



LC152

Output : 2.1hp / 1.6kW

H135 - G420

Output : 3.5hp / 2.6kW - 9hp / 12kW

LC2V80FD

Output : 24.1hp / 18kW

LC2V90FD

Output : 32hp / 24kW

Horizontal Engines LC-Series/G-Series/V-Twin

GENERAL PURPOSE ENGINES

Suitable in a wide range of equipment such as gardening, engineering, agriculture, livestock, fishery.

Can be used to repower machinery including generators, snow blowers, water pumps, tillers, pressure washers, road cutters, rammers, shredders.

LC-SERIES FEATURES

- Large capacity muffler design ensures a lower noise level
- Easy starting. Starts with 3 attempts
- Low oil alert function. Auto-stop when oil is low
- Optimized combustion chamber and air vent, to improve the burning efficiency. Lower fuel consumption and exhaust emission

G-SERIES FEATURES

- Easy starting. Starts with 3 attempts
- Low oil alert function. Auto-stop when oil is low
- Patented exterior design
- Patented combustion purification technology, very low exhaust emissions

- New combustion chamber design, accurate ignition control and new air vent design improves the power output by 5% compared to the same displaced engines
- Lightweight T-type piston reduces vibration and noise
- Optimized combustion chamber and air vent, to improve the burning efficiency. Lower fuel consumption and exhaust emission

V-TWIN SERIES FEATURES

- **Low noise and low vibration.** CAE analysis technology is used to optimize component design and reduce vibration and noise
- **Superior reliability.** Internal fuel pump for stability and reliability. Full pressure lubrication extends engine life. Dual-layer cyclone-type air filter with premium filter element prevents dust entering the engine
- **Powerful output.** V-twin cylinder 90° angled OHV design gives a small sized, large displacement, strong power output. Optimized valve timing design and combustion efficiency improves power by 5-10% compared to same displacement engines
- **Low oil consumption.** Optimized air vent cooling system, equipped with oil cooler, decreased oil temperature. Labyrinth type fuel and air separation structure reduces oil consumption



LC152F-15

- 2.1 / 1.6 @ 3600 r/min
- 87 cc
- L310 x W260 x H305 mm
- 9 kg net weight



H135

- 3.5 / 2.6 @ 3600 r/min
- 133 cc
- L305 x W341 x H318 mm
- 13 kg net weight



G200F / F-B5

- 5.5 / 4.1 @ 3600 r/min
- 196 cc
- L376 x W312 x H335 mm
- 16 kg net weight



G270F

- 8.0 / 6.0 @ 3600 r/min
- 270 cc
- L430 x W380 x H410 mm
- 25 kg net weight



G390F

- 11 / 8.2 @ 3600 r/min
- 389 cc
- L450 x W405 x H443 mm
- 31 kg net weight



G420F

- 12 / 9 @ 3600 r/min
- 420 cc
- L450 x W405 x H443 mm
- 31 kg net weight



LC2V80FD-1

- 24.1 / 18 @ 3600 r/min
- 764 cc
- L507 x W552 x H500 mm
- 50.5 kg net weight



LC2V90FD-1

- 32 / 24 @ 3600 r/min
- 999 cc
- L555 x W567 x H685 mm
- 60 kg net weight



Horizontal Engines

Specifications

Engine Model	LC152F-15	H135 (G120)	G200F-B5
Engine Type	Single cylinder, 4-stroke, OHV, forced air cooling		
Net Power (hp / kW)	2.1 / 1.6 @ 3600 r/min	3.5 / 2.6 @ 3600 r/min	5.5 / 4.1 @ 3600 r/min
Gross Power (hp / kW)	2.8 / 2.1 @ 3600 r/min	4.3 / 3.2 @ 3600 r/min	6.5 / 4.85 @ 3600 r/min
Net Torque (Nm)	4.5 @ 3000 r/min	7.3 @ 2800 r/min	12.4 @ 2500 r/min
Bore x Stroke (mm)	54 x 38	62 x 44	68 x 54
Displacement (cc)	87	133	196
Compression Ratio	8.0 : 1		8.5 : 1
Oil Capacity (L)	0.45		0.6
Fuel Consumption (g/kw h)	≤ 450	-	≤ 395
Oil Consumption (g/kw h)		≤ 6.8	
Idle Speed	1700 ± 150	-	1450 ± 150
Starting System	Recoil		Recoil / Electric start opt
Noise (≤ 7m)	70dBA	-	70dBA
Dimensions (L x W x H mm)	310 x 260 x 305	305 x 341 x 318	376 x 312 x 335
Net Weight (kg)	9	13	16
Shaft Options	All shaft options on page 25		



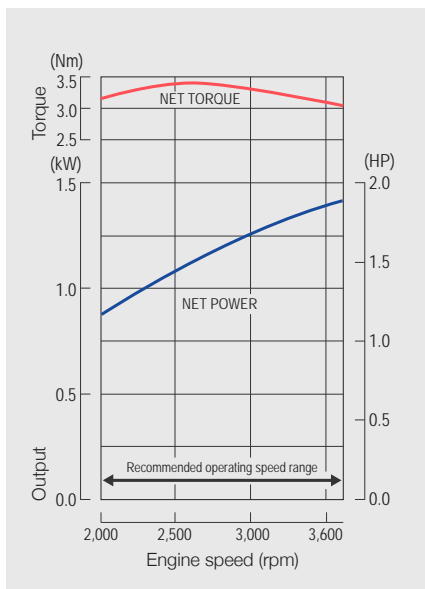
Engine Model	G200F	G270F	G390F
Engine Type	Single cylinder, 4-stroke, OHV, forced air cooling		
Net Power (hp / kW)	5.5 / 4.1 @ 3600 r/min	8.0 / 6.0 @ 3600 r/min	11 / 8.2 @ 3600 r/min
Gross Power (hp / kW)	6.5 / 4.85 @ 3600 r/min	9.0 / 6.7 @ 3600 r/min	13 / 9.7 @ 3600 r/min
Net Torque (Nm)	12.4 @ 2500 r/min	16.3 @ 2500 r/min	25.1 @ 2500 r/min
Bore x Stroke (mm)	68 x 54	77 x 58	88 x 64
Displacement (cc)	196	270	389
Compression Ratio	8.5 : 1	8.1 : 1	8 : 1
Oil Capacity (L)	0.6	0.95	1.1
Fuel Consumption (g/kw h)	≤ 395	≤ 374	
Oil Consumption (g/kw h)	≤ 6.8		
Idle Speed	1450 ± 150		
Starting System	Recoil / Electric start optional		
Noise (≤ 7m)	70dBA		
Dimensions (L x W x H mm)	376 x 312 x 335	430 x 380 x 410	450 x 405 x 443
Net Weight (kg)	16	25	31
Shaft Options	All shaft options on page 25		

Engine Model	G420F	LC2V80FD-1	LC2V90FD-1
Engine Type	Single cylinder, 4-stroke, OHV, forced air cooling	V-Twin, 4-stroke, OHV, forced air cooling	
Net Power (hp / kW)	12 / 9 @ 3600 r/min	24.1 / 19 @ 3600 r/min	32 / 22 @ 3600 r/min
Gross Power (hp / kW)	15 / 11.2 @ 3600 r/min	-	-
Net Torque (Nm)	26.5 @ 2500 r/min	52 @ 2800 r/min	70 @ 2500 r/min
Bore x Stroke (mm)	90 x 66	80 x 76	90 x 78.5
Displacement (cc)	420	764	999
Compression Ratio	8.3 : 1	8.5 : 1	
Oil Capacity (L)	1.1	1.8	2.5
Fuel Consumption (g/kw h)	≤ 374	≤ 360	-
Oil Consumption (g/kw h)	≤ 6.8	-	-
Idle Speed	1450 ± 150	1500 ± 150	1800 ± 150
Starting System	Recoil / Electric start optional	Electric	
Noise (≤ 7m)	70dBA	-	-
Dimensions (L x W x H mm)	450 x 405 x 443	507 x 552 x 500	555 x 567 x 685
Net Weight (kg)	31	50.5	60
Shaft Options	All shaft options on page 25		

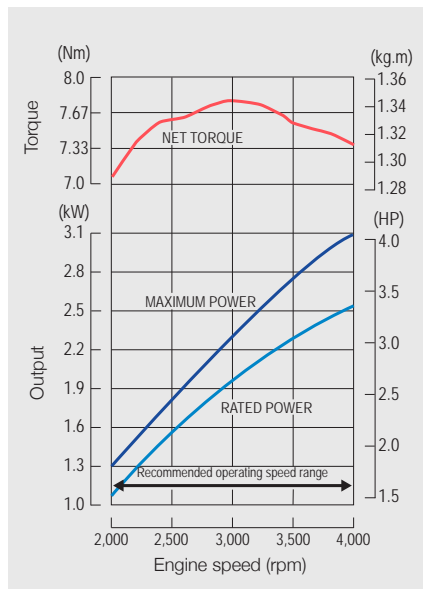


Horizontal Engines Power Curves

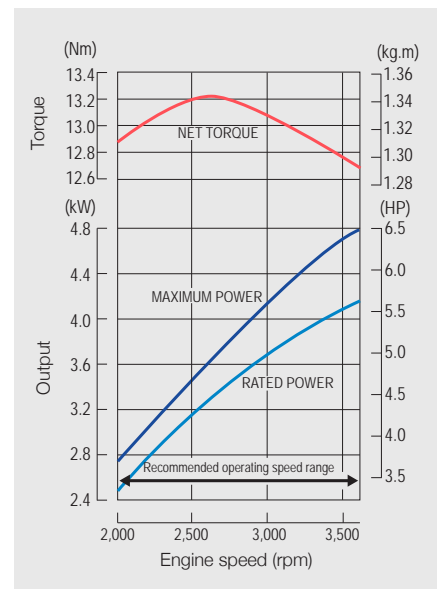
LC152F-P/F-15/F-M5



H135F-M5/F-P5

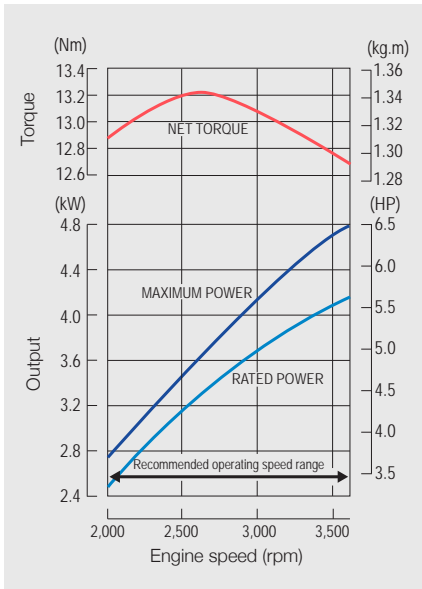


G200F / G200F-B5

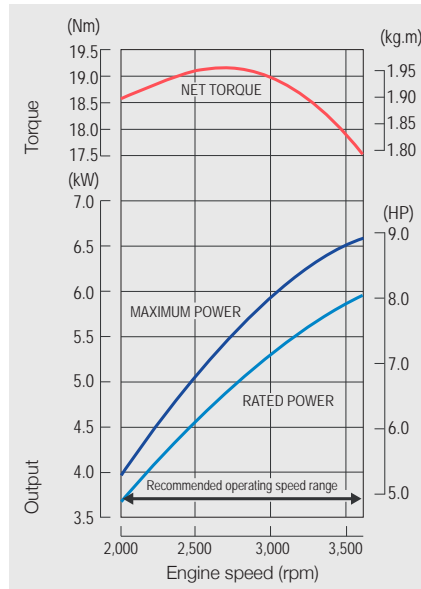




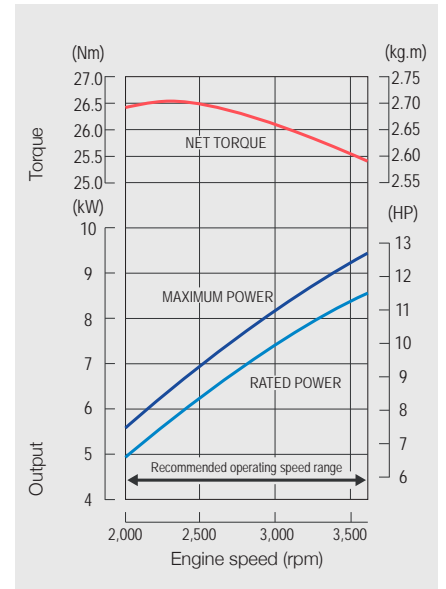
G200F / G200F-B5



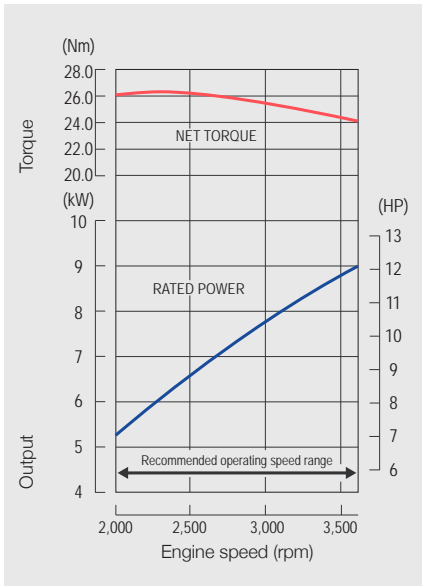
G270F



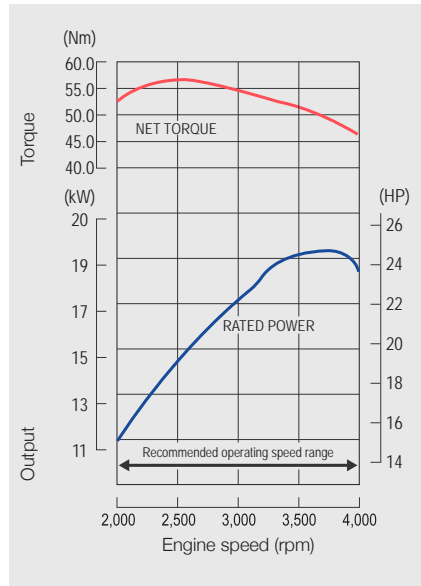
G390F



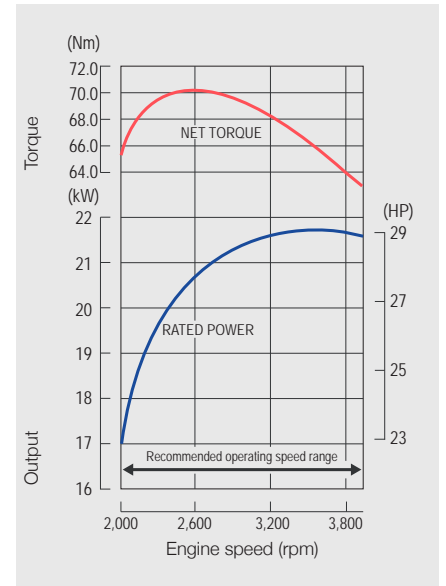
G420F



LC2V80FD-1



LC2V90FD-1

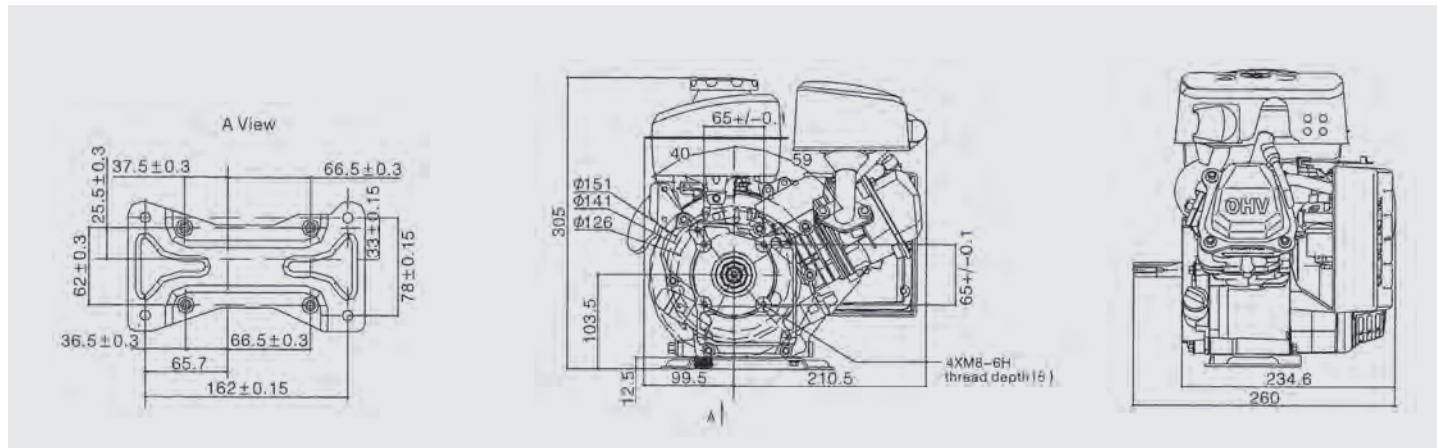




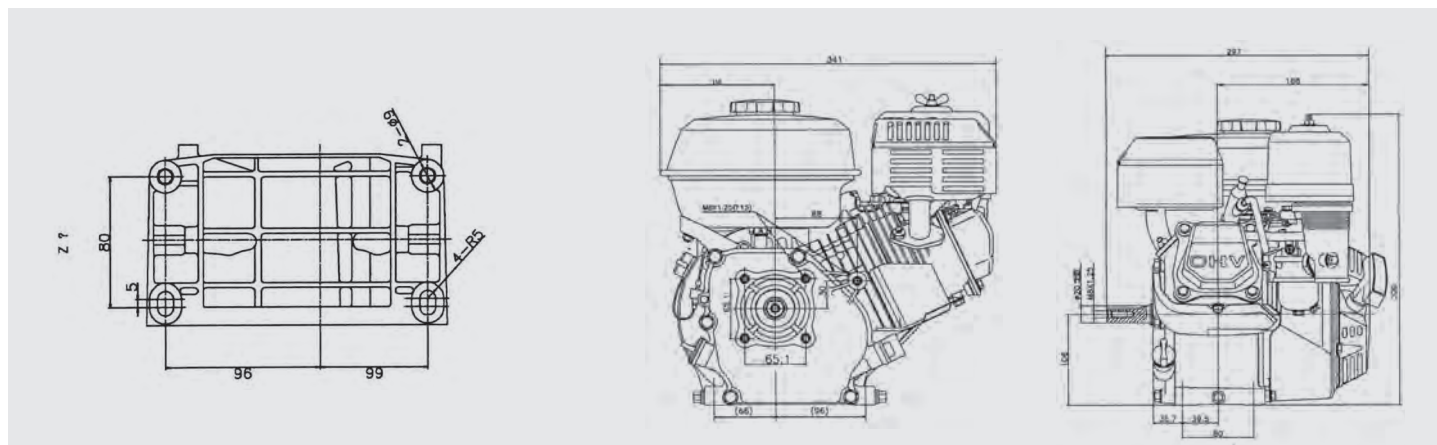
Horizontal Engines

Dimensions & Shafts

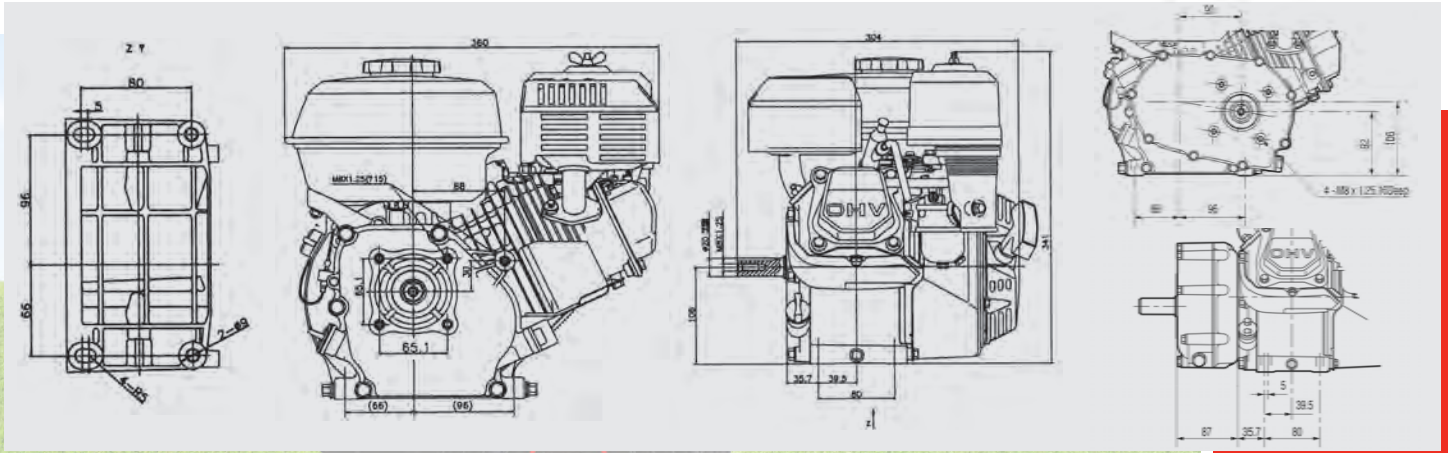
LC152F-P/F-15/F-M5



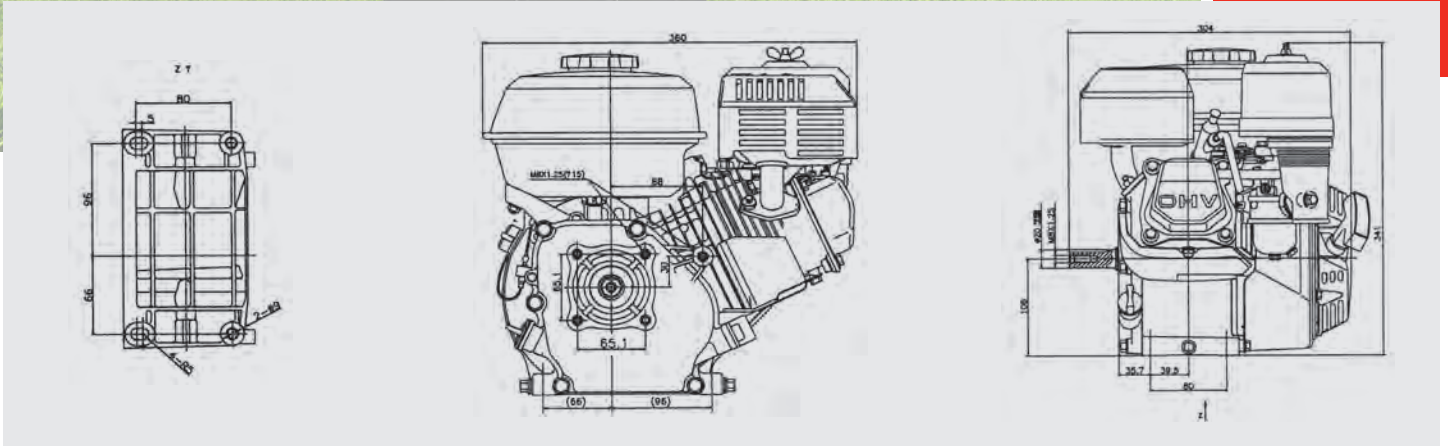
H135F-M5/F-P5 (G120)



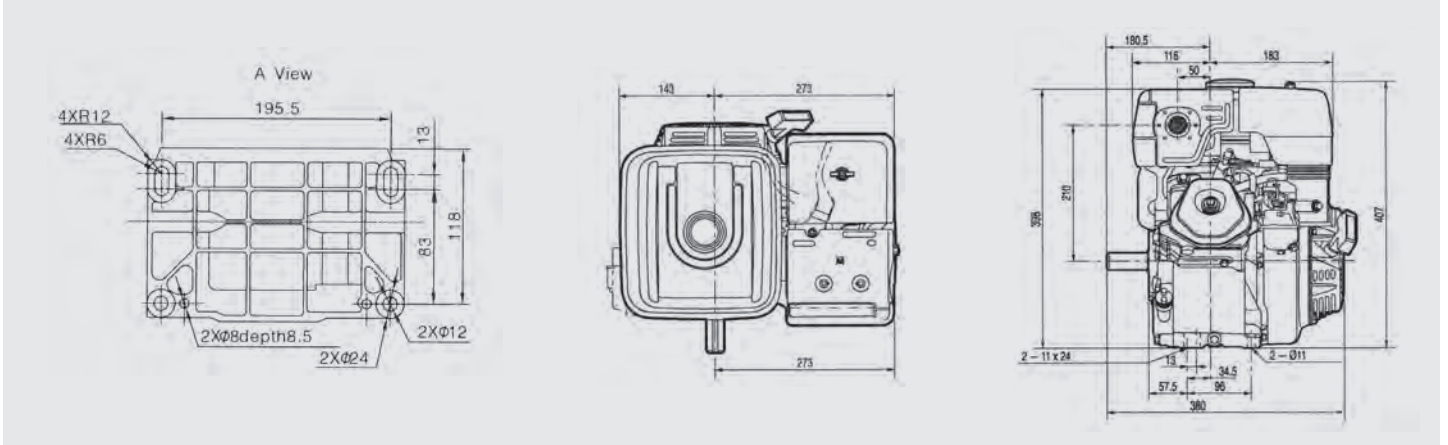
G200F-B5



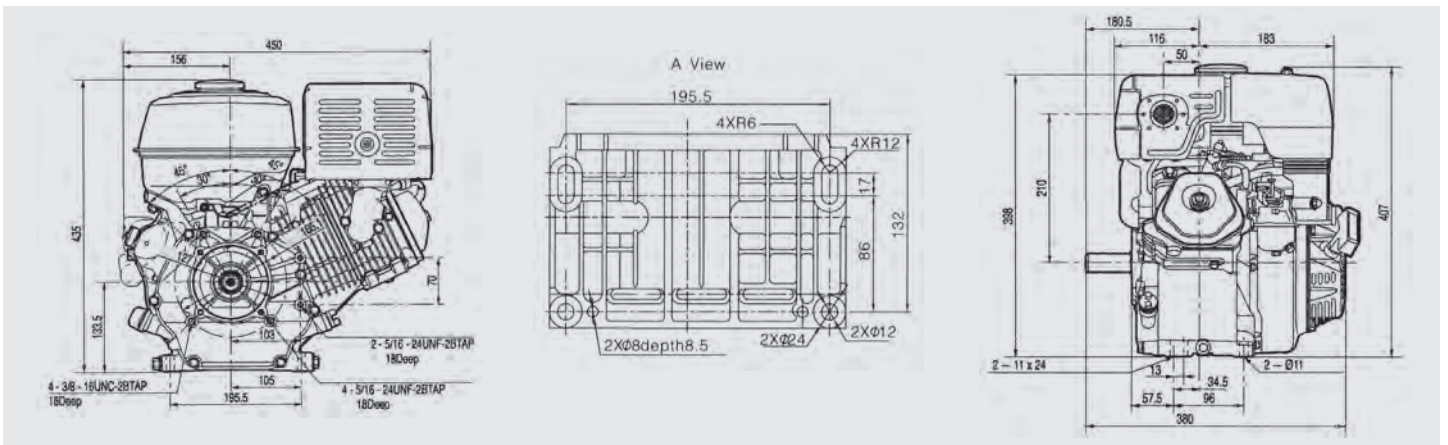
G200F



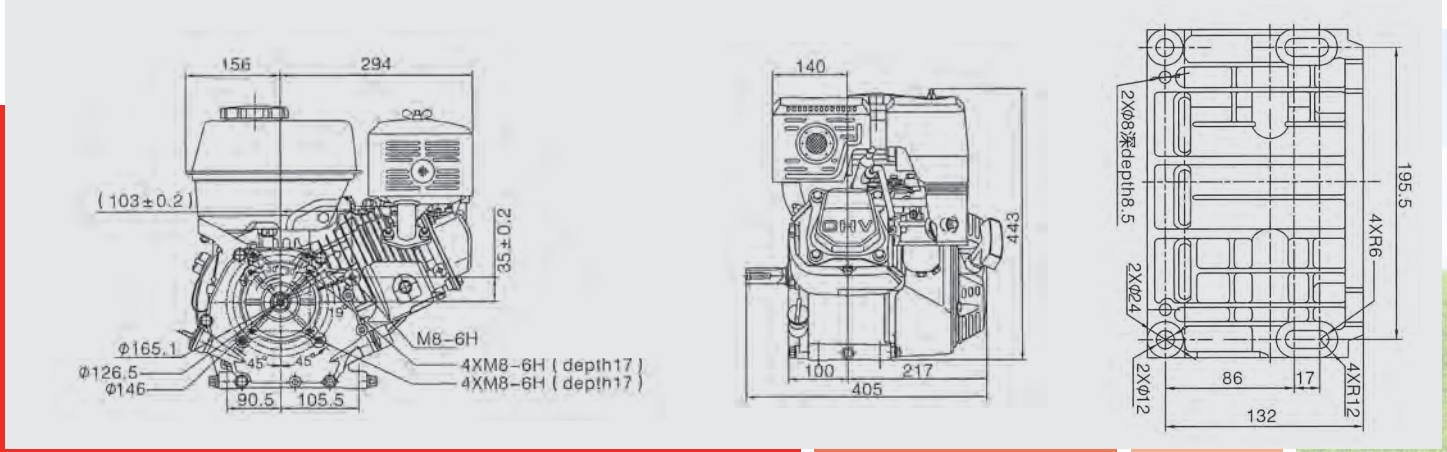
G270F



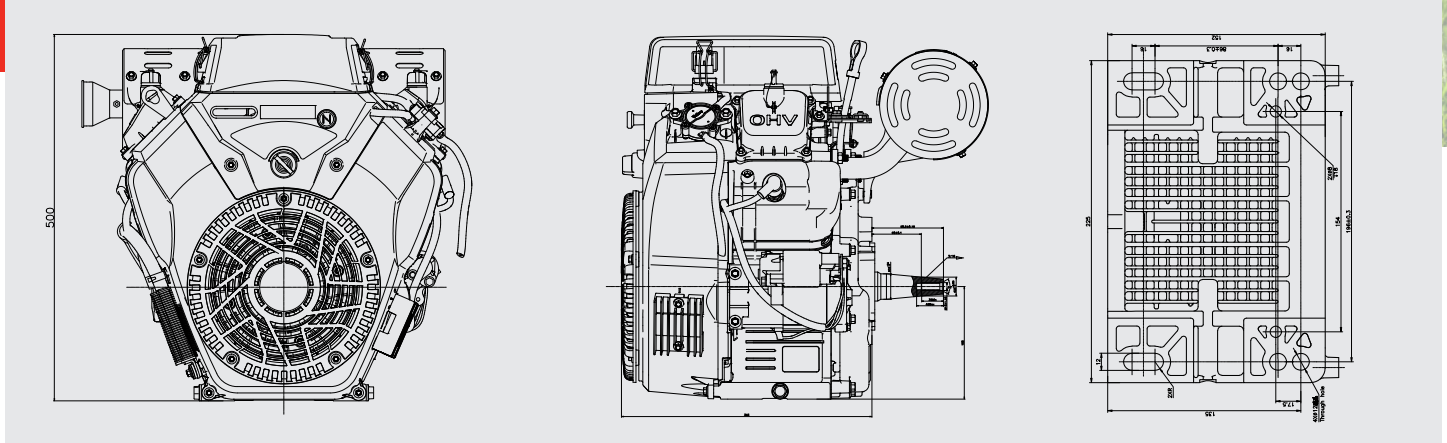
G390F



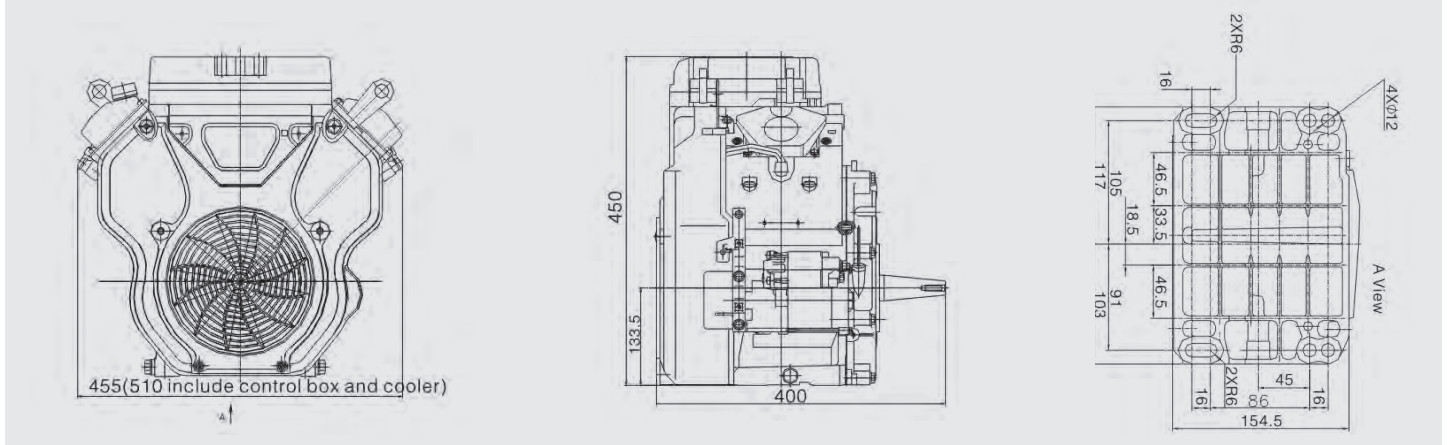
G420F



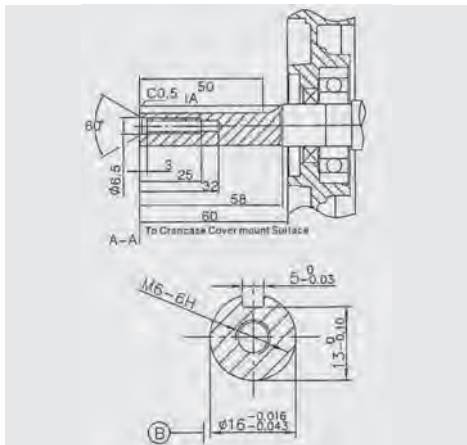
LC2V80FD-1



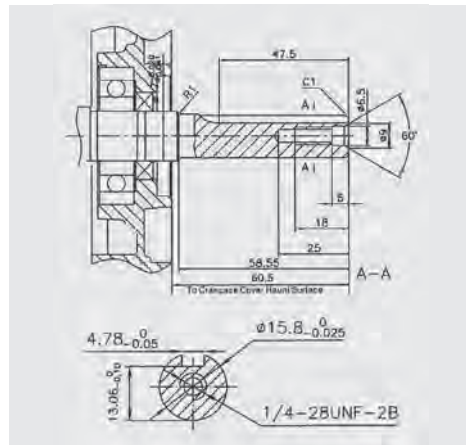
LC2V90FD-1



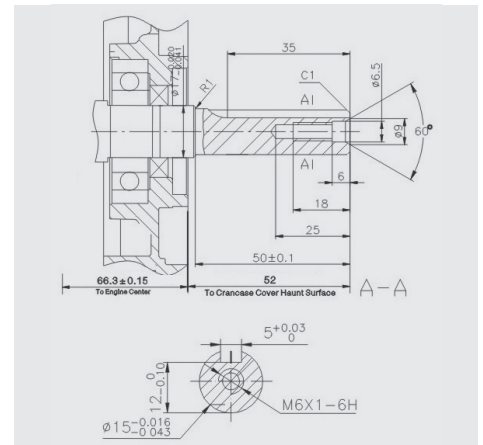
LC152F-15 SHAFT



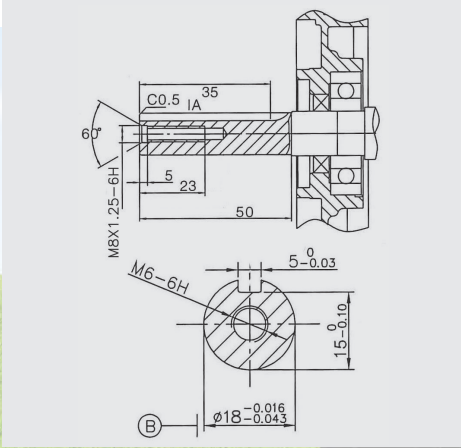
LC152F-P5 SHAFT



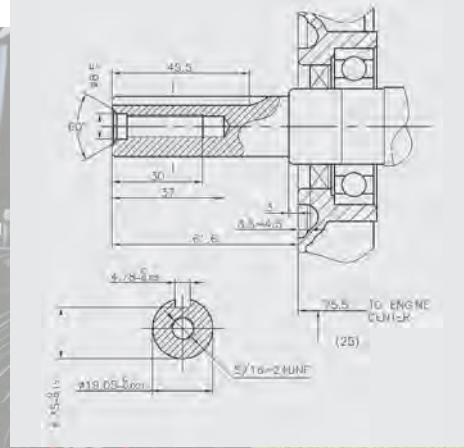
LC152F M-SHAFT



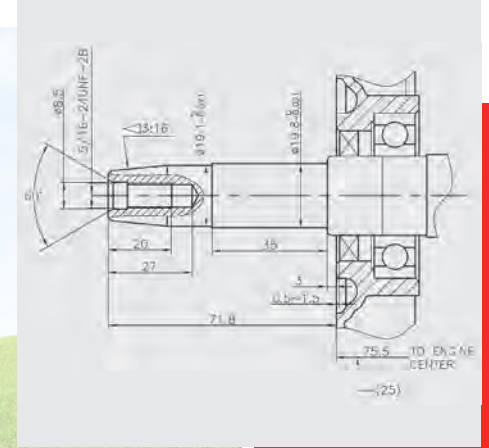
H135 M-SHAFT



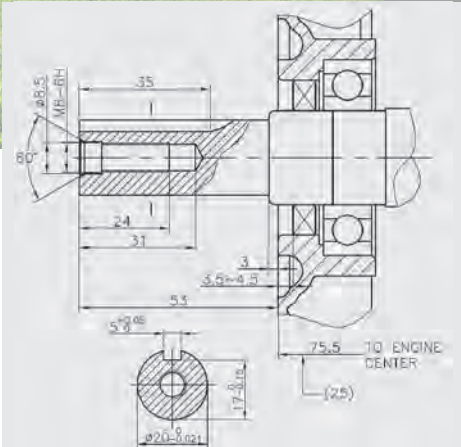
H135 P-SHAFT



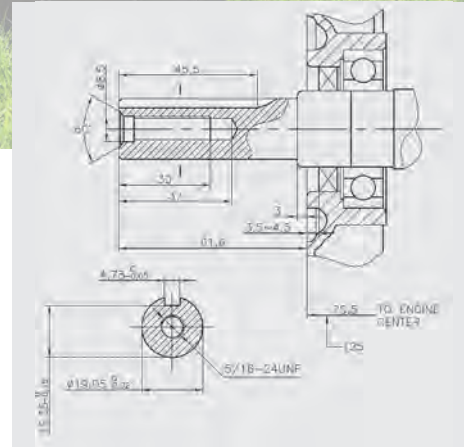
G200 G-SHAFT



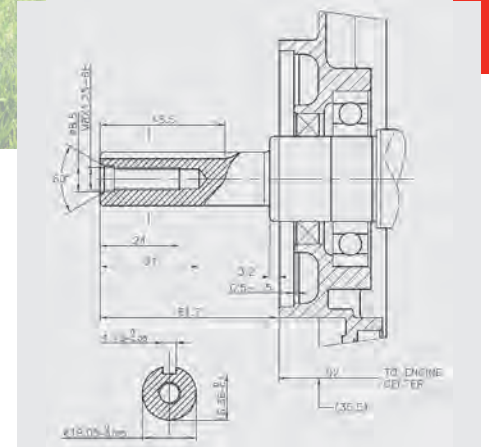
G200 M-SHAFT



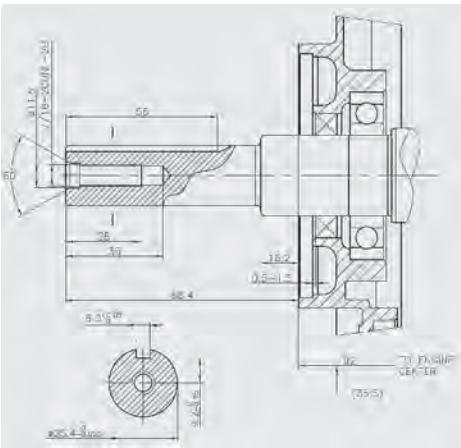
G200 P-SHAFT



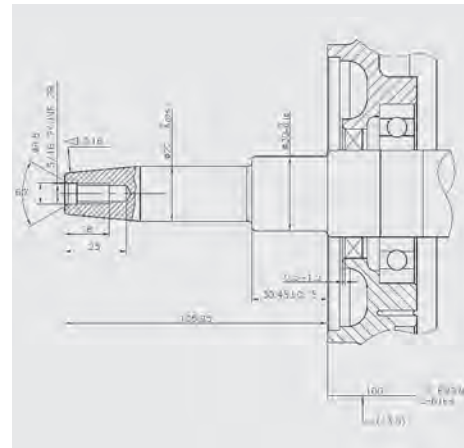
G270 M-SHAFT



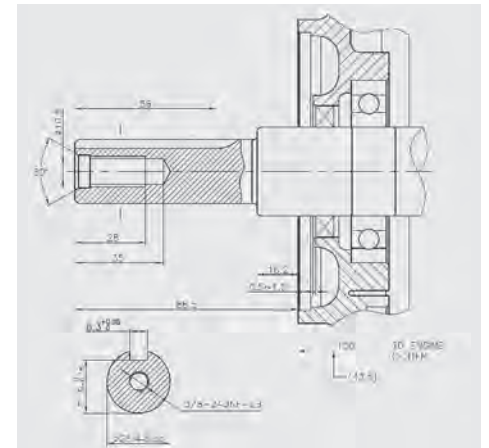
G270 P-SHAFT



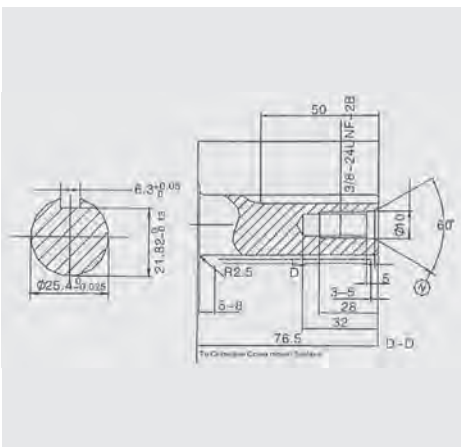
G390 / G420 G-SHAFT



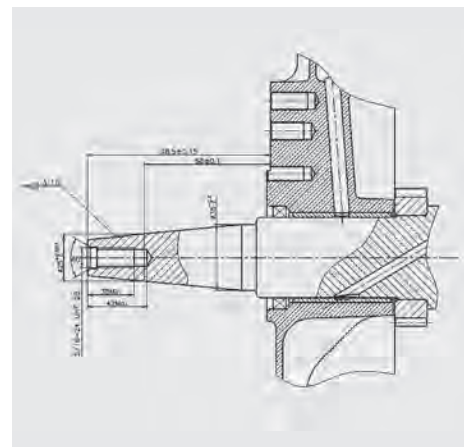
G390 / G420 P-SHAFT



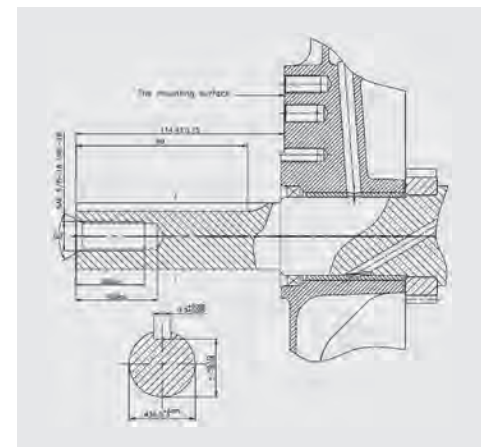
LC2V80FD-1 P-SHAFT



LC2V90FD-1 G-SHAFT



LC2V90FD-1 P-SHAFT





Vertical Engines

Single Cylinder/V-Twin

LC1P70F-3

Output : 5.3hp / 5kW

LC1P92F-15

Output : 14hp / 9.5kW

LC2P80F5

Output : 19.3hp / 14.4kW

PROFESSIONAL COMPLETE POWER PRODUCT

Loncin is the only manufacturer that is able to provide full range of engines with horizontal shaft and vertical shaft in China, of which the vertical shaft power products cover 140-803cc.. It provides global customers with comprehensive general power solutions and serves as a supplier of professional low-carbon complete power product and service.

FIRST CHOICE OF GENERAL PURPOSE ENGINE

Loncin has provided world-renowned brands-GGP, E-Mark, Toro and Rover with millions of excellent power products continuously. They are widely used for hand-push lawn mower, lawn vehicle, generator, high voltage cleaning machine, mini-tiller and other machinery.

LARGE VERTICAL SHAFT SERIES

Optimized balance system enables more stable operation. Polar oil filter system lubricates engine sufficiently and extends the engine service life. Cast iron cylinder sleeves, metal cams, forged crankshafts make the engine more durable.

AFTER-SALE QUALITY ASSURANCE

The products are easy to be started, powerful, durable and reliable, meeting environmental standards and provided with comprehensive after-sales service.

SMALL VERTICAL SHAFT SERIES

Loncin is excellent supplier of precise spare parts. This series product is featured with easy to be started, simple operation, strong power and compliance with environmental standards.

DOUBLE-CYLINDER VERTICAL SHAFT

The balanced design of dynamic crankshaft reduces vibration. Press-type machine oil pump can improve the engine lubrication to extend engine service life; fan with high flow can reduce the engine temperature. The cobalt alloy surfacing technology is used for hard alloy intake and exhaust valves to make the engine more wear-resisting.



LC1P70F-3

- 5.3 / 4.0 @ 2500 r/min
- 196 cc
- L384 x W341 x H250 mm
- 12.8 kg net weight



LC1P92F-15

- 14 / 9.5 @ 2600 r/min
- 452 cc
- L432 x W388 x H300 mm
- 31 kg net weight



LC2P80F5

- 19.3 / 14.4 @ 3600 r/min
- 764 cc
- L466 x W480 x H356 mm
- 42 kg net weight

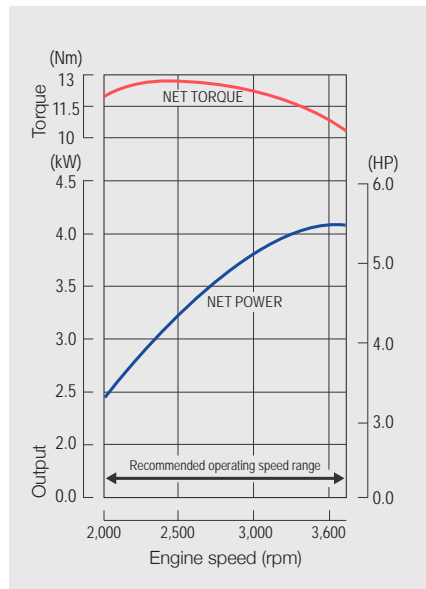
Engine Model	LC1P70F-3	LC1P92F-15	LC2P80F5
Engine Type	Single cylinder, 4-stroke, OHV, forced air cooling		V-Twin, 4-stroke, OHV, forced air cooling
Net Power (hp / kW)	5.3 / 4.0 @ 2500 r/min	14 / 9.5 @ 2600 r/min	19.3 / 14.4 @ 2400 r/min
Gross Power (hp / kW)	? / ? @ 2500 r/min	? / ? @ 63600 r/min	? / ? @ 2400 r/min
Net Torque (Nm)	12 @ 2500 r/min	27 @ 2800 r/min	52 @ 2400 r/min
Bore x Stroke (mm)	70 x 50.84	92 x 68	80 x 76
Displacement (cc)	196	452	764
Oil Capacity (L)	0.5	1.2	2.4
Starting System	Recoil / Electric	Electric	Electric
Dimensions (L x W x H mm)	384 x 341 x 258	432 x 388 x 300	466 x 480 x 356
Net Weight (kg)	12.8	31	42
Shaft Options	All shaft options on page 29		



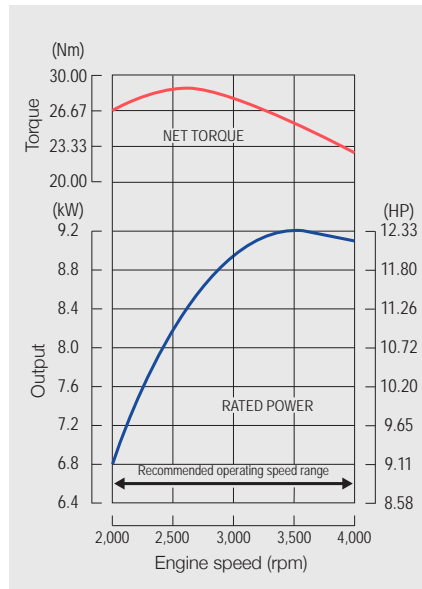
Vertical Engines

Curves / Dimensions / Shafts

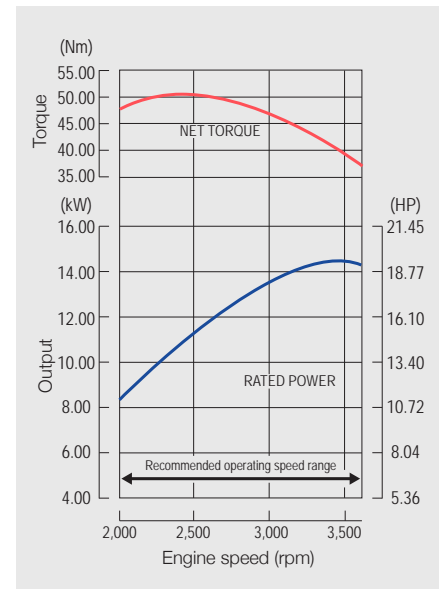
LC1P70F-3



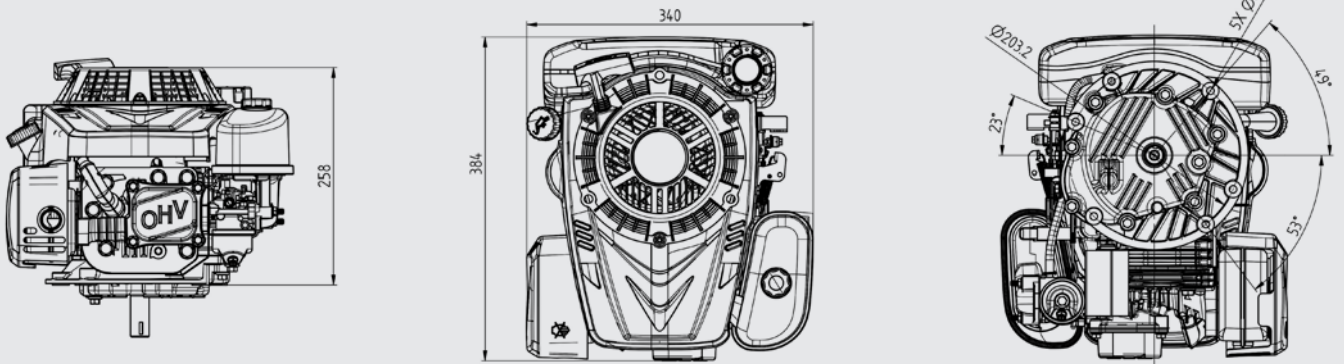
LC1P92F-15



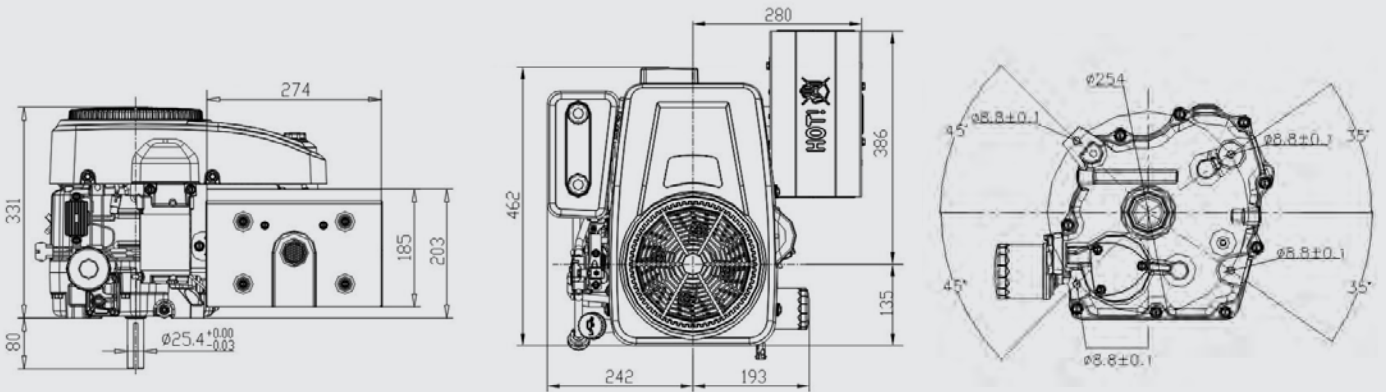
LC2P80F5



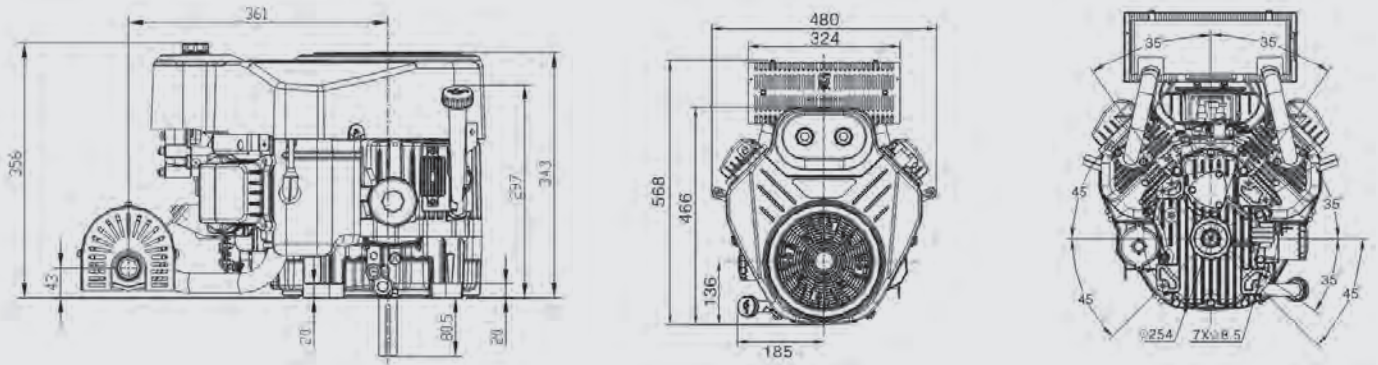
LC1P70F-3



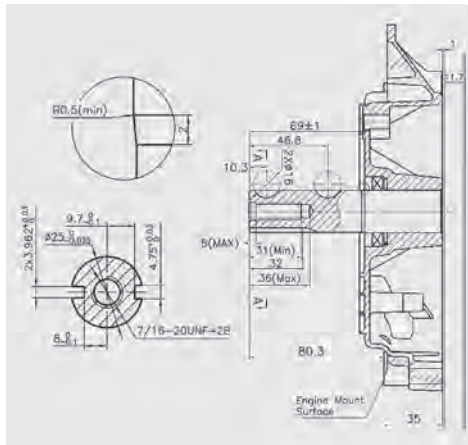
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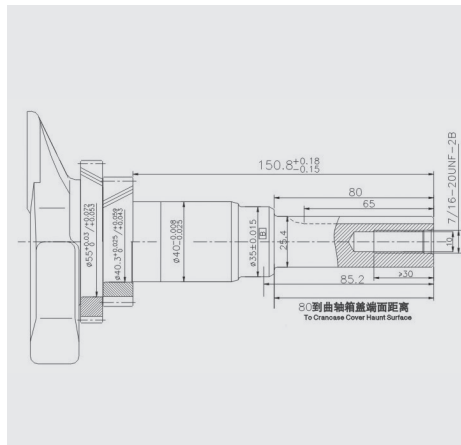
LC2P80F5



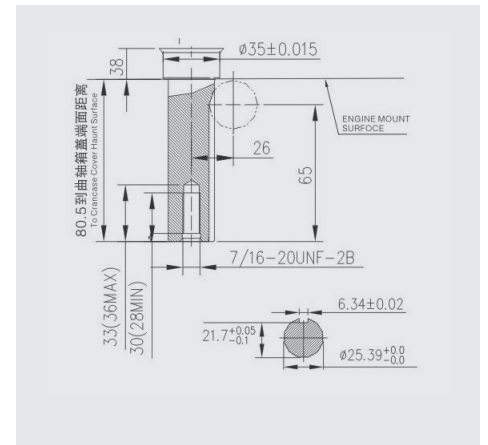
LC1P70F-3



LC1P92F-15



LC2P80F5





Loncin Repower & 2 Year Warranty

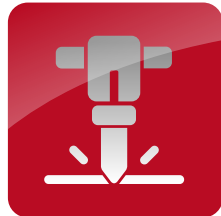
THE LONCIN ENGINE SERIES OFFERS A COST EFFECTIVE OPTION FOR THE REPOWER MARKET

- Durable
- High performance
- Electric start optional
- Low noise
- Fuel efficient
- Standard engine drive shafts
- Standard mounting points

CONSTRUCTION



PLANT AND TOOL



GROUND CARE/UTILITY



LEISURE

