



**YANMAR®**



**LN SERIES**

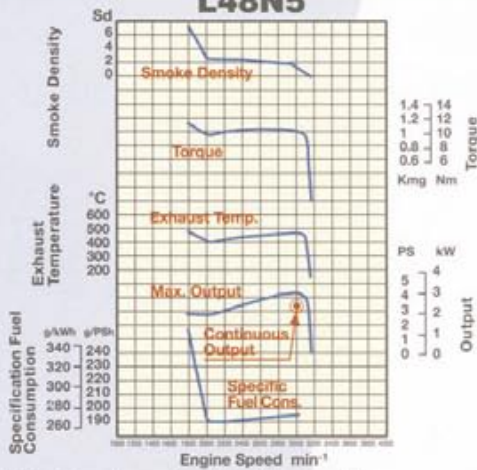
**LOW NOISE  
ENGINES**

**INDUSTRIAL  
ENGINES**

# Engine specifications

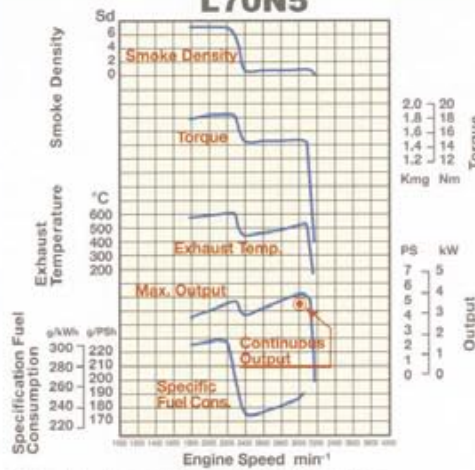
Engine Model		L48N		L70N		L100N		
Type		4 stroke, vertical cylinder, air cooled diesel engine						
No. of Cylinders		1						
Bore x Stroke		mm	Ø70 x 57		Ø78 x 67		Ø86 x 75	
Displacement		liter	0.219		0.320		0.435	
Continuous Rated Output	Engine Speed	rpm(min-1)	3600	3000	3600	3000	3600	3000
	Output	kW[PS]	3.1[4.2]	2.8[3.8]	4.4[6.0]	4.1[5.5]	6.6[9.0]	5.7[7.7]
Maximum Rated output	Engine Speed	rpm(min-1)	3600	3000	3600	3000	3600	3000
	Output/ Eng. Speed	kW[PS]	3.5[4.7]	3.1[4.2]	4.9[6.7]	4.5[6.1]	7.4[10.0]	6.5[8.8]
High Idling		rpm(min-1)	3800±30	3175±30	3800±30	3175±30	3800±30	3175±30
Engine Weight (Dry)	With Electric Starter	kg	32.0		41.0		53.5	
	Without Electric Starter		27.0		36.0		48.5	
Cooling system		Forced Air by Flywheel Fan						
Lubricating system		Forced lubrication with Trochoid Pump						
Starting system		Electric start / Recoil start						
Dimension	Overall Length (L)	mm	332		378		412	
	Overall Width (W)		384		422		471	
	Overall Height (H)		417		453		494	
Lubricating System	Dispstick Upper Limit	liter	0.80		1.05		1.6	
	Dispstick Lower Limit		0.55		0.65		1.0	
Fuel oil tank capacity (Recommended)		liter	1.9		2.7		4.7	

### L48N5



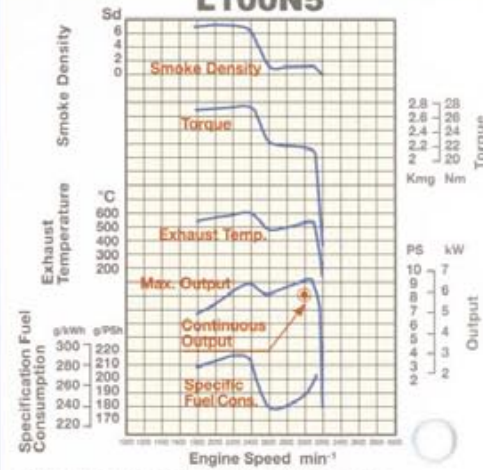
Notes: This performance is under the following condition.  
After 30 hrs. initial running  
Atmospheric conditions: Temperature 298 K (25°C)  
Pressure 100 kPa (750 mmHg)  
Humidity 30%

### L70N5



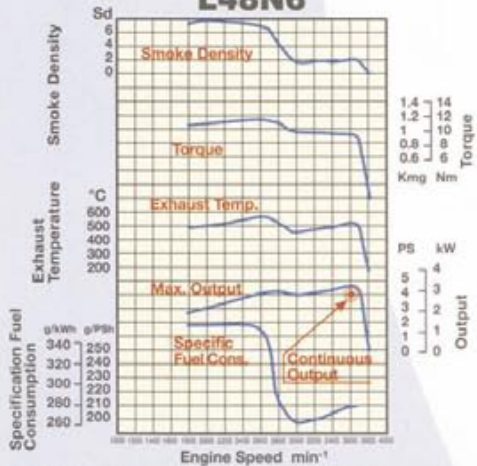
Notes: This performance is under the following condition.  
After 30 hrs. initial running  
Atmospheric conditions: Temperature 298 K (25°C)  
Pressure 100 kPa (750 mmHg)  
Humidity 30%

### L100N5



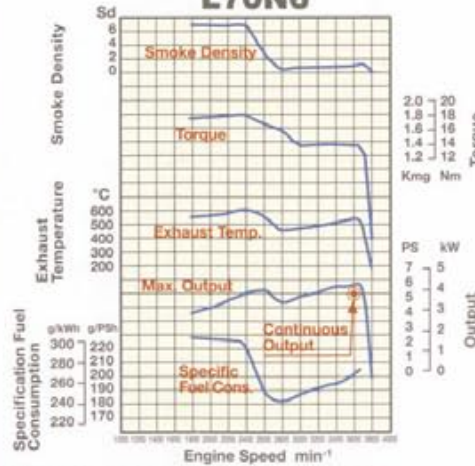
Notes: This performance is under the following condition.  
After 30 hrs. initial running  
Atmospheric conditions: Temperature 298 K (25°C)  
Pressure 100 kPa (750 mmHg)  
Humidity 30%

### L48N6



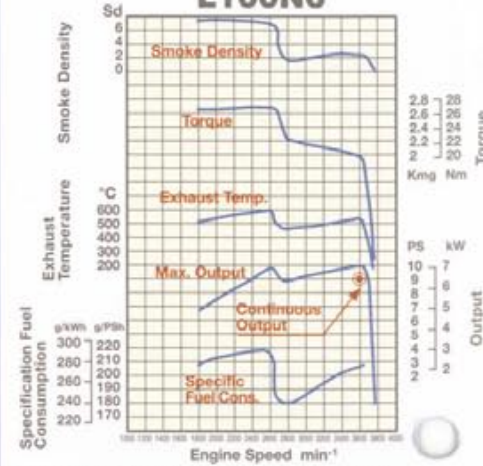
Notes: This performance is under the following condition.  
After 30 hrs. initial running  
Atmospheric conditions: Temperature 298 K (25°C)  
Pressure 100 kPa (750 mmHg)  
Humidity 30%

### L70N6



Notes: This performance is under the following condition.  
After 30 hrs. initial running  
Atmospheric conditions: Temperature 298 K (25°C)  
Pressure 100 kPa (750 mmHg)  
Humidity 30%

### L100N6



Notes: This performance is under the following condition.  
After 30 hrs. initial running  
Atmospheric conditions: Temperature 298 K (25°C)  
Pressure 100 kPa (750 mmHg)  
Humidity 30%

# Keyway shaft

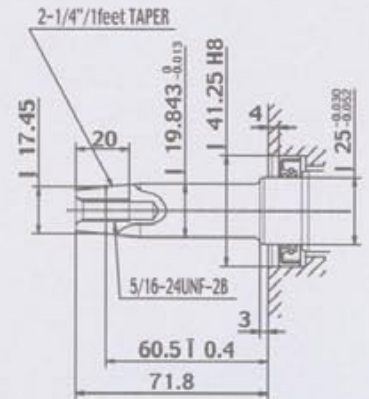
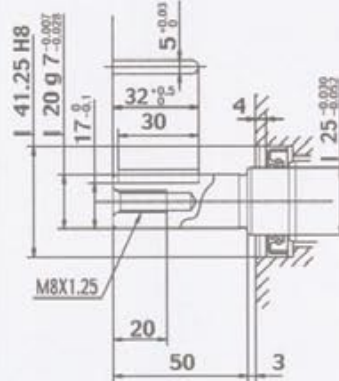
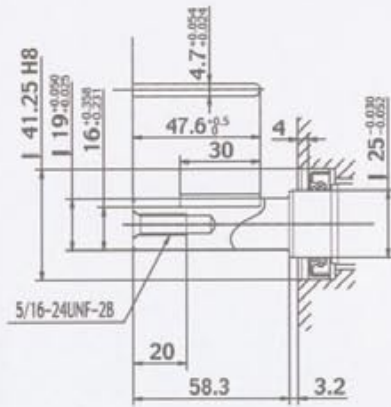
Application code

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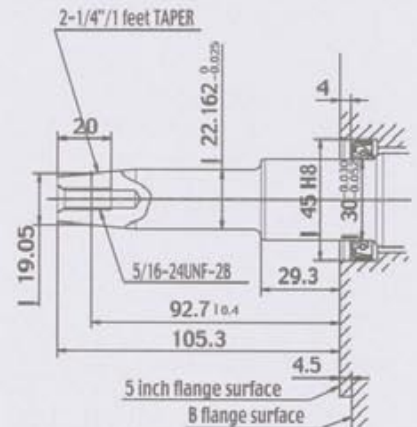
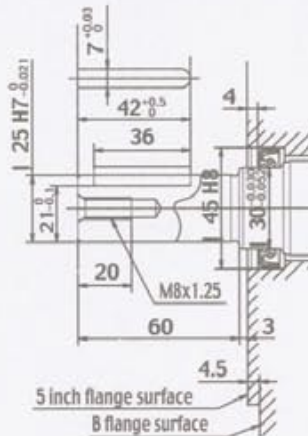
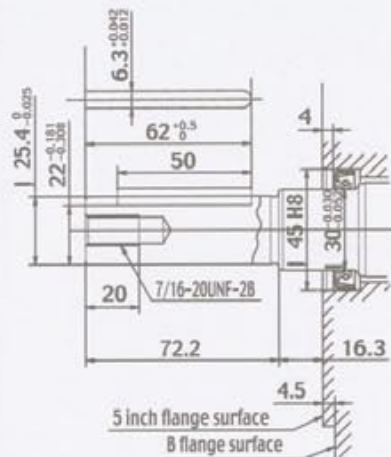
D

E-DG

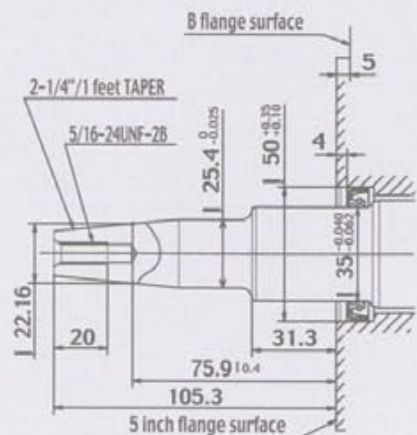
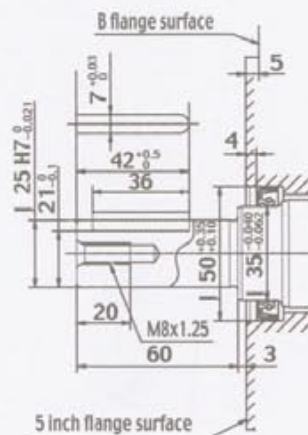
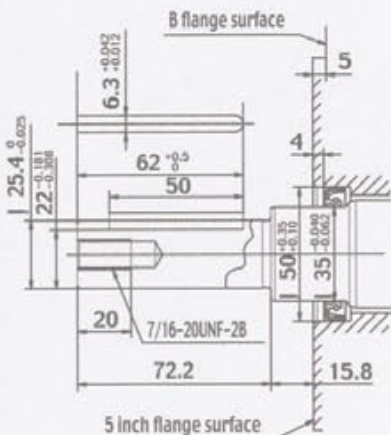
L48N



L70N



L100N



# PTO Dimensions

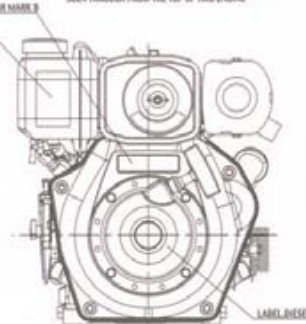
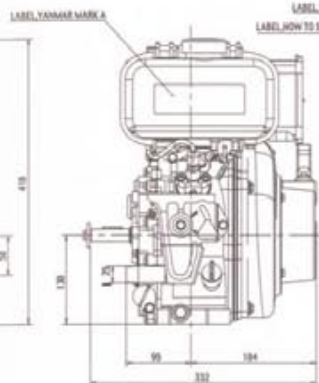
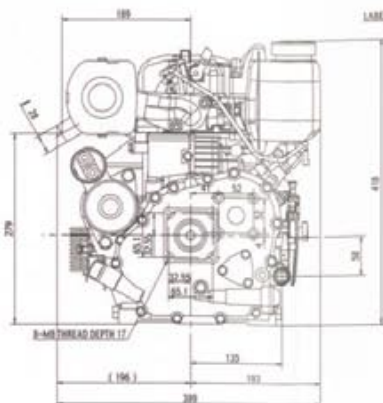
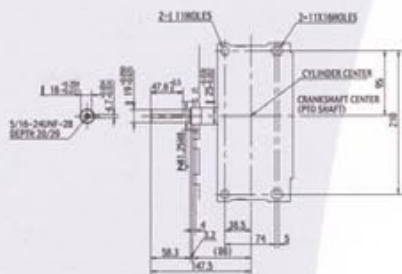
Taper shaft		Thread shaft	PTO Flanges
DG	E-DI	E-DP	
<p>Technical drawing of a DG taper shaft. Dimensions include: 41.25 HB, 1/10 TAPER, 25, 10.5, 35.5, 20, M8x1.25, 4.</p>	<p>Technical drawing of an E-DI taper shaft. Dimensions include: 1/5 TAPER, M8x1.25, 23, 39.5, 65.5, 41.25 HB, 4.</p>	<p>Technical drawing of an E-DP thread shaft. Dimensions include: 3/4-16UNF, 19, 41.25 HB, 25, 58.3, 3.2, 4.</p>	<p>Technical drawing of a PTO Flange. Dimensions include: 65.1, 32.5, 52, 26, 30.013, 67, 8-M8, Depth 17.</p>
<p>Technical drawing of a 5-inch flange shaft. Dimensions include: 26, 1/10 TAPER, 22, 45 HB, 30, 14.7, 64.55, 4.5, 5 inch flange surface, B flange surface.</p>	<p>Technical drawing of an E-DI 5-inch flange shaft. Dimensions include: 1/5 TAPER, 23, 45 HB, 30, 28, 54, 4.5, 5 inch flange surface, B flange surface.</p>	<p>Technical drawing of an E-DP 5-inch flange shaft. Dimensions include: 1-14UNS-2A, 25.4, 45 HB, 30, 72.2, 16.3, 4.5, 5 inch flange surface, B flange surface.</p>	
<p>Technical drawing of a 5-inch flange shaft. Dimensions include: B flange surface, 5, 1/10 TAPER, 50, 26, 35, 22, 3, 43, 13, 5 inch flange surface.</p>	<p>Technical drawing of an E-DI 5-inch flange shaft. Dimensions include: B flange surface, 5, 1/5 TAPER, 27.5, 50, 23, 53.5, 35, 5 inch flange surface.</p>	<p>Technical drawing of an E-DP 5-inch flange shaft. Dimensions include: B flange surface, 5, 1-14UNS-2A, 25.4, 50, 35, 72.2, 15.8, 5 inch flange surface.</p>	<p>Technical drawing of a PTO Flange. Dimensions include: 4-M8, Depth 17 (B-flange), 45, 30, 146.08 HT (Pilot dia.), (50 HB), PC   127 (5-inch flange), PC   165.1 (B-flange).</p>

# Engine Dimensions



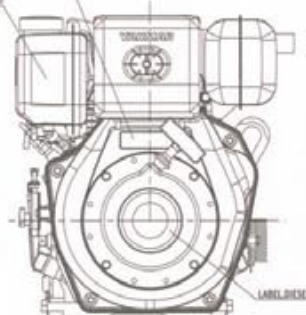
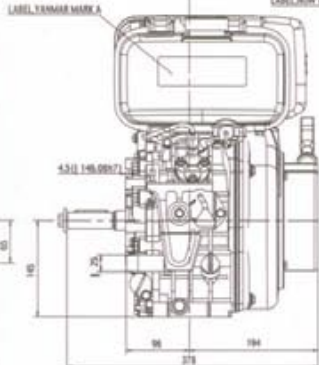
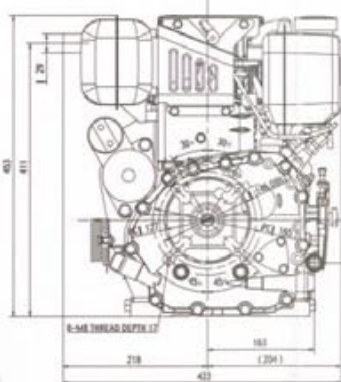
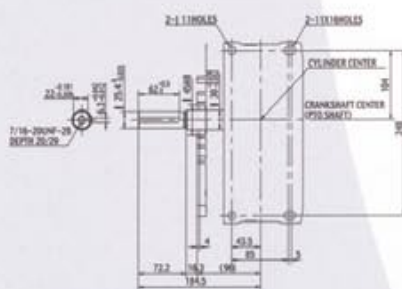
**L48N**

ENGINE MOUNTING PLATE AND PTO SHAFT  
SEEN THROUGH FROM THE TOP OF THIS ENGINE



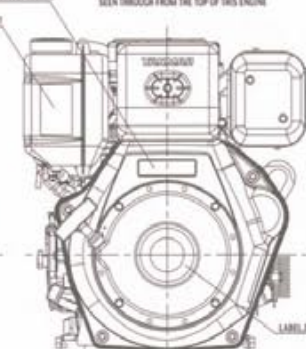
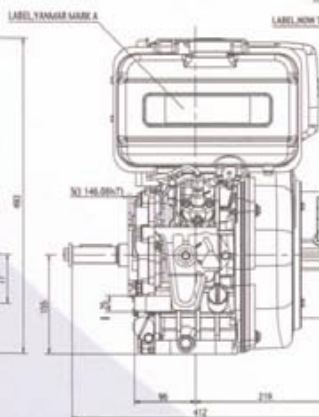
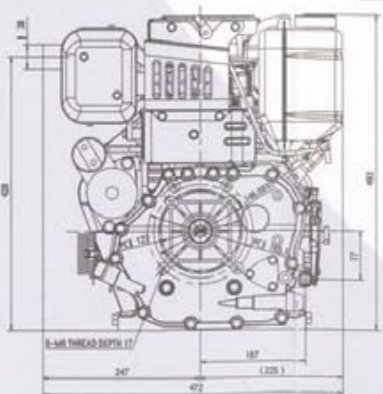
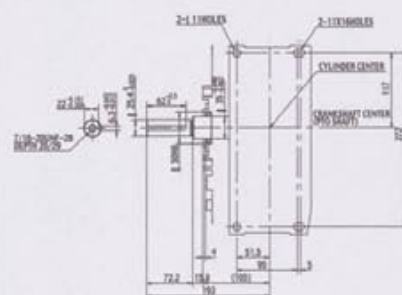
**L70N**

ENGINE MOUNTING PLATE AND PTO SHAFT  
SEEN THROUGH FROM THE TOP OF THIS ENGINE



**L100N**

ENGINE MOUNTING PLATE AND PTO SHAFT  
SEEN THROUGH FROM THE TOP OF THIS ENGINE





**YANMAR.**

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