)	1.622 (41.20 mm)	1.622 (41.20 mm)	.002 - .020 (0.05 - 0.51)	-
	28N700 28P700 28Q700 28S700 28U700 28W700 287700	3.4365 - 3.4375 (87.29 - 87.31)	3.062 (77.78 mm)	1.2485 - 1.2493 (31.712 - 31.732)	1.376 (34.95 mm)	1.247 (34.95 mm)	1.376 (34.95 mm)	.002 - .023 (0.05 - 0.58)	-
	310700 312700	3.4365 - 3.4375 (87.29 - 87.31)	3.062 (77.78 mm)	1.4982 - 1.4990 (38.054 - 38.075)	1.376 (34.95 mm)	1.497 (38.02 mm)	1.376 (34.95 mm)	.002 - .023 (0.05 - 0.58)	-

* Any crankshaft used in a pump application, use threaded crankshaft end play specifications