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WARNING

Briggs & Stratton does not approve or authorize the use of these engines on 3-wheel All Terrain Vehicles (ATVs), motor bikes, fun/recreational go-karts, aircraft products or vehicles intended for use in competitive events. Use of these engines in such applications could result in property damage, serious injury (including paralysis), or even death.

ENGINE MODEL REPLACEMENT LIST

Type numbers not listed may, in most cases, be converted from one of the engines shown, or replaced by it without changes. For more complete information, see Microfiche card set or Service Engine Sales and Replacement Engine Manual.

All shipping weights are approximate.

Model/Type	HP	Position	I/C@Equiv.	Shipping Weight	Page	Model/Type	HP	Position	I/C@Equiv.	Shipping Weight	Page
21032						118432					
0010	.75	(H)	FOURCE	11		0035	6.0	(H)	Vanguard	44	14
0015	.75	(H)	FOURCE	11		0036	6.0	(H)	Vanguard	48	14
0111	.75	(H)	FOURCE	11		0060	6.0	(H)	Vanguard	48	14
21132						0061	6.0	(H)	Vanguard	48	14
0015	1.0	(H)	FOURCE			121312					
50032						0014	6.5	(H)	INTEK I/C	39	15
0005	2.4	(H)	Vanguard	28	9	0023	6.5	(H)	INTEK I/C	39	15
0006	2.4	(H)	Vanguard	28	9	0026	6.5	(H)	INTEK I/C	39	15
86432						0028	6.5	(H)	INTEK I/C	39	15
0135	4.0	(H)	Vanguard	35	12	0060	6.5	(H)	INTEK I/C	35	15
0136	4.0	(H)	Vanguard	35	12	0144	6.5	(H)	INTEK I/C	39	
0138	4.0	(H)	Vanguard	35	12	0145	6.5	(H)	INTEK I/C	46	
91202						0322	6.5	(H)	INTEK I/C	40	
*1019	3.5	(H)		27	74	121332					
93302						0033	6.5	(H)	INTEK I/C	40	15
0016	3.5	(H)		29	10	0035	6.5	(H)	INTEK I/C	38	15
0017	3.5	(H)		29	10	0036	6.5	(H)	INTEK I/C	39	15
93312						121337					
0002	3.5	(H)		30	10	0050	6.5	(H)	INTEK I/C	40	15
0022	3.5	(H)		30	10	121352					
93332						0049	6.5	(H)	INTEK I/C	42	15
0030	3.5	(H)		29	10	121392					
0035	3.5	(H)	94032-0035	29	10	0070	6.5	(H)	INTEK	37	15
0036	3.5	(H)	94032-0036	30	10	0071	6.5	(H)	INTEK	38	15
0040	3.5	(H)	94032-0040	30	10	121602					
93352						*0021	6.0	(V)	INTEK EDGE	31	79
0049	3.5	(H)	94052-0049	35	10	*0022	6.0	(V)	INTEK EDGE	32	79
93412						0505	6.5	(V)	INTEK EDGE	35	53
*1015	3.5	(H)		33	74	0515	6.5	(V)	INTEK EDGE	33	53
*1039	3.5	(H)		34	74	0521	6.5	(V)	INTEK EDGE	30	53
*1060	3.5	(H)		33	74	0522	6.5	(V)	INTEK EDGE	29	53
93432						0525	6.5	(V)	INTEK EDGE	33	53
*1035	3.5	(H)		34	74	0526	6.5	(V)	INTEK EDGE	34	53
*1036	3.5	(H)		34	74	0527	6.5	(V)	INTEK EDGE	34	53
*1037	3.5	(H)		35	74	121607					
*1038	3.5	(H)		32	74	*0061	6.0	(V)	INTEK EDGE	33	
93452						0292	6.5	(V)	INTEK EDGE	36	
*1049	3.5	(H)		38	74	0562	6.5	(V)	INTEK EDGE	37	53
94032						0660	6.5	(V)	INTEK EDGE	32	53
0035	3.5	(H)	I/C	30	11	121609					
0036	3.5	(H)	I/C	29	11	0347		(V)		33	
0038	3.5	(H)	I/C	25	11	121612					
0040	3.5	(H)	I/C	29	11	0545	6.5	(V)	INTEK EDGE	36	53
94052						121682					
0049	3.5	(H)	I/C	34	11	0550	6.5	(V)	INTEK EDGE	34	79
98902						0551	6.5	(V)	INTEK EDGE	34	79
*1615	3.75	(H)		20	77	122672					
*1616	3.75	(H)		20	77	0020	6.5	(V)	INTEK PRO	36	53
*1618	3.75	(H)		20	77	122K02					
98982						0015/0515	5.0	(V)		29	50
*1650	3.75	(H)		24	77	0516	5.0	(V)		28	50
*1651	3.75	(H)		24	77	0518	5.0	(V)		29	50
9M902						0525	5.0	(V)		29	50
0005	4.0	(V)		22	48	122K07					
0015	4.0	(V)		20	48	0560	5.0	(V)		32	50
0016	4.0	(V)		20	48	122K12					
0018	4.0	(V)		20	48	0006	5.0	(V)			50
10A902						122K82					
*1616	4.0	(H)		25	77	*0050	5.0	(V)		29	78
*1618	4.0	(H)		24	77	*0051	5.0	(V)		28	78
10A982						123332					
*1650	4.0	(H)		25	77	0035	6.5	(H)	INTEK PRO	42	16
*1651	4.0	(H)		26	77	0036	6.5	(H)	INTEK PRO	42	16
10E902						123337					
*0015	4.0	(H)		25		0050	6.5	(H)	INTEK PRO	44	16
*0018	4.0	(H)		25		123352					
10G902						0049	6.5	(H)	INTEK PRO	47	16
*0016	4.5	(H)		25	78	123602					
*0018	4.5	(H)		24	78	*0131	6.0	(V)	INTEK	36	
10M902						*0143	6.0	(V)	INTEK	28	
0015	4.75	(V)		25	49	*0151	6.5	(V)	INTEK	37	
0016	4.75	(V)		25	49	*0156	6.0	(V)	INTEK	37	
0018	4.75	(V)		24	49	123607					
10M912						*0133	6.0	(V)	INTEK	39	
0005	4.75	(V)		29	49	*0145	6.0	(V)	INTEK	40	
110417						*0157	6.0	(V)	INTEK	40	
0146	6.0	(H)	INTEK	44		123672					
110602						*0135	6.0	(V)	INTEK	37	
*0015	5.5	(V)	INTEK			*0136	6.0	(V)	INTEK	37	
117432						*0147	6.0	(V)	INTEK	37	
*0281	6.0	(H)	Vanguard			123K02					
						0005	6.5	(V)		36	54
						0015/0515	6.5	(V)		29	54
						0018/0518	6.5	(V)		29	54
						0025/0525	6.5	(V)		29	54
						0615	6.5	(V)			
						0625	6.5	(V)			

*Availability subject to remaining stock at Distributors and Factory.

Contact your Briggs & Stratton Central Sales & Service Distributor for pricing.

Model/Type	HP	Position	I/C®Equiv.	Shipping Weight	Page	Model/Type	HP	Position	I/C®Equiv.	Shipping Weight	Page
123K07						12F802					
0060/0560	6.5	(V)		32	54	*2916	5.0	(V)	12J802-2916	29	78
0062/0562	6.5	(V)		32	54	*2926	5.0	(V)	12J802-2918	29	78
123K09						12F807					
0194	6.5	(V)		33		*2960	5.0	(V)	129807-2960	32	78
124332						12F882					
0033		(H)				*2951	5.0	(V)	127882-2951	30	78
124672						12H802					
0030	6.5	(V)				1767	6.0	(V)			
124802						12H809					
*0210	5.0	(V)		28		*1754	6.0	(V)			
125H02						12J707					
*0005	6.0	(V)		32		1750	6.0	(V)	I/C	28	
*0015	6.0	(V)				12J802					
125K02						1753	6.0	(V)	I/C	25	
0005		(V)				2369	6.0	(V)	I/C	24	
0515		(V)				2905	6.0	(V)	I/C	29	52
0525		(V)				2915	6.0	(V)	I/C	29	52
125K07						2916	6.0	(V)	I/C	28	52
0560		(V)				2918	6.0	(V)	I/C	28	52
0562		(V)				2925	6.0	(V)	I/C	29	52
125K09						2926	6.0	(V)	I/C	28	52
0266	6.75	(V)				12J807					
126312						2960	6.0	(V)	I/C	32	52
0023	5.5	(H)	121312-0023	40	13	12J882					
0060	5.5	(H)	121312-0060	39	13	*2950	6.0	(V)	I/C	30	79
126332						*2951	6.0	(V)	I/C	30	79
0035	5.5	(H)	121332-0035	39	13	*2952	6.0	(V)	I/C	31	
0036	5.5	(H)	121332-0036	40	13	12J887					
126352						*2981	6.0	(H)	I/C	33	79
0049	5.5	(H)	121352-0049	44	13	*2982	6.0	(H)	I/C	33	79
126392						133232					
0070	5.5	(H)	121392-0070	40	13	*1038	5.0	(H)	I/C	38	74
126417						133237					
*0146	6.0	(H)	INTEK	44		*1050	5.0	(H)	I/C	46	74
127432						133412					
*0036	5.5	(V)	INTEK I/C	40		*1040	5.0	(H)	Industrial Plus	37	74
128802						134402					
1715	5.5	(V)		28		*1113	5.0	(H)		43	
*2311	5.5	(V)		28		135232					
128807						*1038	5.0	(H)	133232-1038	36	75
0658	5.5	(V)		31		138432					
2312	5.5	(V)		32		0035	7.5	(H)	Vanguard	53	18
128812						0047	7.5	(H)	Vanguard	52	18
4305	5.5	(V)		31		138437					
129612						0284	7.5	(H)	Vanguard	63	18
0111	7.0	(V)		76		185432					
0112	7.0	(V)		76		0235	9.0	(H)	Vanguard	63	25
129802						0246	9.0	(H)	Vanguard	62	25
2915	5.5	(V)	I/C	28	51	0247	9.0	(H)	Vanguard	63	25
2925	5.5	(V)	I/C	28	51	0270	9.0	(H)	Vanguard	68	25
129807						185437					
2960	5.5	(V)	I/C	33	51	0284	9.0	(H)	Vanguard	71	25
2961	5.5	(V)	I/C	29		192432					
129882						*1047	8.0	(H)	196432-1047	57	75
*2950	5.5	(V)	I/C	31	78	*1065	8.0	(H)		56	75
*2951	5.5	(V)	I/C	29	78	194702					
129H02						*4519	8.0	(V)		51	79
0005	6.5	(V)				196432					
0015	6.5	(V)				*1047	8.0	(H)		64	75
12C112						19E412					
*0007	5.5	(H)		50		*1069	10.0	(H)		57	
12C314						19F432					
0131	7.75	(H)				*1043	10.0	(H)	IND. PLUS	57	
12D312						19G402					
0007	7.5	(H)	INTEK SNOW	39	17	*1015	10.0	(H)		56	
0009	7.5	(H)	INTEK SNOW	40	17	201432					
12D313						0016	8.0	(H)		61	
0017	7.5	(H)	INTEK SNOW	49	17	0036	8.0	(H)		61	20
0019	7.5	(H)	INTEK SNOW	49	17	202432					
12D393						0035	8.0	(H)	INTEK I/C	51	21
0018	7.5	(H)	INTEK SNOW	44	17	0036	8.0	(H)	INTEK I/C	52	21
12D412						0063	8.0	(H)	INTEK I/C	65	21
*0007	7.5	(H)		39	75	202437					
*0009	7.5	(H)		40	75	0033	8.0	(H)	INTEK I/C	69	21
12D413						0041	8.0	(H)	INTEK I/C	60	21
*0017	7.5	(H)	INTEK SNOW	49	75	202452					
12D602						0049	8.0	(H)	INTEK I/C	65	21
0015	6.5	(V)	INTEK	32		203432					
12E112						0035	8.0	(H)	INTEK PRO	53	22
*0007		(H)				0036	8.0	(H)	INTEK PRO	54	22
12E394						203437					
*0018	8.0	(H)	INTEK SNOW			0041	8.0	(H)	INTEK PRO	62	22
12F702						203452					
2624	5.0	(V)		27		0049	8.0	(H)	INTEK PRO	70	22

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Model/Type	HP	Position	I/C®Equiv.	Shipping Weight	Page	Model/Type	HP	Position	I/C®Equiv.	Shipping Weight	Page
204432						21A114					
0036	10.0	(H)	INTEK	52	27	0017	13.0	(H)			
205432						21A414			INTEK SNOW	72	
0035	10.0	(H)	INTEK I/C	52	28	0019	13.0	(H)			
0036	10.0	(H)	INTEK I/C	52	28	21B902					
0038	10.0	(H)	INTEK I/C	63	28	0015	13.5	(V)	INTEK	76	59
205437						0022	13.5	(V)	INTEK	76	59
0041	10.0	(H)	INTEK I/C	71	28	21B906					
205452						*0020	13.5	(V)	INTEK	76	
0049	10.0	(H)	INTEK I/C	65	28	21B907					
205457						0026	13.5	(V)	INTEK	83	59
0050	10.0	(H)	INTEK I/C	84	28	0028	13.5	(V)	INTEK	84	59
206432						0029	13.5	(V)	INTEK	84	59
0035	10.0	(H)	INTEK PRO	54	29	21B972					
0036	10.0	(H)	INTEK PRO	54	29	0016	13.5	(V)	INTEK	77	59
206437						21B977					
0041	10.0	(H)	INTEK PRO	75	29	0036	13.5	(V)	INTEK	84	59
206452						0038	13.5	(V)	INTEK	84	59
0049	10.0	(H)	INTEK PRO	67	29	235432					
20A412						0235	11.0	(H)	Vanguard	81	34
0007	9.0	(H)	INTEK SNOW	67	26	245432					
0009	9.0	(H)	INTEK SNOW	66	26	0235	13.0	(H)	Vanguard	81	35
20B414						0247	13.0	(H)	Vanguard	80	35
0017		(H)	INTEK SNOW			0270	13.0	(H)	Vanguard	80	35
20D414						245437					
0017	10.0	(H)	INTEK SNOW	74	30	0284	13.0	(H)	Vanguard	91	35
0019	10.0	(H)	INTEK SNOW	73	30	256422					
20F414						*1070	11.0	(H)	Industrial Plus	80	76
0017	11.0	(H)	INTEK SNOW	74	31	280H07					
0019	11.0	(H)	INTEK SNOW	74	31	0005	14.5	(V)	INTEK I/C		60
20G414						0036	14.5	(V)	INTEK I/C		60
0017	12.0	(H)	INTEK SNOW	74		285H07					
0019	12.0	(H)	INTEK SNOW	74		0026	15.5	(V)	INTEK	89	61
210412						0028	15.5	(V)	INTEK	86	61
0070	11.0	(H)	212412-0070	58	32	285H77					
210432						0036	15.5	(V)	INTEK	89	61
0035	11.0	(H)		62	32	286702					
0036	11.0	(H)	212432-0036	63	32	*4515	12.5	(V)	I/C	77	81
0046	11.0	(H)		61	32	*4516	12.5	(V)	I/C	77	81
212412						286707					
0070	11.0	(H)	INTEK I/C		33	*4520	12.5	(V)	I/C	76	81
212432						*4525	12.5	(V)	I/C	79	81
0036	11.0	(H)	INTEK I/C		33	*4526	12.5	(V)	I/C	78	81
212437						*4528	12.5	(V)	I/C	83	81
0041	11.0	(H)	INTEK I/C		33	*4529	12.5	(V)	I/C	80	81
212702						286H07					
*0015	9.0	(V)		65	80	0026		(V)			
212707						287707					
*0025	9.0	(V)		72	80	*1036		(V)			
*0026	9.0	(H)		72	80	28B702					
212902						*1016	10.5	(V)	I/C	79	80
*0015	9.0	(V)	INTEK	70	80	*1020	10.5	(V)	I/C	81	80
*0020	9.0	(V)	INTEK	71	80	28B707					
212907						*1019	10.5	(V)	I/C	90	80
*0025	9.0	(V)	INTEK	76	80	28CH77					
*0026	9.0	(V)	INTEK	77	80	0036	16.0	(V)	Extended Life Series	90	62
*0028	9.0	(V)	INTEK	79	80	28M707					
215702						*1026	13.0	(V)	Diamond Plus	79	81
0015	10.5	(V)		65	55	*1029	13.0	(V)	Diamond Plus	79	81
215707						28N777					
0025	10.5	(V)		72	55	*1194	15.5	(V)		88	
0026	10.5	(V)		72	55	28R707					
215902						*1140	13.5	(V)	I/C	74	
0015	10.5	(V)	INTEK	70	56	303440					
0020	10.5	(V)	INTEK	71	56	*1409	16.0	(H)	Vanguard	62	
215907						*1410	16.0	(H)	Vanguard	87	
0025	10.5	(V)	INTEK	76	56	303442					
0026	10.5	(V)	INTEK	77	56	*1327	16.0	(H)	Vanguard	95	76
0028	10.5	(V)	INTEK	79	56	303447					
216902						*1105	16.0	(H)	Vanguard	89	76
*0015	11.0	(V)	INTEK	72	80	*1180	16.0	(H)	Vanguard	81	
*0016	11.0	(V)	INTEK	69	80	*1323	16.0	(H)	Vanguard	96	76
*0020	11.0	(V)	INTEK	72	80	*1368	16.0	(H)	Vanguard	103	76
216907						*1375	16.0	(H)	Vanguard	87	76
*0019	11.0	(V)	INTEK	77	80	*1377	16.0	(H)	Vanguard	88	76
*0025	11.0	(V)	INTEK	77	80	*1378	16.0	(H)	Vanguard	87	76
*0028	11.0	(V)	INTEK	77	80	*1379	16.0	(H)	Vanguard	86	76
217902						303772					
0015	11.5	(V)	INTEK	72	57	*1020	16.0	(V)	Vanguard	81	82
0016	11.5	(V)	INTEK	69	57	303777					
0020	11.5	(V)	INTEK	72	57	*1032	16.0	(V)	Vanguard	85	82
217907						305440					
0019	11.5	(V)	INTEK	77	57	1409	16.0	(H)	Vanguard		
0025	11.5	(V)	INTEK	77	57	1410	16.0	(H)	Vanguard		
0028	11.5	(V)	INTEK	77	57	305442					
218707						0027	16.0	(H)	Vanguard	95	36
*0026	12.0	(V)		72	81						
219707											
0026	12.5	(V)		72	58						

*Availability subject to remaining stock at Distributors and Factory.

Contact your Briggs & Stratton Central Sales & Service Distributor for pricing.

Model/Type	HP	Position	I/C®Equiv.	Shipping Weight	Page	Model/Type	HP	Position	I/C®Equiv.	Shipping Weight	Page
305447						380447					
0005	16.0	(H)	Vanguard	89	36	*0048	23.0	(H)	Vanguard	87	77
0023	16.0	(H)	Vanguard	96	36	*0065	23.0	(H)	Vanguard	87	77
0068	16.0	(H)	Vanguard	103	36	*0077	23.0	(H)	Vanguard	87	77
0075	16.0	(H)	Vanguard	87	36	*0078	23.0	(H)	Vanguard	85	77
0077	16.0	(H)	Vanguard	88	36	*0079	23.0	(H)	Vanguard	85	77
0078	16.0	(H)	Vanguard	87	36	*0174	23.0	(H)	Vanguard		
0079	16.0	(H)	Vanguard	86	36	380777					
0110	16.0	(H)	Vanguard		36	*0024	23.0	(V)	Vanguard	83	83
30544A						*0036	23.0	(V)	Vanguard	82	83
0111	16.0	(H)	Vanguard			*0131	23.0	(V)	Vanguard	90	
305772						381447					
0020	16.0	(H)	Vanguard	81	63	*0075	21.0	(H)	Vanguard	94	77
305777						*0272	21.0	(H)	Vanguard		
0032	16.0	(H)	Vanguard	85	63	385447					
311777						0020	21.0	(H)	Vanguard		
*0152	17.0	(H)	INTEK			0075	21.0	(H)	Vanguard		38
31G707						386447					
0026	17.5	(V)	INTEK	88	64	0020	23.0	(H)	Vanguard		39
31G777						0048	23.0	(H)	Vanguard	87	39
0036	17.5	(V)	INTEK	90	64	0065	23.0	(H)	Vanguard	87	39
31H777						0077	23.0	(H)	Vanguard	87	39
0202		(V)	INTEK	84		0078	23.0	(H)	Vanguard	85	39
31L777						0079	23.0	(H)	Vanguard	85	39
0036	17.5	(V)	Extended Life Series	90	65	386777					
31N707						0024	23.0	(V)	Vanguard		72
0026	18.5	(V)	I/C	88	67	0036	23.0	(V)	Vanguard		72
31Q777						407577					
0036	18.5	(V)	Extended Life Series	90	68	*0025	22.0	(V)	INTEK	94	82
350442						*0026	22.0	(V)	INTEK	96	82
*1365	18.0	(H)	Vanguard	88	76	*0027	22.0	(V)	INTEK	96	82
350447						40H777					
*1009	18.0	(H)	Vanguard	89	76	*0026	22.0	(V)	Extended Life Series	95	83
*1079	18.0	(H)	Vanguard	89	76	*0027	22.0	(V)	Extended Life Series	96	83
*1087	18.0	(H)	Vanguard	90	76	430447					
*1105	18.0	(H)	Vanguard	89	76	0305	23.5	(H)	Vanguard	169	44
*1116	18.0	(H)	Vanguard	84	76	432447					
*1366	18.0	(H)	Vanguard	102	76	0205	18.0	(H)	Vanguard	210	45
*1375	18.0	(H)	Vanguard	93	76	433447					
*1377	18.0	(H)	Vanguard	89	76	0116/0216	23.0	(H)	Vanguard		
*1378	18.0	(H)	Vanguard	89	76	441777					
*1396	18.0	(H)	Vanguard	96	76	0025	22.0	(V)	INTEK		70
*1415	18.0	(H)	Vanguard		76	0026	22.0	(V)	INTEK		70
350776						0027	22.0	(V)	INTEK		70
*1046	18.0	(V)	Vanguard	81	82	445777					
350777						*0027	25.0	(H)	INTEK Twin	97	83
*1034	18.0	(V)	Vanguard	86	82	446777					
*1137	18.0	(V)	Vanguard	82	82	*0025	26.0	(V)	Extended Life Series	95	83
351447						*0126	26.0	(V)	Extended Life Series	96	83
*1048	20.0	(H)	Vanguard	93	76	*0127	26.0	(V)	Extended Life Series	94	83
*1077	20.0	(H)	Vanguard	91	76	44K777					
*1078	20.0	(H)	Vanguard	93	76	0026	22.0	(V)	Extended Life Series		71
351772						0027	22.0	(V)	Extended Life Series		71
*1045	20.0	(V)	Vanguard	81	82	44P777					
351776						0025	26.0	(V)	Extended Life Series		73
*1146/1246	20.0	(V)	Vanguard			0026	26.0	(V)	Extended Life Series		73
351777						0027	26.0	(V)	Extended Life Series		73
*1036	20.0	(V)	Vanguard	89	82	473177					
354447						0111	27.0	(H)	Vanguard	160	42
*0044		(H)	Vanguard	91		0112	27.0	(H)	Vanguard	177	42
356442						0113	27.0	(H)	Vanguard		42
0065	18.0	(H)	Vanguard	88	37	522447					
356447						0105	23.5	(H)	Vanguard	210	45
0005	18.0	(H)	Vanguard	89	37	0106	23.5	(H)	Vanguard	199	
0009	18.0	(H)	Vanguard	98	37	543477					
0036	18.0	(H)	Vanguard	102	37	0048	31.0	(H)	Vanguard	143	40
0075	18.0	(H)	Vanguard	93	37	0065	31.0	(H)	Vanguard	155	40
0077	18.0	(H)	Vanguard	89	37	0076	31.0	(H)	Vanguard	140	40
0078	18.0	(H)	Vanguard	89	37	0078	31.0	(H)	Vanguard		40
0079	18.0	(H)	Vanguard	89	37	0079	31.0	(H)	Vanguard	132	40
0087	18.0	(H)	Vanguard	90	37	0110	31.0	(H)	Vanguard	152	40
0096	18.0	(H)	Vanguard	96	37	0111	31.0	(H)	Vanguard	141	40
1415	18.0	(H)	Vanguard		37	543777					
356776						0110		(V)	Vanguard		
0046	18.0	(V)	Vanguard		66	580447					
356777						0305	31.0	(H)	Vanguard	252	44
0034	18.0	(V)	Vanguard	86	66	0133	31.0	(H)	Vanguard	183	
1137	18.0	(V)	Vanguard	86	66	0115/0215	31.0	(H)	Vanguard	176	
358772						582447					
0045	20.0	(V)	Vanguard	81	69	0105/0205	26.5	(H)	Vanguard	285	45
358776						0125/0225	26.5	(H)	Vanguard	198	
1146	20.0	(V)	Vanguard			0130/0230	26.5	(H)	Vanguard	191	
358777						0131/0231	26.5	(H)	Vanguard	230	
0036	20.0	(V)	Vanguard	89	69	588447					
359447						0205	31.0	(H)	Vanguard	196	47
0044		(H)	Vanguard			58A447					
						0205	34.0	(H)	Vanguard	196	47
						613177					
						0113	35.0	(H)	Vanguard	168	43
						613477					
						0048	35.0	(H)	Vanguard	146	41
						0076	35.0	(H)	Vanguard	143	41
						0079	35.0	(H)	Vanguard	147	41
						0111	35.0	(H)	Vanguard	145	41

*Availability subject to remaining stock at Distributors and Factory.

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SPECIFICATIONS OF SERVICE ENGINES

LEGEND OF ABBREVIATIONS

STARTER POSITION:	Number shown is “o’clock” position of rewind starter. Spark plug is considered to be the 12 o’clock position.
OIL FILLER & DRAIN:	“CS” - carburetor side, “OC” - opposite carburetor, “D” - dual (both sides).
GOVERNOR:	“AV” - air vane, “M” - mechanical, “E” - electronic.
CONTROLS:	“MF” - manual friction, “R” - remote, “AG” - adjustable for a constant speed operation, “FC” - fixed speed control.
GROUND WIRE TERMINAL:	May be used with stop switch in remote location.
ACCESSORY MTG. BOSS or FLANGE MOUNTING:	Tapped holes in crankcase cover used to fasten clutch brackets, belt guards, etc.
DIMENSION:	Distance from end of crankshaft to one of the points listed below: (a) Oil seal on plain bearing horizontal crankshaft engines. (b) Mounting face of sump on vertical crankshaft engines. (c) Flange mounting face on horizontal crankshaft engines.
SHIPPING WEIGHT:	Gross Domestic Shipping Weight.

ALL POWER RATINGS SHOWN IN THIS CATALOG ARE SUBJECT TO THE FOLLOWING:

The power rating labels for individual engine models are initially developed by starting with SAE (Society of Automotive Engineers) code J1940 (Small Engine Power & Torque Rating Procedure) (Revision 2002-05). The above values may not necessarily represent the maximum gross power output of a Briggs & Stratton engine per SAE J1995 Engine Power Test Code -- Gross Power Rating. The maximum gross power output of these engines may be significantly higher in accordance with the SAE J1995 standard. Given both the wide array of products on which our engines are placed, and the variety of environmental issues applicable to operating the equipment it may be that the engine you have purchased will not develop the rated power when used in a piece of power equipment (actual “on-site” power). This difference is due to a variety of factors including, but not limited to, the following: differences in altitude, temperature, barometric pressure, humidity, fuel, engine lubrication, maximum governed engine speed, individual engine to engine variability, design of the particular piece of power equipment, the manner in which the engine is operated, engine run-in to reduce friction and clean out the combustion chambers, adjustments to the valves and carburetor, and other factors. The power ratings may also be adjusted based on comparisons to other similar engines utilized in similar applications, and will therefore not necessarily match the values derived using the foregoing codes.

YOUR KEY TO THE WORLD'S FINEST ENGINES

This chart explains the unique Briggs & Stratton numerical model designation system. It is possible to determine most of the important mechanical features of the engine by merely knowing the model number. Here is how it works:

- A. The first one or two digits indicate the approximate CUBIC INCH DISPLACEMENT.
- B. The first digit after the displacement indicates the BASIC DESIGN SERIES, relating to cylinder construction, ignition, general configuration, etc.
- C. The second digit after the displacement indicates ORIENTATION OF CRANKSHAFT.
- D. The third digit after the displacement indicates TYPE OF BEARINGS, and whether or not the engine is equipped with REDUCTION GEAR or AUXILIARY DRIVE.
- E. The last digit indicates the TYPE OF STARTER.

BRIGGS & STRATTON MODEL NUMBERING SYSTEM

<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>
<u>FIRST DIGIT AFTER DISPLACEMENT</u>	<u>FIRST DIGIT AFTER DISPLACEMENT</u>	<u>SECOND DIGIT AFTER DISPLACEMENT</u>	<u>THIRD DIGIT AFTER DISPLACEMENT</u>	<u>FOURTH DIGIT AFTER DISPLACEMENT</u>
<u>CUBIC INCH DISPLACEMENT</u>	<u>BASIC DESIGN SERIES</u>	<u>CRANKSHAFT ORIENTATION</u>	<u>PTO BEARING, REDUCTION GEAR, AUXILIARY DRIVE, LUBRICATION</u>	<u>TYPE OF STARTER</u>
2	0	0 to 4 - Horizontal Shaft	0 - Plain Bearing/DU Non-Flange Mount	0 - Without Starter
5	1	5 to 9 - Vertical Shaft		1 - Rope Starter
6	2			2 - Rewind Starter
8	3	A to G - Horizontal Shaft	1 - Plain Bearing Flange Mounting	3 - Electric Starter Only 110 or 230 Volt Gear Drive
9	4	H to Z - Vertical Shaft	2 - Sleeve Bearing Flange Mounting Splash Lube	4 - Electric Starter/110 or 230 Volt Gear Drive with Alternator
10	5		3 - Ball Bearing Flange Mounting Splash Lube	5 - Electric Starter Only 12 or 24 Volt Gear Drive
11	6		4 - Ball Bearing Flange Mounting Pressure Lubrication	6 - Alternator Only
12	7		5 - Plain Bearing Gear Reduction (6 to 1) CCW Rotation Flange Mounting	7 - Electric Starter 12 or 24 Volt Gear Drive with Alternator
13	8		6 - Ball Bearing Gear Reduction (2 to 1) CCW Rotation	8 - Vertical Pull Starter or Side Pull Starter
15	9		7 - Plain Bearing Pressure Lubrication	9 - Mechanical Starter
16	A to Z		8 - Plain Bearing Auxiliary Drive (PTO) Perpendicular to Crankshaft	A - Electric Starter 12 or 24 Volt Gear Drive with Alternator and Inverter
18			9 - Plain Bearing Auxiliary Drive Parallel to Crankshaft	
19			A - Plain Bearing Pressure Lubrication Without Oil Filter	
20				
21				
22				
23				
24				
25				
28				
29				
30				
31				
32				
35				
38				
40				
42				
43				
44				
46				
47				
52				
54				
58				
61				

EXAMPLE - To identify Model 303447:

<u>30</u>	<u>3</u>	<u>4</u>	<u>4</u>	<u>7</u>
30 Cubic Inch	Design Series 3	Horizontal Shaft	Ball Bearing Flange Mounting Pressure Lubrication	Electric Starter 12 or 24 Volt Gear Drive with Alternator

TYPE 1234-01, The type number identifies the engines mechanical parts, color of paint, decals, governed speed, and Original Equipment Manufacturer.

CODE 01061201, The code is the manufacturing date and is read as follows:

<u>YEAR</u>	<u>MONTH</u>	<u>DAY</u>	<u>ASSEMBLY LINE AND MANUFACTURING PLANT</u>
01	06	12	01

BRIGGS & STRATTON CORPORATION

SPECIAL PURPOSE ENGINES

The REPLACEMENT engines shown below are stocked by the Factory and by many distributors to avoid equipment down time.

ORIGINAL ENGINE				REPLACEMENT			
Model	Type	Manufacturer	Used On	Model	Type	Crankshaft	Shipping Weight
93412	0136	Coleman	Generator	93412	1236*	399006	23
122K12	0154	Devilbliss	Pressure Washer	122K12	0006	691455	
123602	0131 0137 0141	Toro Mfg. Company	Rotary Lawn Mower	123602	0131	691458	36
123602	0132 0138	Toro Mfg. Company	Rotary Lawn Mower	123602	0132	692988	36
123607	0133 0139 0142	Toro Mfg. Company	Rotary Lawn Mower	123607	0133	691458	39
123672	0135 0140	Toro Mfg. Company	Rotary Lawn Mower	123672	0135	691458	37
123672	0136	Toro Mfg. Company	Rotary Lawn Mower	123672	0136	692988	37
124702 128800	3115 3141 0615	Toro Mfg. Company	Rotary Lawn Mower	128802	1715	692005	27
124707 124807 128807	3114, 3147 3211 0211, 1112	Snapper	Rotary Lawn Mower	128807	2312*	691450	32
124802	0210	Snapper	Rotary Lawn Mower	124802	0210*	493946	28
129612	0111 0112	B&S Power Products	Pressure Washer	129612	0111	691457	
12F612	0115	B&S Power Products	Pressure Washer	12F612	0115	691457	
12G612	0110	B&S Power Products	Pressure Washer	12F612	0115	691457	
12H802	1767	Toro Mfg. Company	Rotary Lawn Mower	12H802	1767	694079	28
190432	6117	MTD Products, Inc	Chipper	190432	6117*	495866	53
19E412	0069 0107 0130 0132 1069	Coleman	Generator	19E412	1069*	692367	57
19F432	0043 0113 0133 1043	Coleman	Generator	19F432	1043*	495790	57
303447	0480 1180	Toro Mfg. Company	Tractor	303447	1180	808056	81
31B775	0120	B&S Power Products	Generator	31B775	0120	699106	

* Availability subject to remaining stock at Distributors and Factory.

2.4 HP - Series 50000 Vanguard™

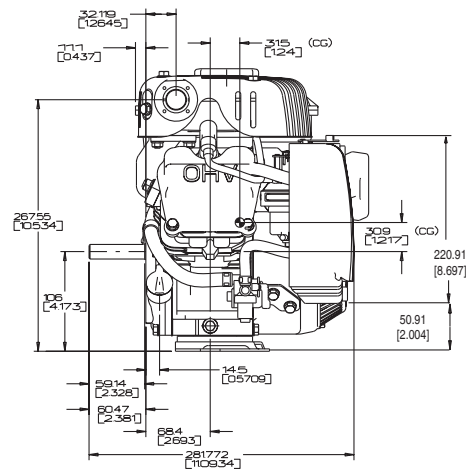
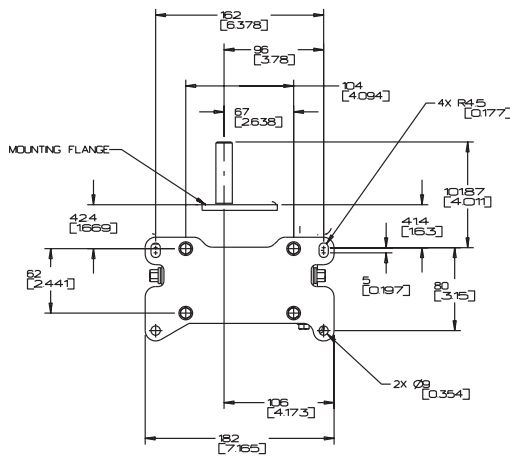
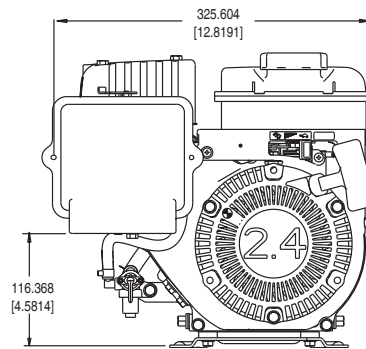
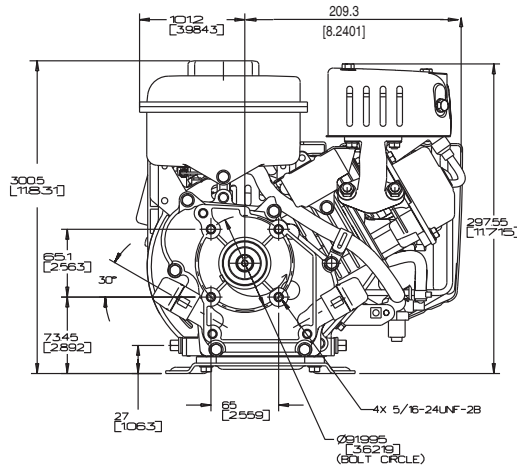


Displacement 4.88 cu. in. (80 cc)
 Bore 2.05 in. (52 mm)
 Stroke 1.49 in. (38 mm)
 Oil Capacity 12.2 fl. oz. (.36)



Features:

- Dura-Bore™ cast iron cylinder sleeve for extended life
- Float carburetor for consistent easy starting
- Maintenance-free Magnetron® electronic ignition for quick, dependable starts
- Dual-Clean™ air cleaner pleated paper filter with a foam pre-cleaner ensures maximum protection for extended engine life
- Oil Gard® low oil engine shutdown device
- Overhead valve design (OHV) for cooler operation and longer valve life
- Buyer protection package provides two-year commercial engine warranty



Model Type	Shipping Weight	Crankshaft	Crankshaft (P.T.O.) Extension	Dimension	Starter Position Bolt-On/Changeable	Oil Filter & Drain	Governor	Controls	Manual Choke	Fuel Tank (Quarts)	Rocker Stop Switch	Oil Gard®	Flange Mtg.	Top Governor Speed	Notes
50032															
0005	28	715923	5/8" dia., Keyway, tapped 1/4-28	2-3/8(c)	2	D	M	R/AG/MF	X	1.7		X	X	3600	•
0006	28	715923	5/8" dia., Keyway, tapped 1/4-28	2-3/8(c)	2	D	M	R/AG/MF	X	1.7		X	X	3600	▽•

• Ball bearing PTO and magneto side ▽ Square dual air cleaner

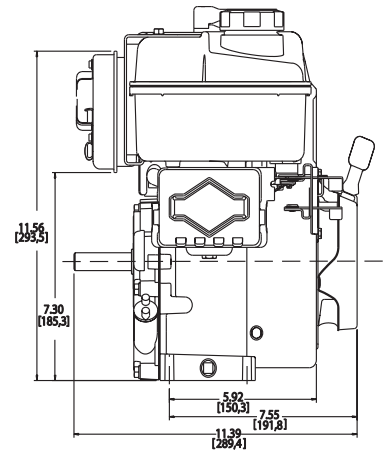
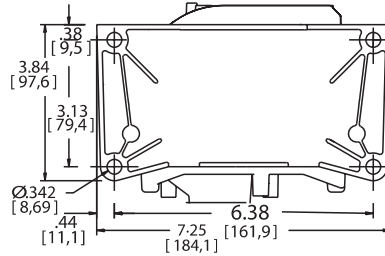
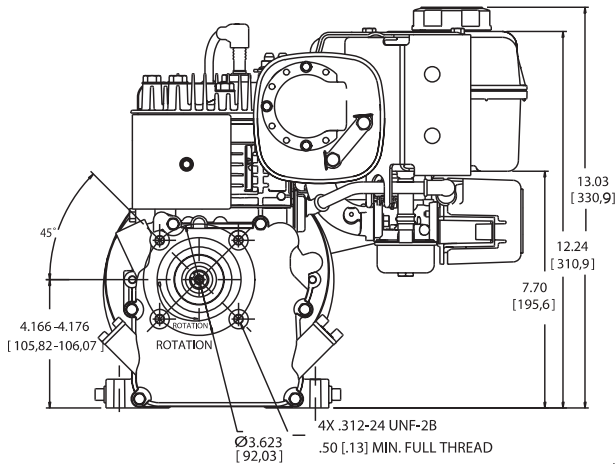
3.5 HP - Series 93300 Powerbuilt™

Displacement 9.02 cu. in. (148 cc)
 Bore 2.56 in. (65.1 mm)
 Stroke 1.75 in. (44.4 mm)
 Oil Capacity 20 fl. oz. (0.59 l)



Features:

- Aluminum alloy bore for cooler operation
- Float carburetor for consistent, easy starting
- Maintenance-free Magnetron® electronic ignition for quick, dependable starts
- Easy-Spin® compression release for fast, easy starts
- Maxi-Clean™ automotive-type pleated paper air filter provides superior protection for long engine life



Model Type	Shipping Weight	Crankshaft	Crankshaft (P.T.O.) Extension	Dimension	Starter Position	Oil Filler & Drain	Governor	Controls	Choke-A-Matic®	Manual Choke	Fuel Tank (Quarts)	Ground Wire Terminal	Accessory Mtg. Boss	Heavy Flywheel	Top Governor Speed	Notes
93302																
0016	29	492880	3/4" dia., Keyway, tapped 1/4-28	2-5/16(a)	12	D	AV	AG/R/MF	X	2.2	X	X	X	X	3300	
0017	29	497232	5/8" dia., Keyway, tapped 1/4-28	2-5/16(a)	12	D	AV	AG/R/MF	X	2.2	X	X	X	X	3300	
93312																
0002	30	497232	5/8" dia., Keyway, tapped 1/4-28	2-5/16(a)	12	D	AV	AG/R/MF	X	2.2	X			X	3300	
0022	30	492880	3/4" dia., Keyway, tapped 1/4-28	2-5/16(a)	12	D	AV	AG/R/MF	X	2.2	X	X	X	X	3600	
93332																
0030	29	690821	3/4" dia., Keyway, tapped 5/16-24	2-27/64(c)	10	D	AV	AG/R/MF	X	2.2	X			X	3600	
0035	29	690821	3/4" dia., Keyway, tapped 5/16-24	2-27/64(c)	12	D	AV	AG/R/MF	X	2.2	X			X	3300	*
0036	30	492095	Threaded 5/8-18	2-27/64(c)	12	D	AV	AG/R/MF	X	2.2	X			X	4000	*
0040	30	497232	5/8" dia., Keyway	2-27/64(c)	12	D	AV	AG/R/MF	X	2.2	X			X	4000	*
93352																
0049	35	493599	6 to 1 Gear reduction CCW rotation, Gear Shaft, 3/4" dia., Keyway	2(a)	12	D	AV	AG/R/MF	X	2.2	X			X	4000	†

* Ball Bearing - PTO side only † Gear reduction at 9 o'clock position.

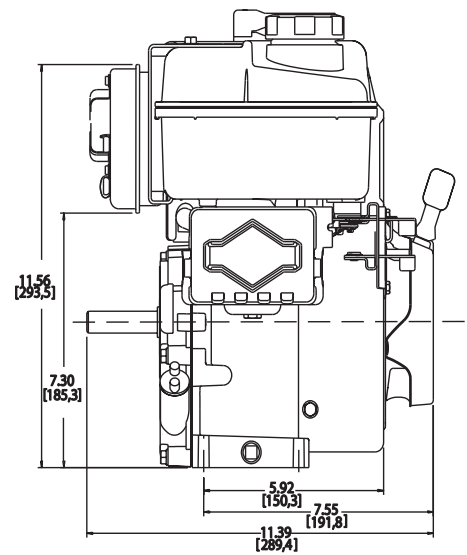
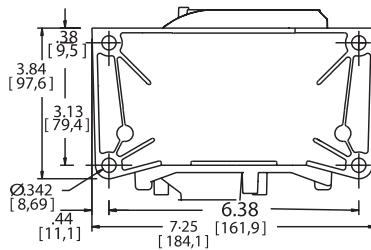
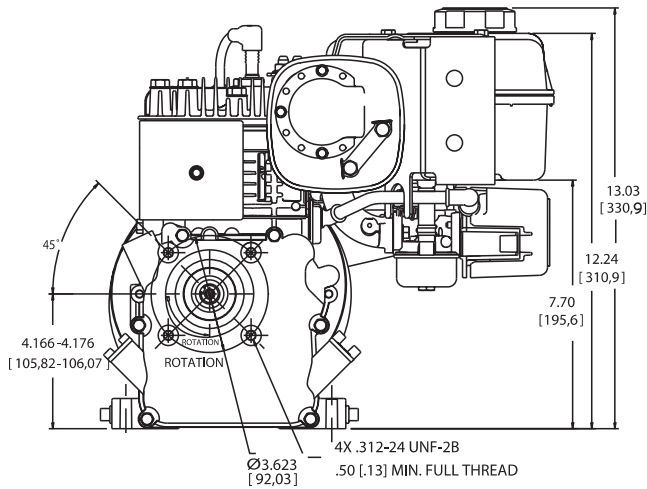
3.5 HP - Series 94000 I/C®

Displacement 9.02 cu. in. (148 cc)
 Bore 2.56 in. (65.1 mm)
 Stroke 1.75 in. (44.4 mm)
 Oil Capacity 20 fl. oz. (0.59 l)



Features:

- Dura-Bore® cast iron cylinder sleeve for extended life
- Float carburetor for consistent, easy starting
- Maintenance-free Magnetron® electronic ignition for quick, dependable starts
- Maxi-Clean™ automotive-type pleated paper air filter provides superior protection for long engine life
- Buyer protection package provides two-year consumer and one-year commercial engine warranty



Model Type	Shipping Weight	Crankshaft	Crankshaft (P.T.O.) Extension	Dimension	Starter Position	Oil Filler & Drain	Governor	Controls	Choke-A-Matic®	Manual Choke	Fuel Tank (Quarts)	Ground Wire Terminal	Accessory Mtg. Boss	Heavy Flywheel	Top Governor Speed	Notes
94032																
0035	30	690821	3/4" dia., Keyway, tapped 5/16-24	2-27/64(c)	10	D	AV	AG/R/MF		X	2.2	X		X	3300	*
0036	29	492095	Threaded 5/8-18	2-27/64(c)	12	D	AV	AG/R/MF		X	2.2	X		X	4000	*
0038	25	692145	Tapered, tapped 5/16-24	2-13/16(c)	12	D	AV	AG		X	2.2	X	X	X	3800	*
0040	29	497232	5/8" dia., Keyway	2-27/64(c)	12	D	AV	AG/R/MF		X	2.2	X		X	3300	*
94052																
0049	34	493599	6 to 1 Gear reduction CCW rotation, Gear Shaft, 3/4" dia., Keyway	2(a)	12	D	AV	AG/R/MF		X	2.2	X		X	3300	†

* Ball Bearing - PTO side only † Gear reduction at 9 o'clock position.

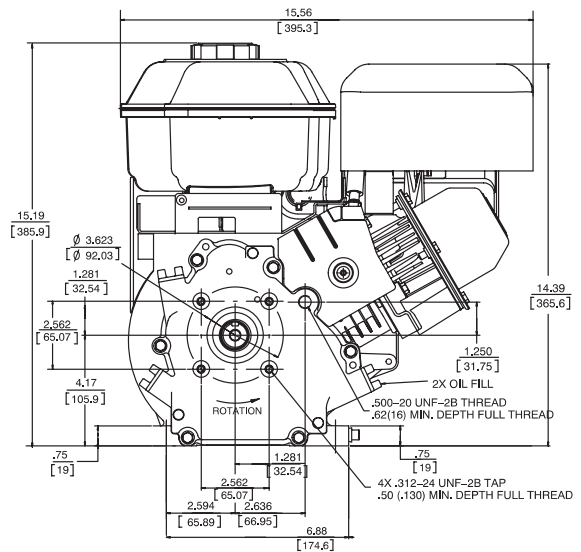
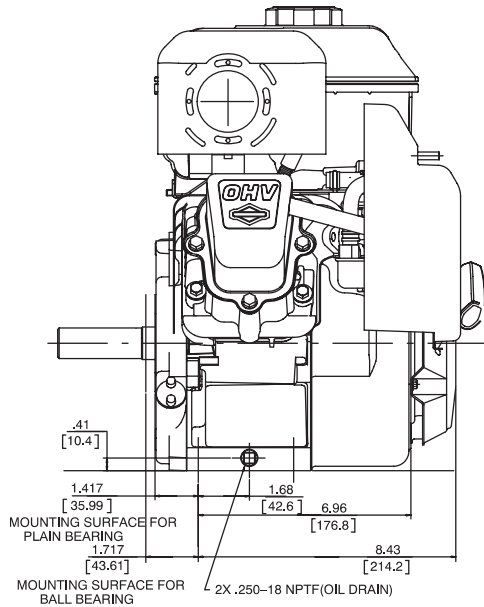
5.5 HP - Series 126300 Power Built™ OHV

Displacement 12.57 cu. in. (206 cc)
Bore 2.69 in. (68.3 mm)
Stroke 2.2 in. (55.8 mm)
Oil Capacity 20 fl. oz. (0.60 l)



Features:

- Aluminum alloy bore for cooler operation
- Float carburetor for consistent easy starting
- Maintenance-free Magnetron® electronic ignition for quick, dependable starts
- Overhead valve design (OHV) for cooler operation and longer valve life
- Maxi-Clean™ automotive type pleated paper air filter provides superior protection for long engine life



Model Type	Shipping Weight	Crankshaft	Crankshaft (P.T.O.) Extension	Dimension	Starter Position	Oil Filler & Drain	Governor	Controls	Manual Choke	Fuel Tank (Quarts)	Remote Stop Switch	Flange Mtg.	Top Governor Speed	Notes
126312														
0023	40	699445	3/4" dia., Keyway, tapped 5/16-24	2-5/16(a)	10:30	D	M	R/AG/MF	X	3	X	X	3800	
0060	39	699451	1" dia., Keyway, tapped 3/8-24	2-7/8(c)	10:30	D	M	R/AG/MF	X	3	X	X	3800	
126332														
0035	39	699441	Threaded 5/18-18	2-27/64(c)	10:30	D	M	R/AG/MF	X	3	X	X	4000	•
0036	40	699443	3/4" dia., Keyway, tapped 5/16-24	2-27/64(c)	10:30	D	M	R/AG/MF	X	3	X	X	3600	•
126352														
0049	44	699444	6 to 1 gear reduction CCW rotation, Gear shaft 3/4" dia., Keyway	2(a)	10:30	D	M	R/AG/MF	X	3	X	X	3600	
126392														
0070	40	699445	3/4" dia., Keyway, tapped 5/16-24, Aux P.T.O. 1/2 dia.	2-5/16(a)	10:30	D	M	R/AG/MF	X	3	X		3800	

• Ball bearing PTO

6 HP - Series 118400 Vanguard™

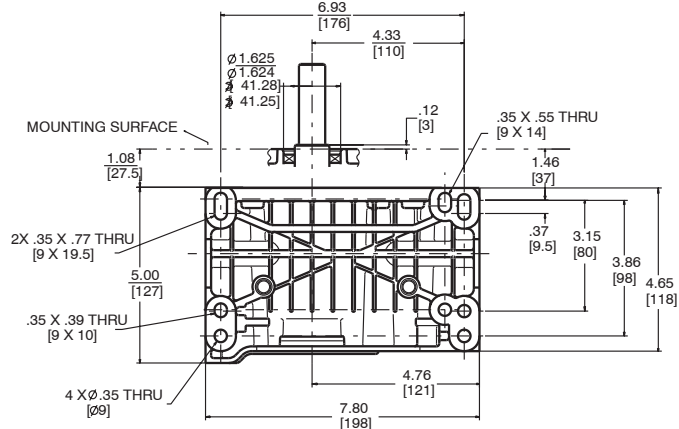
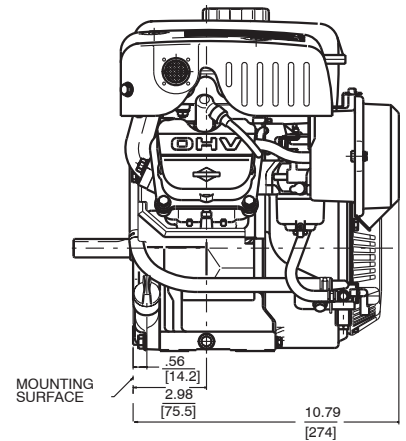
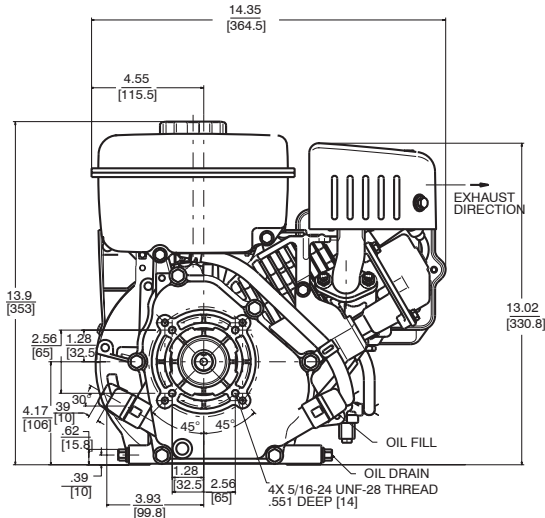


Displacement 11 cu. in. (181 cc)
Bore 2.67 in. (68 mm)
Stroke 1.96 in. (50 mm)
Oil Capacity 24 fl. oz. (0.70 l)



Features:

- Dura-Bore™ cast iron cylinder sleeve for extended life
- Float carburetor for consistent easy starting
- Maintenance-free Magnetron® electronic ignition for quick, dependable starts
- Dual-Clean™ air cleaner pleated paper filter with a foam pre-cleaner ensures maximum protection for extended engine life
- Oil Gard® low oil engine shutdown device
- Overhead valve design (OHV) for cooler operation and longer valve life
- Buyer protection package provides two-year commercial engine warranty



Model Type	Shipping Weight	Crankshaft	Crankshaft (P.T.O.) Extension	Dimension	Starter Position Bolt-On/Changeable	Oil Filler & Drain	Governor	Controls	Manual Choke	Fuel Tank (Quarts)	Rocker Stop Switch	Oil Gard®	Flange Mtg.	Top Governor Speed	Notes
118432															
0035	44	711332	Threaded 5/8-18	2-27/64(c)	12	D	M	AG/MF	X	3.8	X	X	X	3600	•
0036	48	711190	3/4" dia., Keyway, tapped 5/16-24	2-27/64(c)	12	D	M	AG/MF	X	3.8	X	X	X	3600	•
0060	48	715903	25 mm dia., Keyway, tapped 5/16-24	2-27/64(c)	12	D	M	AG/MF	X	3.8	X	X	X	3600	•
0061	48	711331	Tapered, tapped 5/16-24	2-13/16(c)	12	D	M	AG	X	*	X	X	X	3800	•*

• Ball bearing PTO and magneto side * Fuel Tank and Muffler Omitted

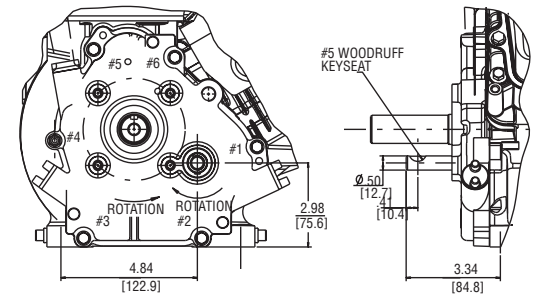
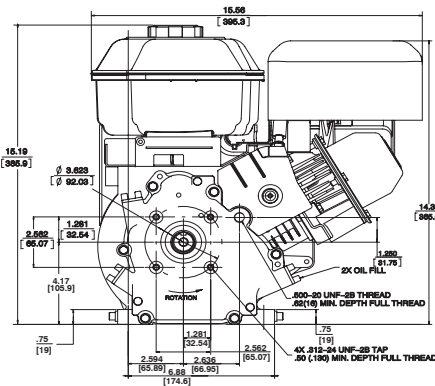
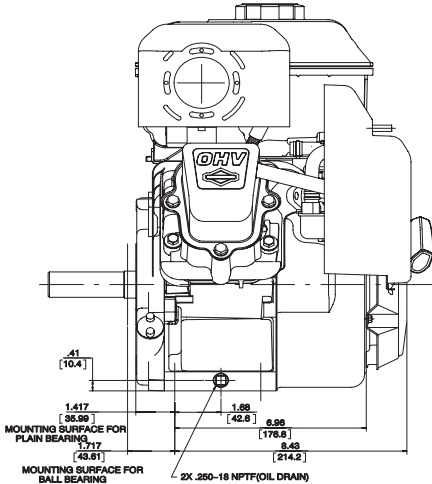
6.5 HP - Series 121300 INTEK™ I/C®

Displacement 12.57 cu. in. (206 cc)
Bore 2.69 in. (68.3 mm)
Stroke 2.2 in. (55.8 mm)
Oil Capacity 20 fl. oz. (0.60 l)



Features:

- Dura-Bore™ cast iron cylinder sleeve for extended life
- Float carburetor for consistent easy starting
- Maintenance-free Magnetron® electronic ignition for quick, dependable starts
- Dual-Clean™ air cleaner pleated paper filter with a foam pre-cleaner ensures maximum protection for extended engine life
- Overhead valve design (OHV) for cooler operation and longer valve life
- Buyer protection package provides two-year consumer engine warranty



Model Type	Shipping Weight	Crankshaft	Crankshaft (P.T.O.) Extension	Dimension	Starter Position	Oil Filler & Drain	Governor	Controls	Manual Choke	Fuel Tank (Quarts)	Remote Stop Switch	Flange Mtg.	Top Governor Speed	Notes
121312														
0014	39	699444	Gear reduction Crankshaft, Less reduction assembly		10:30	D	M	R/MF	X	3	X	X	3600	
0023	39	699445	3/4" dia., Keyway, tapped 5/16-24	2-5/16(a)	10:30	D	M	R/AG/MF	X	3	X	X	3800	
0026	39	699447	Tapered, tapped 5/16-24	2-13/16(c)	10:30	D	M	FC	X	3	X	X	3750	
0028	39	699452	Tapered, tapped 3/8-24	2-23/32(c)	10:30	D	M	R/AG/MF	X	3	X	X	3600	
0060	35	699451	1" dia., Keyway, tapped 3/8-24	2-7/8(c)	10:30	D	M	R/AG/MF	X	3	X	X	3800	
121332														
0033	40	699442	Tapered, tapped 5/16-24	2-13/16(c)	10:30	D	M	AG	X	3		X	3750	•
0035	38	699441	Threaded 5/8-18	2-27/64(c)	10:30	D	M	R/AG/MF	X	3	X	X	4000	•
0036	39	699443	3/4" dia., Keyway, tapped 5/16-24	2-27/64(c)	10:30	D	M	R/AG/MF	X	3	X	X	3600	•
121337														
0050	40	699443	3/4" dia., Keyway, tapped 5/16-24	2-27/64(c)	10:30	D	M	R/AG/MF	X	3	X	X	3600	• □
121352														
0049	42	699444	6 to 1 Gear reduction CCW rotation, Gear Shaft 3/4" dia., Keyway	2(a)	10:30	D	M	R/AG/MF	X	3	X	X	3600	
121392														
0070	37	699445	3/4" dia., Keyway, tapped 5/16-24	2-15/16(a)	10:30	D	M	R/AG/MF	X	3	X	X	3600	
0071	38	699451	1" dia., Keyway, tapped 3/8-24	2-7/8(c)	10:30	D	M	R/AG/MF	X	3		X	3800	

• Ball bearing PTO and DU magneto side □ Engine equipped with 12 volt gear drive starter and 1.5 AMP DC alternator.

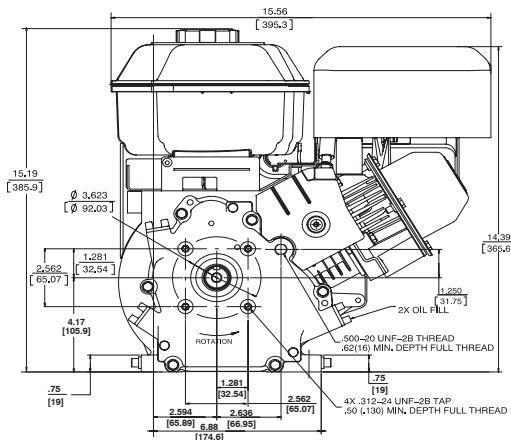
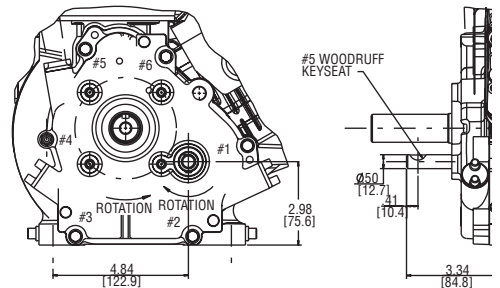
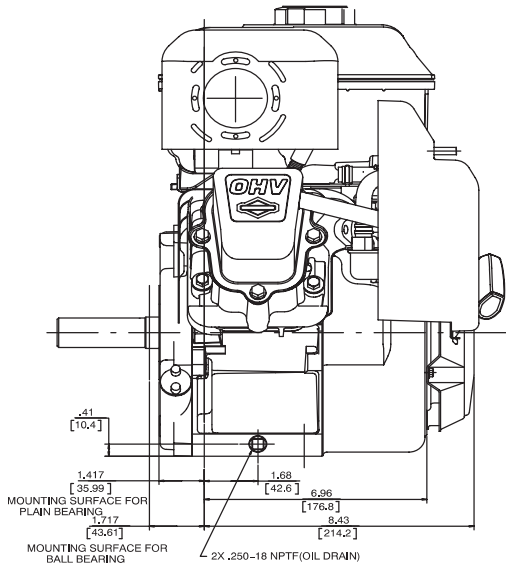
6.5 HP - Series 123300 INTEK™ PRO

Displacement 12.57 cu. in. (206 cc)
Bore 2.69 in. (68.3 mm)
Stroke 2.2 in. (55.8 mm)
Oil Capacity 20 fl. oz. (0.60 l)



Features:

- Dura-Bore™ cast iron cylinder sleeve for extended life
- Float carburetor for consistent easy starting
- Maintenance-free Magnetron® electronic ignition for quick, dependable starts
- Dual-Clean™ air cleaner pleated paper filter with a foam pre-cleaner ensures maximum protection for extended engine life
- Overhead valve design (OHV) for cooler operation and longer valve life
- Extended oil fill
- Low oil sense device
- Buyer protection package provides two-year consumer engine warranty



Model Type	Shipping Weight	Crankshaft	Crankshaft (P.T.O.) Extension	Dimension	Starter Position Bolt-On/Changeable	Oil Filler & Drain	Governor	Controls	Manual Choke	Fuel Tank (Quarts)	Rocker Stop Switch	Oil Sensor	Flange Mtg.	Top Governor Speed	Notes
123332															
0035	42	699441	Threaded 5/8-18	2-27/64(c)	10:30	D	M	MF	X	4	X	X	X	4000	•
0036	42	699443	3/4" dia., Keyway, tapped 5/16-24	2-27/64(c)	10:30	D	M	R/AG/MF	X	4	X	X	X	3600	•
123337															
0050	44	699443	3/4" dia., Keyway, tapped 5/16-24	2-27/64(c)	10:30	D	M	R/AG/MF	X	4	X	X	X	3600	• □
123352															
0049	47	699444	6 to 1 Gear reduction CCW rotation, Gear Shaft 3/4" dia., Keyway	2(a)	10:30	D	M	R/AG/MF	X	4	X	X	X	3600	

• Ball bearing PTO and DU magneto side □ Engine equipped with 12 volt gear drive starter and 1.5 AMP DC alternator.

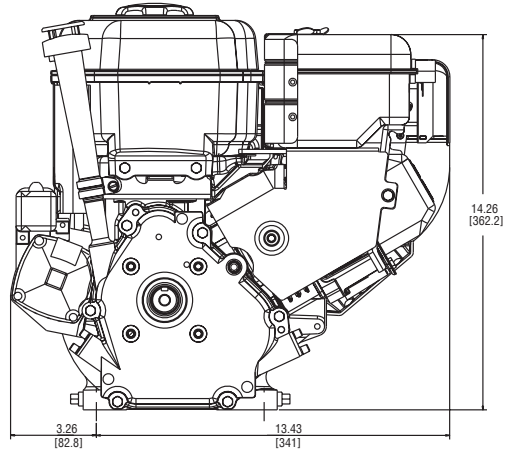
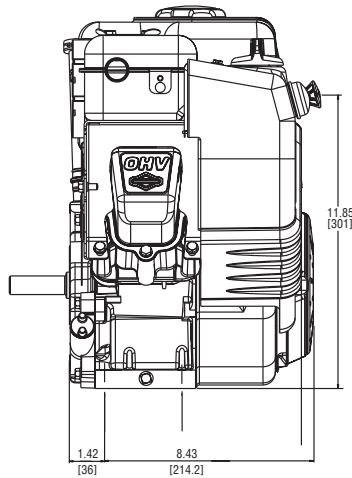
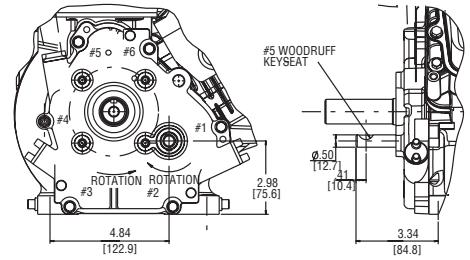
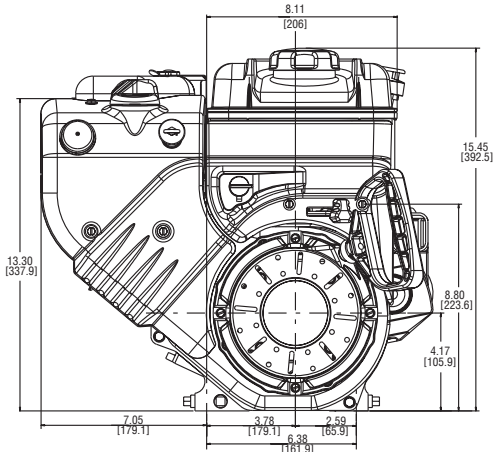
7.5 HP - Series 12D300 INTEK™ SNOW

Displacement 12.57 cu. in. (206 cc)
 Bore 2.69 in. (68.3 mm)
 Stroke 2.2 in. (55.8 mm)
 Oil Capacity 20 fl. oz. (0.60 l)



Features:

- Dura-Bore™ cast iron cylinder sleeve for extended life
- Maintenance-free Magnetron® electronic ignition for quick, dependable starts
- Overhead valve design (OHV) for cooler operation and longer valve life
- Freeze-resistant recoil starter with oversized mitt-grip rewind handle
- Easy-start primer is easy-to-find and use for fast, reliable cold weather starting
- Buyer protection package provides two-year consumer engine warranty



Model Type	Shipping Weight	Crankshaft	Crankshaft (P.T.O.) Extension	Dimension	Starter Position	Oil Filler & Drain	Governor	Controls	Manual Choke	Fuel Tank (Quarts)	Key Switch Stop	Flange Mtg.	Top Governor Speed	Notes
12D312														
0007	39	699445	3/4" dia., Keyway, tapped 5/16-24	2-27/64(c)	3	D	M	MF/R	X	4	X	X	3600	• ■
0009	40	699451	1" dia., Keyway, tapped 5/16-24	2-27/64(c)	3	D	M	MF/R	X	4	X	X	3600	• ■
12D313														
0017	49	699445	3/4" dia., Keyway, tapped 5/16-24	2-27/64(c)	3	D	M	R/AG/MF	X	4	X	X	3600	• □
0019	49	699451	1" dia., Keyway, tapped 5/16-24	2-27/64(c)	3	D	M	R/AG/MF	X	4	X	X	3600	• □
12D393														
0018	44	699445	3/4" dia., Keyway, tapped 5/16-24, 5/16-24 Aux. P.T.O. 1/2 dia.	2-27/64(c)	3	D	M	R/AG/MF	X	4			3600	• □

• DU magneto side □ 110 Volt Gear Drive Starter ■ Equipped to Receive 110 Volt Starter

7.5 HP - Series 138400 Vanguard™

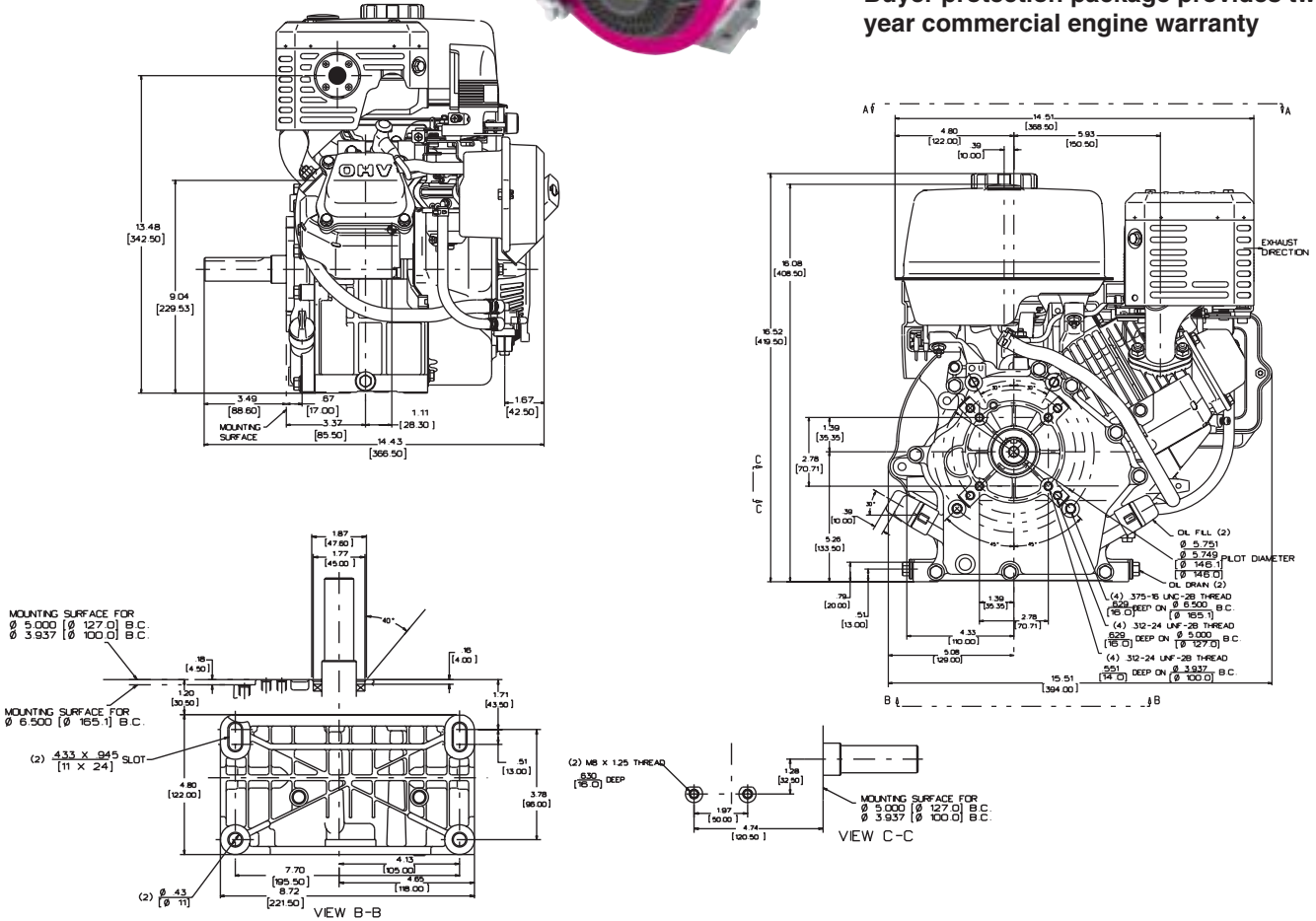


Displacement 13 cu. in. (215 cc)
Bore 2.83 in. (72 mm)
Stroke 2.05 in. (52 mm)
Oil Capacity 30.4 fl. oz. (0.9 l)



Features:

- Dura-Bore™ cast iron cylinder sleeve for extended life
- Maintenance-free Magnetron® electronic ignition for quick, dependable starts
- Dual-Clean™ air cleaner pleated paper filter with a foam pre-cleaner ensures maximum protection for extended engine life
- Oil Gard® low oil engine shutdown device
- Overhead valve design (OHV) for cooler operation and longer valve life
- Buyer protection package provides two-year commercial engine warranty



Model Type	Shipping Weight	Crankshaft	Crankshaft (P.T.O.) Extension	Dimension	Starter Position Bolt-On/Changeable	Governor	Controls	Flange Mtg	Manual Choke	Rocker Stop Switch	Oil Gard®	Fuel Tank (Quarts)	Top Governor Speed	Notes
138432														
0035	53	715426	1" dia., Keyway, tapped 7/16-20	2-29/32(c)	10:30	M	AG/R/MF	X	X	X	X	4.8	3600	•
0047	52	715499	3/4" dia., Keyway, tapped 5/16-24	2-27/64(c)	10:30	M	AG/R/MF	X	X	X	X	4.8	3600	•
138437														
0284	63	715426	1" dia., Keyway, tapped 7/16-20	2-29/32(c)	10:30	M	AG/R/MF	X	X	X	X	4.8	3600	•◆

• Ball bearing PTO, DU magneto side. ◆ Engine equipped with 12 Volt Gear Drive Starter and 10 Amp DC Alternator with Starter Panel Assembly.

8 HP - Series 150100 Power Built™ OHV

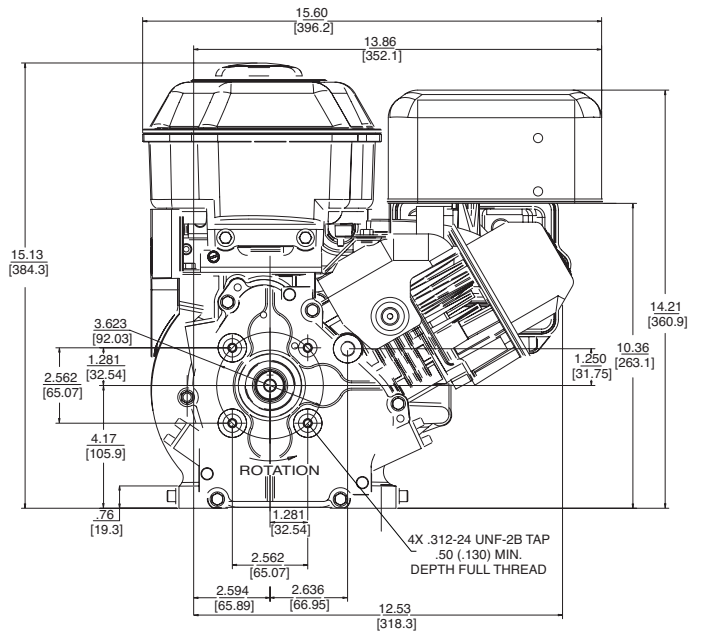
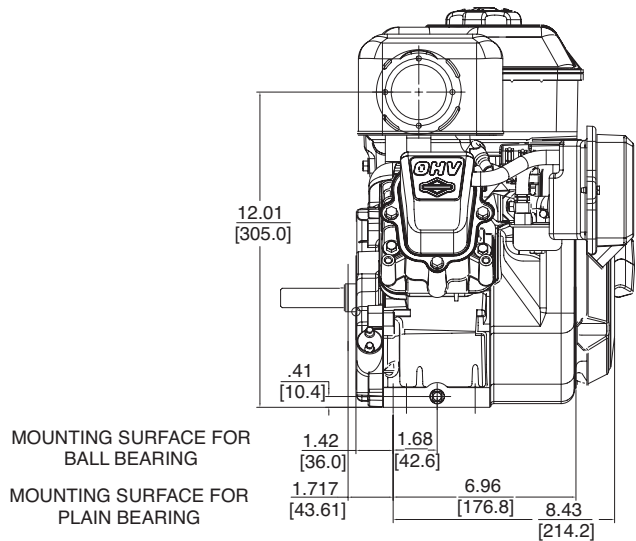


Displacement 18.64 cu. in. (305 cc)
Bore 2.97 in. (75.45 mm)
Stroke 2.20 in. (56.00 mm)
Oil Capacity 18.0 fl. oz. (0.5 l)



Features:

- Aluminum alloy bore for cooler operation
- Float carburetor for consistent easy starting
- Maintenance-free Magnetron® electronic ignition for quick, dependable starts
- Overhead valve design (OHV) for cooler operation and longer valve life
- Dual-Clean™ air cleaner pleated paper filter with a foam pre-cleaner ensures maximum protection for extended engine life
- Buyer protection package provides two-year commercial engine warranty



Model Type	Shipping Weight	Crankshaft	Crankshaft (P.T.O.) Extension	Dimension	Starter Position	Oil Filler & Drain	Governor	Controls	Manual Choke	Fuel Tank (Quarts)	Remote Stop Switch	Flange Mtg.	Top Governor Speed	Notes
150112														
0023		792208	3/4" dia., Keyway, tapped 3/8-24	2-5/16(a)	10:30	D	M	R/AG/MF	X	3	X	X	3800	
0060	40	792977	1" dia., Keyway, tapped 3/8-24	2-7/8(c)	10:30	D	M	R/AG/MF	X	3	X	X	3800	

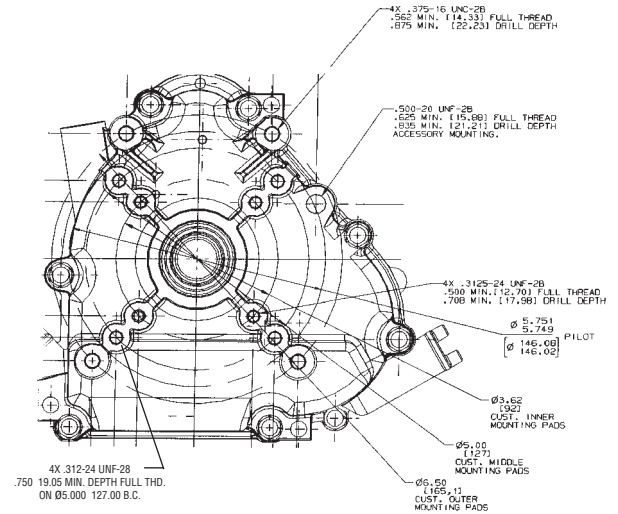
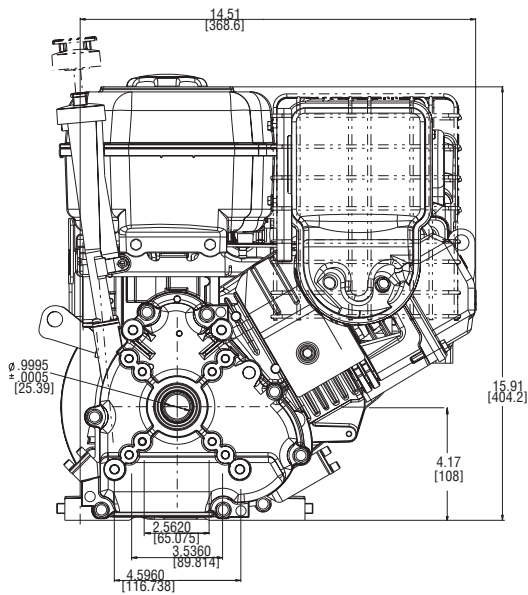
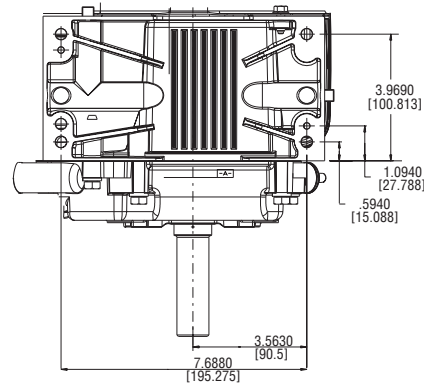
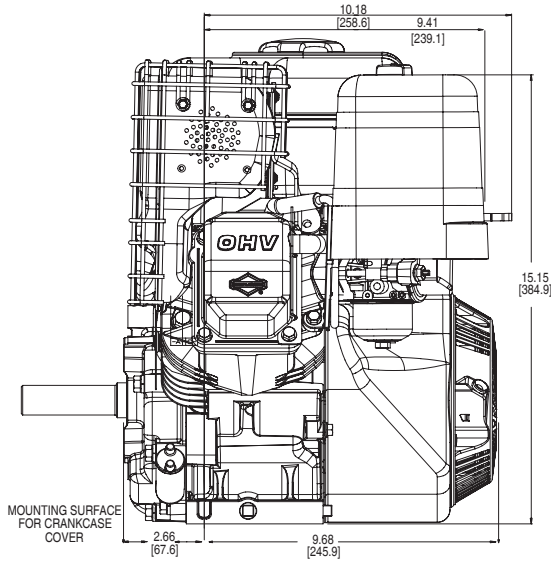
8 HP - Series 201400 Power Built™ OHV

Displacement 18.6 cu. in. (305 cc)
Bore 3.12 in. (79 mm)
Stroke 2.43 in. (61 mm)
Oil Capacity 28 fl. oz. (0.82 l)



Features:

- Aluminum alloy bore for cooler operation
- Lo-tone muffler for quiet operation
- Maintenance-free Magnetron® electronic ignition for quick, dependable starts
- Overhead valve design (OHV) for cooler operation and longer valve life
- Maxi-Clean™ automotive type pleated paper air filter superior protection for long engine life
- Buyer protection package provides two-year consumer engine warranty



To make the center line of crankshaft the same as 190000 Model Series, order 695154 spacer kit.

Model Type	Shipping Weight	Crankshaft	Crankshaft (P.T.O.) Extension	Dimension	Starter Position Bolt-On/Changeable	Governor	Controls	Flange Mtg.	Manual Choke	Rocker Stop Switch	Fuel Tank (Quarts)	Top Governor Speed	Notes
201432													
0036	61	695462	1" dia., Keyway, tapped 7/16-20	3-21/32(c)	10:30	M	AG/R/MF	X	X	X	4	3600	•

• Ball bearing PTO

8 HP - Series 202400

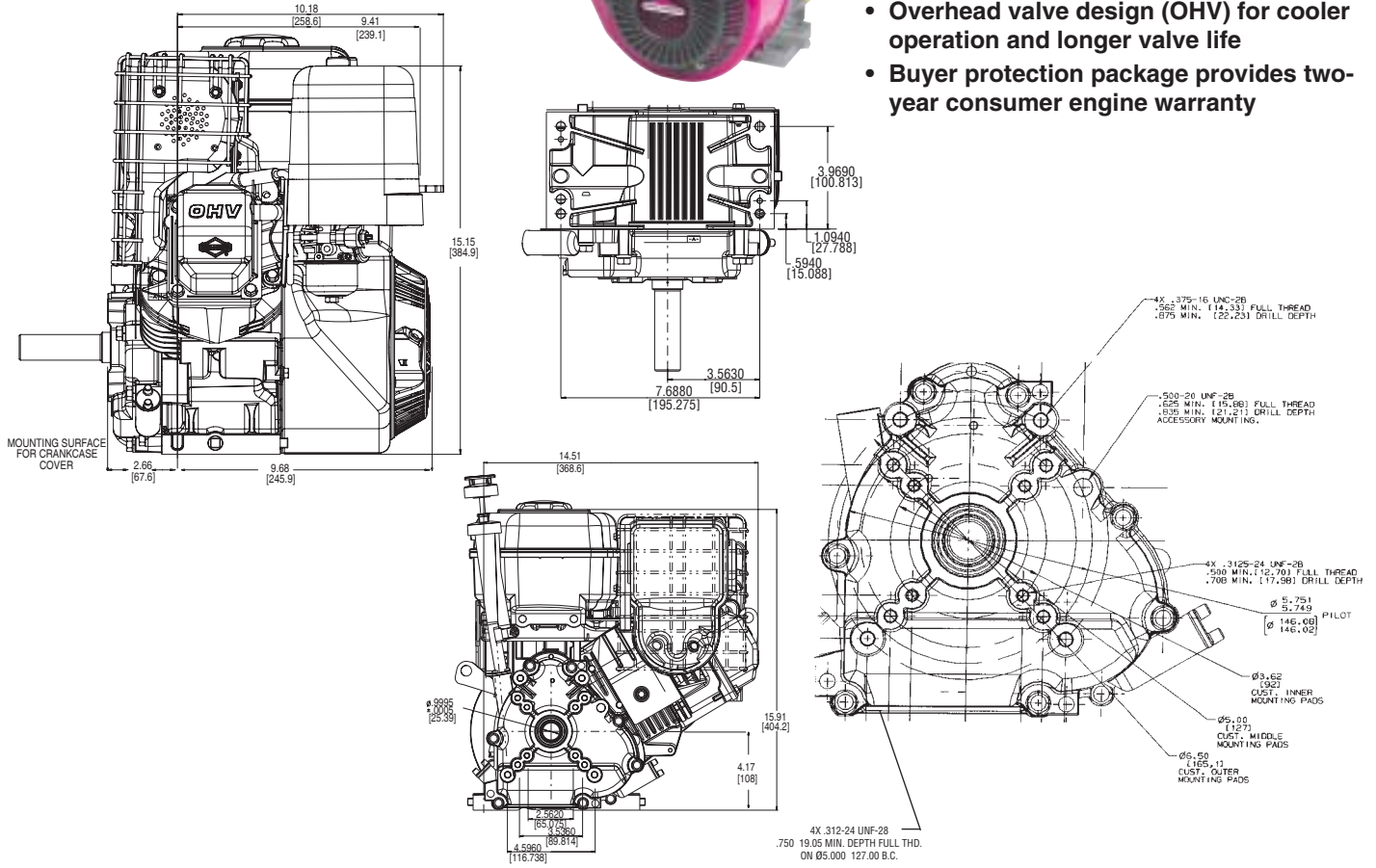
INTEK™ I/C®

Displacement 18.6 cu. in. (305 cc)
 Bore 3.12 in. (79 mm)
 Stroke 2.43 in. (61 mm)
 Oil Capacity 28 fl. oz. (0.82 l)



Features:

- Dura-Bore™ cast iron cylinder sleeve for extended life
- Maintenance-free Magnetron® electronic ignition for quick, dependable starts
- Dual-Clean™ air cleaner pleated paper filter with a foam pre-cleaner ensures maximum protection for extended engine life
- Overhead valve design (OHV) for cooler operation and longer valve life
- Buyer protection package provides two-year consumer engine warranty



To make the center line of crankshaft the same as 190000 Model Series, order 695154 spacer kit.

Model Type	Shipping Weight	Crankshaft	Crankshaft (P.T.O.) Extension	Dimension	Starter Position	Governor	Controls	Flange Mtg.	Manual Choke	Remote Stop Switch	Fuel Tank (Quarts)	Top Governor Speed	Notes
202432													
0035	51	695818	Threaded 1-14, 1" tapped length	3-21/32(c)	10:30	M	AG/R/MF	X	X	X	4	3600	•
0036	52	695369	1" dia., Keyway, tapped 3/8-24	2-29/32(c)	10:30	M	AG/R/MF	X	X	X	4	3600	•
0063	65	696412	3/4" dia., 3/16 Keyway, tapped 3/8-24	2-21/32(c)	10:30	M	AG/R/MF	X	X	X	4	3600	•
202437													
0033	69	696412	3/4" dia., 3/16 Keyway, tapped 3/8-24	2-21/32(c)	10:30	M	AG/R/MF	X	X	X	4	3600	•■
0041	60	695369	1" dia., Keyway, tapped 3/8-24	2-29/32(c)	10:30	M	AG/R/MF	X	X	X	4	3600	•◆
202452													
0049	65	695817	6 to 1 gear reduction ccw rotation gear shaft, 1" dia Keyway	2-29/32(a)	10:30	M	AG/R/MF	X	X	X	4	3600	

• Ball bearing PTO ◆ Engine equipped with 12 Volt Gear Drive Starter and 10 Amp DC Alternator with Starter Panel Assembly.
 ■ Engine equipped with 12 Volt Gear Drive Starter and 3 Amp DC Alternator.

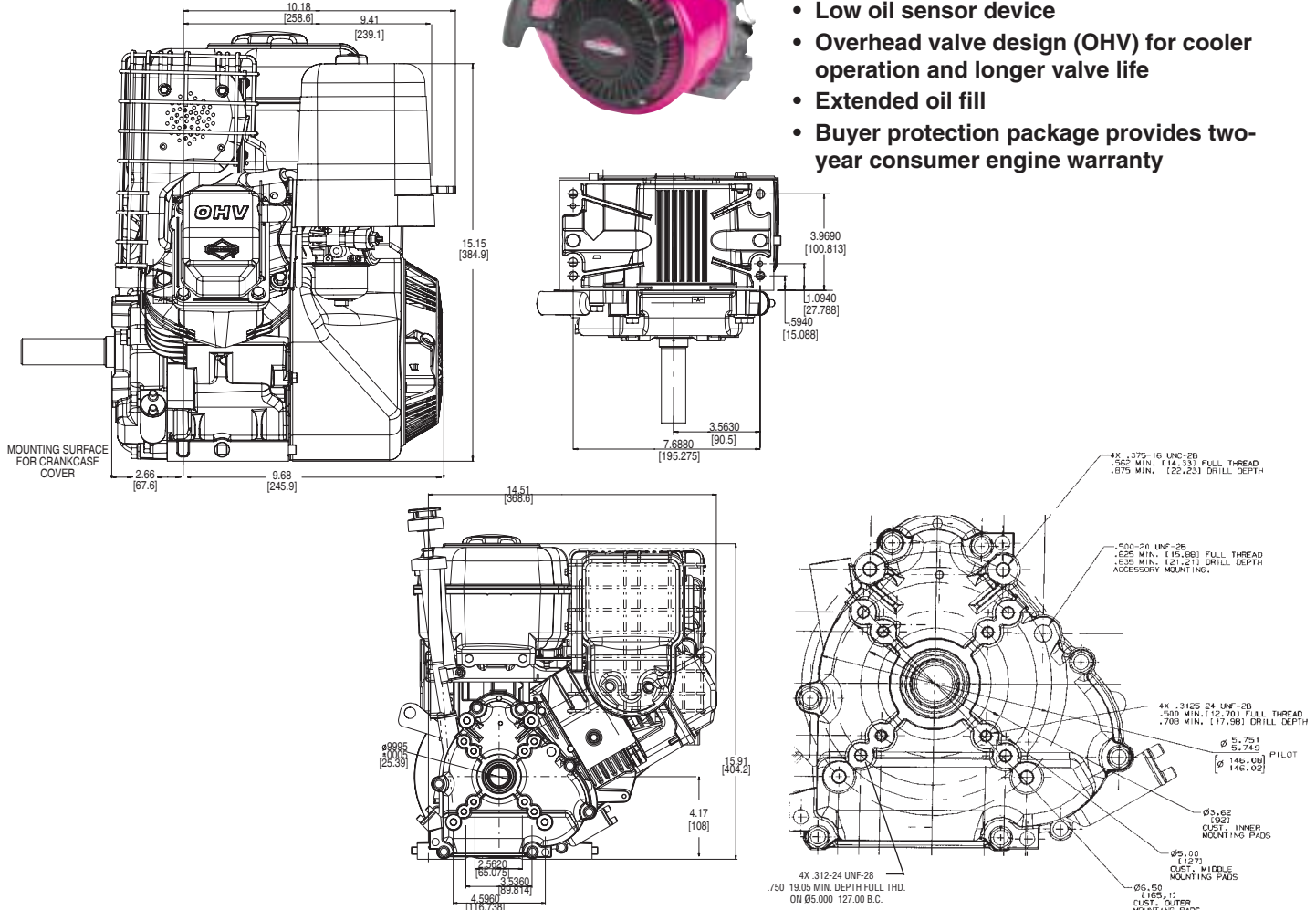
8 HP - Series 203400 INTEK™ PRO®

Displacement 18.6 cu. in. (305 cc)
Bore 3.12 in. (79 mm)
Stroke 2.43 in. (61 mm)
Oil Capacity 28 fl. oz. (0.82 l)



Features:

- Dura-Bore™ cast iron cylinder sleeve for extended life
- Maintenance-free Magnetron® electronic ignition for quick, dependable starts
- Dual-Clean™ air cleaner pleated paper filter with a foam pre-cleaner ensures maximum protection for extended engine life
- Low oil sensor device
- Overhead valve design (OHV) for cooler operation and longer valve life
- Extended oil fill
- Buyer protection package provides two-year consumer engine warranty



To make the center line of crankshaft the same as 190000 Model Series, order 695154 spacer kit.

Model Type	Shipping Weight	Crankshaft	Crankshaft (P.T.O.) Extension	Dimension	Starter Position Bolt-On/Changeable	Governor	Controls	Flange Mtg.	Manual Choke	Remote Stop Switch	Oil Gard®	Fuel Tank (Quarts)	Top Governor Speed	Notes
203432														
0035	53	695818	Threaded 1-14, 1" tapped length	3-21/32(c)	10:30	M	AG/R/MF	X	X	X	X	4	3600	•
0036	54	695462	1" dia., Keyway, tapped 7/16-20	3-21/32(c)	10:30	M	AG/R/MF	X	X	X		4	3600	•
203437														
0041	62	695462	1" dia., Keyway, tapped 7/16-20	3-21/32(c)	10:30	M	AG/R/MF	X	X	X	X	4	3600	•◆
203452														
0049	70	695817	6 to 1 gear reduction ccw rotation gear shaft, 1" dia Keyway	2-29/32(a)	10:30	M	AG/R/MF	X	X	X	X	4	3600	

• Ball bearing PTO, DU magneto side. ◆ Engine equipped with 12 Volt Gear Drive Starter and 10 Amp DC Alternator with Starter Panel Assembly.

8.5 HP - Series 15A100 Power Built™ OHV Snow

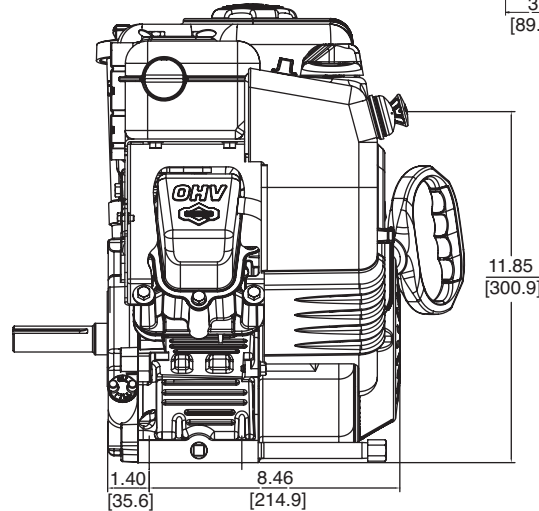
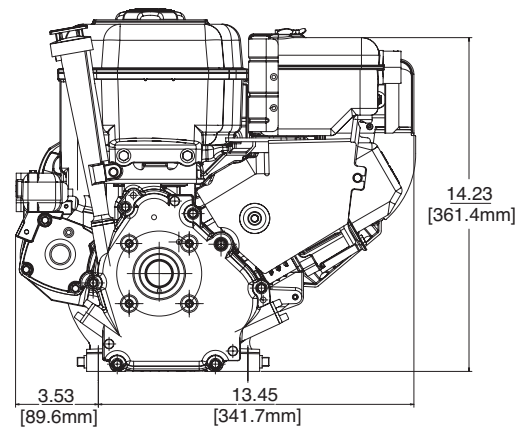
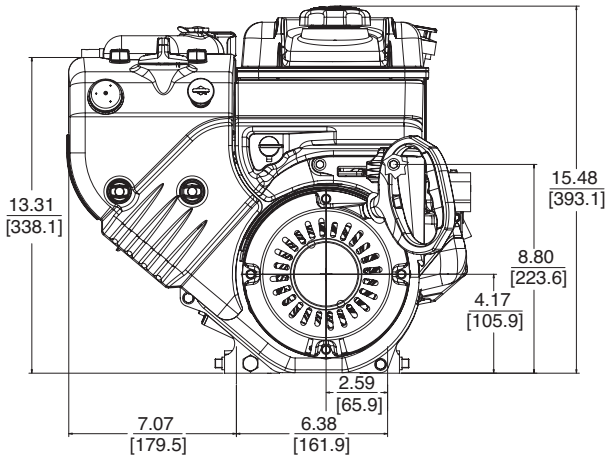


Displacement 18.64 cu. in. (305 cc)
 Bore 2.97 in. (75.45 mm)
 Stroke 2.20 in. (56.00 mm)
 Oil Capacity 18.0 fl. oz. (0.5 l)



Features:

- Aluminum alloy bore for cooler operation
- Float carburetor for consistent easy starting
- Maintenance-free Magnetron® electronic ignition for quick, dependable starts
- Overhead valve design (OHV) for cooler operation and longer valve life
- Freeze resistant recoil starter with over-size mitt grip rewind handle
- Easy-start primer is easy-to-find and use for fast, reliable cold weather starting
- Buyer protection package provides two-year consumer engine warranty



Model Type	Shipping Weight	Crankshaft	Crankshaft (P.T.O.) Extension	Dimension	Starter Position	Oil Filler & Drain	Governor	Controls	Manual Choke	Fuel Tank (Quarts)	Remote Stop Switch	Flange Mtg.	Top Governor Speed	Notes
15A112														
0006	39	792208	3/4" dia., Keyway, tapped 3/8-24	2-27/64(c)	3:00	D	M	FC	X	3	X	X	3600	
0007	40	791721	3/4" dia., Keyway, tapped 3/8-24	4-27/64(c)	3:00	D	M	FC	X	3	X	X	3600	

8.5 HP - Series 15B100 INTEK™ OHV Snow

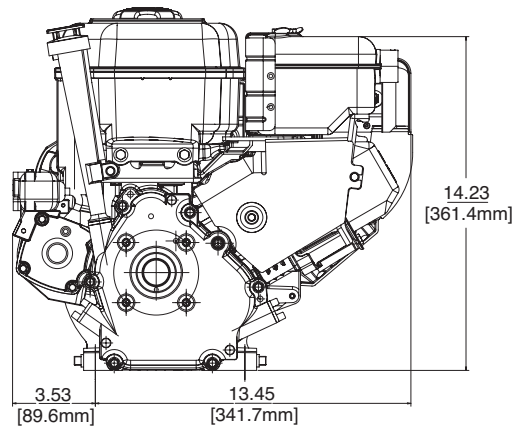
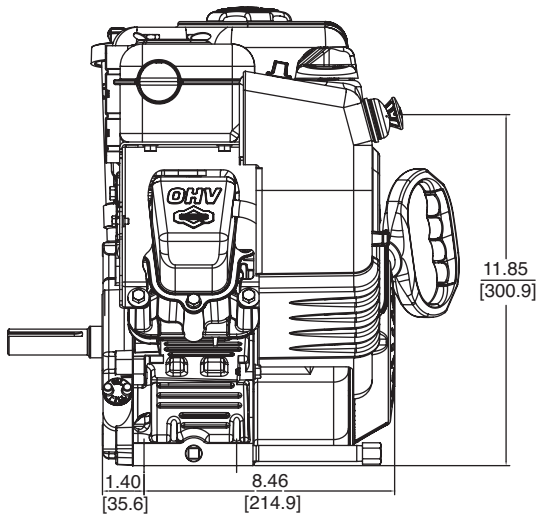
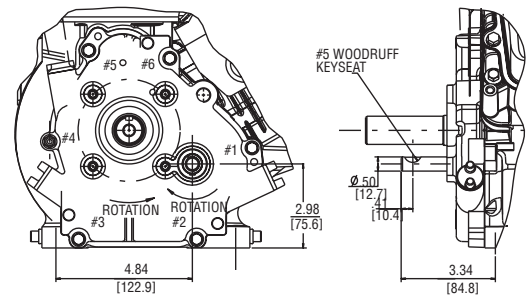
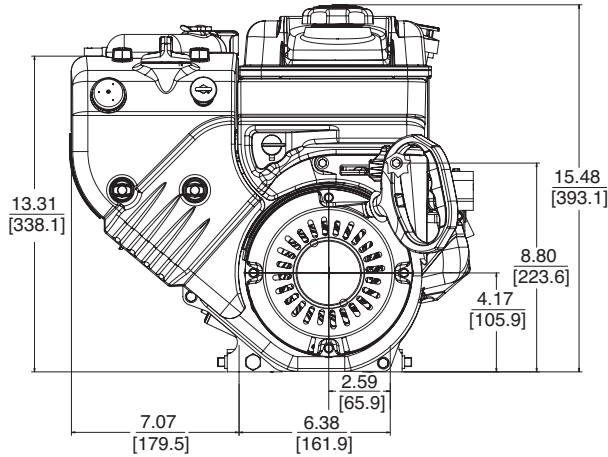


Displacement 18.64 cu. in. (305 cc)
 Bore 2.97 in. (75.45 mm)
 Stroke 2.20 in. (56.00 mm)
 Oil Capacity 18.0 fl. oz. (.5 l)



Features:

- Aluminum alloy bore for cooler operation
- Super lo-tone muffler for quiet operation
- Float carburetor for consistent easy starting
- Maintenance-free Magnetron® electronic ignition for quick, dependable starts
- Overhead valve design (OHV) for cooler operation and longer valve life
- Freeze-resistant recoil starter with oversized mitt-grip rewind handle
- Easy-start primer is easy-to-find and use for fast, reliable cold weather starting
- Buyer protection package provides two-year consumer engine warranty



Model Type	Shipping Weight	Crankshaft	Crankshaft (P.T.O.) Extension	Dimension	Starter Position	Oil Filter & Drain	Governor	Controls	Manual Choke	Fuel Tank (Quarts)	Remote Stop Switch	Flange Mtg.	Top Governor Speed	Notes
15B194														
0018	39	792208	3/4" dia., Keyway, tapped 5/16-24 Aux P.T.O. 1/2 dia.	2-27/64(c)	3:00	D	M	MF	X	4	X	X	3600	☐

☐ Engine equipped with 110 volt gear drive starter and 9 AMP DC alternator.

9 HP - Series 185400 Vanguard™

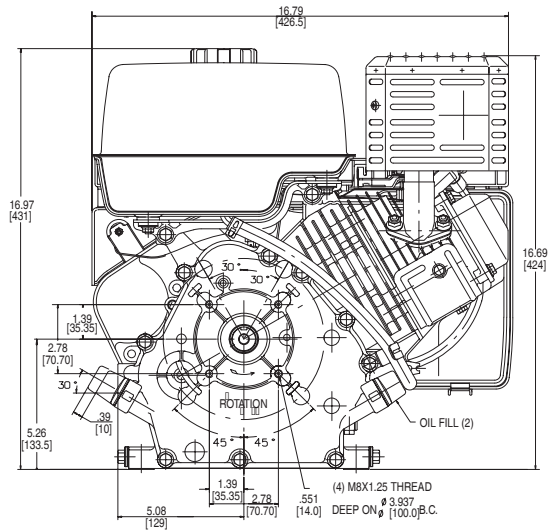
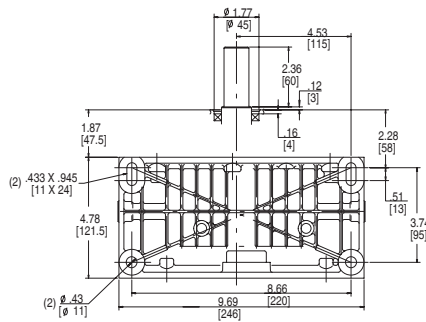
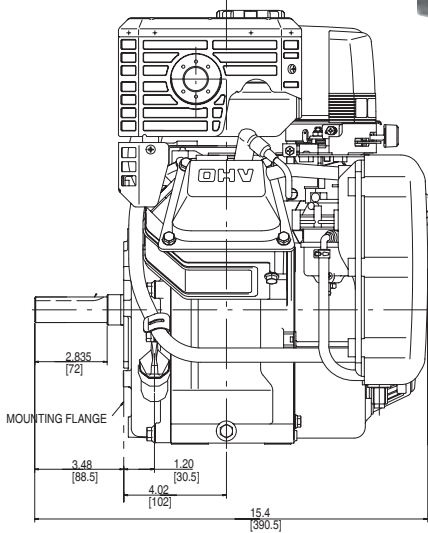


Displacement 18 cu. in. (296 cc)
Bore 3.15 in. (80 mm)
Stroke 2.32 in. (59 mm)
Oil Capacity 32 fl. oz. (.95 l)



Features:

- Dura-Bore™ cast iron cylinder sleeve for extended life
- Maintenance-free Magnetron® electronic ignition for quick, dependable starts
- Dual-Clean™ air cleaner pleated paper filter with a foam pre-cleaner ensures maximum protection for extended engine life
- Oil Gard® low oil engine shutdown device
- Overhead valve design (OHV) for cooler operation and longer valve life
- Buyer protection package provides two-year commercial engine warranty



Model Type	Shipping Weight	Crankshaft	Crankshaft (P.T.O.) Extension	Dimension	Starter Position Bolt-On/Changeable	Governor	Controls	Flange Mtg.	Manual Choke	Rocker Stop Switch	Oil Gard®	Fuel Tank (Quarts)	Top Governor Speed	Notes
185432														
0235	63	715098	1" dia., Keyway, tapped 7/16-20	2-29/32(c)	10:30	M	AG/R/MF	X	X	X	X	8.3	3600	•
0246	62	715098	1" dia., Keyway, tapped 7/16-20	2-29/32(c)	10:30	M	AG/R/MF	X	X	X	X	8.3	3600	•■
0247	63	715100	Threaded 1-14, 1" tapped length	3-21/32(c)	10:30	M	AG/R/MF	X	X	X	X	8.3	3600	•
0270	68	715101	Tapered, tapped 5/16-24	4-11/32(c)	10:30	M	AG	X	X	X	X	8.3	3750	•
185437														
0284	71	715098	1" dia., Keyway, tapped 7/16-20	2-29/32(c)	10:30	M	AG/R/MF	X	X	X	X	8.3	3600	•◆

• Ball bearing PTO and magneto side. ■ Small high mount air cleaner
◆ Engine equipped with 12 Volt Gear Drive Starter and 10 Amp DC Alternator with Starter Panel Assembly.

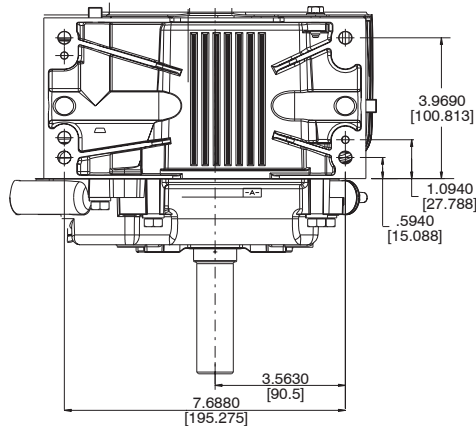
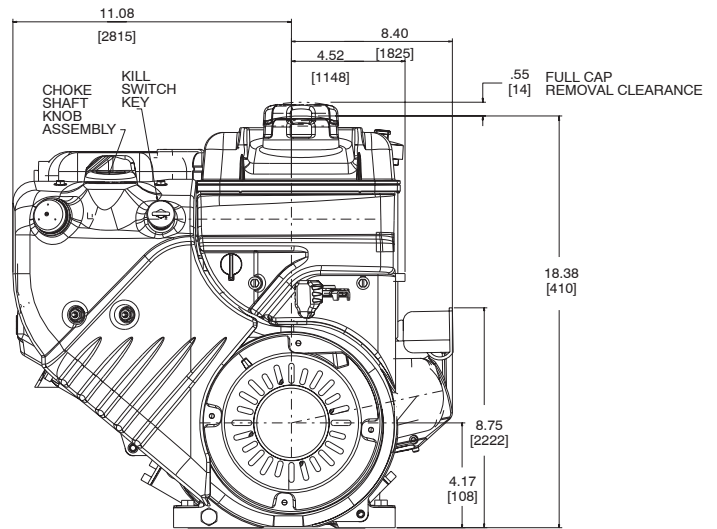
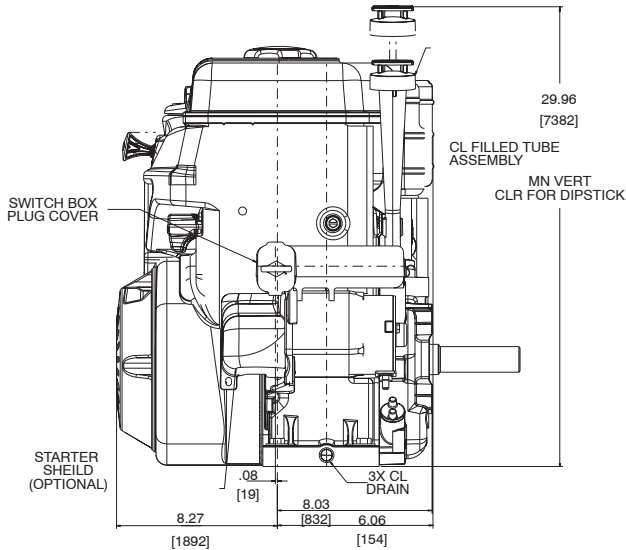
9 HP - Series 20A400 INTEK™ SNOW

Displacement 18.6 cu. in. (305 cc)
 Bore 3.12 in. (79.0 mm)
 Stroke 2.43 in. (61.0 mm)
 Oil Capacity 28 fl. oz. (0.82 l)



Features:

- Aluminum alloy bore for cooler operation
- Maintenance-free Magnetron® electronic ignition for quick, dependable starts
- Overhead valve design (OHV) for cooler operation and longer valve life
- Freeze-resistant recoil starter with oversized mitt-grip rewind handle
- Easy-start primer is easy-to-find and use for fast, reliable cold weather starting



Model Type	Shipping Weight	Crankshaft	Crankshaft (P.T.O.) Extension	Dimension	Starter Position	Oil Filler & Drain	Governor	Controls	Manual Choke	Fuel Tank (Quarts)	Key Switch Stop	Flange Mtg.	Top Governor Speed	Notes
20A412														
0007	67	695462	1" dia., Keyway, tapped 7/16-20	3-21/32(c)	3	D	M	MF/R	X	4	X	X	3600	•
0009	66	695369	1" dia., Keyway, tapped 3/8-24	2-29/32(c)	3	D	M	MF/R	X	4	X	X	3600	•

• Equipped to Receive 110 Volt Gear Drive Starter

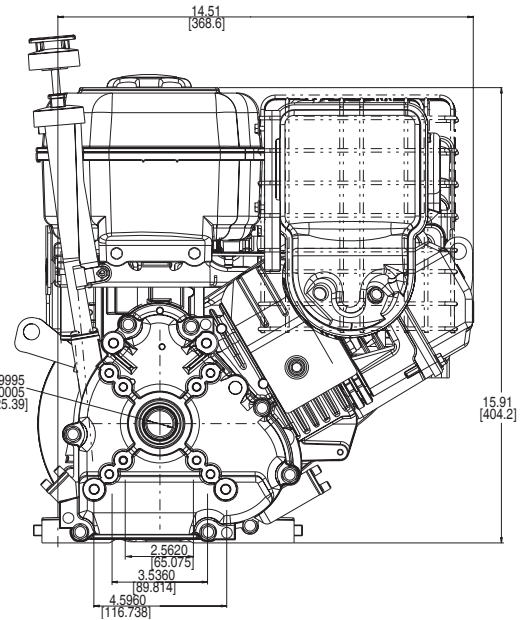
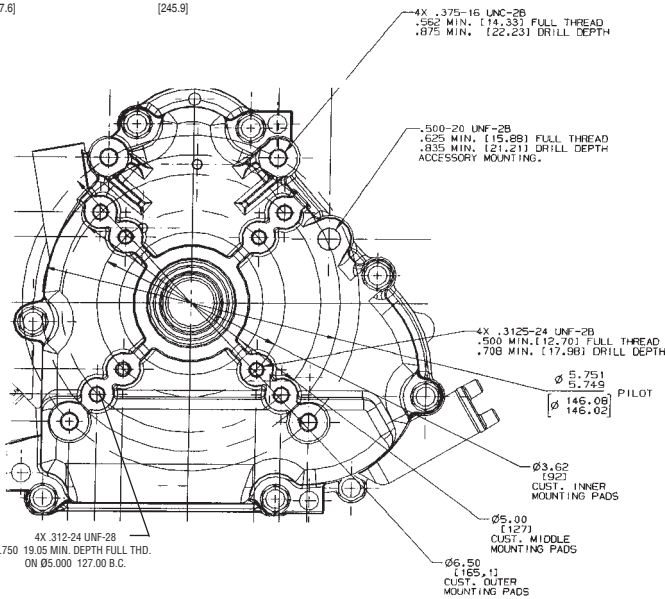
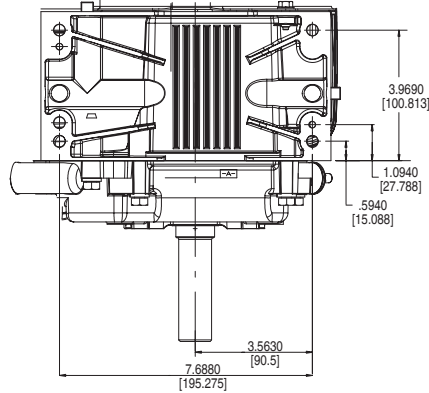
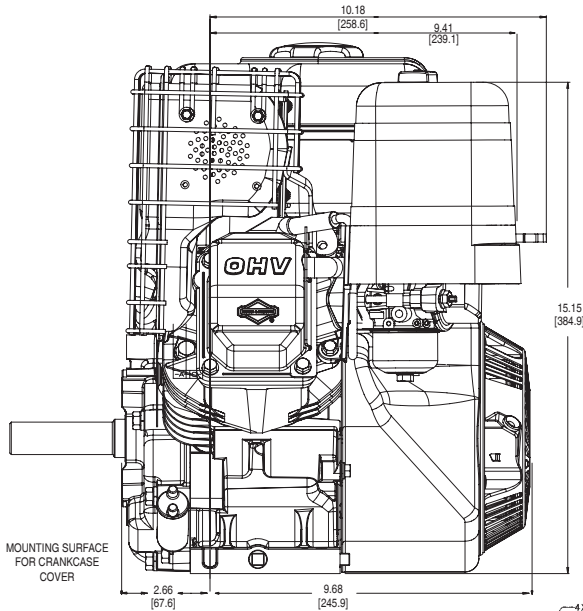
10 HP - Series 204400 Power Built™ OHV

Displacement 18.6 cu. in. (305 cc)
Bore 3.12 in. (79 mm)
Stroke 2.43 in. (61 mm)
Oil Capacity 28 fl. oz. (0.82 l)



Features:

- Aluminum alloy bore for cooler operation
- Maintenance-free Magnetron® electronic ignition for quick, dependable starts
- Overhead valve design (OHV) for cooler operation and longer valve life
- Maxi-Clean™ automotive-type pleated paper air filter provides superior protection for long engine life
- Buyer protection package provides two-year consumer engine warranty



To make the center line of crankshaft the same as 190000 and 250000 Model Series, order 695154 spacer kit.

Model Type	Shipping Weight	Crankshaft	Crankshaft (P.T.O.) Extension	Dimension	Starter Position Bolt-On/Changeable	Governor	Controls	Flange Mtg.	Manual Choke	Remote Stop Switch	Fuel Tank (Quarts)	Top Governor Speed	Notes
204432													
0036	52	695462	1" dia., Keyway, tapped 7/16-20	3-21/32(c)	10:30	M	AG/R/MF	X	X	X	4	3600	•

• Ball bearing PTO

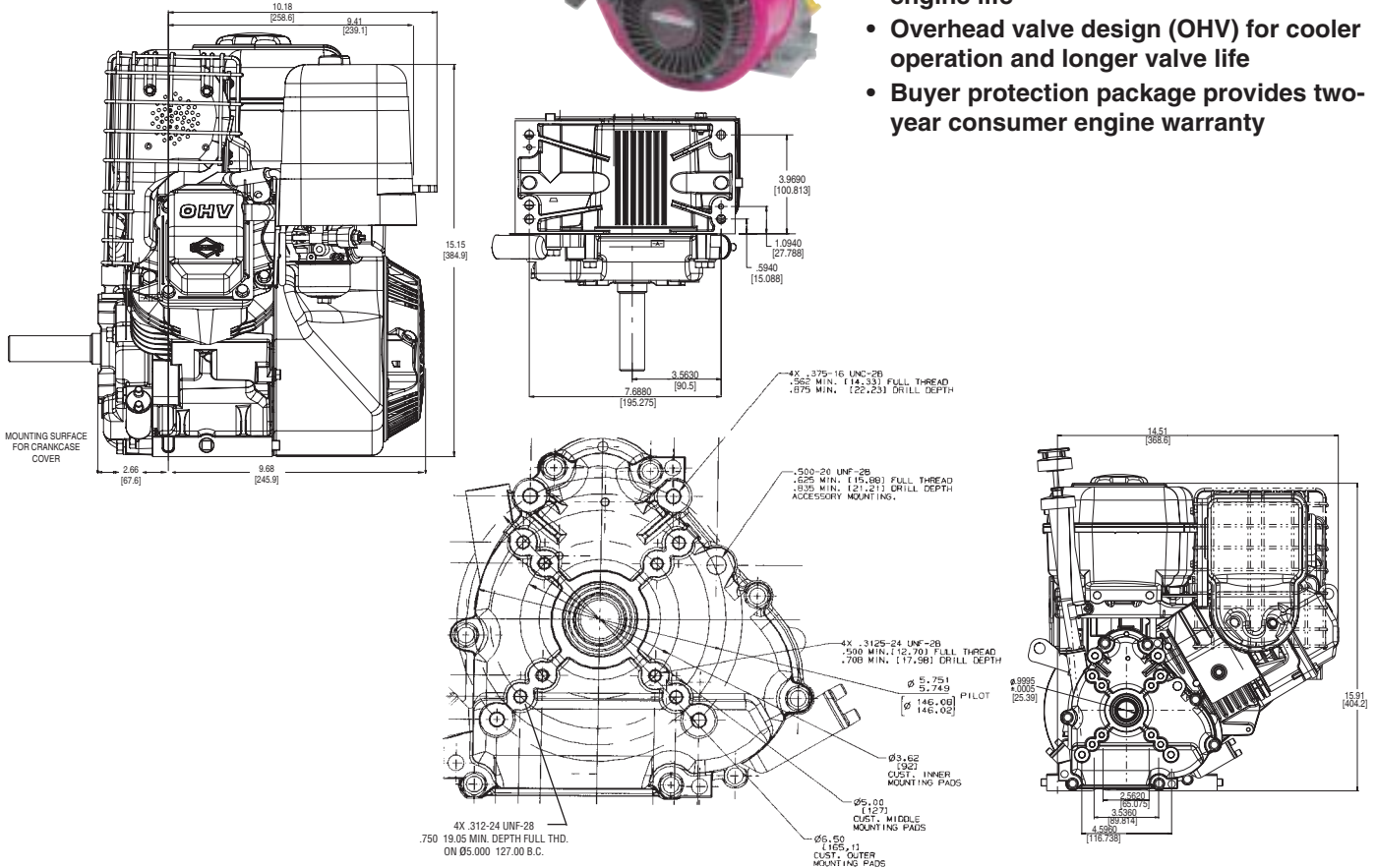
10 HP - Series 205400 INTEK™ I/C®

Displacement 18.6 cu. in. (305 cc)
Bore 3.12 in. (79 mm)
Stroke 2.43 in. (61 mm)
Oil Capacity 28 fl. oz. (0.82 l)



Features:

- Dura-Bore™ cast iron cylinder sleeve for extended life
- Maintenance-free Magnetron® electronic ignition for quick, dependable starts
- Dual-Clean™ air cleaner pleated paper filter with a foam pre-cleaner ensures maximum protection for extended engine life
- Overhead valve design (OHV) for cooler operation and longer valve life
- Buyer protection package provides two-year consumer engine warranty



To make the center line of crankshaft the same as 190000 and 250000 Model Series, order 695154 spacer kit.

Model Type	Shipping Weight	Crankshaft	Crankshaft (P.T.O.) Extension	Dimension	Starter Position Bolt-On/Changeable	Governor	Controls	Flange Mtg.	Manual Choke	Remote Stop Switch	Fuel Tank (Quarts)	Top Governor Speed	Notes
205432													
0035	52	695818	Threaded 1-14, 1" tapped length	3-21/32(c)	10:30	M	AG/R/MF	X	X	X	4	3600	•
0036	52	695369	1" dia., Keyway, tapped 3/8-24	2-29/32(c)	10:30	M	AG/R/MF	X	X	X	4	3600	•
0038	63	694678	Tapered, tapped 5/16-24	4-11/32(c)	10:30	M	AG/R/MF	X	X	X	4	3750	•
205437													
0041	71	695369	1" dia., Keyway, tapped 3/8-24	2-29/32(c)	10:30	M	AG/R/MF	X	X	X	4	3600	•◆
205452													
0049	65	695817	6 to 1 gear reduction ccw rotation gear shaft, 1" dia Keyway	2-29/32(a)	10:30	M	AG/R/MF		X	X	4	3600	
205457													
0050	84	695817	6 to 1 gear reduction ccw rotation gear shaft, 1" dia Keyway	2-29/32(a)	10:30	M	AG/R/MF		X	X	4	3600	◆

• Ball bearing PTO ◆ Engine equipped with 12 Volt Gear Drive Starter and 10 Amp DC Alternator with Starter Panel Assembly.

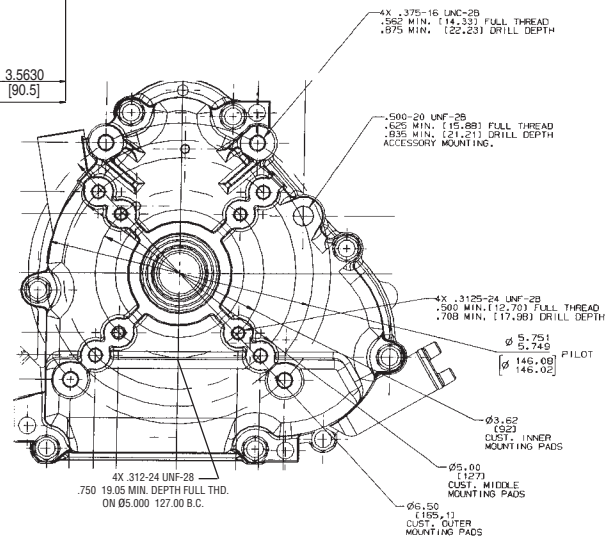
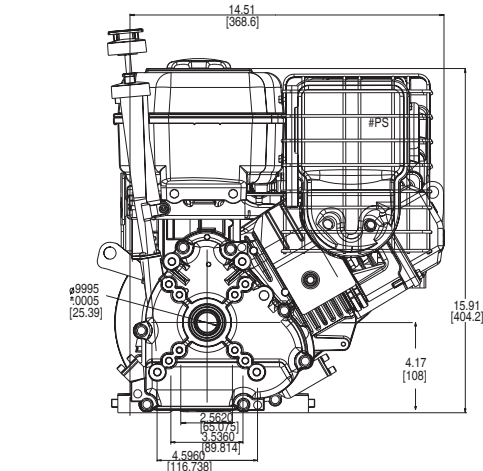
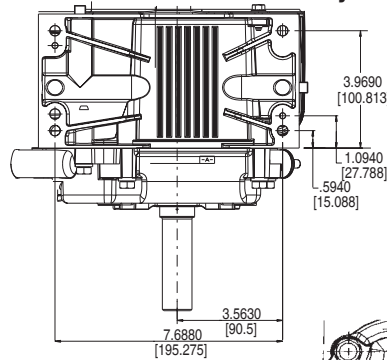
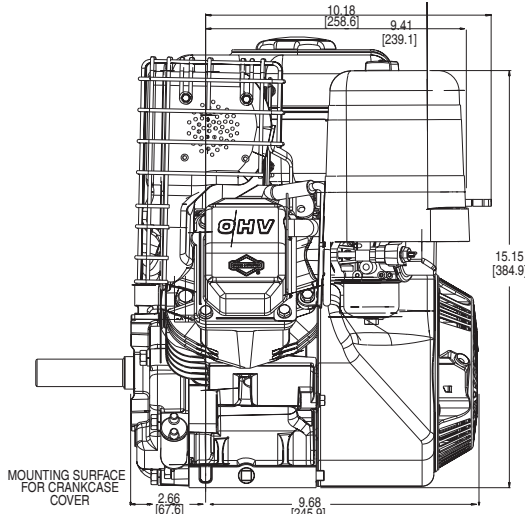
10 HP - Series 206400 INTEK™ PRO

Displacement 18.6 cu. in. (305 cc)
Bore 3.12 in. (79 mm)
Stroke 2.43 in. (61 mm)
Oil Capacity 28 fl. oz. (0.82 l)



Features:

- Dura-Bore™ cast iron cylinder sleeve for extended life
- Maintenance-free Magnetron® electronic ignition for quick, dependable starts
- Dual-Clean™ air cleaner pleated paper filter with a foam pre-cleaner ensures maximum protection for extended engine life
- Low oil sensor device
- Overhead valve design (OHV) for cooler operation and longer valve life
- Extended oil fill
- Buyer protection package provides two-year consumer engine warranty



To make the center line of crankshaft the same as 190000 and 250000 Model Series, order 695154 spacer kit.

Model Type	Shipping Weight	Crankshaft	Crankshaft (P.T.O.) Extension	Dimension	Starter Position Bolt-On/Changeable	Governor	Controls	Flange Mtg.	Manual Choke	Remote Stop Switch	Low Oil Sensor	Fuel Tank (Quarts)	Top Governor Speed	Notes
206432														
0035	54	695818	Threaded 1-14, 1" tapped length	3-21/32(c)	10:30	M	AG/R/MF	X	X	X	X	4	3600	•
0036	54	695462	1" dia., Keyway, tapped 7/16-20	3-21/32(c)	10:30	M	AG/R/MF	X	X	X	X	4	3600	•
206437														
0041	75	695462	1" dia., Keyway, tapped 7/16-20	3-21/32(c)	10:30	M	AG/R/MF	X	X	X	X	4	3600	•◆
206452														
0049	67	695817	6 to 1 gear reduction ccw rotation gear shaft, 1" dia Keyway	2-29/32(a)	10:30	M	AG/R/MF		X	X	X	4	3600	

• Ball bearing PTO, DU magneto side. ◆ Engine equipped with 12 Volt Gear Drive Starter and 10 Amp DC Alternator with Starter Panel Assembly.

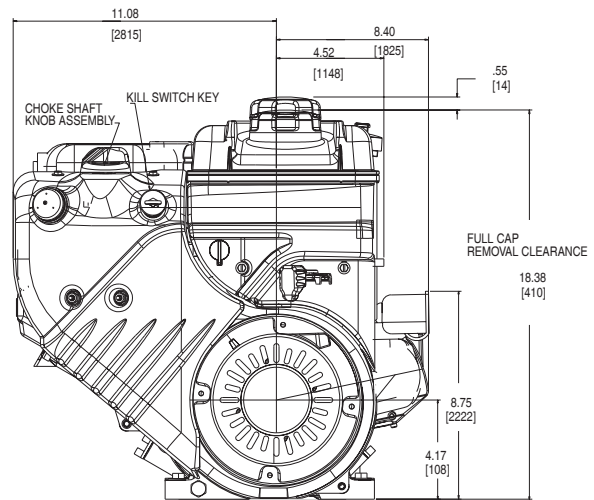
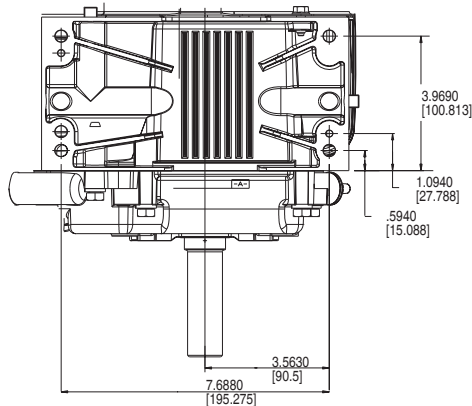
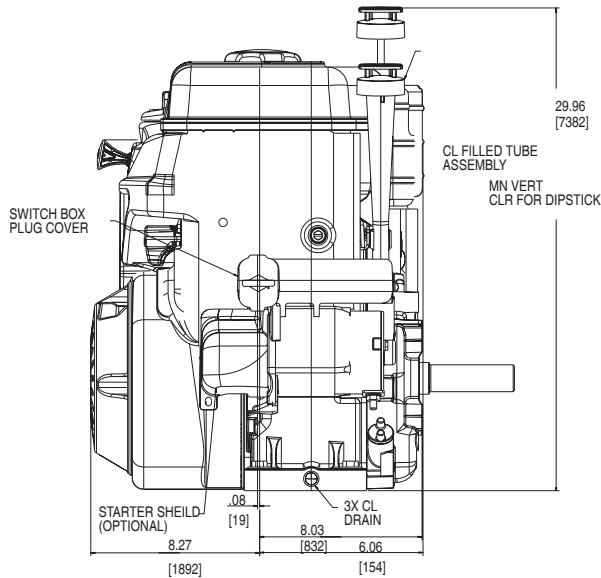
10 HP - Series 20D400 INTEK™ SNOW

Displacement 18.6 cu. in. (305 cc)
Bore 3.12 in. (79 mm)
Stroke 2.43 in. (61 mm)
Oil Capacity 28 fl. oz. (0.82 l)



Features:

- Dura-Bore™ cast iron cylinder sleeve for extended life
- Maintenance-free Magnetron® electronic ignition for quick, dependable starts
- Overhead valve design (OHV) for cooler operation and longer valve life
- Freeze-resistant recoil starter with oversized mitt-grip rewind handle
- Easy-start primer is easy-to-find and use for fast, reliable cold weather starting
- Buyer protection package provides two-year consumer engine warranty



Model Type	Shipping Weight	Crankshaft	Crankshaft (P.T.O.) Extension	Dimension	Starter Position	Oil Filler & Drain	Governor	Controls	Manual Choke	Fuel Tank (Quarts)	Key Switch Stop	Flange Mtg.	Top Governor Speed	Notes
20D414														
0017	74	695818	1" dia., Keyway, tapped 7/16-20	3-21/32(c)	3	D	M	MF/R	X	4	X	X	3600	• □
0019	73	695369	1" dia., Keyway, tapped 3/8-24	2-29/32(c)	3	D	M	MF/R	X	4	X	X	3600	• □

• DU magneto side □ 110 Volt Gear Drive Starter with Dual Circuit Alternator (3 Amp DC - 14 Volts AC)

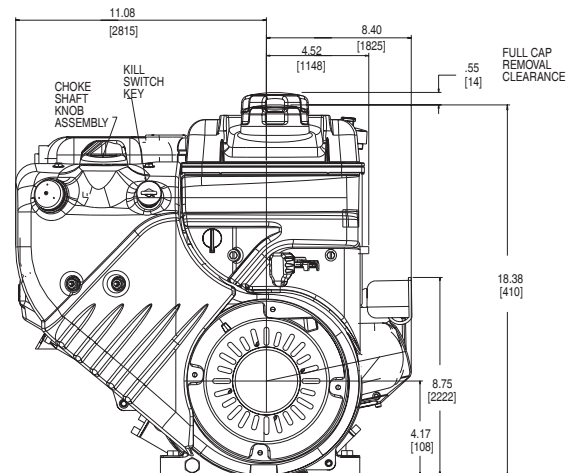
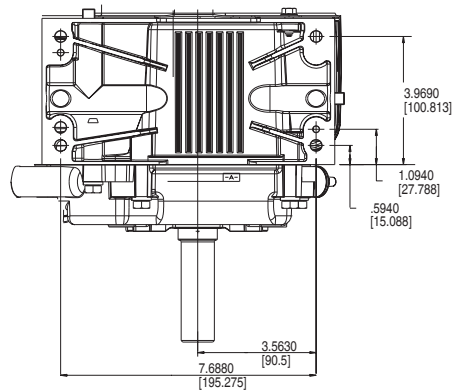
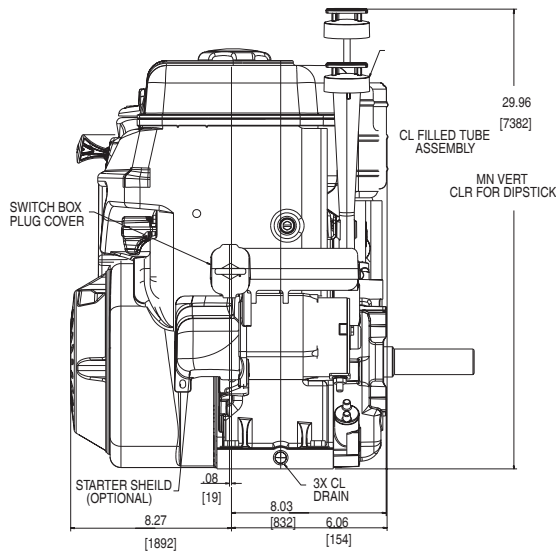
11 HP - Series 20F400 INTEK™ SNOW

Displacement 18.6 cu. in. (305 cc)
 Bore 3.12 in. (79 mm)
 Stroke 2.43 in. (61 mm)
 Oil Capacity 28 fl. oz. (0.82 l)



Features:

- Dura-Bore™ cast iron cylinder sleeve for extended life
- Maintenance-free Magnetron® electronic ignition for quick, dependable starts
- Overhead valve design (OHV) for cooler operation and longer valve life
- Freeze-resistant recoil starter with oversized mitt-grip rewind handle
- Easy-start primer is easy-to-find and use for fast, reliable cold weather starting
- Buyer protection package provides two-year consumer engine warranty



Model Type	Shipping Weight	Crankshaft	Crankshaft (P.T.O.) Extension	Dimension	Starter Position	Oil Filler & Drain	Governor	Controls	Manual Choke	Fuel Tank (Quarts)	Key Switch Stop	Flange Mtg.	Top Governor Speed	Notes
20F414														
0017	74	695462	1" dia., Keyway, tapped 7/16-20	3-21/32(c)	3	D	M	MF/R	X	4	X	X	3600	• □
0019	74	695369	1" dia., Keyway, tapped 3/8-24	2-29/32(c)	3	D	M	MF/R	X	4	X	X	3600	• □

• DU magneto side □ 110 Volt Gear Drive Starter with Dual Circuit (3 Amp DC - 14 Volts AC)

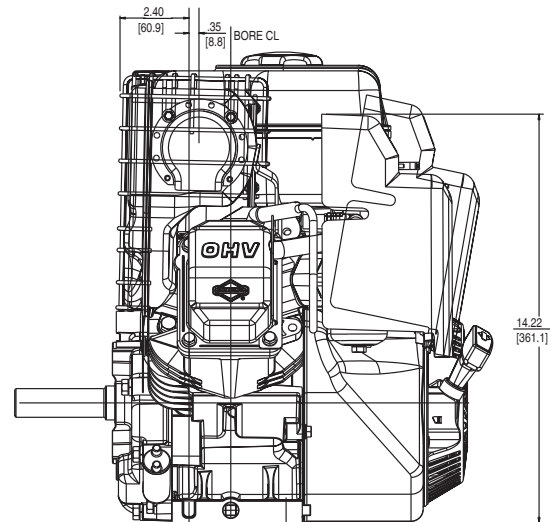
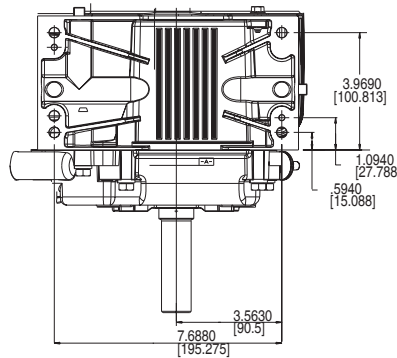
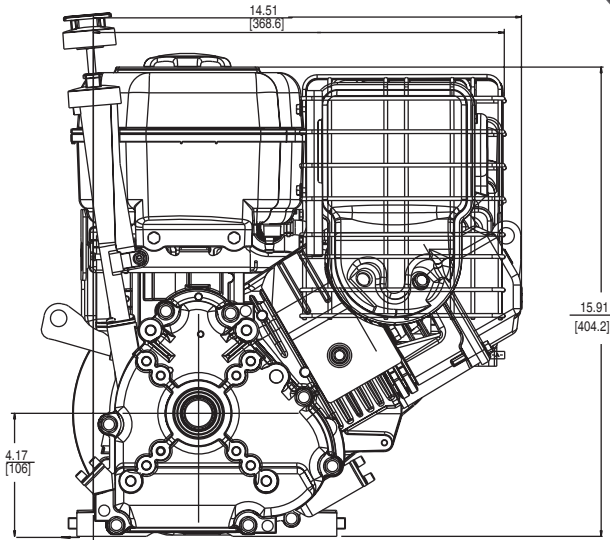
11 HP - Series 210400 Power Built™ OHV

Displacement 20.8 cu. in. (342 cc)
Bore 3.30 in. (84 mm)
Stroke 2.43 in. (61 mm)
Oil Capacity 28 fl. oz. (0.82 l)



Features:

- Aluminum alloy bore for cooler operation
- Maintenance-free Magnetron® electronic ignition for quick, dependable starts
- Overhead valve design (OHV) for cooler operation and longer valve life
- Maxi-Clean™ automotive-type pleated paper air filter provides superior protection for long engine life
- Buyer protection package provides two-year consumer engine warranty



To make the center line of crankshaft the same as 190000 and 250000 Model Series, order 695154 spacer kit.

Model Type	Shipping Weight	Crankshaft	Crankshaft (P.T.O.) Extension	Dimension	Starter Position Bolt-On/Chargeable	Governor	Controls	Flange Mtg.	Manual Choke	Remote Stop Switch	Fuel Tank (Quarts)	Top Governor Speed	Notes
210412													
0070	58	694678	Tapered, Tapped 5/16-24	4-11/32 (c)	1:30	M	FC	X	X	X	*	3750	
210432													
0035	62	695818	Threaded 1-14, 1" Thread Length	3-21/32(c)	10:30	M	MF	X	X	X	4	3600	•
0036	63	695462	1" dia., Keyway, tapped 7/16-20	3-21/32(c)	10:30	M	AG/R/MF	X	X	X	4	3600	•
0046	61	695369	1" dia., Keyway, tapped 3/8-24	2-29/32(c)	10:30	M	FC	X	X	X	4	3600	•

• Ball bearing PTO * Fuel Tank Omitted

11 HP - Series 212400

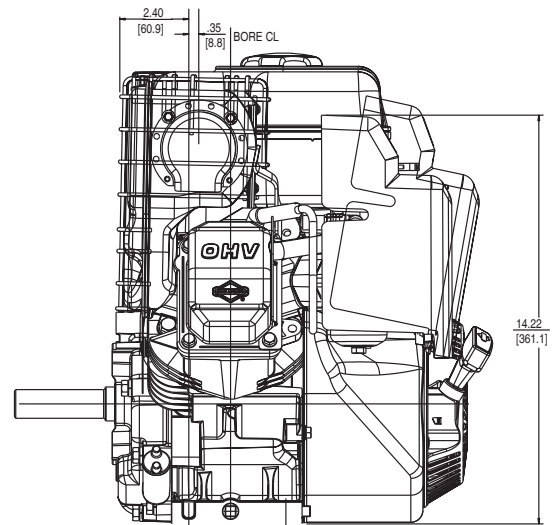
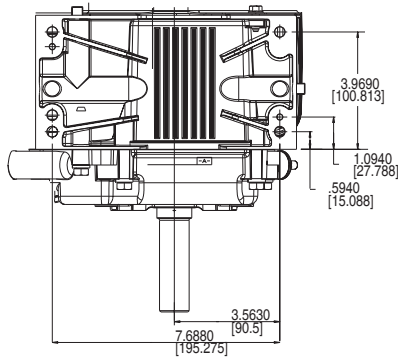
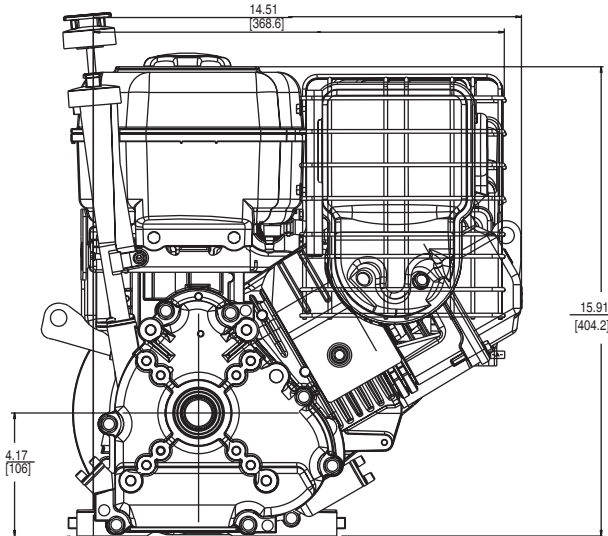
INTEK™ I/C®

Displacement 20.8 cu. in. (342 cc)
 Bore 3.30 in. (84 mm)
 Stroke 2.43 in. (61 mm)
 Oil Capacity 28 fl. oz. (0.82 l)



Features:

- Dura-Bore™ Cast iron cylinder sleeve for extended life
- Maintenance-free Magnetron® electronic ignition for quick, dependable starts
- Overhead valve design (OHV) for cooler operation and longer valve life
- Duel-Clean™ air cleaner pleated paper filter with a foam pre-cleaner ensures maximum protection for extended engine life
- Buyer protection package provides two-year consumer engine warranty



To make the center line of crankshaft the same as 190000 and 250000 Model Series, order 695154 spacer kit.

Model Type	Shipping Weight	Crankshaft	Crankshaft (P.T.O.) Extension	Dimension	Starter Position Bolt-On/Changeable	Governor	Controls	Flange Mtg.	Manual Choke	Remote Stop Switch	Fuel Tank (Quarts)	Top Governor Speed	Notes
212412													
0070		694678	Tapered, tapped 5/16-24	4-11/32(c)	1:30	M	FC	X	X	X	*	3750	
212432													
0036	62	695462	1" dia., Keyway, tapped 7/16-20	3-21/32(c)	10:30	M	AG/R/MF	X	X	X	4	3600	•
212437													
0041	70	695369	1" dia., Keyway, tapped 3/8-24	2-29/32(c)	10:30	M	AG/R/MF	X	X	X	4	3600	•

• Ball bearing PTO * Fuel Tank Omitted

11 HP - Series 235400 Vanguard™

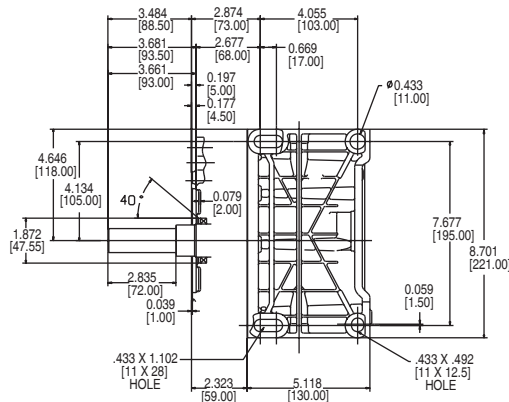
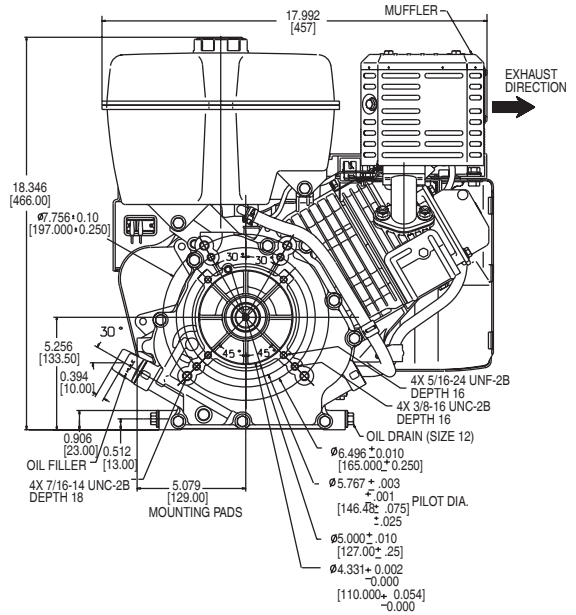
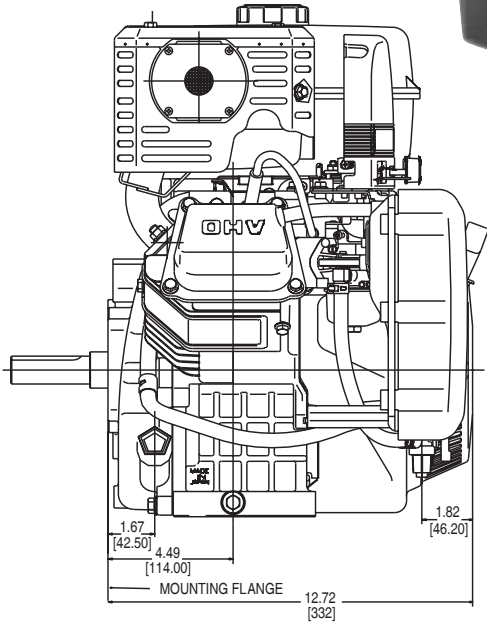


Displacement 24 cu. in. (391 cc)
Bore 3.5 in. (89 mm)
Stroke 2.48 in. (63 mm)
Oil Capacity 32 fl. oz. (.95 l)



Features:

- Dura-Bore™ cast iron cylinder sleeve for extended life
- Maintenance-free Magnetron® electronic ignition for quick, dependable starts
- Dual-Clean™ air cleaner pleated paper filter with a foam pre-cleaner ensures maximum protection for extended engine life
- Oil Gard® low oil engine shutdown device
- Overhead valve design (OHV) for cooler operation and longer valve life
- Buyer protection package provides two-year commercial engine warranty



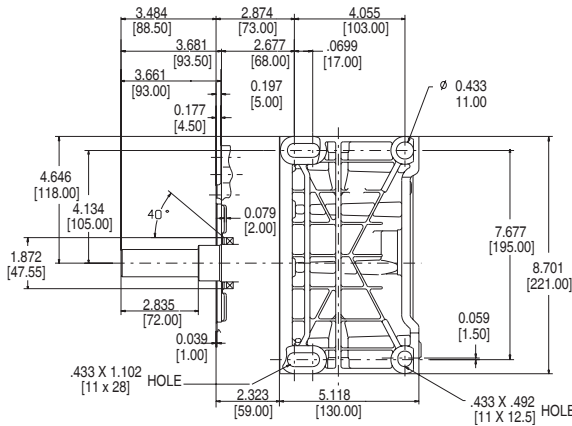
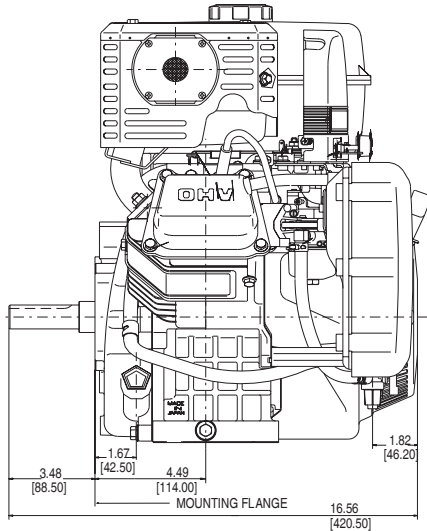
Model Type	Shipping Weight	Crankshaft	Crankshaft (P.T.O.) Extension	Dimension	Starter Position Bolt-On/Changeable	Governor	Controls	Flange Mtg.	Mmanual Choke	Rocker Stop Switch	Oil Gard®	Fuel Tank (Quarts)	Top Governor Speed	Notes
235432														
0235	81	715342	1" dia., Keyway, tapped 7/16-20	3-31/64(c)	10:30	M	AG/R/MF	X	X	X	X	8.3	3600	•

• Ball bearing PTO and magneto side.

13 HP - Series 245400 Vanguard™

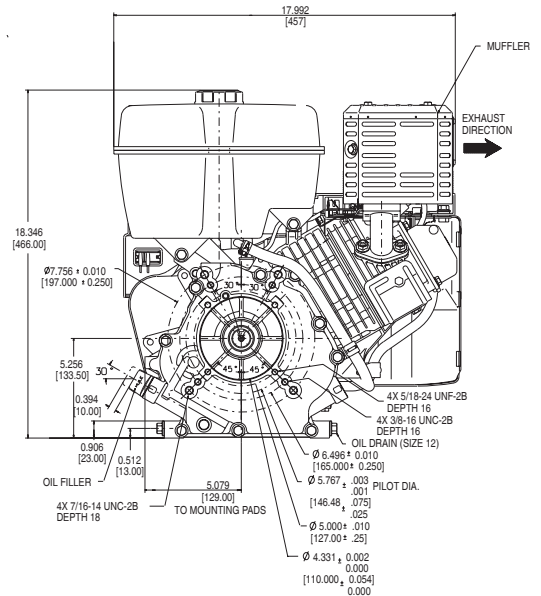


Displacement 24 cu. in. (391 cc)
Bore 3.5 in. (89 mm)
Stroke 2.48 in. (63 mm)
Oil Capacity 32 fl. oz. (.95 l)



Features:

- Dura-Bore™ cast iron cylinder sleeve for extended life
- Maintenance-free Magnetron® electronic ignition for quick, dependable starts
- Dual-Clean™ air cleaner pleated paper filter with a foam pre-cleaner ensures maximum protection for extended engine life
- Oil Gard® low oil engine shutdown device
- Overhead valve design (OHV) for cooler operation and longer valve life
- Buyer protection package provides two-year commercial engine warranty



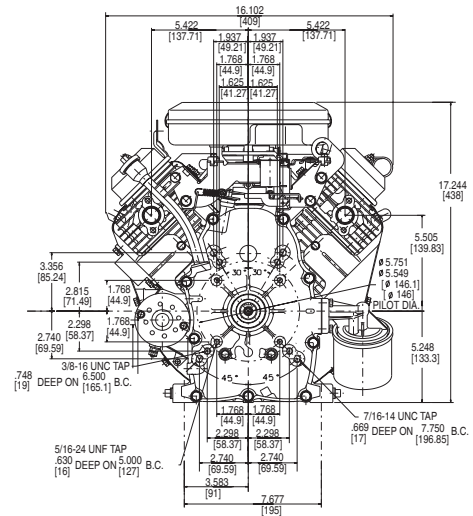
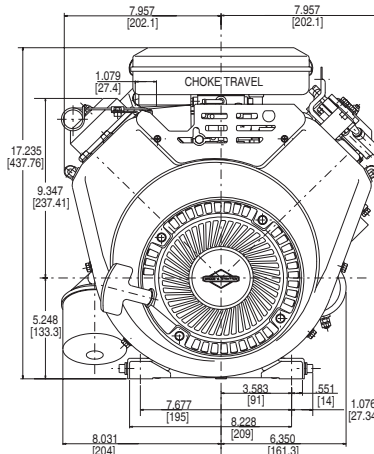
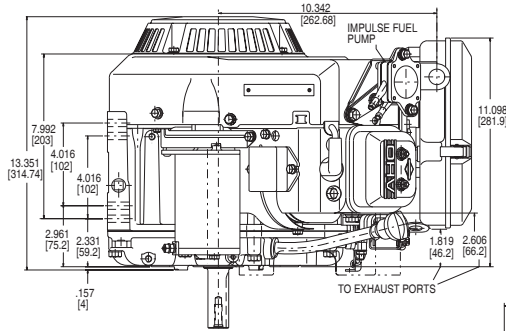
Model Type	Shipping Weight	Crankshaft	Crankshaft (P.T.O.) Extension	Dimension	Starter Position Bolt-On/Changeable	Governor	Controls	Flange Mtg.	Manual Choke	Rocker Stop Switch	Oil Gard®	Fuel Tank (Quarts)	Top Governor Speed	Notes
245432														
0235	81	715342	1" dia., Keyway, tapped 7/16-20	2-29/32(c)	10:30	M	AG/R/MF	X	X	X	X	8.3	3600	•
0247	80	715344	Threaded 1-14, 1" tapped length	3-21/32(c)	10:30	M	AG/R/MF	X	X	X	X	8.3	3600	•
0270	80	715343	Tapered, tapped 5/16-24	4-11/32(c)	10:30	M	AG	X	X	X	X	8.3	3750	•
245437														
0284	91	715342	1" dia., Keyway, tapped 7/16-20	2-29/32(c)	10:30	M	AG/R/MF	X	X	X	X	8.3	3600	•◆

• Ball bearing PTO and magneto side. ◆ Engine equipped with 12 Volt Gear Drive Starter and 16 Amp DC Alternator with Starter Panel Assembly.

16 HP - Series 305400 Vanguard™



Displacement 29.3 cu. in. (480 cc)
Bore 2.68 in. (68 mm)
Stroke 2.60 in. (66 mm)
Oil Capacity: 48 fl. oz. (1.42 l)



Features:

- Dura-Bore™ cast iron cylinder sleeve for extended life
- Float carburetor for consistent easy starting
- Maintenance-free Magneton® electronic ignition for quick, dependable starts
- Dual-Clean™ air cleaner pleated paper filter with a foam pre-cleaner ensures maximum protection for extended engine life
- Full pressure lubrication with spin-on oil filter assures controlled lubrication for extended component life
- Overhead valve design (OHV) for cooler operation and longer valve life
- Buyer protection package provides two-year commercial engine warranty

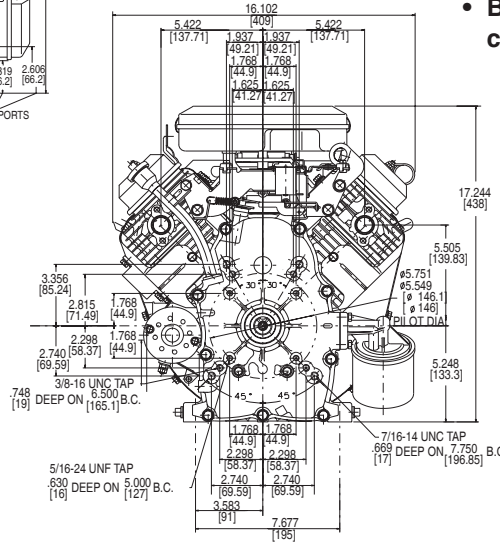
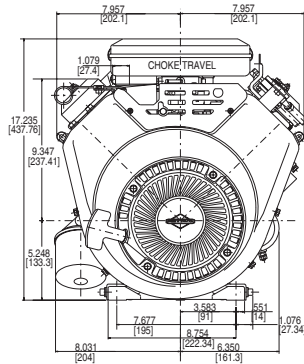
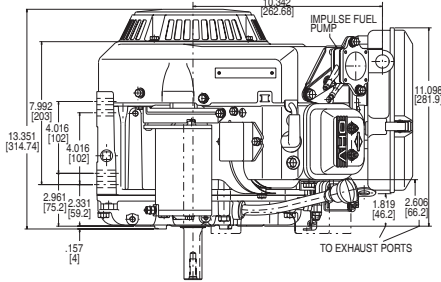
Model Type	Shipping Weight	Crankshaft	Crankshaft (P.T.O.) Extension	Dimension	Starter Position Bolt-On/Changeable	Oil Filler & Drain	Governor	Controls	Exhaust System	Fuel Tank (Quarts)	Pulse Fuel Pump	Flange Mtg.	Oil Pump w/Filter	Manual & Remote Choke	Top Governor Speed	Notes
305442																
0027	95	692161	1" dia., Keyway, tapped 3/8-24	2-29/32(c)	9	*	M	AG/R/MF	•	9	X	X	X		3600	
305447																
0005	89	692163	Tapered, drill & tapped 5/16-24	3-51/64(c)	9	*	E	FC	•	■	X	X	X		3600	◆
0023	96	692161	1" dia., Keyway, tapped 3/8-24	2-29/32(c)	9	*	M	AG/R/MF	•	9	X	X	X		3600	◆
0068	103	692161	1" dia., Keyway, tapped 3/8-24	2-29/32(c)	9	*	M	AG/R/MF		9	X	X	X		3600	◆
0075	87	692161	1" dia., Keyway, tapped 3/8-24	2-29/32(c)	9	*	M	AG/R/MF	•	■	X	X	X	X	3600	◆
0077	88	692162	Threaded 1-14, 1" thread length	3-21/32(c)	9	*	M	AG/R/MF	•	■	X	X	X	X	3600	◆
0078	87	692163	Tapered, drill & tapped 5/16-24	3-51/64(c)	9	*	M	AG	•	■	X	X	X		3750	◆
0079	86	692161	1" dia., Keyway, tapped 3/8-24	2-29/32(c)		*	M	AG/R/MF	•	■	X	X	X	X	3600	◆

• Exhaust manifold and muffler omitted. See Engine Accessories Catalog MS-3880 for Exhaust Manifold and Muffler Options. * Oil fill and dipstick in cover; dual drain. ■ Fuel tank omitted. ◆ Engine equipped with 12 Volt Gear Drive Starter and 16 Amp DC Alternator with Starter Panel Assembly.

18 HP - Series 356400 Vanguard™



Displacement 34.75 cu. in. (570 cc)
Bore 2.83 in. (72 mm)
Stroke 2.75 in. (70 mm)
Oil Capacity: 48 fl. oz. (1.42 l)



Features:

- Dura-Bore™ cast iron cylinder sleeve for extended life
- Float carburetor for consistent easy starting
- Maintenance-free Magnetron® electronic ignition for quick, dependable starts
- Dual-Clean™ air cleaner pleated paper filter with a foam pre-cleaner ensures maximum protection for extended engine life
- Full pressure lubrication with spin-on oil filter assures controlled lubrication for extended component life
- Overhead valve design (OHV) for cooler operation and longer valve life
- Buyer protection package provides two-year commercial engine warranty

Model Type	Shipping Weight	Crankshaft	Crankshaft (P.T.O.) Extension	Dimension	Starter Position Bolt-On/Changeable	Oil Filler & Drain	Governor	Controls	Exhaust System	Fuel Tank (Quarts)	Pulse Fuel Pump	Flange Mtg.	Oil Pump w/Filter	Manual & Remote Choke	Top Governor Speed	Notes
356442																
0065	88	809842	1" dia., Keyway, tapped 3/8-24	2-29/32(c)	9	*	M	AG/R/MF	•	9		X	X	X	3600	
356447																
0005	89	809811	Tapered, tapped 5/16-24	3-51/64(c)	9	*	E	FC	•	■	X	X	X		3600	◆
0009	98	809842	1" dia., Keyway, tapped 3/8-24	2-29/32(c)	9	*	E	FC	•	9		X	X	X	3600	□
0066	102	809842	1" dia., Keyway, tapped 3/8-24	2-29/32(c)	9	*	M	AG/R/MF		9		X	X	X	3600	◆
0075	93	809842	1" dia., Keyway, tapped 3/8-24	2-29/32(c)	9	*	M	AG/R/MF	•	■	X	X	X	X	3600	◆
0077	89	809804	Threaded 1-14, 1" thread length	3-21/32(c)	9	*	M	AG/R/MF	•	■	X	X	X	X	3600	◆
0078	89	809811	Tapered, tapped 5/16-24	3-51/64(c)	9	*	M	AG	•	■	X	X	X		3750	◆
0079	89	809842	1" dia., Keyway, tapped 3/8-24	2-29/32(c)		*	M	AG/R/MF	•	■	X	X	X	X	3600	◆
0087	90	809832	1-1/8" dia., Keyway, tapped 7/16-20	4(c)	9	*	M	AG/R/MF	•	■	X	X	X	X	3600	◆
0096	96	809842	1" dia., Keyway, tapped 3/8-24	2-29/32(c)	9	*	M	AG/R/MF	•	9		X	X	X	3600	◆

* Oil fill and dipstick in cover; dual drain. See Engine Accessories Catalog MS-3880 for Exhaust Manifold and Muffler Options.

◆ Engine equipped with 12 Volt Gear Drive Starter and 16 Amp DC Alternator with Starter Panel Assembly.

□ Engine equipped with 12 Volt Gear Drive Starter and 20 Amp DC Alternator with Starter Panel. ■ Fuel tank omitted. • Exhaust manifold and muffler omitted.

21 HP - Series 385400 Vanguard™



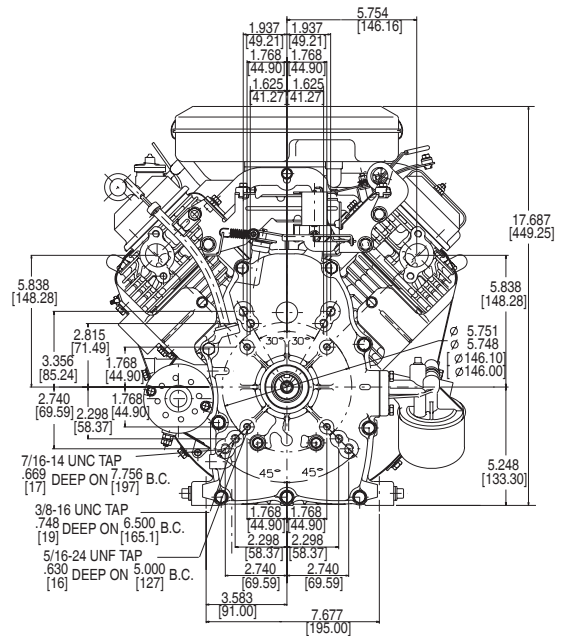
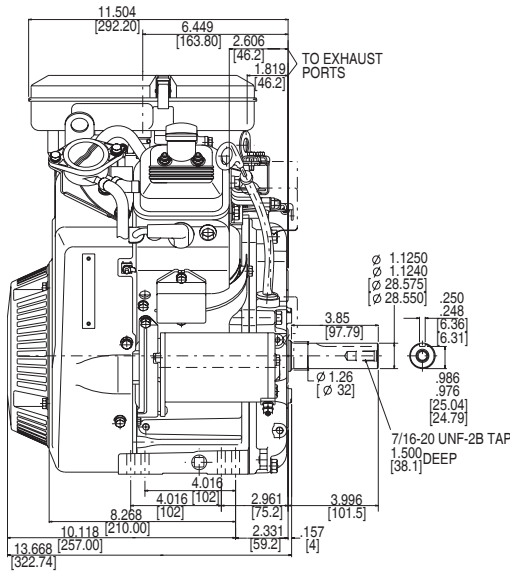
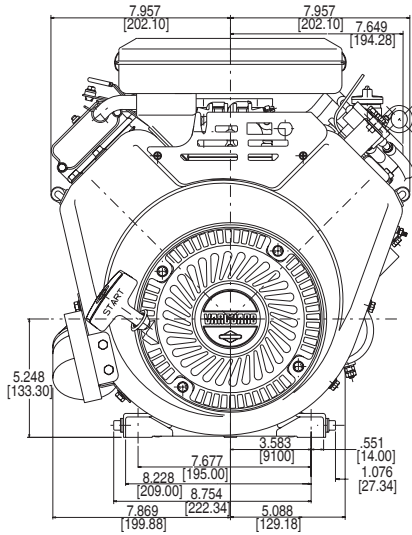
Displacement 38.26 cu. in. (627 cc)
Bore 2.97 in. (75 mm)
Stroke 2.75 in. (70 mm)
Oil Capacity 48 fl. oz. (1.42 l)

FEATURING
COOLER/CLEANER
TECHNOLOGY



Features:

- Dura-Bore™ cast iron cylinder sleeve for extended life
- Float carburetor for consistent easy starting
- Maintenance-free Magnetron® electronic ignition for quick, dependable starts
- Dual-Clean™ air cleaner pleated paper filter with a foam pre-cleaner ensures maximum protection for extended engine life
- Full pressure lubrication with oil cooler and spin-on oil filter assures controlled lubrication for extended component life
- Overhead valve design (OHV) for cooler operation and longer valve life
- Buyer protection package provides two-year commercial engine warranty



Model Type	Shipping Weight	Crankshaft	Crankshaft (P.T.O.) Extension	Dimension	Starter Position Bolt-On/Changeable	Oil Filter & Drain	Governor	Controls	Exhaust System	Fuel Tank (Quarts)	Pulse Fuel Pump	Flange Mtg.	Oil Pump w/Filter	Manual & Remote Choke	Top Governor Speed	Notes
385447																
0075	94	809844	1" dia., Keyway, tapped 3/8-24	2-29/32(c)	9	*	M	AG/R/MF	•	■	X	X	X	X	3600	◆

* Exhaust manifold and muffler omitted. See Engine Accessories Catalog MS-3880 for Exhaust Manifold and Muffler Options. * Oil fill and dipstick in cover; dual drain. ■ Fuel tank omitted. ◆ Engine equipped with 12 Volt Gear Drive Starter and 16 Amp DC Alternator with Starter Panel Assembly.

23 HP - Series 386400 Vanguard™

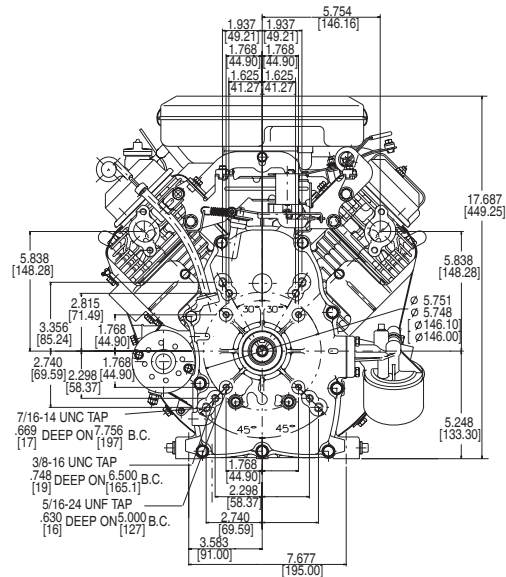
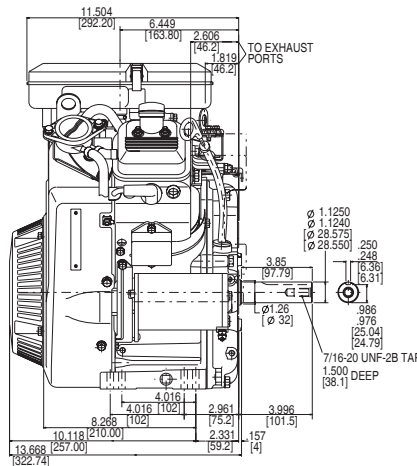
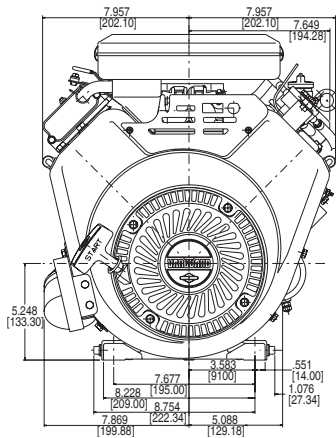


Displacement 38.26 cu. in. (627 cc)
Bore 2.97 in. (75 mm)
Stroke 2.75 in. (70 mm)
Oil Capacity 48 fl. oz. (1.42 l)



Features:

- Dura-Bore™ cast iron cylinder sleeve for extended life
- Float carburetor for consistent easy starting
- Maintenance-free Magnetron® electronic ignition for quick, dependable starts
- Dual-Clean™ air cleaner pleated paper filter with a foam pre-cleaner ensures maximum protection for extended engine life
- Full pressure lubrication with oil cooler and spin-on oil filter assures controlled lubrication for extended component life
- Overhead valve design (OHV) for cooler operation and longer valve life
- Buyer protection package provides two-year commercial engine warranty



Model Type	Shipping Weight	Crankshaft	Crankshaft (P.T.O.) Extension	Dimension	Starter Position Bolt-On/Changeable	Oil Filler & Drain	Governor	Controls	Exhaust System	Fuel Tank (Quarts)	Pulse Fuel Pump	Flange Mtg.	Oil Pump w/Filter	Manual & Remote Choke	Top Governor Speed	Notes
386447																
0020		809844	1" dia., Keyway, tapped 3/8-24	2-29/32(c)		*	M	AG/R/MF		■	X	X	X	X	3600	†
0048	87	809834	1-1/8" dia., Keyway, tapped 7/16-20	4 (c)	9	*	M	AG/R/MF	•	■	X	X	X	X	3600	◆
0065	87	809844	1" dia., Keyway, tapped 3/8-24	2-29/32(c)	9	*	M	AG/R/MF	•	■	X	X	X	X	3600	◆
0077	87	809800	Threaded 1-14, 1" thread length	3-21/32(c)	9	*	M	AG/R/MF	•	■	X	X	X	X	3600	◆
0078	85	809813	Tapered, drill & tap 5/16-24	3-51/64(c)	9	*	M	AG	•	■	X	X	X		3750	◆
0079	85	809844	1" dia., Keyway, tapped 3/8-24	2-29/32(c)		*	M	AG/R/MF	•	■	X	X	X	X	3600	◆

• Exhaust manifold and muffler omitted. See Engine Accessories Catalog MS-3880 for Exhaust Manifold and Muffler Options. * Oil fill and dipstick in cover; dual drain. ■ Fuel tank omitted. ◆ Engine equipped with 12 Volt Gear Drive Starter and 16 Amp DC Alternator with Starter Panel Assembly. † Engine equipped with 12 Volt Gear Drive Starter and 20/50 Amp Alternator

31 HP - Series 543400 Vanguard™

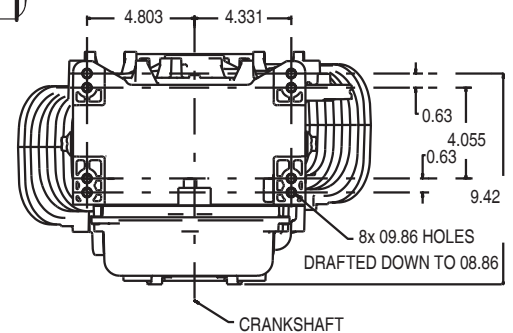
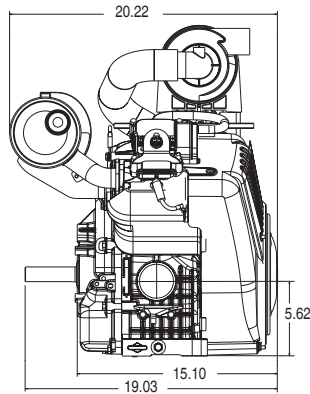
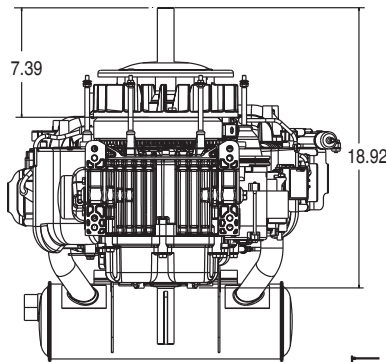
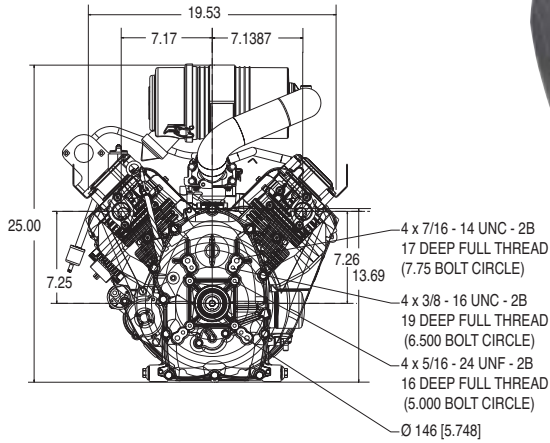


Displacement 54 cu. in. (895 cc)
 Bore 3.366 in. (85.5 mm)
 Stroke 3.071 in. (78.0 mm)
 Oil Capacity 71 fl. oz. (2.1 l) w/o Filter
 79 fl. oz. (2.3 l) w/Filter



Features:

- Cast iron sleeve assures longer engine life and improved oil control
- Advanced Debris Management System allows the engine to run cleaner and cooler, which enhances durability and performance.
- Foam pre-cleaner traps large debris before it can clog the filter element and rob the engine of needed air.
- Industrial grade solenoid shift starter assures quick, reliable starts.
- Full-pressure oil lubrication system with spin-on filter works to keep oil cleaner, which reduces maintenance and extends engine life.



Model Type	Shipping Weight	Crankshaft	Crankshaft (P.T.O.) Extension	Dimension	Oil Filler & Drain	Governor	Controls	Exhaust System	Fuel Tank (Quarts)	Pulse Fuel Pump	Flange Mtg.	Oil Pump w/Filter	Remote Choke	Manual Choke	Top Governor Speed	Notes
543477																
0048	143	809982	1-1/8" dia., 1/4" Keyway & tapped 7/16-20	4 (c)	*	M	MF	•	■	X	X	X		X	3600	◆
0065	155	809982	1-1/8" dia., 1/4" Keyway & tapped 7/16-20	4 (c)	*	M	MF		■	X	X	X		X	3600	◆
0076	140	841513	1-1/8" dia., 1/4" Keyway & tapped 7/16-20	3 (c)	*	M	R	•	■	X	X	X	X		3600	◆
0078		841683	Tapered, drill & tapped 5/16-24		*	M	AG	•	■	X	X	X	X		3750	◆
0079	132	841529	1-7/16" dia., 3/8" Keyway & tapped 5/8-18	4-1/2 (c)	*	M	MF	•	■	X	X	X		X	3600	◆
0110	152	809982	1-1/8" dia., 1/4" Keyway & tapped 7/16-20	4 (c)	*	M	R		■	X	X	X	X		3600	◆
0111	141	809982	1-1/8" dia., 1/4" Keyway & tapped 7/16-20	4 (c)	*	M	R	•	■	X	X	X	X		3600	◆

* Exhaust manifold and muffler omitted. * Oil fill and dipstick in cover; dual drain. ■ Fuel tank omitted.

◆ Engine equipped with 12 Volt Gear Drive Starter and 20 Amp DC Alternator.

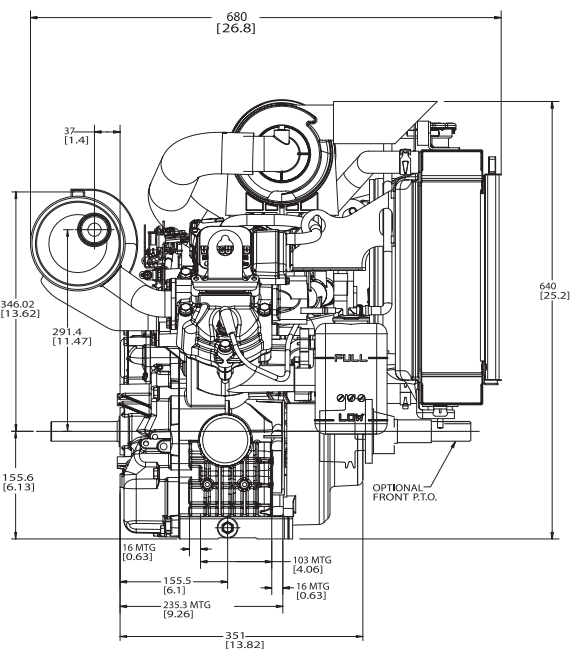
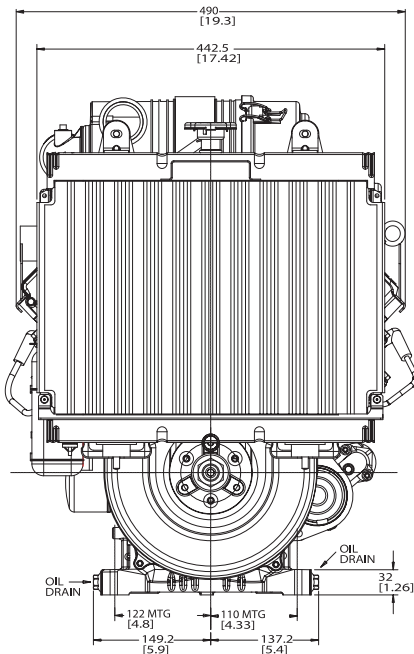
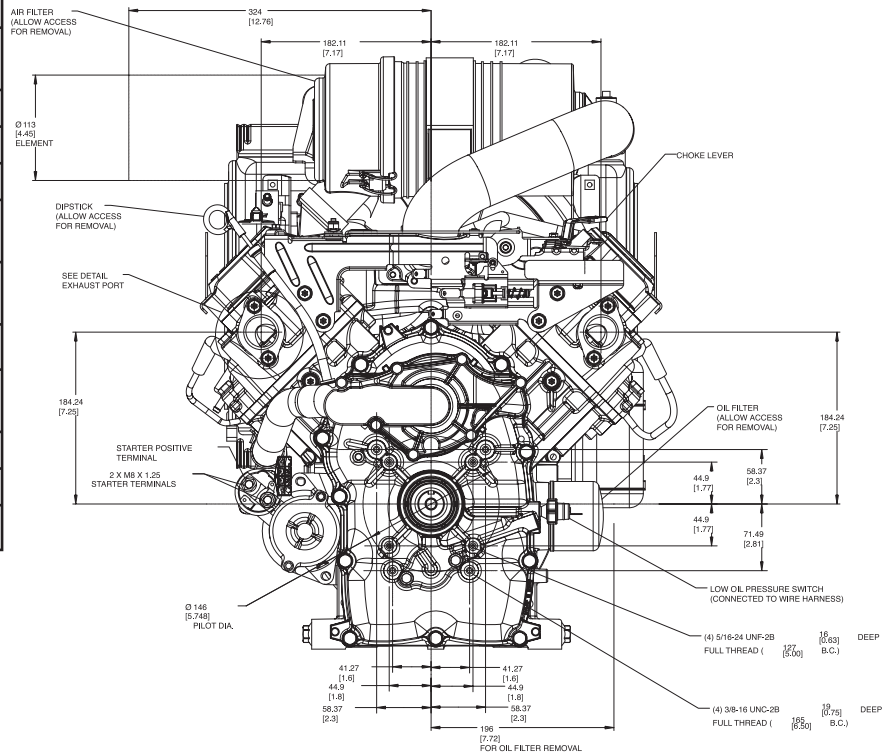
WANGUARD™

GASOLINE SERIES SPECIFICATIONS 2/LC

COMMERCIAL POWER

BRIGGS & STRATTON®

Model-Type	613177-0113
Number of cylinders	2 V-Twin
Bore x stroke [mm (in)]	85.5 X 86.5 (3.366 X 3.406)
Displacement [cc (cu in)]	993 (60.6)
Horsepower	35
Dry weight	[69.4 (153 lb)]
Direction of rotation	Counterclockwise (looking at PTO)
Lubricating system	Pressure feed with spin-on oil filter
Engine oil capacity [ltr (oz)]	2.6 (87)
Cooling system	Liquid-cooled including water pump & fan
Alternator	20 Amp
Starter	12 Volt, 0.8 kw
Shipping Weight	[76.2 kg (168 lb)]



Specifications, dimensions and/or outputs are subject to change without notice.
All shipping weights are approximate

WANGUARD™

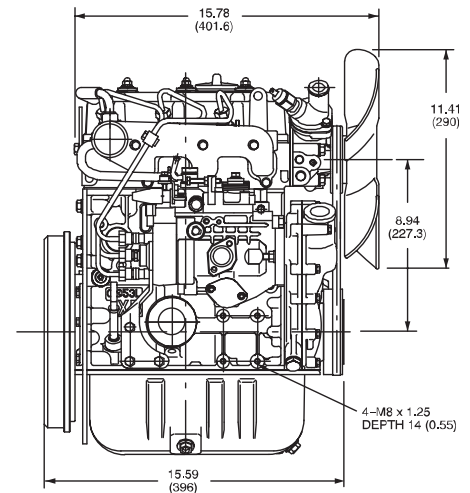
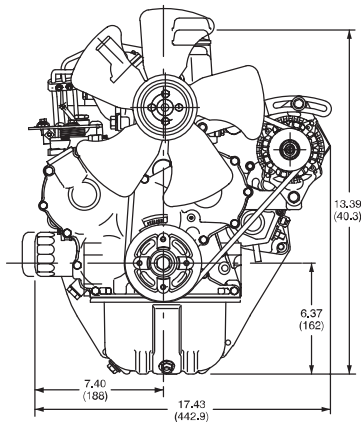
COMMERCIAL POWER



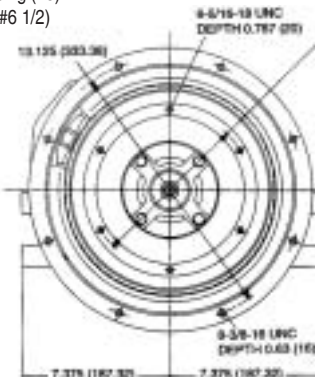
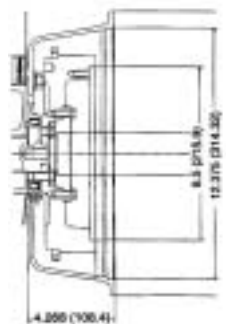
GASOLINE SERIES 3/LC SPECIFICATIONS

Model-Type	430447-0305	580447-0305
Number of cylinders	3 in-line	3 in-line
Bore x stroke [mm (in)]	68 x 64 (2.68 x 2.62)	72 x 78 (2.83 x 3.07)
Displacement [cc (cu in)]	697 (42.5)	952 (58.1)
Horsepower	23.5	31.0
Dry weight [kg (lb)]	70 (154)	72 (159)
Direction of rotation	Counterclockwise (looking at flywheel)	
Lubricating system	Pressure feed with spin-on oil filter	
Engine oil capacity [ltr (qtr)]	3.0 (3.2)	3.0 (3.2)
Cooling system	Liquid-cooled including water pump & fan (radiator optional)	
Alternator	12-14 Volt, 40 Amp	
Starter	12 Volt, 0.8 kw	
Shipping Weight [kg (lb)]	77(169)	114 (252)

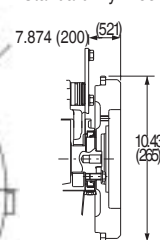
Base Engine



SAE Housing (#5)
Housing (#6 1/2)



Standard Flywheel



Specifications, dimensions and/or outputs are subject to change without notice.
All shipping weights are approximate

WANGUARD™

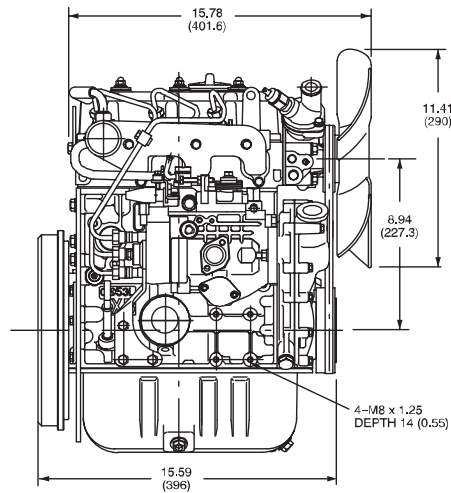
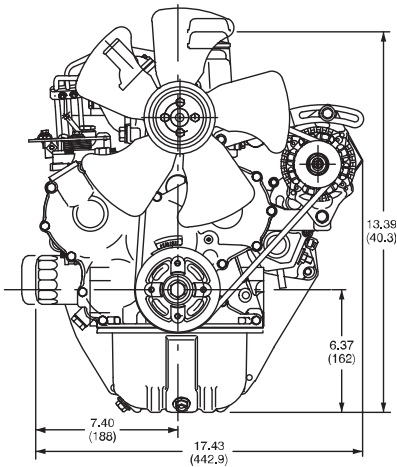
COMMERCIAL POWER



DIESEL SERIES SPECIFICATIONS 3/LC

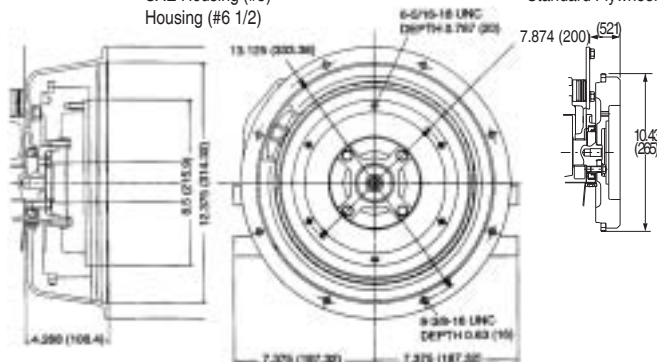
Model-Type	432447-0205	522447-0105	582447-0205
Number of cylinders	3 in-line	3 in-line	3 in-line
Bore x stroke [mm (in)]	68 x 64	68 x 78	72 x 78
Displacement [cc (cu in)]	697 (42.5)	850 (51.8)	952 (58.1)
Horsepower	18.0	23.6	26.5
Dry weight [kg (lb)]	82 (180)	84 (185)	84 (185)
Direction of rotation	Counterclockwise (looking at flywheel)		
Lubricating system	Pressure feed with spin-on oil filter		
Engine oil capacity [ltr (qtr)]	3.0 (3.2)	3.0 (3.2)	3.0 (3.2)
Cooling system	Liquid-cooled including water pump and fan (radiator optional)		
Alternator	12-40 Volt, 40 Amp		
Starter	12 Volt, 1.0 kw		
Shipping Weight [kg (lb)]	95 (210)	95 (210)	129 (285)

Base Engine



SAE Housing (#5)
Housing (#6 1/2)

Standard Flywheel



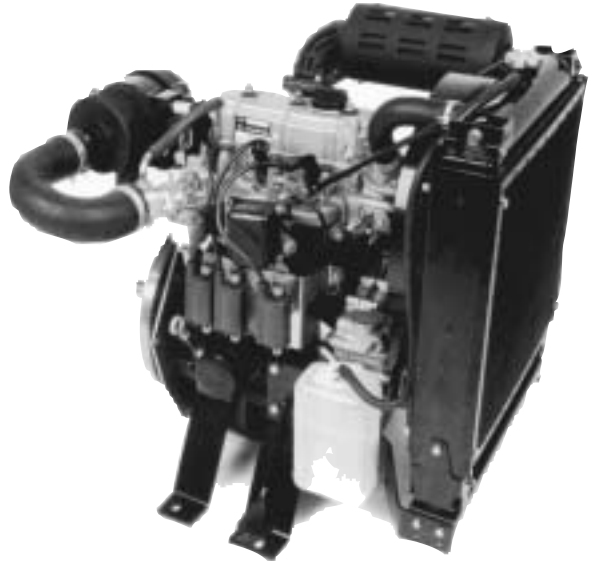
Specifications, dimensions and/or outputs are subject to change without notice.
All shipping weights are approximate

The basic unit includes the following accessories:

3/LC GASOLINE

- Radiator Kit
- Radiator Support
- Air Cleaner with Hose & Bracket
- (4) Mounting Feet
- Exhaust Muffler & Adapter (loose)
- Ignition Coil Bracket

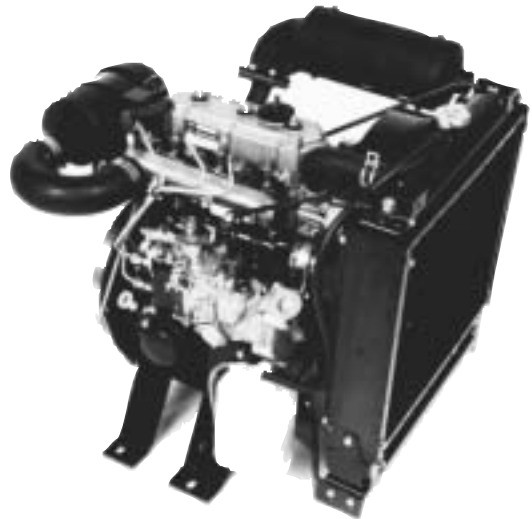
ServicePart No.*	Corresponding Engine No. Included
825365★	430447 0305
825366★	580447 0305



3/LC DIESEL

- Radiator Kit
- Radiator Support
- Air Cleaner with Hose & Bracket
- (4) Mounting Feet
- Diesel Fuel Filter
- Exhaust Muffler & Adapter (loose)

ServicePart No.*	Corresponding Engine No. Included
825367★	432447 0205
825368★	522447 0105
825369★	582447 0205



* CSSDs and Authorized Dealers reference these part numbers

★ See source of supply for pricing.

Engines available as base units (fan to flywheel) with accessories available individually. See MS-6380 for accessory list.

WANGUARD™

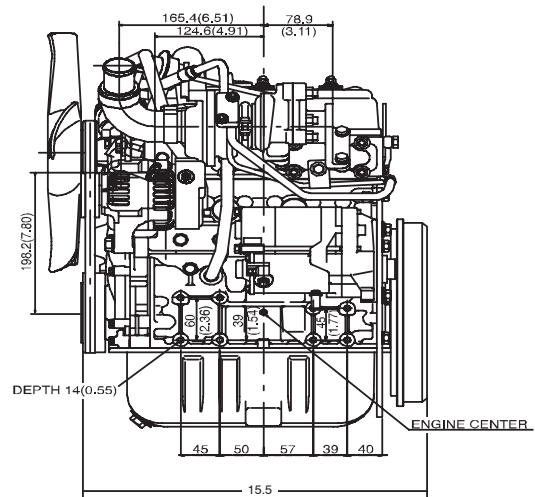
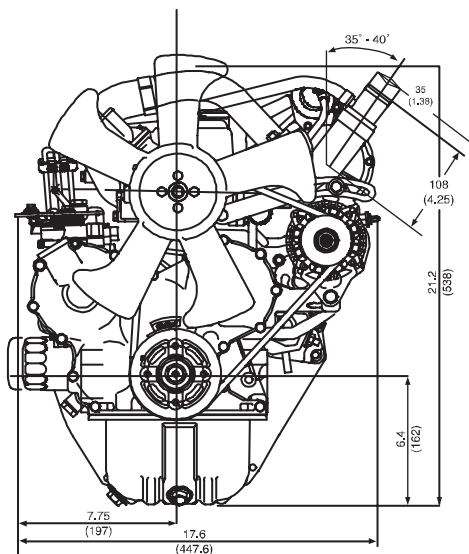
COMMERCIAL POWER



TURBO DIESEL SERIES SPECIFICATIONS **3/LC**

Model-Type	588447-0205	58A447-0205
Number of cylinders	3 in-line	3 in-line
Bore x stroke [mm (in)]	72 x 78 (2.83 x 3.07)	72 x 78 (2.83 x 3.07)
Displacement [cc (cu in)]	952 (58.10)	952 (58.10)
Horsepower	31.0	34.0
Dry weight [kg (lb)]	84 (185)	84 (185)
Direction of rotation	Counterclockwise (looking at flywheel)	
Lubricating system	Pressure feed with spin-on oil filter	
Engine oil capacity [ltr (qtr)]	3.0 (3.2)	3.0 (3.2)
Cooling system	Liquid-cooled including water pump and fan (radiator optional)	
Alternator	12-40 Volt, 40 Amp	
Starter	12 Volt, 1.0 kw	
Shipping Weight [kg (lb)]	89 (196)	89 (196)

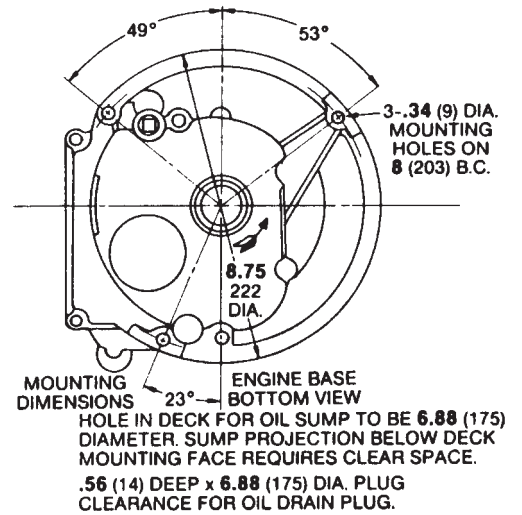
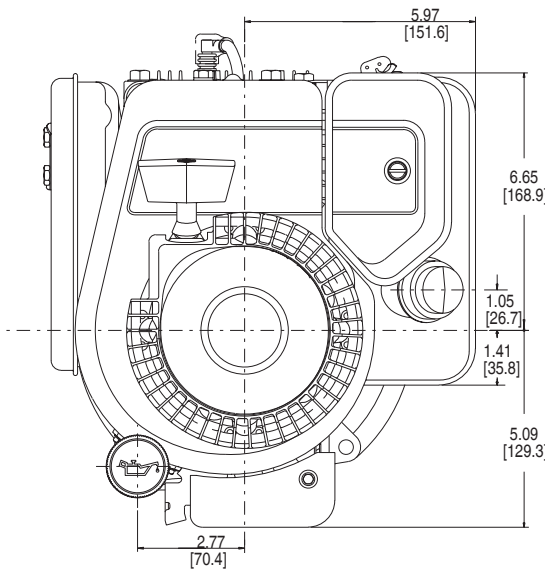
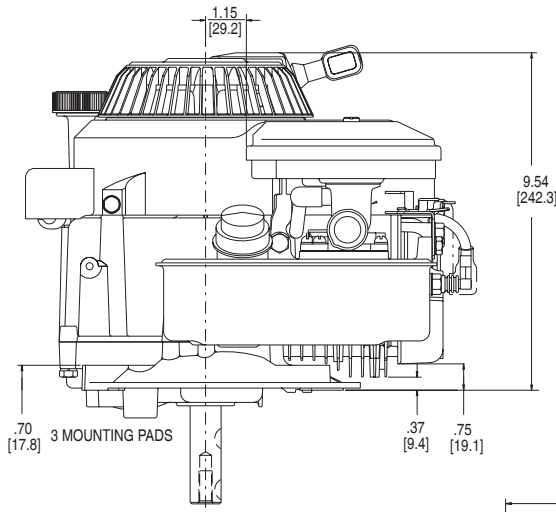
Base Engine



Specifications, dimensions and/or outputs are subject to change without notice.
All shipping weights are approximate

4 HP - Series 9M900 Sprint™

Displacement 9.02 cu. in. (148 cc)
 Bore 2.56 in. (65.1 mm)
 Stroke 1.75 in. (44.4 mm)
 Oil Capacity 20 fl. oz. (0.59 l)



Features:

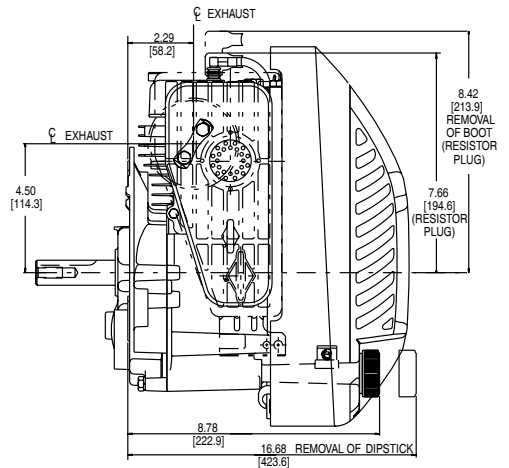
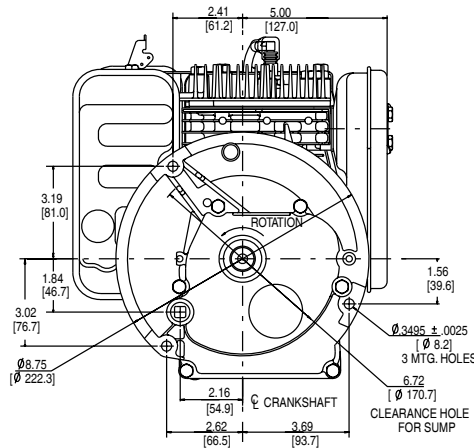
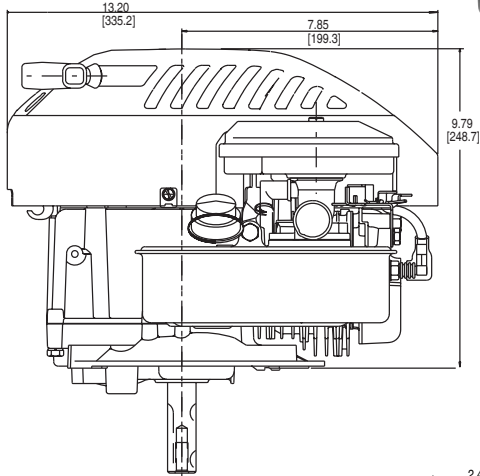
- Aluminum alloy bore for cooler operation
- Prime 'N Pull Easy Starting System™ pumps the right amount of gas to carburetor for easy one-pull starts
- Maintenance-free Magnetron® electronic ignition for quick, dependable starts
- Mechanical compression release for smooth, quick starting
- Lube-Power™ gear-driven lubrication system bathes all internal engine parts with oil all the time
- Reusable foam element air cleaner protects engine from dirt for long life
- Large rewind starter reduces pulling effort for easy starts
- Mechanical torque control for additional power

Model Type	Shipping Weight	Crankshaft	Crankshaft (P.T.O.) Extension	Dimension	Starter Position	Ext. Starter Rope	Governor	Controls	Primer Carburetor	Heavy Flywheel	Fuel Tank (Quarts)	Top Governor Speed	Notes
9M902													
0005	22	692991	Tapped 3/8-24, 2 WK, and 3/16 Keyway, 7/8" dia.	1-13/16(b)	6		M	MF/R	X	X	1	3700	
0015	20	692990	Tapped 3/8-24, 2 WK, and 3/16 Keyway, 7/8" dia.	3-5/32(b)	5	X	M	MF/R	X		1	3200	◆
0016	20	492086	Tapped 3/8-24, 2 WK, and 3/16 Keyway, 7/8" dia.	2-7/16(b)	5	X	M	MF/R	X		1	3200	◆
0018	20	692991	Tapped 3/8-24, WK, and 3/16 Keyway, 7/8" dia.	1-13/16(b)	5	X	M	MF/R	X		1	3200	◆

◆ The features on this engine are designed to meet Section 1205.5 of the Consumer Product Safety Commission Safety Standards.

4.75 HP - Series 10M900 Q4.75™

Displacement 9.67 cu. in. (158 cc)
 Bore 2.56 in. (65.1 mm)
 Stroke 1.87 in. (47.5 mm)
 Oil Capacity 20 fl. oz. (0.59 l)



Features:

- Aluminum alloy bore for cooler operation
- Prime 'N Pull Easy Starting System™ pumps the right amount of gas to carburetor for easy one-pull starts
- Maintenance-free Magnetron® electronic ignition for quick, dependable starts
- Mechanical compression release for smooth, quick starting
- Lube-Power™ gear-driven lubrication system bathes all internal engine parts with oil all the time
- Reusable foam element air cleaner protects engine from dirt for long life
- Large rewind starter reduces pulling effort for easy starts
- Mechanical torque control for additional power

Model Type	Shipping Weight	Crankshaft	Crankshaft (P.T.O.) Extension	Dimension	Starter Position	Ext. Starter Rope	Governor	Controls	Primer Carburetor	Heavy Flywheel	Fuel Tank (Quarts)	Top Governor Speed	Notes
10M902													
0015	25	691472	Tapped 3/8-24, 2 WK, and 3/16 Keyway, 7/8" dia.	3-5/32(b)	6	X	M	MF/R	X		1	3200	◆
0016	25	691471	Tapped 3/8-24, 2 WK, and 3/16 Keyway, 7/8" dia.	2-7/16(b)	6	X	M	MF/R	X		1	3200	◆
0018	24	692989	Tapped 3/8-24, WK, and 3/16 Keyway, 7/8" dia.	1-13/16(b)	6	X	M	MF/R	X		1	3200	◆
10M912													
0005	29	692989	Tapped 3/8-24, WK, and 3/16 Keyway, 7/8" dia.	1-13/16(b)	6	X	M	MF/R	X	X	1	3200	

◆ The features on this engine are designed to meet Section 1205.5 of the Consumer Product Safety Commission Safety Standards.

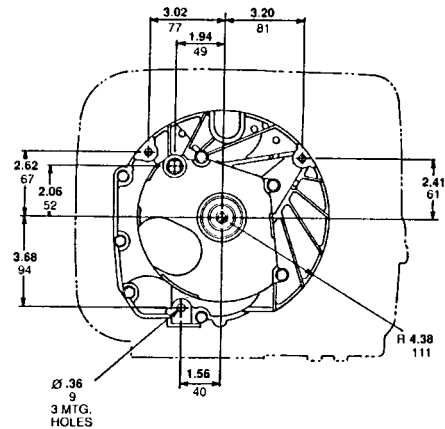
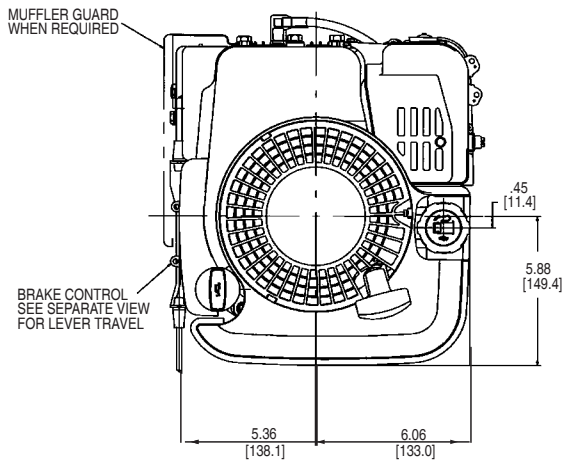
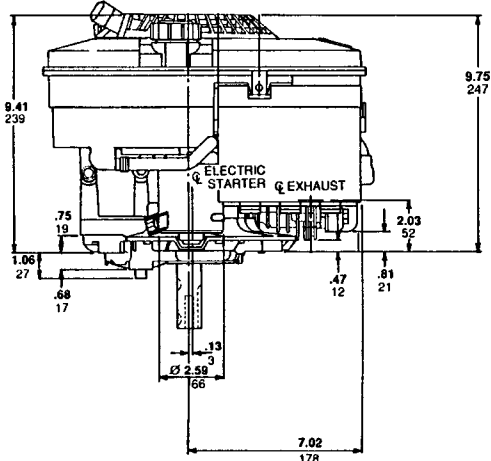
5 HP - Series 122K00 Quantum®

Displacement 11.57 cu. in. (190 cc)
 Bore 2.69 in. (68.0 mm)
 Stroke 2.04 in. (51.8 mm)
 Oil Capacity 20 fl. oz. (0.59 l)



Features:

- Large rewind starter reduces pulling effort for easy starts
- Maintenance-free Magnetron® electronic ignition for quick, dependable starts
- Mechanical compression release for smooth, quick starting
- Maxi-Clean™ automotive-type pleated paper air filter provides superior protection for long engine life
- Mechanical torque control for additional power
- Composite camshaft and aluminized Lo-Tone muffler for low noise operation
- One-Start™ float carburetor assures consistent one-pull starts
- Buyer protection package provides two-year consumer engine warranty



Model Type	Shipping Weight	Crankshaft	Crankshaft (P.T.O.) Extension	Dimension	Starter Position Bolt-On/Changeable	Ext. Starter Rope	Governor	Controls	Heavy Flywheel	Fuel Tank (Quarts)	Top Governor Speed	Notes
122K02												
0015/0515	29	691451	Tapped 3/8-24, 2 WK & Keyway, 7/8" dia.	3-5/32(b)	6	X	M	R/MF		1.6	3100	▼
0516	28	691452	Tapped 3/8-24, WK & Keyway, 7/8" dia.	2-7/16(b)	6	X	M	R/MF		1.6	3100	▼
0518	29	691455	Tapped 3/8-24, WK & Keyway, 7/8" dia.	1-13/16(b)	6	X	M	R/MF		1.6	3100	▼
0525	29	691450	Tapped 3/8-24, 2 WK & Keyway, 25 mm dia.	3-5/32(b)	6	X	M	R/MF		1.6	3100	▼
122K07												
0560	32	691451	Tapped 3/8-24, 2 WK & Keyway, 7/8" dia.	3-5/32(b)	6	X	M	R/MF	X	1.6	3100	▼■
122K12												
0006	33	691455	Tapped 3/8-24, WK & Keyway, 7/8" dia.	1-13/16(b)	6		M	R/MF	X	1.6	3600	

▼ The features on this engine are designed to meet Section 1205.5 of the Consumer Product Safety Commission Safety Standards.

■ Engine equipped with 12 Volt Gear Drive Starter and .5 Amp DC Alternator.

5.5 HP - Series 129800 Quantum®

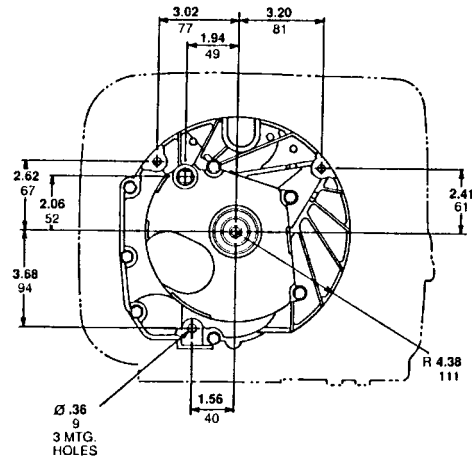
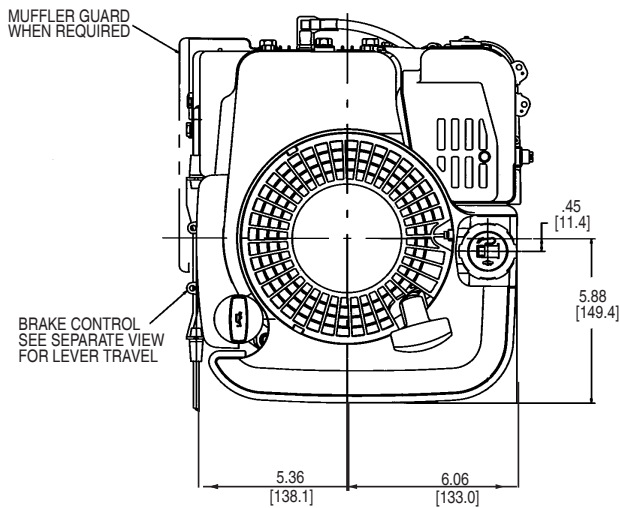
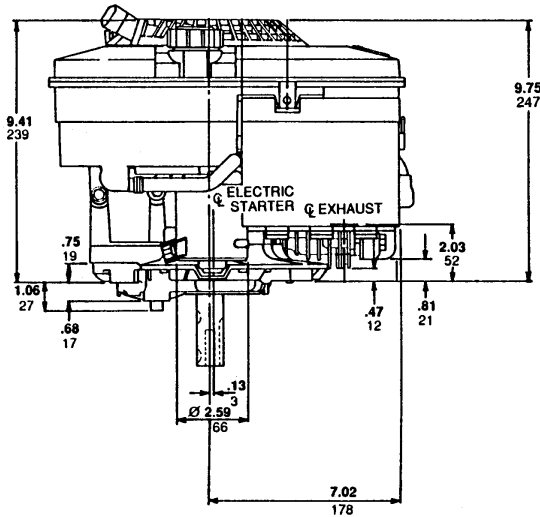
Diamond Plus™

Displacement 11.57 cu. in. (190 cc)
Bore 2.69 in. (68.0 mm)
Stroke 2.04 in. (51.8 mm)
Oil Capacity 20 fl. oz. (0.59 l)



Features:

- Dura-Bore™ cast iron cylinder sleeve for extended life
- Large rewind starter reduces pulling effort for easy starts
- Maintenance-free Magnetron® electronic ignition for quick, dependable starts
- Mechanical compression release for smooth, quick starting
- Maxi-Clean™ automotive-type pleated paper air filter provides superior protection for long engine life
- Mechanical torque control for additional power
- Composite camshaft and aluminized Lo-Tone muffler for low noise operation
- One-Start™ float carburetor assures consistent one-pull starts
- Buyer protection package provides two-year consumer engine warranty and one-year commercial engine warranty



Model Type	Shipping Weight	Crankshaft	Crankshaft (P.T.O.) Extension	Dimension	Starter Position Changeable	Ext. Starter Rope	Governor	Controls	Primer Carburetor	Heavy Flywheel	Fuel Tank (Quarts)	Top Governor Speed	Notes
129802													
2915	28	691451	Tapped 3/8-24, 2 WK & Keyway, 7/8" dia.	3-5/32(b)	6	X	M	R/MF	X		1.6	3100	▼
2925	28	691450	Tapped 3/8-24, 2 WK & Keyway, 25 mm dia.	3-5/32(b)	6	X	M	R/MF	X		1.6	3100	▼
129807													
2960	33	691451	Tapped 3/8-24, 2 WK & Keyway, 7/8" dia.	3-5/32(b)	6	X	M	R/MF	X		1.6	3100	▼■

▼ The features on this engine are designed to meet Section 1205.5 of the Consumer Product Safety Commission Safety Standards.

■ Engine equipped with 12 Volt Gear Drive Starter and .5 Amp DC Alternator.

6 HP - Series 12J800 Quantum®

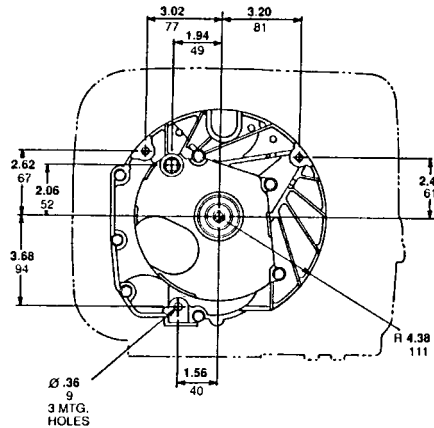
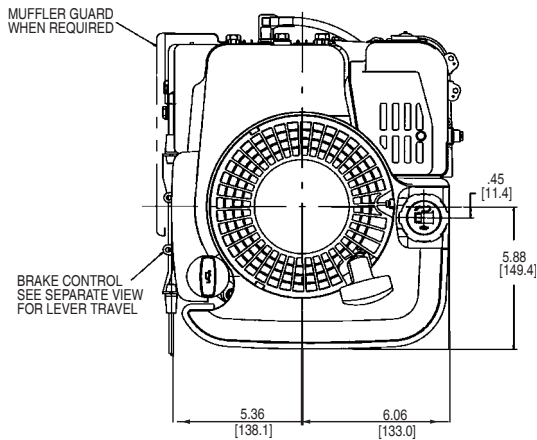
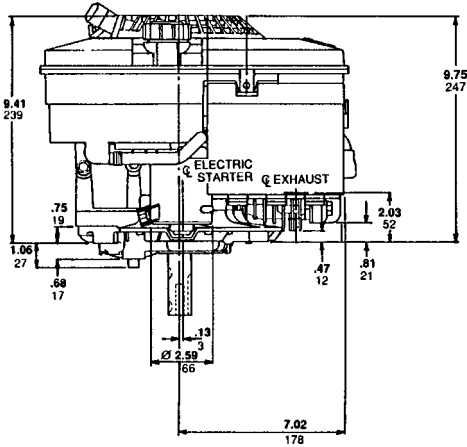
Displacement 11.57 cu. in. (190 cc)
Bore 2.69 in. (68.0 mm)
Stroke 2.04 in. (51.8 mm)
Oil Capacity 20 fl. oz. (0.59 l)

Diamond Plus™



Features:

- Dura-Bore™ cast iron cylinder sleeve for extended life
- Large rewind starter reduces pulling effort for easy starts
- Maintenance-free Magnetron® electronic ignition for quick, dependable starts
- Mechanical compression release for smooth, quick starting
- Maxi-Clean™ automotive-type pleated paper air filter provides superior protection for long engine life
- Mechanical torque control for additional power
- Composite camshaft and aluminized Lo-Tone muffler for low noise operation
- One-Start™ float carburetor assures consistent one-pull starts
- Buyer protection package provides two-year consumer engine warranty and one-year commercial engine warranty



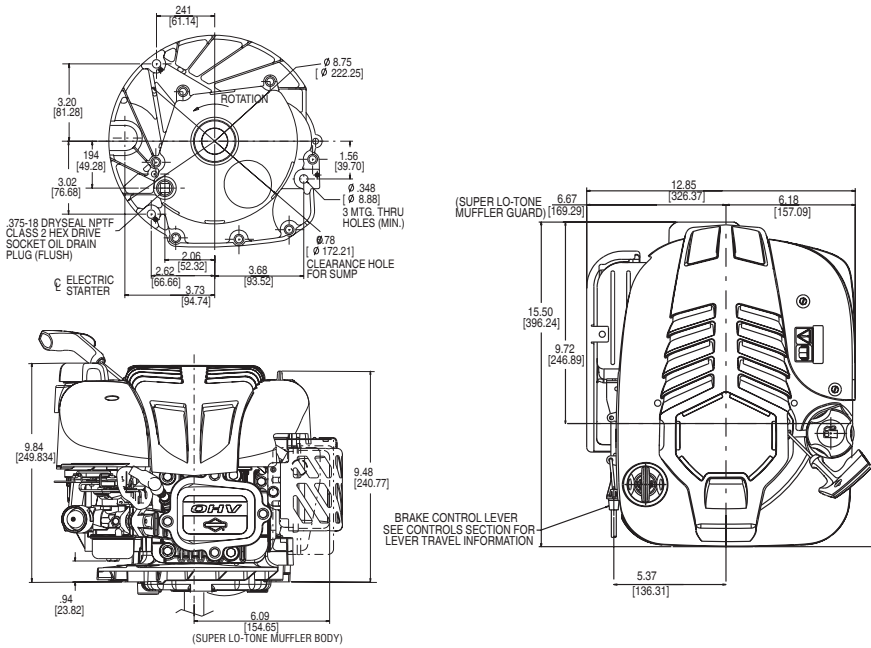
Model Type	Shipping Weight	Crankshaft	Crankshaft (P.T.O.) Extension	Dimension	Starter Position Changeable	Ext. Starter Rope	Governor	Controls	Primer Carburetor	Heavy Flywheel	Fuel tank (Quarts)	Top Governor Speed	Notes
12J802													
2905	29	691451	Tapped 3/8-24, 2 WK & Keyway, 7/8" dia.	3-5/32(b)	6		M	MF		X	1.6	3100	
2915	29	691451	Tapped 3/8-24, 2 WK & Keyway, 7/8" dia.	3-5/32(b)	6	X	M	R/MF	X		1.6	3100	▼
2916	28	691452	Tapped 3/8-24, WK & Keyway, 7/8" dia.	2-7/16(b)	6	X	M	R/MF	X		1.6	3100	▼
2918	28	691455	Tapped 3/8-24, WK & Keyway, 7/8" dia.	1-13/16(b)	6	X	M	R/MF	X		1.6	3100	▼
2925	29	691450	Tapped 3/8-24, 2 WK & Keyway, 25 mm dia.	3-5/32(b)	6	X	M	R/MF	X		1.6	3100	▼
2926	28	691454	Tapped 3/8-24, 2 WK & Keyway, 25 mm dia.	2-7/16(b)	6	X	M	R/MF	X		1.6	3100	▼
12J807													
2960	32	691451	Tapped 3/8-24, 2 WK & Keyway, 7/8 dia.	3-5/32(b)	6	X	M	R/MF	X		1.6	3100	▼■

▼ The features on this engine are designed to meet Section 1205.5 of the Consumer Product Safety Commission Safety Standards.
■ Engine equipped with 12 Volt Gear Drive Starter and .5 Amp DC Alternator.

6.5 HP - Series 121600 INTEK™ EDGE

6.5 HP - Series 122600 INTEK™ PRO

Displacement 11.5 cu. in. (189 cc)
Bore 2.69 in. (68.3 mm)
Stroke 2.04 in. (51.8 mm)
Oil Capacity 22 fl. oz. (0.65 l)



Features:

- Dura-Bore™ cast iron cylinder sleeve for extended life
- One-Start™ float carburetor assures consistent one-pull starts
- Large rewind starter reduces pulling effort for easy starts
- Maintenance-free Magnetron® electronic ignition for quick, dependable starts
- Mechanical torque control for additional power
- Composite camshaft and aluminized Lo-Tone muffler for quiet operation
- Dual-Clean™ air cleaner pleated paper filter with a foam pre-cleaner ensures maximum protection for extended engine life
- Overhead valve design (OHV) for cooler operation and longer valve life
- Buyer protection package provides two-year consumer engine warranty

Model Type	Shipping Weight	Crankshaft	Crankshaft (P.T.O.) Extension	Dimension	Starter Position	Ext. Starter Rope	Governor	Controls	Primer Carburetor	Heavy Flywheel	Oil Pump w/Filter	Fuel Tank (Quarts)	Top Governor Speed	Notes
121602														
0505	35	691457	Tapped 3/8-24, 2 WK & Keyway, 7/8" dia.	3-5/32(b)	6	X	M	R/MF	X	X		1.6	3100	
0515	33	691457	Tapped 3/8-24, 2 WK & Keyway, 7/8" dia.	3-5/32(b)	6	X	M	R/MF	X			1.6	3100	▼
0521	30	693291	Tapped 3/8-24, 2 WK & Keyway, 7/8" dia.	2-7/16(b)	6	X	M	R/MF	X			1.6	3100	▼
0522	29	692823	Tapped 3/8-24, WK & Keyway, 7/8" dia.	1-13/16(b)	6	X	M	R/MF	X			1.6	3100	▼
0525	33	691456	Tapped 3/8-24, 2 WK & Keyway, 25mm dia.	3-5/32(b)	6	X	M	R/MF	X			1.6	3100	▼
0526	34	694491	Tapped 3/8-24, 2 WK & Keyway, 25mm dia.	2-7/16 (b)	6	X	M	R/MF	X			1.6	3100	▼
0527	33	691456	Tapped 3/8-24, 2 WK & Keyway, 25mm dia.	3-5/32(b)	6	X	M	R/MF	X			1.6	3250	▼
121607														
0562	37	691457	Tapped 3/8-24, 2 WK & Keyway, 7/8" dia.	3-5/32(b)	6		M	R/MF	X	X		1.6	3100	■
0660	32	691457	Tapped 3/8-24, 2 WK & Keyway, 7/8" dia.	3-5/32(b)	6	x	M	R/MF	X			1.6	3100	▼■
121612														
0545	36	692803	Tapered Tapped 5/16-24		6		M	FC		X		1.6	3800	▼
122672														
0020	36	691457	Tapped 3/8-24, 2 WK & Keyway, 7/8" dia.	3-5/32(b)	6	X	M	R/MF	X		X	1.6	3100	▼

▼ The features on this engine are designed to meet Section 1205.5 of the Consumer Product Safety Commission Safety Standards.

■ Engine equipped with 12 Volt Gear Drive Starter and .5 Amp DC Alternator.

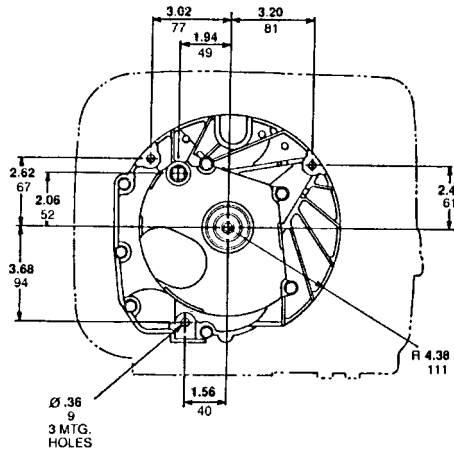
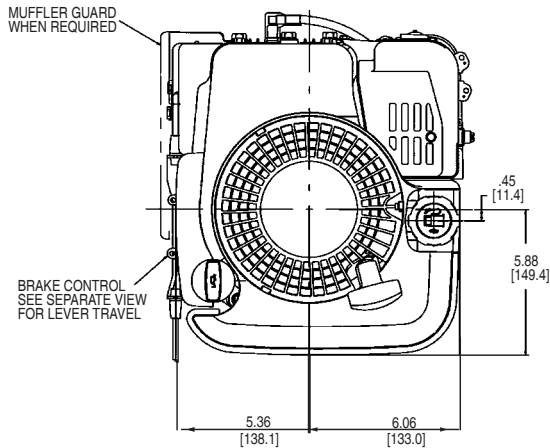
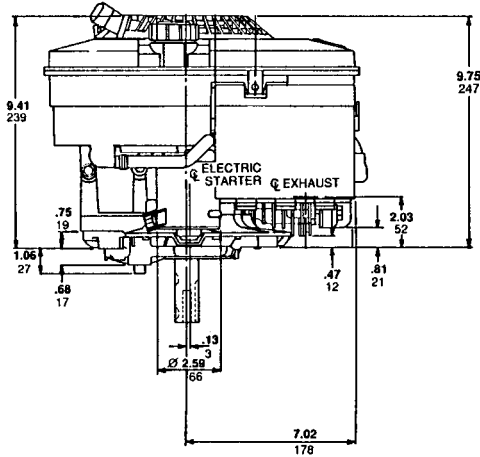
6.5 HP - Series 123K00 Quantum®

Displacement 11.57 cu. in. (190 cc)
 Bore 2.69 in. (68.0 mm)
 Stroke 2.04 in. (51.8 mm)
 Oil Capacity 20 fl. oz. (0.59 l)



Features:

- Large rewind starter reduces pulling effort for easy starts
- Maintenance-free Magneton® electronic ignition for quick, dependable starts
- Mechanical compression release for smooth, quick starting
- Maxi-Clean™ automotive-type pleated paper air filter provides superior protection for long engine life
- Mechanical torque control for additional power
- Composite camshaft and aluminized Lo-Tone muffler for low noise operation
- One-Start™ float carburetor assures consistent one-pull starts
- Buyer protection package provides two-year consumer engine warranty



Model Type	Shipping Weight	Crankshaft	Crankshaft (P.T.O.) Extension	Dimension	Starter Position Bolt-On/Changeable	Heavy Flywheel	Ext. Starter Rope	Governor	Controls	Fuel Tank (Quarts)	Top Governor Speed	Notes
123K02												
0005	36	694849	Tapped 3/8-24, WK & Keyway, 7/8" dia.	1-13/16(b)	6	X	X	M	MF	1.6	3700	
0015/0515	29	691451	Tapped 3/8-24, 2 WK & Keyway, 7/8" dia.	3-5/32(b)	6		X	M	R/MF	1.6	3100	▼
0018/0518	29	691455	Tapped 3/8-24, WK & Keyway, 7/8" dia.	1-13/16(b)	6		X	M	R/MF	1.6	3100	▼
0025/0525	29	691450	Tapped 3/8-24, 2 WK & Keyway, 25mm dia.	3-5/32(b)	6		X	M	R/MF	1.6	3100	▼
123K07												
0060/0560	32	691451	Tapped 3/8-24, 2 WK & Keyway, 7/8" dia.	3-5/32(b)	6		X	M	R/MF	1.6	3100	▼ ■
0062/0562	32	691450	Tapped 3/8-24, 2 WK & Keyway, 25mm dia.	3-5/32(b)	6		X	M	R/MF	1.6	3100	▼ ■

▼ The features on this engine are designed to meet Section 1205.5 of the Consumer Product Safety Commission Safety Standards.
 ■ Engine equipped with 12 Volt Gear Drive Starter and .5 Amp DC Alternator.

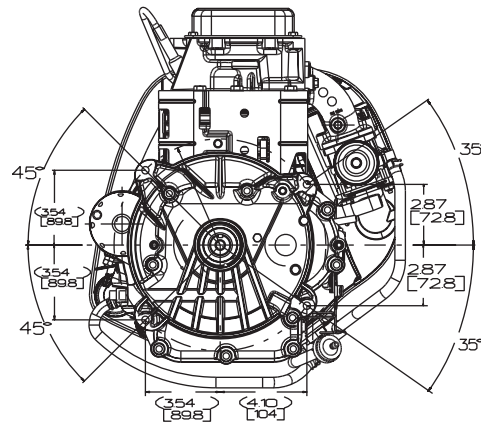
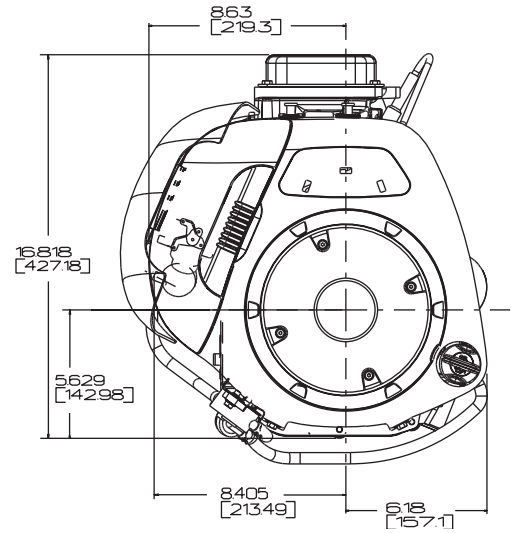
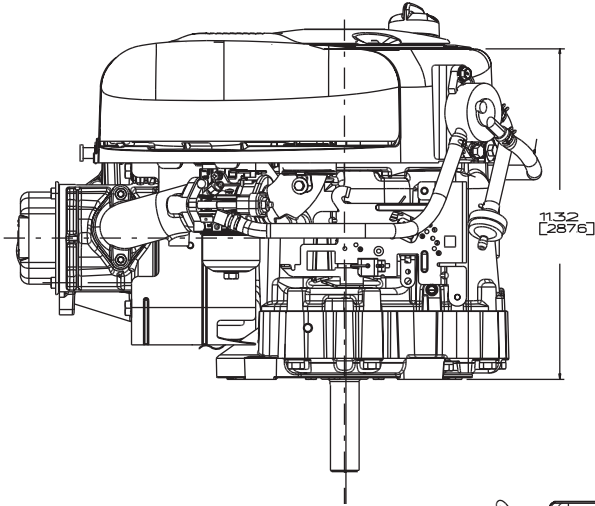
10.5 HP - Series 215700 Power Built™ OHV

Displacement 21 cu. in. (344.1 cc)
Bore 3.44 in. (87.4 mm)
Stroke 2.27 in. (57.7 mm)
Oil Capacity 48 fl. oz. (1.4 l)



Features:

- Aluminum alloy bore for cooler operation
- Float carburetor for consistent easy starting
- Maintenance-free Magnetron® electronic ignition for quick, dependable starts
- Maxi-Clean™ automotive type pleated paper air filter provides superior protection for long engine life
- Overhead valve design (OHV) for cooler operation and longer valve life
- Buyer protection package provides two-year consumer engine warranty



Model Type	Shipping Weight	Crankshaft	Crankshaft (P.T.O.) Extension	Dimension	Starter Position Bolt-On/Changeable	Ext. Oil Fill & Dipstick	Governor	Controls	Pulse Fuel Pump	Choke-A-matic R	Ground Wire Terminal	Fuel Tank (Quarts)	Top Governor Speed	Notes
215702														
0015	65	698382	Tapped 7/16-20, Keyway, 1" dia.	3-5/32(b)	9	X	M	R		X	X	■	3400	
215707														
0025	72	698382	Tapped 7/16-20, Keyway, 1" dia.	3-5/32(b)	9	X	M	R	X	X	X	■	3600	▼
0026	72	698382	Tapped 7/16-20, Keyway, 1" dia.	3-5/32(b)		X	M	R	X	X	X	■	3600	▼

■ Fuel tank omitted. ▼ Engine equipped with 12 Volt Gear Drive Starter and Dual Circuit Alternator. (3 Amp DC - 14 Volts AC)

10.5 HP - Series 215900 INTEK™

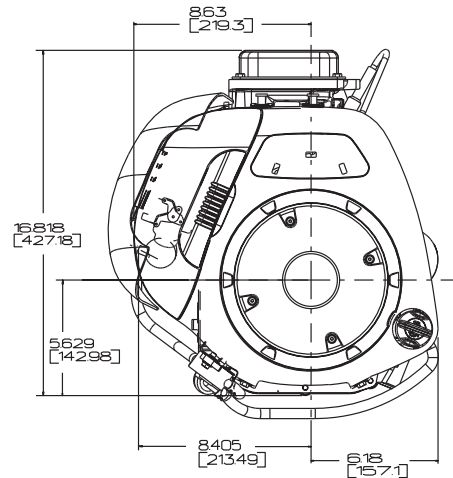
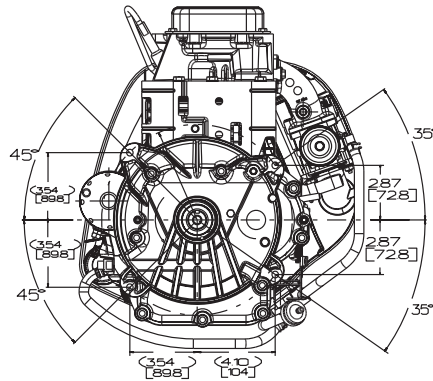
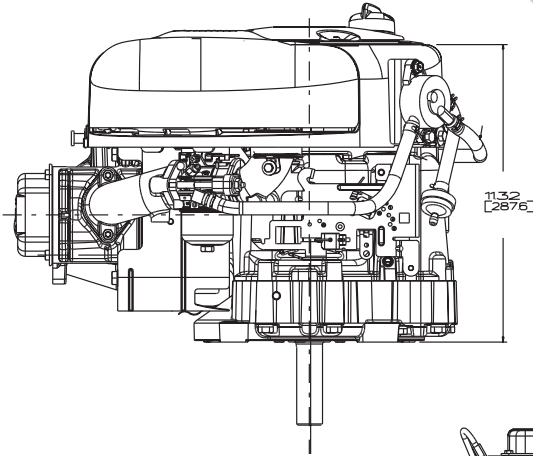


Displacement 21.0 cu. in. (344.1 cc)
 Bore 3.44 in. (87.4 mm)
 Stroke 2.27 in. (57.7 mm)
 Oil Capacity 48 fl. oz. (1.4 l)



Features:

- Dura-Bore™ cast iron cylinder sleeve for extended life
- Float carburetor for consistent easy starting
- Maintenance-free Magnetron® electronic ignition for quick, dependable starts
- Dual-Clean™ air cleaner pleated paper filter with a foam pre-cleaner ensures maximum protection for extended engine life
- Overhead valve design (OHV) for cooler operation and longer valve life
- Patented linear balancing system provides smoother performance
- Buyer protection package provides two-year consumer engine warranty



For Fuel Tank Dimensions, see page 59

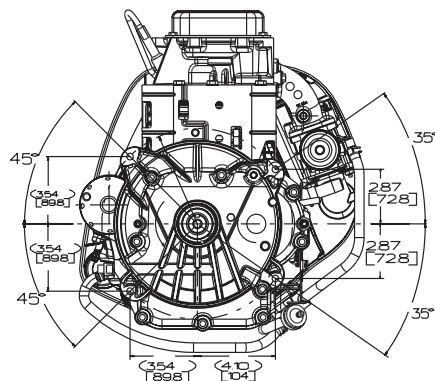
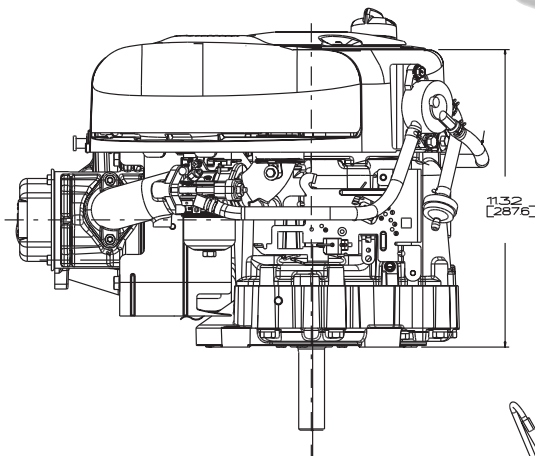
Model Type	Shipping Weight	Crankshaft	Crankshaft (P.T.O.) Extension	Dimension	Starter Position Bolt-On/Changeable	Ext. Oil Fill & Dipstick	Governor	Controls	Pulse Fuel Pump	Oil Pump with Filter	Choke-A-Matic®	Ground Wire Terminal	Fuel Tank (Quarts)	Top Governor Speed	Notes
215902															
0015	70	697390	Tapped 7/16-20, Keyway, 1" dia.	3-5/32(b)	9	X	M	R			X	X	■	3400	
0020	71	697390	Tapped 7/16-20, Keyway, 1" dia.	3-5/32(b)	9	X	M	R	X		X	X	3	3400	
215907															
0025	76	697390	Tapped 7/16-20, Keyway, 1" dia.	3-5/32(b)	9	X	M	R			X	X	■	3600	▼
0026	77	697390	Tapped 7/16-20, Keyway, 1" dia.	3-5/32(b)		X	M	R			X	X	■	3600	▼
0028	79	697390	Tapped 7/16-20, Keyway, 1" dia.	3-5/32(b)	9	X	M	R	X		X	X	3	3600	▼

■ Fuel tank omitted. ▼ Engine equipped with 12 Volt Gear Drive Starter and Dual Circuit Alternator. (3 Amp DC - 14 Volts AC)

11.5 HP - Series 217900 INTEK™

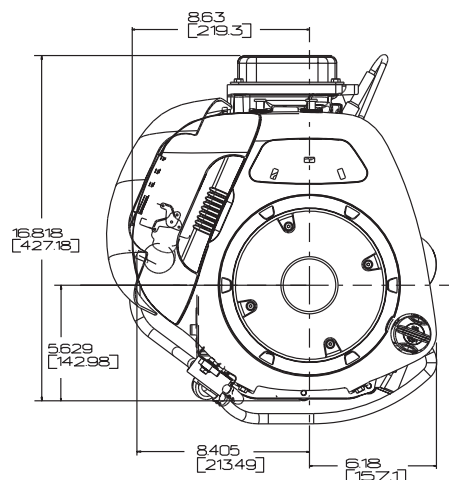


Displacement 21.0 cu. in. (344.1 cc)
 Bore 3.44 in. (87.4 mm)
 Stroke 2.27 in. (57.7 mm)
 Oil Capacity 48 fl. oz. (1.4 l)



Features:

- Dura-Bore™ cast iron cylinder sleeve for extended life
- Float carburetor for consistent easy starting
- Maintenance-free Magnetron® electronic ignition for quick, dependable starts
- Dual-Clean™ air cleaner pleated paper filter with a foam pre-cleaner ensures maximum protection for extended engine life
- Overhead valve design (OHV) for cooler operation and longer valve life
- Patented linear balancing system provides smoother performance
- Buyer protection package provides two-year consumer engine warranty



For Fuel Tank Dimensions, see page 59

Model Type	Shipping Weight	Crankshaft	Crankshaft (P.T.O.) Extension	Dimension	Starter Position Bolt-On/Changeable	Ext. Oil Fill & Dipstick	Governor	Controls	Pulse Fuel Pump	Remote Choke	Choke-A-Matic®	Ground Wire Terminal	Fuel Tank (Quarts)	Top Governor Speed	Notes
217902															
0015	72	697390	Tapped 7/16-20, Keyway, 1" dia.	3-5/32(b)	9	X	M	R			X	X	■	3400	
0016	69	697390	Tapped 7/16-20, Keyway, 1" dia.	3-5/32(b)	9	X	M	R		X	X	X	■	3400	
0020	72	697390	Tapped 7/16-20, Keyway, 1" dia.	3-5/32(b)	9	X	M	R	X		X	X	3	3400	
217907															
0019	77	697390	Tapped 7/16-20, Keyway, 1" dia.	3-5/32(b)	9	X	M	R			X	X	■	3600	▼
0025	77	697390	Tapped 7/16-20, Keyway, 1" dia.	3-5/32(b)		X	M	R			X	X	■	3600	▼
0028	77	697390	Tapped 7/16-20, Keyway, 1" dia.	3-5/32(b)		X	M	R	X		X	X	3	3600	▼

■ Fuel tank omitted. ▼ Engine equipped with 12 Volt Gear Drive Starter and Dual Circuit Alternator. (3 Amp DC - 14 Volts AC)

12.5 HP - Series 219700

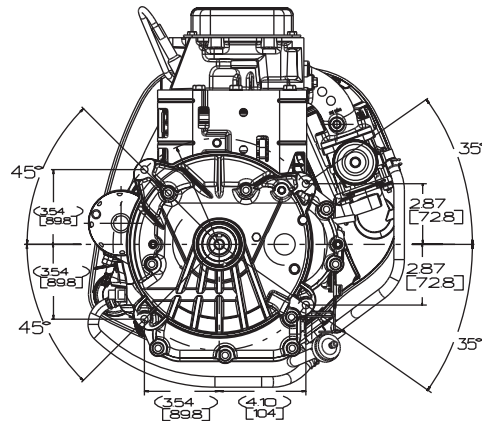
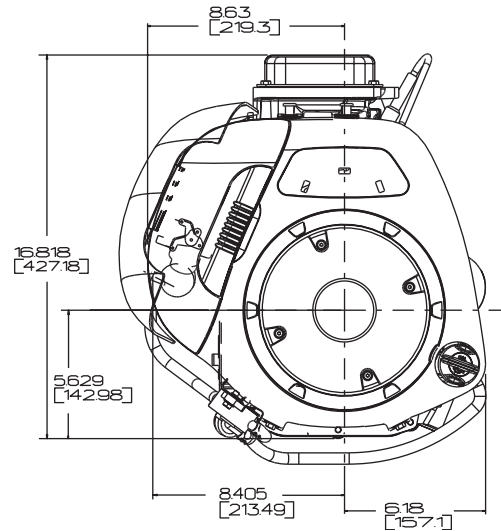
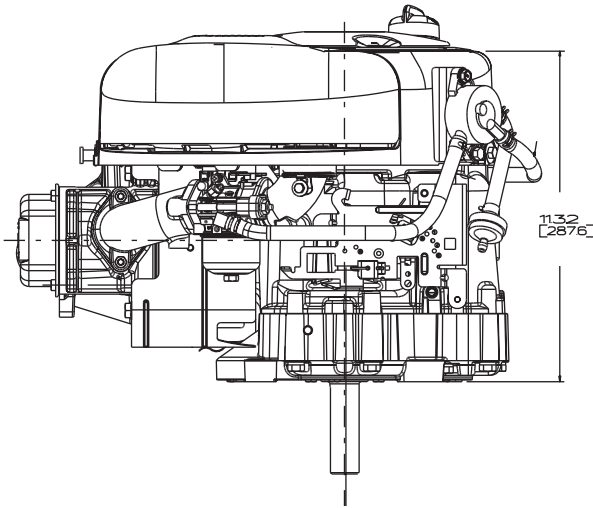
Power Built™ OHV

Displacement 21 cu. in. (344.1 cc)
 Bore 3.44 in. (87.4 mm)
 Stroke 2.27 in. (57.7 mm)
 Oil Capacity 48 fl. oz. (1.4 l)



Features:

- Aluminum alloy bore for cooler operation
- Float carburetor for consistent easy starting
- Maintenance-free Magnetron® electronic ignition for quick, dependable starts
- Maxi-Clean™ automotive type pleated paper air filter provides superior protection for long engine life
- Overhead valve design (OHV) for cooler operation and longer valve life
- Buyer protection package provides two-year consumer engine warranty



Model Type	Shipping Weight	Crankshaft	Crankshaft (P.T.O.) Extension	Dimension	Starter Position Bolt-On/Changeable	Ext. Oil Fill & Dipstick	Governor	Controls	Pulse Fuel Pump	Choke-A-Matic®	Ground Wire Terminal	Fuel Tank (Quarts)	Top Governor Speed	Notes
219707														
0026	72	697390	Tapped 7/16-20, Keyway, 1" dia.	3-5/32(b)		X	M	R	X	X	X	■	3400	▼

■ Fuel tank omitted. ▼ Engine equipped with 12 Volt Gear Drive Starter and Dual Circuit Alternator. (3 Amp DC - 14 Volts AC)

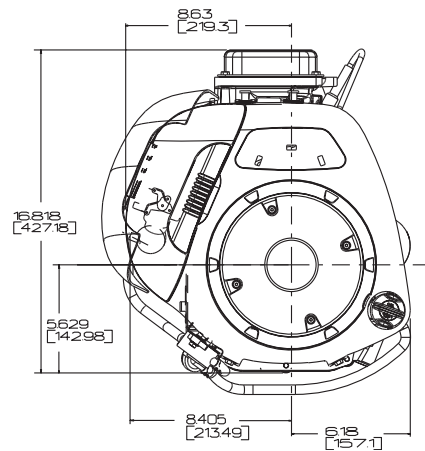
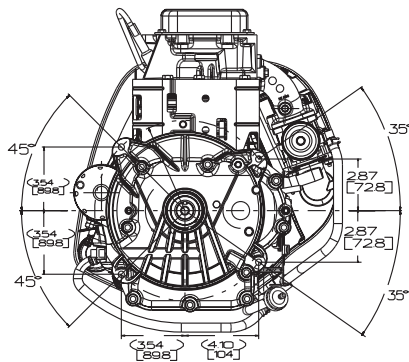
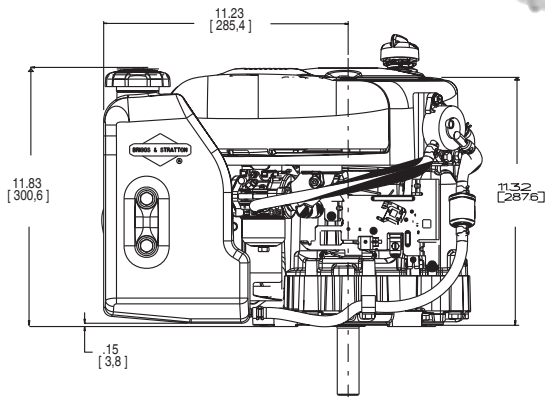
13.5 HP - Series 21B900 INTEK™

Displacement 21.0 cu. in. (344.1 cc)
Bore 3.44 in. (87.4 mm)
Stroke 2.27 in. (57.7 mm)
Oil Capacity 48 fl. oz. (1.4 l)



Features:

- Dura-Bore™ cast iron cylinder sleeve for extended life
- Float carburetor for consistent easy starting
- Maintenance-free Magnetron® electronic ignition for quick, dependable starts
- Dual-Clean™ air cleaner pleated paper filter with a foam pre-cleaner ensures maximum protection for extended engine life
- Overhead valve design (OHV) for cooler operation and longer valve life
- Patented linear balancing system provides smoother performance
- Buyer protection package provides two-year consumer engine warranty



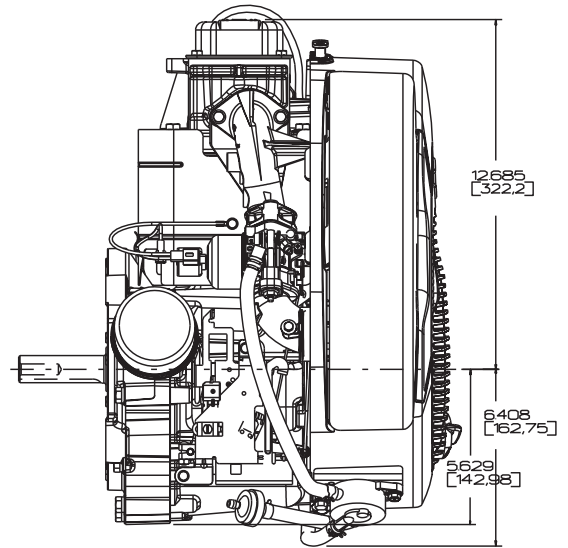
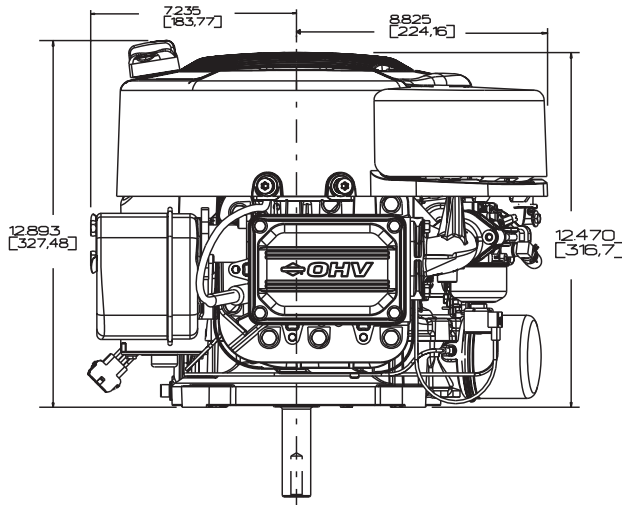
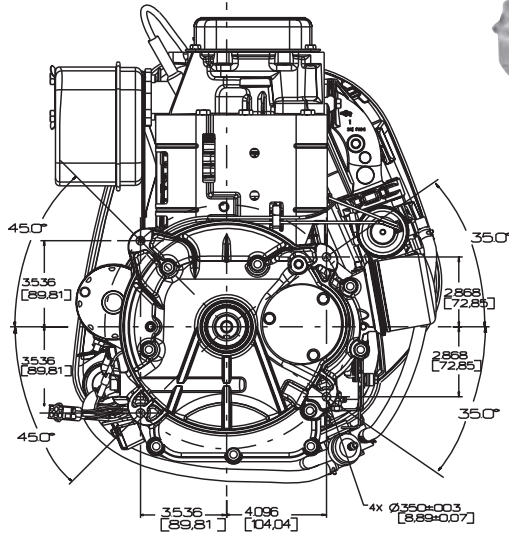
Model Type	Shipping Weight	Crankshaft	Crankshaft (P.T.O.) Extension	Dimension	Starter Position Bolt-On/Changeable	Ext. Oil Fill & Dipstick	Governor	Controls	Pulse Fuel Pump	Oil Pump with Filter	Choke-A-Matic®	Ground Wire Terminal	Fuel Tank (Quarts)	Top Governor Speed	Notes
21B902															
0015	76	697390	Tapped 7/16-20, Keyway, 1" dia.	3-5/32(b)	9	X	M	R	X		X	X	■	3300	
0022	76	697390	Tapped 7/16-20, Keyway, 1" dia.	3-5/32(b)	9	X	M	R	X		X	X	3	3300	
21B972															
0016	77	697390	Tapped 7/16-20, Keyway, 1" dia.	3-5/32(b)	9	X	M	R	X	X	X	X	■	3300	
21B907															
0026	83	697390	Tapped 7/16-20, Keyway, 1" dia.	3-5/32(b)		X	M	R	X		X	X	■	3300	▼
0028	84	697390	Tapped 7/16-20, Keyway, 1" dia.	3-5/32(b)	9	X	M	R	X		X	X	3	3300	▼
0029	84	697390	Tapped 7/16-20, Keyway, 1" dia.	3-5/32(b)	9	X	M	R	X		X	X	■	3300	▼
21B977															
0036	84	697390	Tapped 7/16-20, Keyway, 1" dia.	3-5/32(b)		X	M	R	X	X	X	X	■	3300	▼
0038	84	697390	Tapped 7/16-20, Keyway, 1" dia.	3-5/32(b)		X	M	R	X	X	X	X	3	3300	▼

■ Fuel tank omitted. ▼ Engine equipped with 12 Volt Gear Drive Starter and Dual Circuit Alternator. (3 Amp DC - 14 Volts AC)

14.5 HP - Series 280H00 INTEK™ I/C®



Displacement 28.4 cu. in. (465 cc)
Bore 3.44 in. (87.3 mm)
Stroke 3.06 in. (77.7 mm)
Oil Capacity 48 fl. oz. (1.4 l)



Features:

- Dura-Bore™ cast iron cylinder sleeve for extended life
- Float carburetor for consistent easy starting
- Maintenance-free Magnetron® electronic ignition for quick, dependable starts
- Dual-Clean™ air cleaner pleated paper filter with a foam pre-cleaner ensures maximum protection for extended engine life
- Overhead valve design (OHV) for cooler operation and longer valve life
- Patented linear balancing system provides smoother performance
- Buyer protection package provides two-year consumer engine warranty

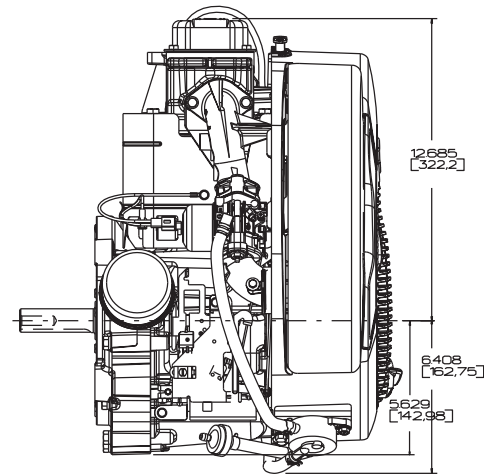
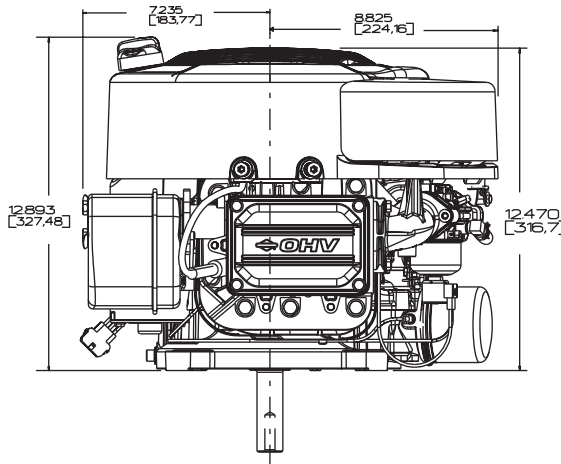
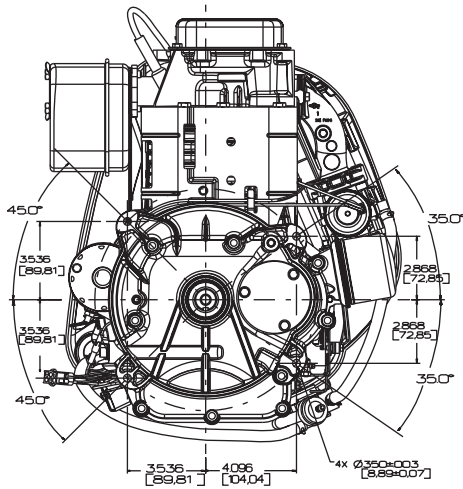
Model Type	Shipping Weight	Crankshaft	Crankshaft (P.T.O.) Extension	Dimension	Starter Position Bolt-On/Changeable	Ext. Oil Fill & Dipstick	Governor	Controls	Pulse Fuel Pump	Oil Pump with Filter	Choke-A-Matic®	Ground Wire Terminal	Fuel Tank (Quarts)	Top Governor Speed	Notes
280H07															
0005		697127	Tapped 7/16-20, Keyway, 1" dia.	3-5/32(b)	6	X	M	R			X	X	■	3300	▼
0036		697127	Tapped 7/16-20, Keyway, 1" dia.	3-5/32(b)		X	M	R			X	X	■	3300	†

■ Fuel tank omitted. ▼ Engine equipped with 12 Volt Gear Drive Starter and 9 Amp DC Alternator
† Engine equipped with 12 Volt Gear Drive Starter and Dual Circuit Alternator. (3 amp DC - 14 Volts AC)

15.5 HP - Series 285H00 INTEK™ I/C®



Displacement 28.4 cu. in. (465 cc)
Bore 3.44 in. (87.3 mm)
Stroke 3.06 in. (77.7 mm)
Oil Capacity 48 fl. oz. (1.4 l)



Features:

- Dura-Bore™ cast iron cylinder sleeve for extended life
- Float carburetor for consistent easy starting
- Maintenance-free Magnetron® electronic ignition for quick, dependable starts
- Dual-Clean™ air cleaner pleated paper filter with a foam pre-cleaner ensures maximum protection for extended engine life
- Overhead valve design (OHV) for cooler operation and longer valve life
- Patented linear balancing system provides smoother performance
- Buyer protection package provides two-year consumer engine warranty

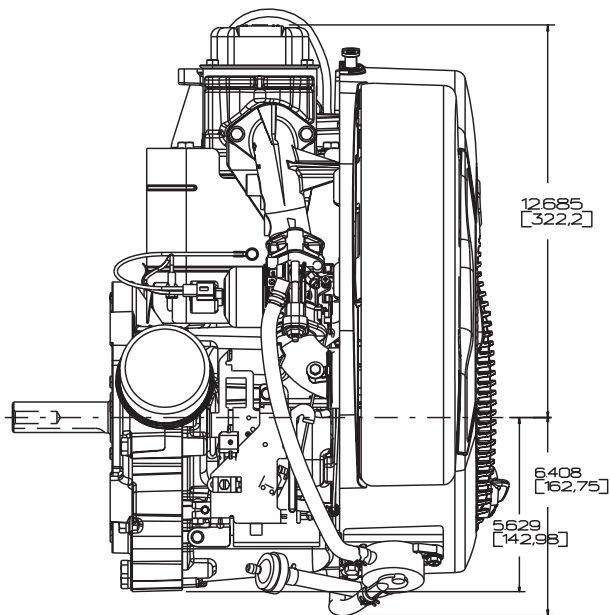
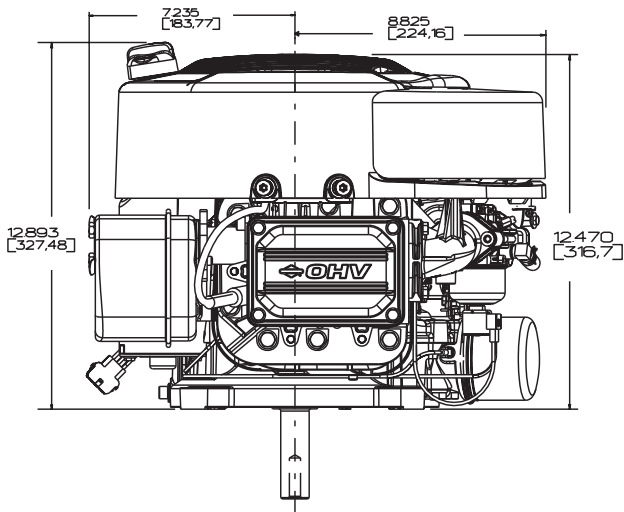
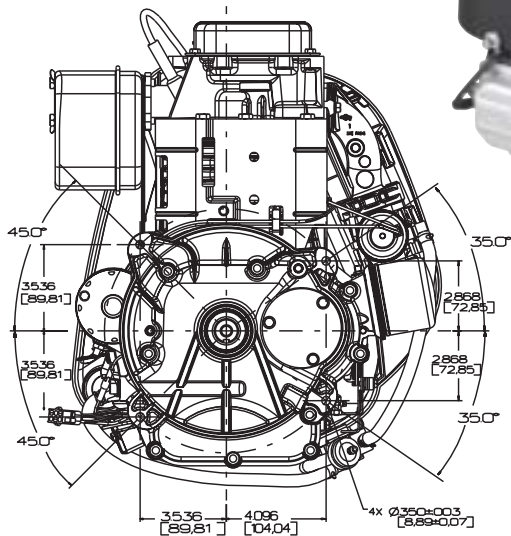
Model Type	Shipping Weight	Crankshaft	Crankshaft (P.T.O.) Extension	Dimension	Starter Position Bolt-On/Changeable	Ext. Oil Fill & Dipstick	Governor	Controls	Pulse Fuel Pump	Oil Pump with Filter	Choke-A-Matic®	Ground Wire Terminal	Fuel Tank (Quarts)	Top Governor Speed	Notes
285H07															
0026	89	697127	Tapped 7/16-20, Keyway, 1" dia.	3-5/32(b)		X	M	R	X		X	X	■	3300	▼
0028	86	697127	Tapped 7/16-20, Keyway, 1" dia.	3-5/32(b)		X	M	R			X	X	■	3300	†
285H77															
0036	89	697127	Tapped 7/16-20, Keyway, 1" dia.	3-5/32(b)		X	M	R	X	X	X	X	■	3300	▼

■ Fuel tank omitted. ▼ Engine equipped with 12 Volt Gear Drive Starter and 9 Amp DC Alternator
† Engine equipped with 12 Volt Gear Drive Starter and 16 Amp DC Alternator.

16 HP - Series 28CH00 Extended Life Series™



Displacement 28.4 cu. in. (465 cc)
Bore 3.44 in. (87.3 mm)
Stroke 3.06 in. (77.7 mm)
Oil Capacity 48 fl. oz. (1.4 l)



Features:

- Extended Life Series
- Dura-Bore™ cast iron cylinder sleeve for extended life
- Float carburetor for consistent easy starting
- Maintenance-free Magnetron® electronic ignition for quick, dependable starts
- Premium air cleaner has three times the cleaning capacity for superior protection
- Overhead valve design (OHV) for cooler operation and longer valve life
- Premium oil filter
- Platinum spark plugs for extended life
- Patented linear balancing system provides smoother performance
- Buyer protection package provides two-year consumer engine warranty

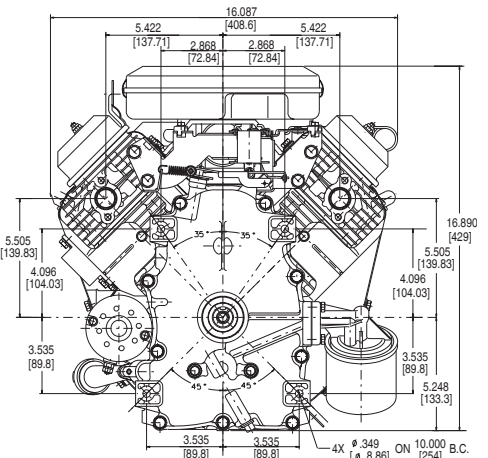
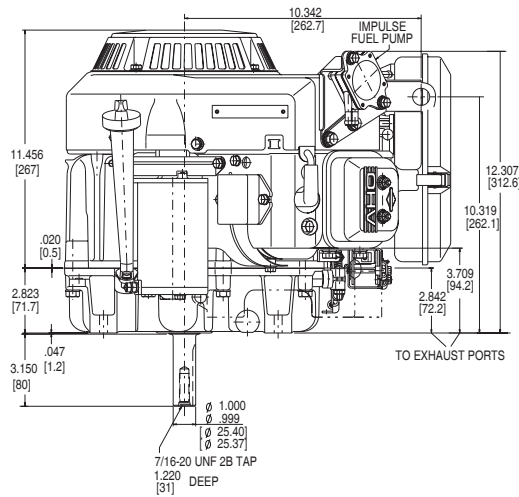
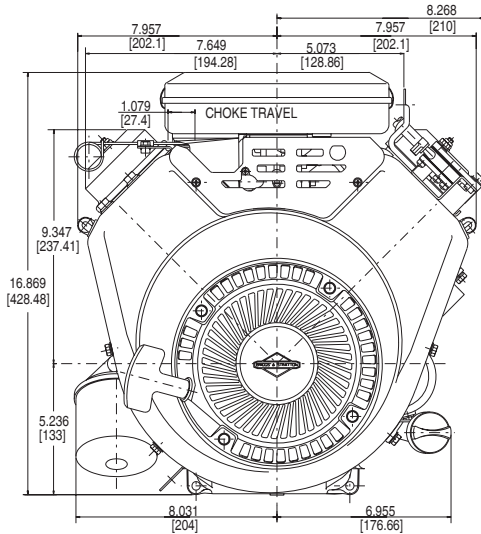
Model Type	Shipping Weight	Crankshaft	Crankshaft (P.T.O.) Extension	Dimension	Starter Position Bolt-On/Changeable	Ext. Oil Fill & Dipstick	Governor	Controls	Pulse Fuel Pump	Oil Pump with Filter	Choke-A-Matic®	Ground Wire Terminal	Fuel Tank (Quarts)	Top Governor Speed	Notes
28CH77															
0036	90	697516	Tapped 7/16-20, Keyway, 1" dia.	3-5/32(b)		X	M	R	X	X	X	X	■	3300	▼

■ Fuel tank omitted. ▼ Engine equipped with 12 Volt Gear Drive Starter and 9 Amp DC Alternator.

16 HP - Series 305700 Vanguard™



Displacement 29.30 cu. in. (480 cc)
Bore 2.68 in. (68 mm)
Stroke 2.60 in. (66 mm)
Oil Capacity 48 fl. oz. (1.42 l)



Features:

- Dura-Bore™ cast iron cylinder sleeve for extended life
- Dependable float feed type carburetor with integral fuel pump for remote mount fuel tank
- Maintenance-free Magnetron® electronic ignition for quick, dependable starts
- Dual-Clean™ air cleaner pleated paper filter with a foam pre-cleaner ensures maximum protection for extended engine life
- Full pressure lubrication with spin-on oil filter assures controlled lubrication for extended component life
- Overhead valve design (OHV) for cooler operation and longer valve life
- Buyer protection package provides two-year commercial engine warranty

Model Type	Shipping Weight	Crankshaft	Crankshaft (P.T.O.) Extension	Dimension	Starter Position Bolt-On/Changeable	Governor	Controls	Exhaust System	Fuel Tank (Quarts)	Ground Wire Terminal	Ext. Oil Fill & Dipstick	Oil Pump w/Filter	Remote Choke	Top Governor Speed	Notes
305772															
0020	81	692159	Tapped 7/16-20, Keyway, 1" dia.	3-5/32(b)	9	M	R	•	■	X	X	X	X	3600	
305777															
0032	85	692159	Tapped 7/16-20, Keyway, 1" dia.	3-5/32(b)		M	R	•	■	X	X	X	X	3300	†

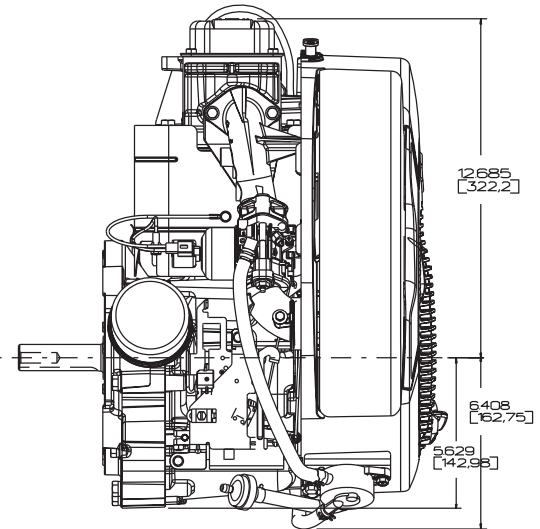
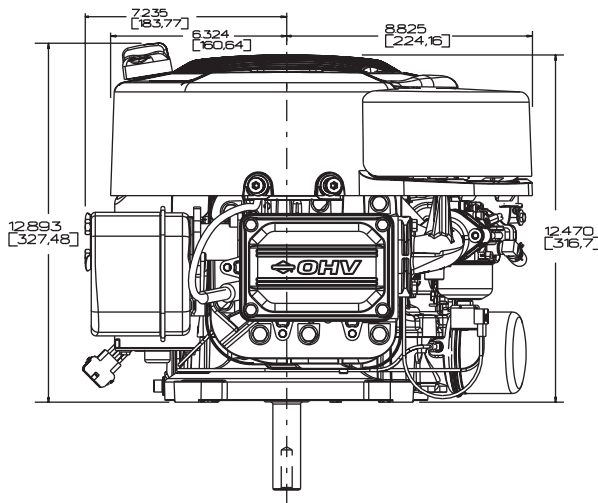
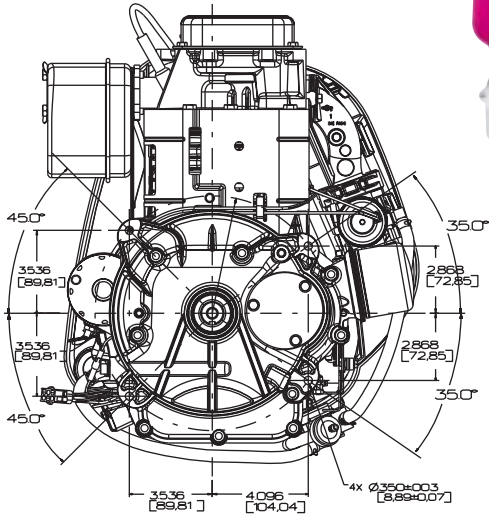
* Exhaust manifold and muffler omitted. See Engine Accessories Catalog MS-3880 for Exhaust Manifold and Muffler Options.

■ Fuel tank omitted † Engine equipped with 12 Volt Gear Drive Starter and 16 Amp DC Alternator.

17.5 HP - Series 31G700 INTEK™



Displacement 30.49 cu. in. (500 cc)
 Bore 3.562 in. (90.4 mm)
 Stroke 3.062 in. (77.8 mm)
 Oil Capacity 48 fl. oz. (1.4 l)



Features:

- Dura-Bore™ cast iron cylinder sleeve for extended life
- Float carburetor for consistent easy starting
- Maintenance-free Magnetron® electronic ignition for quick, dependable starts
- Dual-Clean™ air cleaner pleated paper filter with a foam pre-cleaner ensures maximum protection for extended engine life
- Overhead valve design (OHV) for cooler operation and longer valve life
- Patented linear balancing system provides smoother performance
- Buyer protection package provides two-year consumer engine warranty

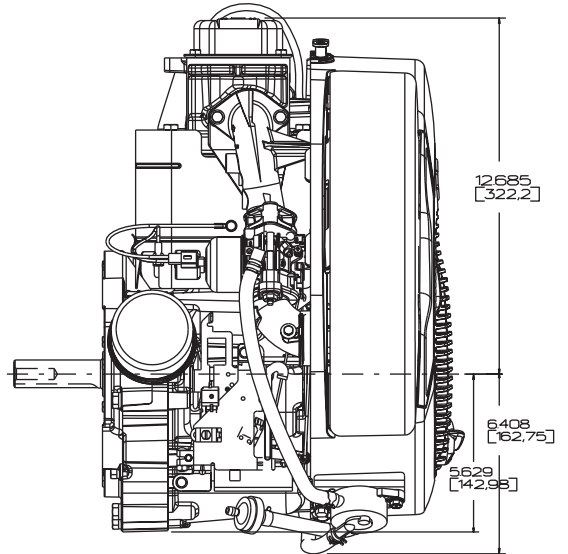
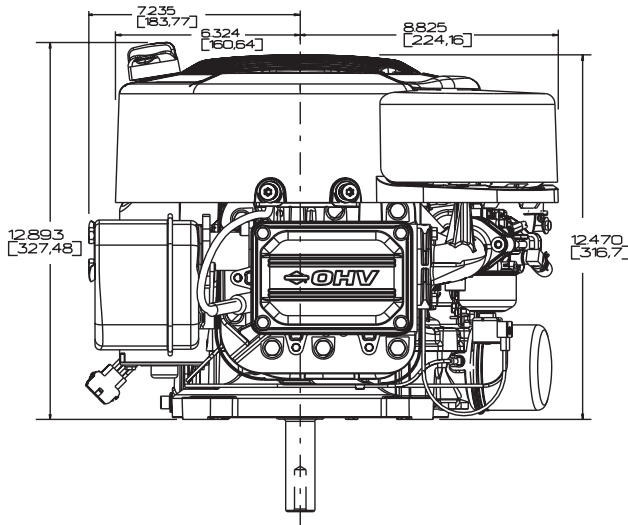
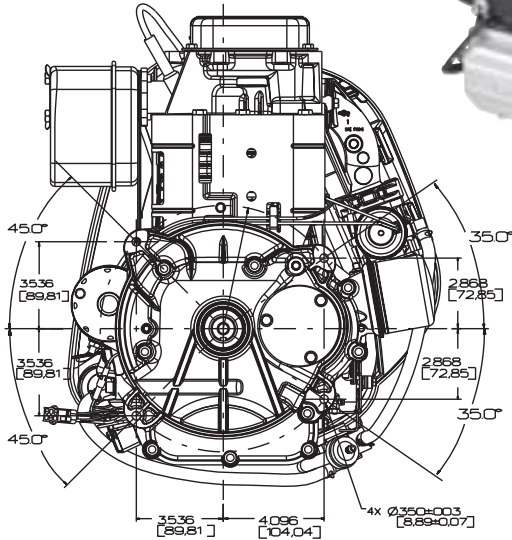
Model Type	Shipping Weight	Crankshaft	Crankshaft (P.T.O.) Extension	Dimension	Starter Position Bolt-On/Changeable	Ext. Oil Fill & Dipstick	Governor	Controls	Pulse Fuel Pump	Oil Pump with Filter	Choke-A-Matic®	Ground Wire Terminal	Fuel Tank (Quarts)	Top Governor Speed	Notes
31G707															
0026	88	697127	Tapped 7/16-20, Keyway, 1" dia.	3-5/32(b)		X	M	R	X		X	X	■	3300	▼
31G777															
0036	90	697127	Tapped 7/16-20, Keyway, 1" dia.	3-5/32(b)		X	M	R	X	X	X	X	■	3300	▼

■ Fuel tank omitted. ▼ Engine equipped with 12 Volt Gear Drive Starter and 9 Amp DC Alternator.

17.5 HP - Series 31L700 Extended Life Series™



Displacement 30.49 cu. in. (500 cc)
Bore 3.562 in. (90.4 mm)
Stroke 3.062 in. (77.8 mm)
Oil Capacity 48 fl. oz. (1.4 l)



Features:

- Extended Life Series
- Dura-Bore™ cast iron cylinder sleeve for extended life
- Float carburetor for consistent easy starting
- Maintenance-free Magnetron® electronic ignition for quick, dependable starts
- Premium air cleaner has three times the cleaning capacity for superior protection
- Overhead valve design (OHV) for cooler operation and longer valve life
- Patented linear balancing system provides smoother performance
- Premium oil filter
- Platinum spark plugs for extended life
- Buyer protection package provides two-year consumer engine warranty

Model Type	Shipping Weight	Crankshaft	Crankshaft (P.T.O.) Extension	Dimension	Starter Position Bolt-On/Changeable	Ext. Oil Fill & Dipstick	Governor	Controls	Pulse Fuel Pump	Oil Pump with Filter	Choke-A-Matic®	Ground Wire Terminal	Fuel Tank (Quarts)	Top Governor Speed	Notes
31L777															
0036	90	697516	Tapped 7/16-20, Keyway, 1" dia.	3-5/32(b)		X	M	R	X	X	X	X	■	3300	▼

■ Fuel tank omitted. ▼ Engine equipped with 12 Volt Gear Drive Starter and 9 Amp DC Alternator.

18.5 HP - Series 31N700 INTEK™ I/C®

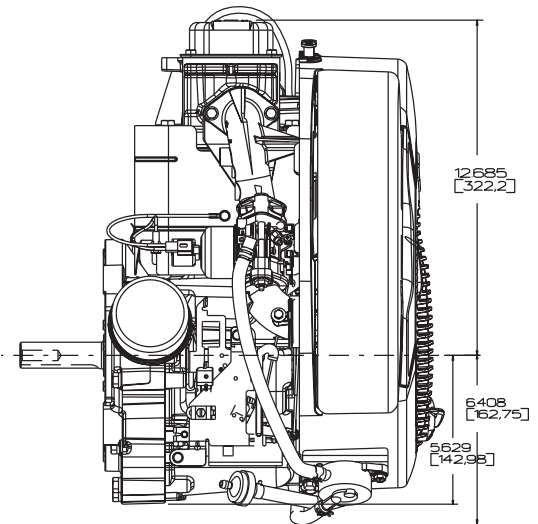
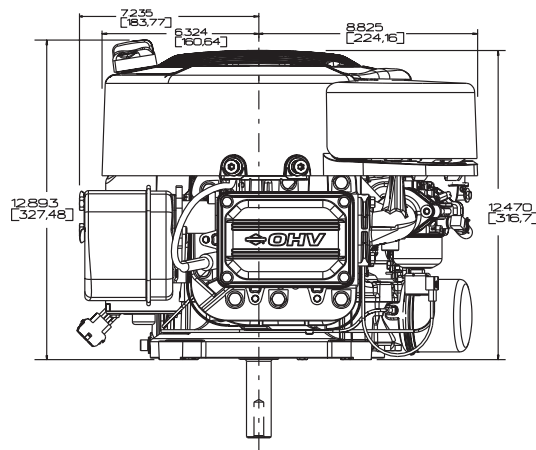
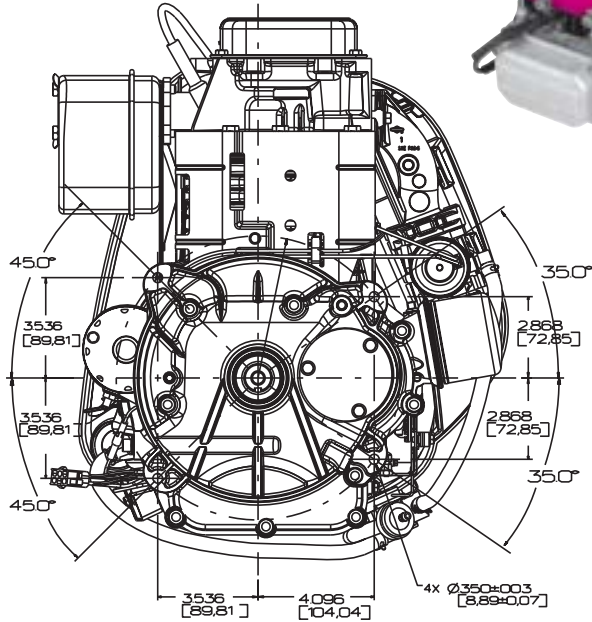


Displacement 30.49 cu. in. (500 cc)
Bore 3.562 in. (90.4 mm)
Stroke 3.062 in. (77.8 mm)
Oil Capacity 48 fl. oz. (1.4 l)



Features:

- Dura-Bore™ cast iron cylinder sleeve for extended life
- Float carburetor for consistent easy starting
- Maintenance-free Magnetron® electronic ignition for quick, dependable starts
- Dual-Clean™ air cleaner pleated paper filter with a foam pre-cleaner ensures maximum protection for extended engine life
- Overhead valve design (OHV) for cooler operation and longer valve life
- Patented linear balancing system provides smoother performance
- Buyer protection package provides two-year consumer engine warranty



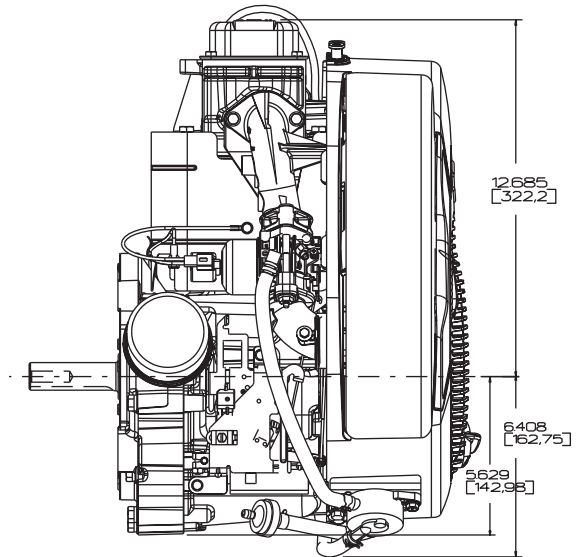
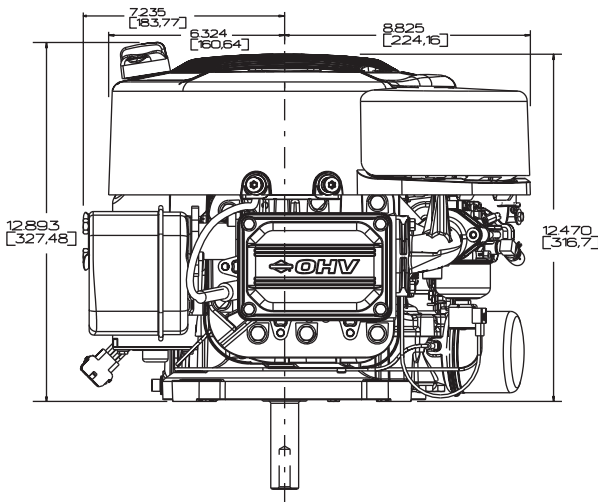
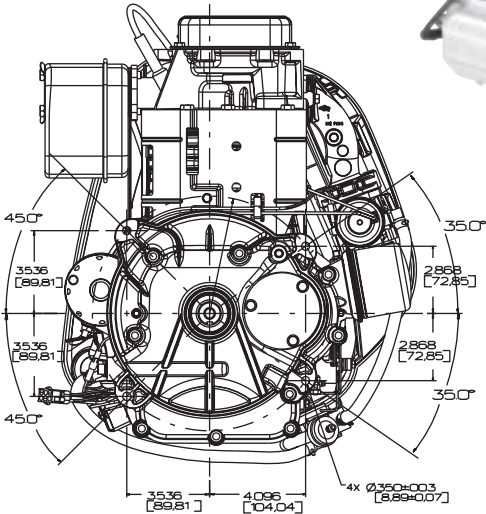
Model Type	Shipping Weight	Crankshaft	Crankshaft (P.T.O.) Extension	Dimension	Starter Position Bolt-On/Changeable	Ext. Oil Fill & Dipstick	Governor	Controls	Pulse Fuel Pump	Oil Pump with Filter	Choke-A-Matic®	Ground Wire Terminal	Fuel Tank (Quarts)	Top Governor Speed	Notes
31N707															
0026	88	697127	Tapped 7/16-20, Keyway, 1" dia.	3-5/32(b)		X	M	R	X		X	X	■	3300	▼

■ Fuel tank omitted. ▼ Engine equipped with 12 Volt Gear Drive Starter and 9 Amp DC Alternator.

18.5 HP - Series 31Q700 Extended Life Series™



Displacement 30.49 cu. in. (500 cc)
Bore 3.562 in. (90.4 mm)
Stroke 3.062 in. (77.8 mm)
Oil Capacity 48 fl. oz. (1.4 l)



Features:

- Extended Life Series
- Dura-Bore™ cast iron cylinder sleeve for extended life
- Float carburetor for consistent easy starting
- Maintenance-free Magnetron® electronic ignition for quick, dependable starts
- Premium air cleaner has three times the cleaning capacity for superior protection
- Overhead valve design (OHV) for cooler operation and longer valve life
- Patented linear balancing system provides smoother performance
- Premium oil filter
- Platinum spark plugs for extended life
- Buyer protection package provides two-year consumer engine warranty

Model Type	Shipping Weight	Crankshaft	Crankshaft (P.T.O.) Extension	Dimension	Starter Position Bolt-On/Changeable	Ext. Oil Fill & Dipstick	Governor	Controls	Pulse Fuel Pump	Oil Pump with Filter	Choke-A-Matic®	Ground Wire Terminal	Fuel Tank (Quarts)	Top Governor Speed	Notes
31Q777															
0036	90	697516	Tapped 7/16-20, Keyway, 1" dia.	3-5/32(b)		X	M	R	X	X	X	X	■	3300	▼

■ Fuel tank omitted. ▼ Engine equipped with 12 Volt Gear Drive Starter and 9 Amp DC Alternator.

20 HP - Series 358700 Vanguard™



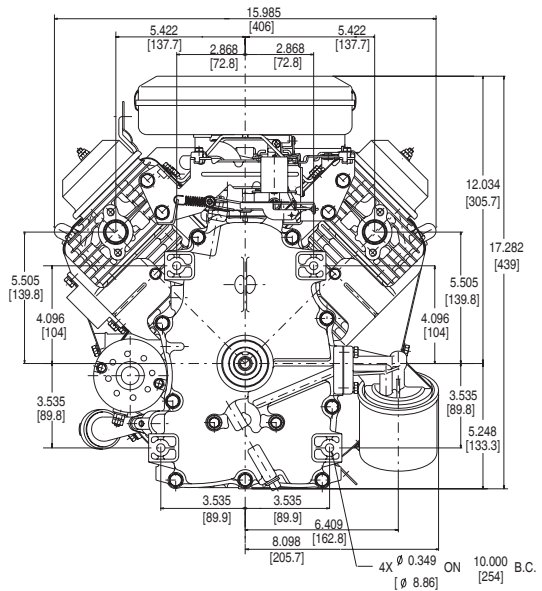
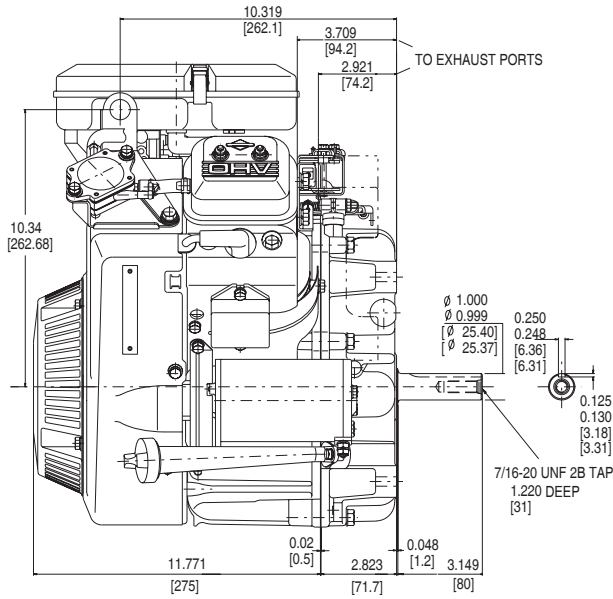
FEATURING
COOLER/CLEANER
TECHNOLOGY

Displacement 34.75 cu. in. (570 cc)
Bore 2.83 in. (72 mm)
Stroke 2.75 in. (70 mm)
Oil Capacity 48 fl. oz. (1.42 l)



Features:

- Dura-Bore™ cast iron cylinder sleeve for extended life
- Dependable float feed type carburetor with integral fuel pump for remote mount fuel tank
- Maintenance-free Magnetron® electronic ignition for quick, dependable starts
- Dual-Clean™ air cleaner pleated paper filter with a foam pre-cleaner ensures maximum protection for extended engine life
- Full pressure lubrication with spin-on oil filter assures controlled lubrication for extended component life
- Overhead valve design (OHV) for cooler operation and longer valve life
- Buyer protection package provides two-year commercial engine warranty



Model Type	Shipping Weight	Crankshaft	Crankshaft (P.T.O.) Extension	Dimension	Starter Position Bolt-On/Changeable	Governor	Controls	Exhaust System	Fuel Tank (Quarts)	Ground Wire Terminal	Ext. Oil Fill & Dipstick	Oil Pump w/Filter	Remote Choke	Top Governor Speed	Notes
358772															
0045	81	809807	Tapped 7/16-20, Keyway, 1" dia.	3-5/32(b)	9	M	R	•	■	X	X	X	X	3600	
358777															
0036	89	809807	Tapped 7/16-20, Keyway, 1" dia.	3-5/32(b)		M	R	•	■	X	X	X	X	3600	†

* Exhaust manifold and muffler omitted. See Engine Accessories Catalog MS-3880 for Exhaust Manifold and Muffler Options. ■ Fuel tank omitted
† Engine equipped with 12 Volt Gear Drive Starter and 16 Amp DC Alternator.

22 HP - Series 441700

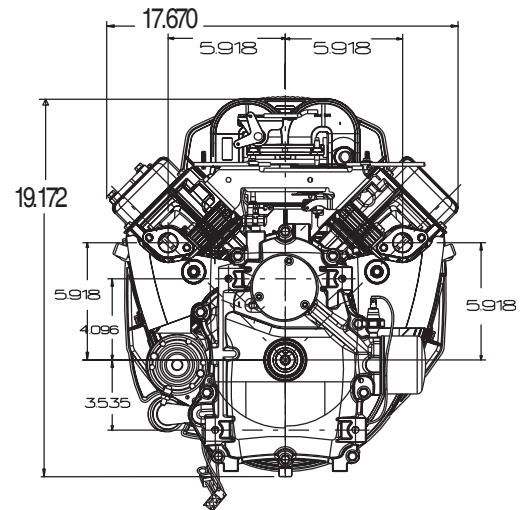
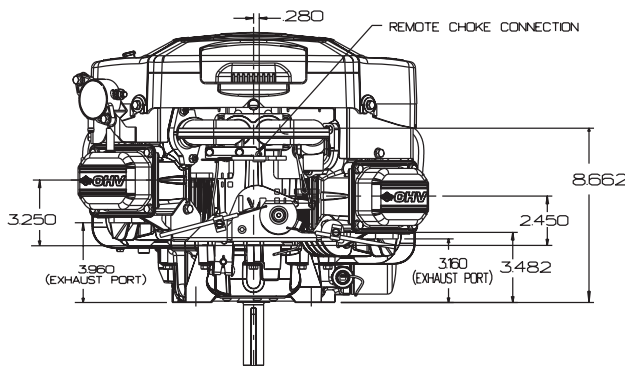
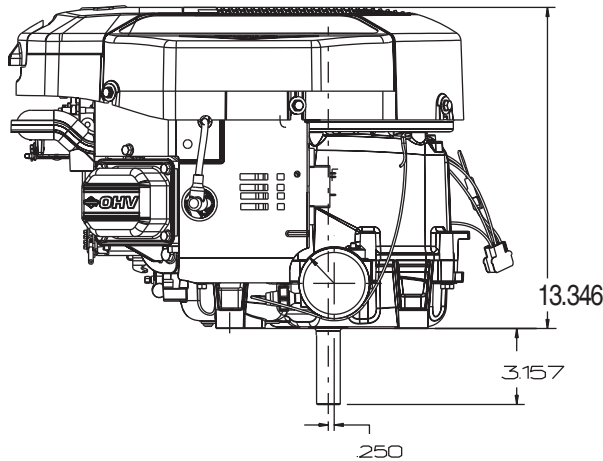
INTEK™

Displacement 44.20 cu. in. (724 cc)
 Bore 3.12 in. (79.0 mm)
 Stroke 2.89 in. (73.4 mm)
 Oil Capacity 60 fl. oz. (1.8 l) w/o Filter
 64 fl. oz. (1.9 l) w/Filter



Features:

- Dura-Bore™ cast iron cylinder sleeve for extended life
- Dependable float feed type carburetor with integral fuel pump for remote mount fuel tank
- Maintenance-free Magnetron® electronic ignition for quick, dependable starts
- Dual-Clean™ air cleaner pleated paper filter with a foam pre-cleaner ensures maximum protection for extended engine life
- Full pressure lubrication with spin-on oil filter assures controlled lubrication for extended component life
- Overhead valve design (OHV) for cooler operation and longer valve life
- Buyer protection package provides two-year consumer engine warranty



Model Type	Shipping Weight	Crankshaft	Crankshaft (P.T.O.) Extension	Dimension	Starter Position Bolt-On/Changeable	Governor	Controls	Exhaust System	Fuel Tank (Quarts)	Ground Wire Terminal	Ext. Oil Fill & Dipstick	Oil Pump w/Filter	Remote Choke	Top Governor Speed	Notes
441777															
0025	94	699700	Tapped 7/16-20, Keyway, 1" dia.	3-5/32(b)		M	R	•	■	X	X	X	X	3300	▼
0026	96	790132	Tapped 7/16-20, Keyway, 1-1/8" dia.	4-5/16(b)		M	R	•	■	X	X	X	X	3300	†
0027	96	699700	Tapped 7/16-20, Keyway, 1" dia.	3-5/32(b)		M	R	•	■	X	X	X	X	3300	†

* Exhaust manifold and muffler omitted. ■ Fuel tank omitted † Engine equipped with 12 Volt Gear Drive Starter and 16 AMP DC Alternator.
 ▼ Engine equipped with 12 Volt Gear Drive Starter and dual circuit Alternator. (3 AMP DC - 14 Volts AC)

22 HP - Series 44K700 Extended Life Series™

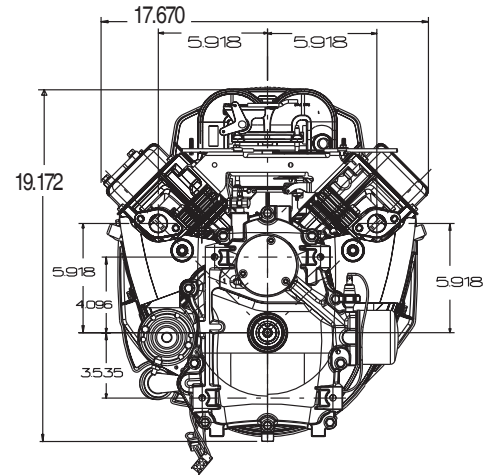
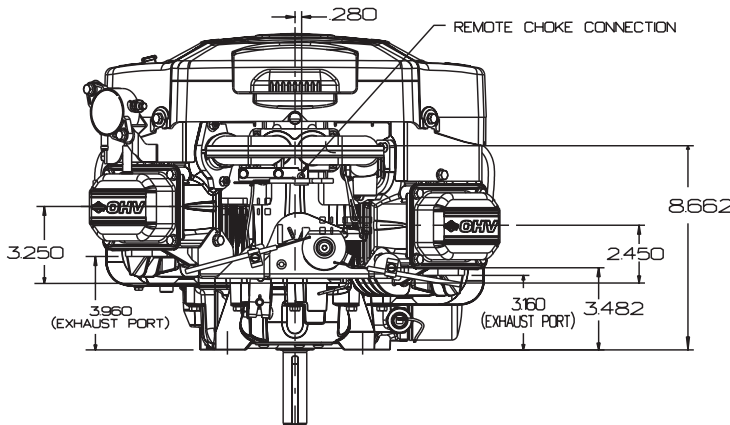
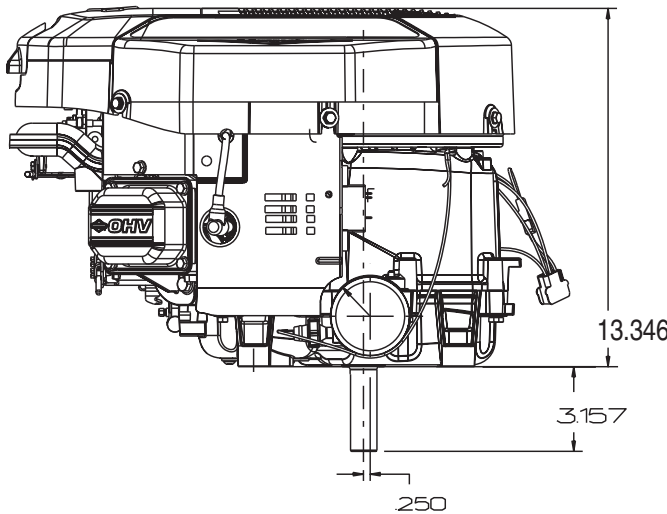


Displacement 44.20 cu. in. (724 cc)
 Bore 3.12 in. (79.0 mm)
 Stroke 2.89 in. (73.4 mm)
 Oil Capacity 60 fl. oz. (1.8 l) w/o Filter
 64 fl. oz. (1.9 l) w/Filter



Features:

- Extended Life Series
- Dura-Bore™ cast iron cylinder sleeve for extended life
- Dependable float feed type carburetor with integral fuel pump for remote mount fuel tank
- Maintenance-free Magnetron® electronic ignition for quick, dependable starts
- Dual-Clean™ air cleaner pleated paper filter with a foam pre-cleaner ensures maximum protection for extended engine life
- Full pressure lubrication with spin-on oil filter assures controlled lubrication for extended component life
- Overhead valve design (OHV) for cooler operation and longer valve life
- Platinum spark plugs for extended life
- Premium oil filter
- Buyer protection package provides two-year consumer engine warranty



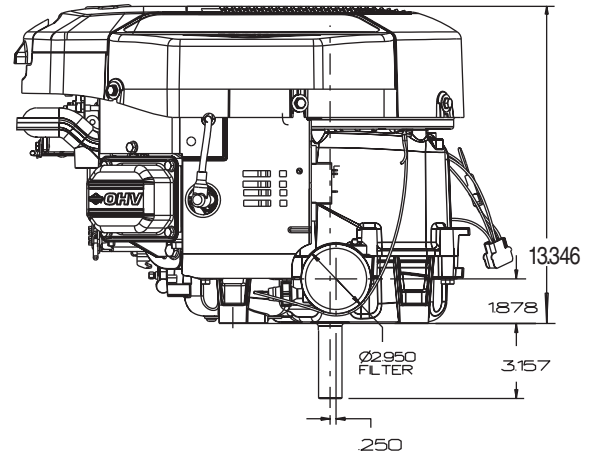
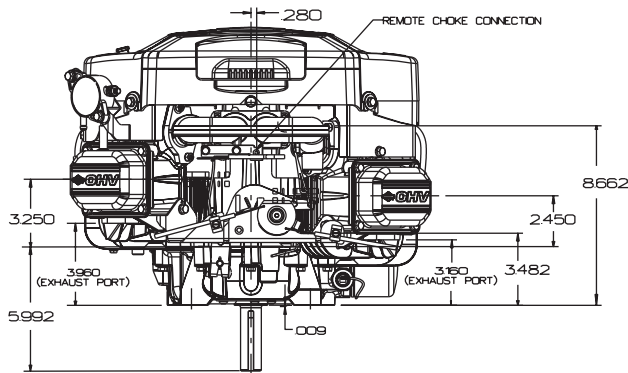
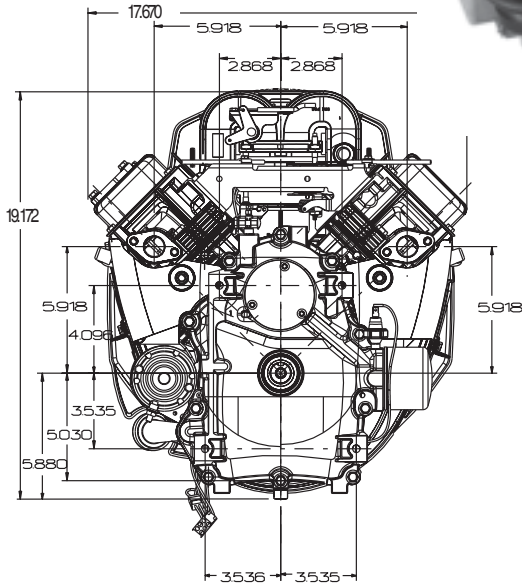
Model Type	Shipping Weight	Crankshaft	Crankshaft (P.T.O.) Extension	Dimension	Starter Position Bolt-On/Changeable	Governor	Controls	Exhaust System	Fuel Tank (Quarts)	Ground Wire Terminal	Ext. Oil Fill & Dipstick	Oil Pump w/Filter	Remote Choke	Top Governor Speed	Notes
44K777															
0026	95	790132	Tapped 7/16-20, Keyway, 1-1/8" dia.	4-5/16(b)		M	R	•	■	X	X	X	X	3600	†
0027	96	699700	Tapped 7/16-20, Keyway, 1" dia.	3-5/32(b)		M	R	•	■	X	X	X	X	3600	†

• Exhaust manifold and muffler omitted. ■ Fuel tank omitted. † Engine equipped with 12 Volt Gear Drive Starter and 16 Amp DC Alternator.

26 HP - Series 44P700 Extended Life Series



Displacement 44.20 cu. in. (724 cc)
 Bore 3.12 in. (79.0 mm)
 Stroke 2.89 in. (73.4 mm)
 Oil Capacity 60 fl. oz. (1.8 l) w/o Filter
 64 fl. oz. (1.9 l) w/Filter



Features:

- Extended Life Series
- Dura-Bore™ cast iron cylinder sleeve for extended life
- Dependable float feed type carburetor with integral fuel pump for remote mount fuel tank
- Maintenance-free Magnetron® electronic ignition for quick, dependable starts
- Dual-Clean™ air cleaner pleated paper filter with a foam pre-cleaner ensures maximum protection for extended engine life
- Full pressure lubrication with spin-on oil filter assures controlled lubrication for extended component life
- Overhead valve design (OHV) for cooler operation and longer valve life
- Platinum spark plugs for extended life
- Premium oil filter
- Buyer protection package provides two-year consumer engine warranty

Model Type	Shipping Weight	Crankshaft	Crankshaft (P.T.O.) Extension	Dimension	Starter Position Bolt-On/Changeable	Governor	Controls	Exhaust System	Fuel Tank (Quarts)	Ground Wire Terminal	Ext. Oil Fill & Dipstick	Oil Pump w/Filter	Remote Choke	Top Governor Speed	Notes
44P777															
0025	95	790136	Tapped 7/16-20, Keyway, 1" dia.	4-5/16(b)		M	R	•	■	X	X	X	X	3300	†
0026	96	790133	Tapped 7/16-20, Keyway, 1-1/8" dia.	4-5/16(b)		M	R	•	■	X	X	X	X	3300	†
0027	94	699708	Tapped 7/16-20, Keyway, 1" dia.	3-5/32(b)		M	R	•	■	X	X	X	X	3300	†

* Exhaust manifold and muffler omitted. ■ Fuel tank omitted. † Engine equipped with 12 Volt Gear Drive Starter and 16 Amp DC Alternator.

OUT OF PRODUCTION ENGINES
Quantity Limited to Factory & Distributor Stock

3.5 HP
Model Series 91200



Model Type	Shipping Weight	Crankshaft (P.T.O.) Extension	Dimension
91202			
1019	27	3/4" dia., Keyway, tapped 1/4-28	2-5/16(a)

3.5 HP
Model Series 93400



Model Type	Shipping Weight	Crankshaft (P.T.O.) Extension	Dimension
93412			
1015	33	3/4" dia., Keyway, tapped 1/4-28	2-5/16 (a)
1039	34	Tapered, tapped 5/16-24	2-13/16 (c)
1060	33	7/8" dia. tapped 3/8-24, 2 WK, and 3/16 Keyway	2-27/64 (c)
93432			
1035	34	Threaded 5/8-18	2-27/64 (c)
1036	34	3/4" dia., Keyway, tapped 5/16-24	2-27/64 (c)
1037	35	5/8" dia., Keyway	2-27/64 (c)
1038	32	Tapered, tapped 5/16-24	2-13/16 (c)
93452			
1049	38	6 to 1 Gear reduction, CCW rotation, Gear Shaft, 3/4" dia., Keyway	2 (a)

5 HP I/C®
Model Series 133200



Model Type	Shipping Weight	Crankshaft (P.T.O.) Extension	Dimension
133232			
1038	38	Tapered, tapped 5/16-24	2-13/16(c)
133237			
1050	46	3/4" dia., Keyway, tapped 5/16-24	2-27/64(c)

5 HP Industrial Plus™
Model Series 133400



Model Type	Shipping Weight	Crankshaft (P.T.O.) Extension	Dimension
133412			
1040	37	Tapered, tapped 5/16-24	2-13/16(c)

OUT OF PRODUCTION ENGINES - Quantity Limited to Factory & Distributor Stock

**5 HP
Model Series 135200**



Model Type	Shipping Weight	Crankshaft (P.T.O.) Extension	Dimension
135232			
1038	36	Tapered, tapped 5/16-24	2-13/16(c)

**8 HP
Model Series 192400**



Model Type	Shipping Weight	Crankshaft (P.T.O.) Extension	Dimension
192432			
1047	57	Threaded 1-14, 1" thread length	3-21/32(c)
1065	56	Tapered, Keyed, tapped 3/8-24	

**7.5 HP INTEK™ SNOW
Model Series 12D400**



Model Type	Shipping Weight	Crankshaft (P.T.O.) Extension	Dimension
12D412			
0007	39	3/4" dia., Keyway, tapped 5/16-24	2-27/64(c)
0009	40	1" dia., Keyway, tapped 5/16-24	2-27/64(c)
12D413			
0017	49	3/4" dia., Keyway, tapped 5/16-24	2-27/64(c)

**8 HP
Model Series 196400**



Model Type	Shipping Weight	Crankshaft (P.T.O.) Extension	Dimension
196432			
1047	64	Threaded 1-14, 1" thread length	3-21/32(c)

OUT OF PRODUCTION ENGINES - Quantity Limited to Factory & Distributor Stock

**11 HP
Model Series 256400**



Model Type	Shipping Weight	Crankshaft (P.T.O.) Extension	Dimension
256422			
1070	80	Tapered, Drill & Tap 5/16-24	4-11/32(c)

18 HP - Series 350400 Vanguard™



Model Type	Shipping Weight	Crankshaft (P.T.O.) Extension	Dimension
350442			
1365	88	1" dia., Keyway, tapped 3/8-24	2-29/32(c)
350447			
1009	98	1" dia., Keyway, tapped 3/8-24	2-29/32(c)
1079	89	1" dia., Keyway, tapped 3/8-24	2-29/32(c)
1087	90	1-1/8" dia., Keyway, tapped 7/16-20	4(c)
1105	89	Tapered, tapped 5/16-24	3-51/64(c)
1366	102	1" dia., Keyway, tapped 3/8-24	2-29/32(c)
1375	93	1" dia., Keyway, tapped 3/8-24	2-29/32(c)
1377	89	Threaded 1-14, 1" thread length	3-21/32(c)
1378	89	Tapered, tapped 5/16-24	3-51/64(c)
1396	96	1" dia., Keyway, tapped 3/8-24	2-29/32(c)

**16 HP - Series 303400
Vanguard™**



Model Type	Shipping Weight	Crankshaft (P.T.O.) Extension	Dimension
303442			
1327	95	1" dia., Keyway, tapped 3/8-24	2-29/32(c)
303447			
1105	89	Tapered, drill & tapped 5/16-24	3-51/64(c)
1323	96	1" dia., Keyway, tapped 3/8-24	2-29/32(c)
1368	103	1" dia., Keyway, tapped 3/8-24	2-29/32(c)
1375	87	1" dia., Keyway, tapped 3/8-24	2-29/32(c)
1377	88	Threaded 1-14, 1" thread length	3-21/32(c)
1378	87	Tapered, drill & tapped 5/16-24	3-51/64(c)
1379	86	1" dia., Keyway, tapped 3/8-24	2-29/32(c)

**20 HP VANGUARD™
Model Series 351400**



Model Type	Shipping Weight	Crankshaft (P.T.O.) Extension	Dimension
351447			
1048	93	1-1/8" dia., Keyway, tapped 7/16-20	4(c)
1077	91	Threaded 1-14, 1" thread length	3-21/32(c)
1078	93	Tapered, drill & tap 5/16-24	3-51/64(c)

OUT OF PRODUCTION ENGINES - Quantity Limited to Factory & Distributor Stock

**21 HP - Series 381400
Vanguard™**



Model Type	Shipping Weight	Crankshaft (P.T.O.) Extension	Dimension
381447			
0075	94	1" dia., Keyway, tapped 3/8-24	2-29/32(c)

3.75 HP Model Series 98900



Model Type	Shipping Weight	Crankshaft (P.T.O.) Extension	Dimension
98902			
1615	20	Tapped 3/8-24, 2 WK and 3/16 Keyway, 7/8" dia.	3-5/32(b)
1616	20	Tapped 3/8-24, 2 WK, and 3/16 Keyway, 7/8" dia.	2-7/16(b)
1618	20	Tapped 3/8-24, WK, and 3/16 Keyway, 7/8" dia.	1-13/16(b)
98982			
1650	24	Tapped 3/8-24, 2 WK, and 3/16 Keyway, 7/8" dia., Aux. P.T.O., 1/2" dia. CCW	3-5/32(b)
1651	24	Tapped 3/8-24, WK, and 3/16 Keyway, 7/8" dia., Aux. P.T.O., 1/2" dia. CW	3-5/32(b)

**23 HP - Series 380400
Vanguard™**



Model Type	Shipping Weight	Crankshaft (P.T.O.) Extension	Dimension
380447			
0048	87	1-1/8" dia., Keyway, tapped 7/16-20	4 (c)
0065	87	1" dia., Keyway, tapped 3/8-24	2-29/32(c)
0077	87	Threaded 1-14, 1" thread length	3-21/32(c)
0078	85	Tapered, drill & tap 5/16-24	3-51/64(c)
0079	85	1" dia., Keyway, tapped 3/8-24	2-29/32(c)

**4 HP
Model Series 10A900**



Model Type	Shipping Weight	Crankshaft (P.T.O.) Extension	Dimension
10A902			
1616	25	Tapped 3/8-24, 2 WK, and 3/16 Keyway, 7/8" dia.	2-7/16(b)
1618	24	Tapped 3/8-24, WK, and 3/16 Keyway, 7/8" dia.	1-13/16(b)
10A982			
1650	25	Tapped 3/8-24, 2 WK, and 3/16 Keyway, 7/8" dia., Aux. P.T.O., 1/2" dia. CCW	3-5/32(b)
1651	26	Tapped 3/8-24, WK, and 3/16 Keyway, 7/8" dia., Aux. P.T.O., 1/2" dia. CW	3-5/32(b)

OUT OF PRODUCTION ENGINES - Quantity Limited to Factory & Distributor Stock

**4.5 HP
Model Series 10G900**



Model Type	Shipping Weight	Crankshaft (P.T.O.) Extension	Dimension
10G902			
0016	25	Tapped 3/8-24, 2 WK, and 3/16 Keyway, 7/8" dia.	2-7/16(b)
0018	24	Tapped 3/8-24, WK, and 3/16 Keyway, 7/8" dia.	1-13/16(b)

**5 HP Quantum®
Model Series 122K00**



Model Type	Shipping Weight	Crankshaft (P.T.O.) Extension	Dimension
122K82			
0050	29	Tapped 3/8-24, 2 WK & Keyway, 7/8" dia., Aux. P.T.O. 1/2 dia., CW.	3-5/32(b)
0051	28	Tapped 3/8-24, 2WK & Keyway, 7/8" dia., Aux. P.T.O. 1/2 dia., CCW	3-5/32(b)

**5 HP Quantum®
Model Series 12F800**



Model Type	Shipping Weight	Crankshaft (P.T.O.) Extension	Dimension
12F802			
2916	29	Tapped 3/8-24, WK & Keyway, 7/8" dia.	2-7/16(b)
2918	30	Tapped 3/8-24, WK & Keyway, 7/8" dia.	1-13/16(b)
12F807			
2960	32	Tapped 3/8-24, 2 WK & Keyway, 7/8" dia.	3-5/32(b)
12F882			
2951	30	Tapped 3/8-24, 2 WK & Keyway, 7/8" dia., Aux. P.T.O. 1/2 dia., CCW	3-5/32(b)

**5.5 HP Quantum® Diamond Plus
Model Series 129800**



Model Type	Shipping Weight	Crankshaft (P.T.O.) Extension	Dimension
129882			
2950	31	Tapped 3/8-24, 2 WK & Keyway, 7/8" dia., Aux. P.T.O. 1/2 dia., CW	3-5/32(b)
2951	29	Tapped 3/8-24, 2 WK & Keyway, 7/8" dia., Aux. P.T.O. 1/2 dia., CCW	3-5/32(b)

OUT OF PRODUCTION ENGINES - Quantity Limited to Factory & Distributor Stock

**6 HP Quantum® Diamond Plus
Model Series 12J800**



Model Type	Shipping Weight	Crankshaft (P.T.O.) Extension	Dimension
12J882			
2950	30	Tapped 3/8-24, 2 WK & Keyway, 7/8" dia., Aux. P.T.O. 1/2 dia., CW	3-5/32(b)
2951	30	Tapped 3/8-24, 2 WK & Keyway, 7/8" dia., Aux. P.T.O. 1/2 dia., CCW	3-5/32(b)
12J887			
2981	33	Tapped 3/8-24, 2 WK & Keyway, 7/8" dia., Aux. P.T.O. 1/2 dia., CCW	3-5/32(b)
2982	33	Tapped 3/8-24, 2 WK & Keyway, 7/8" dia., Aux. P.T.O. 1/2 dia., CCW	3-5/32(b)

**6 HP INTEK™ EDGE
Model Series 121600**



Model Type	Shipping Weight	Crankshaft (P.T.O.) Extension	Dimension
121602			
0021	31	Tapped 3/8-24, 2 WK & Keyway, 7/8" dia	2-7/16(b)
0022	32	Tapped 3/8-24, WK & Keyway, 7/8" dia.	1-13/16(b)
121682			
0050	33	Tapped 3/8-24, 2 WK & Keyway, 7/8" dia. Aux. P.T.O. 1/2" dia. CW	3-5/32(b)

**6.5 HP INTEK™ EDGE
Model Series 121600**



Model Type	Shipping Weight	Crankshaft (P.T.O.) Extension	Dimension
121682			
0550	34	Tapped 3/8-24, 2 WK & Keyway, 7/8" dia. Aux. P.T.O. 1/2" dia. CW	3-5/32(b)
0551	34	Tapped 3/8-24, 2 WK & Keyway, 7/8" dia. Aux. P.T.O. 1/2" dia. CCW	3-5/32(b)

**8 HP Power Built™
Model Series 194700**



Model Type	Shipping Weight	Crankshaft (P.T.O.) Extension	Dimension
194702			
4519	51	Tapped 3/8-24, WK, 1" - 7/8" dia.	1-13/16(b)

OUT OF PRODUCTION ENGINES - Quantity Limited to Factory & Distributor Stock

**9 HP Power Built™ OHV
Model Series 212700**



Model Type	Shipping Weight	Crankshaft (P.T.O.) Extension	Dimension
212702			
0015	65	Tapped 7/16-20, Keyway, 1" dia.	3-5/32(b)
212707			
0025	72	Tapped 7/16-20, Keyway, 1" dia.	3-5/32(b)
0026	72	Tapped 7/16-20, Keyway, 1" dia.	3-5/32(b)

**10.5 HP
Model Series 28B700**



Model Type	Shipping Weight	Crankshaft (P.T.O.) Extension	Dimension
28B702			
1016	79	Tapped 7/16-20, Keyway, 1" dia.	3-5/32(b)
1020	81	Tapped 7/16-20, Keyway, 1" dia.	3-5/32(b)
28B707			
1019	90	Tapped 7/16-20, Keyway, 1" dia.	3-5/32(b)

**9 HP INTEK™
Model Series 212900**



Model Type	Shipping Weight	Crankshaft (P.T.O.) Extension	Dimension
212902			
0015	70	Tapped 7/16-20, Keyway, 1" dia.	3-5/32(b)
0020	71	Tapped 7/16-20, Keyway, 1" dia.	3-5/32(b)
212907			
0025	76	Tapped 7/16-20, Keyway, 1" dia.	3-5/32(b)
0026	77	Tapped 7/16-20, Keyway, 1" dia.	3-5/32(b)
0028	79	Tapped 7/16-20, Keyway, 1" dia.	3-5/32(b)

**11 HP INTEK™
Model Series 216900**



Model Type	Shipping Weight	Crankshaft (P.T.O.) Extension	Dimension
216902			
0015	72	Tapped 7/16-20, Keyway, 1" dia.	3-5/32(b)
0016	69	Tapped 7/16-20, Keyway, 1" dia.	3-5/32(b)
0020	72	Tapped 7/16-20, Keyway, 1" dia.	3-5/32(b)
216907			
0019	77	Tapped 7/16-20, Keyway, 1" dia.	3-5/32(b)
0025	77	Tapped 7/16-20, Keyway, 1" dia.	3-5/32(b)
0028	77	Tapped 7/16-20, Keyway, 1" dia.	3-5/32(b)

OUT OF PRODUCTION ENGINES - Quantity Limited to Factory & Distributor Stock

**12 HP Power Built™
Model Series 284700**



Model Type	Shipping Weight	Crankshaft (P.T.O.) Extension	Dimension
284707			
1026	79	Tapped 7/16-20, Keyway, 1" dia.	3-5/32 (b)

**12.5 HP I/C® Quiet
Model Series 286700**



Model Type	Shipping Weight	Crankshaft (P.T.O.) Extension	Dimension
286702			
4515	77	Tapped 7/16-20, Keyway, 1" dia.	3-5/32(b)
4516	77	Tapped 7/16-20, Keyway, 1" dia.	3-5/32(b)
286707			
4520	76	Tapped 7/16-20, Keyway, 1" dia.	3-5/32(b)
4525	79	Tapped 7/16-20, Keyway, 1" dia.	3-5/32(b)
4526	78	Tapped 7/16-20, Keyway, 1" dia.	3-5/32(b)
4528	83	Tapped 7/16-20, Keyway, 1" dia.	3-5/32(b)
4529	80	Tapped 7/16-20, Keyway, 1" dia.	3-5/32(b)

**12 HP Power Built™ OHV
Model Series 218700**



Model Type	Shipping Weight	Crankshaft (P.T.O.) Extension	Dimension
218707			
0026	72	Tapped 7/16-20, Keyway, 1" dia.	3-5/32(b)

**13 HP I/C® Diamond Plus
Model Series 28M700**



Model Type	Shipping Weight	Crankshaft (P.T.O.) Extension	Dimension
28M707			
1026	79	Tapped 7/16-20, Keyway, 1" dia.	3-5/32(b)
1029	79	Tapped 7/16-20, Keyway, 1" dia.	3-5/32(b)

OUT OF PRODUCTION ENGINES - Quantity Limited to Factory & Distributor Stock

**16 HP - Series 303700
Vanguard™**



Model Type	Shipping Weight	Crankshaft (P.T.O.) Extension	Dimension
303772			
1020	81	Tapped 7/16-20, Keyway, 1" dia.	3-5/32(b)
303777			
1032	85	Tapped 7/16-20, Keyway, 1" dia.	3-5/32(b)

**20 HP - Series 351700
Vanguard™**



Model Type	Shipping Weight	Crankshaft (P.T.O.) Extension	Dimension
351772			
1045	81	Tapped 7/16-20, Keyway, 1" dia.	3-5/32(b)
351777			
1036	89	Tapped 7/16-20, Keyway, 1" dia.	3-5/32(b)

**18 HP - Series 350700
Vanguard™**



Model Type	Shipping Weight	Crankshaft (P.T.O.) Extension	Dimension
350776			
1046	81	Tapped 7/16-20, Keyway, 1" dia.	3-5/32(b)
350777			
1034	86	Tapped 7/16-20, Keyway, 1" dia.	3-5/32(b)

**22 HP - Series 407500
INTEK™**



Model Type	Shipping Weight	Crankshaft (P.T.O.) Extension	Dimension
407577			
0025	94	Tapped 7/16-20, Keyway, 1" dia.	3-5/32(b)
0026	96	Tapped 7/16-20, Keyway, 1-1/8" dia.	4-5/16(b)
0027	96	Tapped 7/16-20, Keyway, 1" dia.	3-5/32(b)

OUT OF PRODUCTION ENGINES - Quantity Limited to Factory & Distributor Stock

**22 HP - Series 40H700
Extended Life Series™**



Model Type	Shipping Weight	Crankshaft (P.T.O.) Extension	Dimension
40H777			
0026	95	Tapped 7/16-20, Keyway, 1-1/8" dia.	4-5/16(b)
0027	96	Tapped 7/16-20, Keyway, 1" dia.	3-5/32(b)

**25 HP INTEK™ V-Twin
Model Series 445700**



Model Type	Shipping Weight	Crankshaft (P.T.O.) Extension	Dimension
445777			
0027	97	Tapped 7/16-20, Keyway, 1" dia.	3-5/32(b)

**23 HP - Series 380700
Vanguard™**



Model Type	Shipping Weight	Crankshaft (P.T.O.) Extension	Dimension
380777			
0024	83	Tapped 7/16-20, Keyway, 1-1/8" dia.	3-5/32(b)
0036	82	Tapped 7/16-20, Keyway, 1" dia.	3-5/32(b)

**26 HP - Series 446700
Extended Life Series™**



Model Type	Shipping Weight	Crankshaft (P.T.O.) Extension	Dimension
446777			
0025	95	Tapped 7/16-20, Keyway, 1" dia.	4-5/16(b)
0126	96	Tapped 7/16-20, Keyway, 1-1/8" dia.	4-5/16(b)
0127	94	Tapped 7/16-20, Keyway, 1" dia.	3-5/32(b)

BRIGGS & STRATTON ENGINE OWNER WARRANTY POLICY

Effective January 1, 2006 replaces all undated Warranties and all Warranties dated before January 1, 2006

LIMITED WARRANTY

Briggs & Stratton Corporation will repair or replace, free of charge, any part(s) of the engine that is defective in material or workmanship or both. Transportation charges on product submitted for repair or replacement under this warranty must be borne by purchaser. This warranty is effective for the time periods and subject to the conditions stated below. For warranty service, find the nearest Authorized Service Dealer in our dealer locator map at www.briggsandstratton.com, or by calling 1-800-233-3723, or as listed in the 'Yellow Pages™'.

THERE IS NO OTHER EXPRESS WARRANTY. IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO ONE YEAR FROM PURCHASE, OR TO THE EXTENT PERMITTED BY LAW ANY AND ALL IMPLIED WARRANTIES ARE EXCLUDED. LIABILITY FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES ARE EXCLUDED TO THE EXTENT EXCLUSION IS PERMITTED BY LAW. Some states or countries do not allow limitations on how long an implied warranty lasts, and some states or countries do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation and exclusion may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from state to state and country to country.

Brand / Type	WARRANTY TERMS**		
	Consumer Use	Commercial Use	Condition of Warranty Term
Classic™	1 year	90 days	2 years Consumer Use in European Union
Etek™	1 year	1 year	
Extended Life Series™	2 years	1 year	
Fource™	2 years	90 days	
I/C®	2 years	1 year	
Industrial Plus™	2 years	1 year	
Intek™ (Kool Bore™)	2 years	90 days	
Intek™ (Sleeve Bore)	2 years	1 year	
Kerosene fuel operated engines	1 year	90 days	
Power Built™ OHV	2 years	90 days	
Q45™	2 years	90 days	
Quantum®	2 years	90 days	
Quattro™	2 years	90 days	
Sprint™	2 years	90 days	
Vanguard™	2 years	2 years	
2-Cycle Snow engine	2 years	90 days	
Touch-N-Mow® Starter	5 years	90 days	Equipped on Quantum® or Intek™ engines

Engines used on Home Standby Generator applications are warranted under consumer use only. This warranty does not apply to engines on equipment used for prime power in place of a utility. **Engines used in competitive racing or on commercial or rental tracks are not warranted.

The warranty period begins on the date of purchase by the first retail consumer or commercial end user, and continues for the period of time stated in the table above. "Consumer use" means personal residential household use by a retail consumer. "Commercial use" means all other uses, including use for commercial, income producing or rental purposes. Once an engine has experienced commercial use, it shall thereafter be considered as a commercial use engine for purposes of this warranty.

NO WARRANTY REGISTRATION IS NECESSARY TO OBTAIN WARRANTY ON BRIGGS & STRATTON PRODUCTS. SAVE YOUR PROOF OF PURCHASE RECEIPT. IF YOU DO NOT PROVIDE PROOF OF THE INITIAL PURCHASE DATE AT THE TIME WARRANTY SERVICE IS REQUESTED, THE MANUFACTURING DATE OF THE PRODUCT WILL BE USED TO DETERMINE THE WARRANTY PERIOD.

ABOUT YOUR ENGINE WARRANTY

Briggs & Stratton welcomes warranty repair and apologizes to you for being inconvenienced. Any Authorized Service Dealer may perform warranty repairs. Most warranty repairs are handled routinely, but sometimes requests for warranty service may not be appropriate. For example, warranty would not apply if engine damage occurred because of misuse, lack of routine maintenance, shipping, handling, warehousing or improper installation. Similarly, warranty is void if the serial number of the engine has been removed or the engine has been altered or modified. If a customer differs with the decision of the Service Dealer, an investigation will be made to determine whether the warranty applies. Ask the Service Dealer to submit all supporting facts to his Distributor or the Factory for review. If the Distributor or the Factory decides that the claim is justified, the customer will be fully reimbursed for those items that are defective. To avoid misunderstanding which might occur between the customer and the Dealer, listed below are some of the causes of engine failure that the warranty does not cover.

Normal wear:

Engines, like all mechanical devices, need periodic parts service and replacement to perform well. Warranty will not cover repair when normal use has exhausted the life of a part or an engine.

Improper maintenance:

The life of an engine depends upon the conditions under which it operates, and the care it receives. Some applications, such as tillers, pumps and rotary mowers, are very often used in dusty or dirty conditions, which can cause what appears to be premature wear. Such wear, when caused by dirt, dust, spark plug cleaning grit, or other abrasive material that has entered the engine because of improper maintenance, is not covered by warranty.

This warranty covers engine related defective material and/or workmanship only, and not replacement or refund of the equipment to which the engine may be mounted. Nor does the warranty extend to repairs required because of:

1. PROBLEMS CAUSED BY PARTS THAT ARE NOT ORIGINAL BRIGGS & STRATTON PARTS.
2. Equipment controls or installations that prevent starting, cause unsatisfactory engine performance, shorten engine life, or engines used for prime power. (Contact equipment manufacturer.)
3. Leaking carburetors, clogged fuel pipes, sticking valves, or other damage, caused by using contaminated or stale fuel.
4. Parts which are scored or broken because an engine was operated with insufficient or contaminated lubricating oil, or an incorrect grade of lubricating oil (check oil level daily or after every 8 hours of operation. Refill when necessary and change at recommended intervals.) OIL GARD® may not shut down running engine. Engine damage may occur if oil level is not properly maintained.
5. Repair or adjustment of associated parts or assemblies such as clutches, transmissions, remote controls, etc., which are not manufactured by Briggs & Stratton.
6. Damage or wear to parts caused by dirt, which entered the engine because of improper air cleaner maintenance, re-assembly, or use of a non-original air cleaner element or cartridge. At recommended intervals, clean and/or replace the filter as stated in the Operator's Manual.

7. Parts damaged by over-speeding, or overheating caused by grass, debris, or dirt, which plugs or clogs the cooling fins, or flywheel area, or damage caused by operating the engine in a confined area without sufficient ventilation. Clean engine debris at recommended intervals as stated in the Operator's Manual.
8. Engine or equipment parts broken by excessive vibration caused by a loose engine mounting, loose cutter blades, unbalanced blades or loose or unbalanced impellers, improper attachment of equipment to engine crankshaft, over-speeding or other abuse in operation.
9. A bent or broken crankshaft, caused by striking a solid object with the cutter blade of a rotary lawn mower, or excessive v-belt tightness.
10. Routine tune-up or adjustment of the engine.
11. Engine or engine component failure, i.e., combustion chamber, valves, valve seats, valve guides, or burned starter motor windings, caused by the use of alternate fuels such as, liquified petroleum, natural gas, altered gasolines, etc.

Warranty service is available only through service dealers which have been authorized by Briggs & Stratton Corporation. Locate your nearest Authorized Service Dealer in our dealer locator map at www.briggsandstratton.com or by calling 1-800-233-3723, or as listed in the 'Yellow Pages'™.

Briggs & Stratton Engines Are Made Under One Or More Of The Following Patents: Design D-247,177 (Other Patents Pending)

6,691,683	6,495,267	6,311,663	6,142,257	5,992,367	5,765,713	5,546,901	5,235,943	5,086,890	4,819,593	D 476,629
6,647,942	6,494,175	6,284,123	6,135,426	5,904,124	5,732,555	5,445,014	5,234,038	5,070,829	4,720,638	D 457,891
6,622,683	6,472,790	6,263,852	6,116,212	5,894,715	5,645,025	5,503,125	5,228,487	5,058,544	4,719,682	D 368,187
6,615,787	6,460,502	6,260,529	6,105,548	5,887,678	5,642,701	5,501,203	5,197,426	5,040,644	4,633,556	D 375,963
6,617,725	6,456,515	6,242,828	6,347,614	5,852,951	5,628,352	5,497,679	5,197,425	5,009,208	4,630,498	D 309,457
6,603,227	6,382,166	6,239,709	6,082,323	5,843,345	5,619,845	5,320,795	5,197,422	4,996,956	4,522,080	D 372,871
6,595,897	6,369,532	6,237,555	6,077,063	5,823,153	5,606,948	5,301,643	5,191,864	4,977,879	4,520,288	D 361,771
6,595,176	6,356,003	6,230,678	6,064,027	5,819,513	5,606,851	5,271,363	5,188,069	4,977,877	4,512,499	D 356,951
6,584,964	6,349,688	6,213,083	6,040,767	5,813,384	5,605,130	5,269,713	5,186,142	4,971,219	4,453,507	D 309,457
6,557,833	6,347,614	6,202,616	6,014,808	5,809,958	5,497,679	5,265,700	5,150,674	4,895,119	4,430,984	D 308,872
6,542,074	6,325,036	6,145,487	6,012,420	5,803,035	5,548,955	5,243,878	5,138,996	4,875,448		D 308,871
6,520,141										

ELECTRIC STARTER KITS

Part Number	Used On	Shipping Weight
12 VOLT GEAR DRIVE STARTER KITS		
(Intended for use above - 20° F)		
394951	For use on engines with an ALUMINUM ring gear already mounted on flywheel. Kit No. 394951 may be used only on engines with type nos. 0500 and up in Model Series 146400, 147400, 146700* and 147700* - and all type nos. in Model Series 170400, 170700*, 171700* and 190000	8
394952	For use on engines that do not have ring gear already mounted on flywheel. Kit includes a new flywheel and aluminum ring gear, less charging magnets. Kit No. 394952 may be used only on engines with type nos. 0500 and up in Model Series 146400, 146700* and 147700 - all type nos. in Model Series 170400, 170700*, 171700* and 190000	18
394953	For use on engines with an aluminum ring gear already mounted on flywheel. Kit No. 394953 may be used on engines for all type nos. in Model Series 170400, 170700*, 171700*, 190000, 220000 and 250000 * Kits cannot be used on Vertical Shaft Models with 2 quart fuel tank welded to blower housing	7
<p>Note: For engines with a STEEL ring gear on flywheel, use 394952 which includes a new flywheel and aluminum ring gear less charging magnets.</p>		

120 VOLT GEAR DRIVE STARTER KITS

(Intended for use above - 20° F)

390922	Used only on Model Series 130200 which are already equipped to receive an electric starter.	5
396506	For use on engines with an ALUMINUM ring gear already mounted on flywheel. Kit No. 396506 may be used only on engines with type nos. 0500 and up in Model Series 146400, 147400, 146700* and 147700* - and all type nos. in Model Series 170400, 170700*, 190000, 220000 and 250000 * Kit cannot be used on Vertical Shaft Models with 2 quart fuel tank welded to blower housing.	8
396507	For use on engine Model Series shown above except Model Series 220000 and 250000 includes flywheel and aluminum ring gear assembly.	19
695660	Used on Model Series 120000 which are already equipped to receive an electric starter.	5
696611	Used on Model Series 200000 which are already equipped to receive an electric starter.	

Note: For engines with a STEEL ring gear on flywheel, use 396507 which includes a new flywheel and aluminum ring gear assembly.



RE-POWERING GUIDELINES

If replacing a Briggs & Stratton engine with a Briggs & Stratton engine, provide the original engine's model and type numbers to assure the correct replacement. If replacing a competitor's engine with a Briggs & Stratton engine, let the horsepower and features of the original engine plus the expected work cycle be a guide in selecting the correct replacement. Also consider these factors:

1. Engine Selection

Match the engine's performance and cost to your specific application to get the optimum performance at an affordable price. That means better value for you.

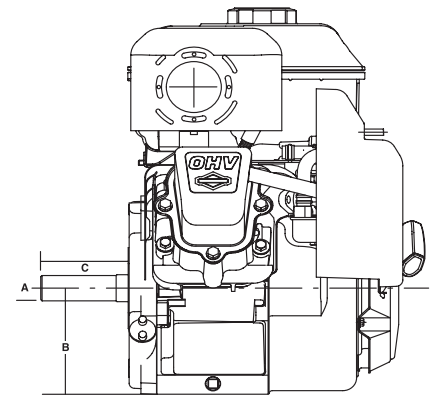
- **Vanguard™ OHV** (overhead valve) engines are maximum performance, cast iron cylinder sleeve engines.
 - select for continuous heavy duty applications.
- **INTEK™ PRO, Industrial Plus™ and I/C®** (Industrial/Commercial) engines are cast iron cylinder sleeve.
 - select for medium duty commercial, industrial and rental use.
- **INTEK™ and PowerBuilt™** engines are aluminum cylinder bore OHV engines.
 - select for general consumer use.
- **Standard** engines are aluminum cylinder bore, side valve engines.
 - select for general consumer use.

2. Safety Points

For many safe hours of operation, it is important to maintain the original engine's same horsepower, starter type and position, fuel tank location, fuel line routing, muffler location, exhaust direction and muffler accessories (i.e., deflector, spark arrestor, etc.). Reinstall all guards, shields and safety devices. Replace missing, worn or damaged parts.

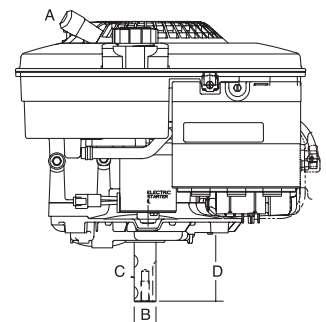
3. Horizontal Crankshaft Engines

- Compare overall engine size for possible mounting interference
- Match crankshaft's
 - Diameter "A"
 - Height "B" (distance from base to crankshaft center line)
 - Length "C" (distance from oil seal/cover's mounting face to end of crankshaft)
- Match crankshaft type, i.e., keyway, tapered or threaded
- Match crankcase cover's tapped holes for mounting accessories (if applicable)
- Match base mounting dimensions and bolt holes spacing



4. Vertical Crankshaft Engines

- Compare overall engine size for possible mounting interference
- Match starter type and starter grip position "A"
- Match crankshaft's
 - Diameter "B"
 - Keyway type "C"
 - Length "D" (distance from mounting face of sump - not oil seal - to end of crankshaft)
- Match mounting base dimensions and bolt holes spacing



WARNING

Briggs & Stratton does not approve or authorize the use of these engines on 3-wheel All Terrain Vehicles (ATVs), motor bikes, fun/recreational go-karts, aircraft products or vehicles intended for use in competitive events. Use of these engines in such applications could result in property damage, serious injury (including paralysis), or even death.

