



Robin Engines



Your Power Source for Super Performance

WATER COOLED
4 CYCLE OHV
GASOLINE ENGINE

EH

SERIES

PRO OHV



SPECIFICATIONS

| Model | EH170D | EH170 | EH200D | EH140 | EH100V | EH100 |
|--|---|-------------|-------------|-------------|-------------|---|
| Type | Single Cylinder Overhead Valve (OHV) Small Footprint Type | | | | | Single Cylinder Overhead Valve (OHV) Small Footprint Type |
| Max. 1/2" Working Piston Displacement (cc) | 171 | 171 | 200 | 140 | 100 | 100 |
| Max. Stroke (mm) (in.) | 52.0 (2.0) | 52.0 (2.0) | 60.0 (2.4) | 44.0 (1.7) | 33.0 (1.3) | 33.0 (1.3) |
| Max. Bore (mm) (in.) | 42.0 (1.7) | 42.0 (1.7) | 40.0 (1.6) | 42.0 (1.7) | 42.0 (1.7) | 42.0 (1.7) |
| Max. Compression Ratio (CR) | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 |
| Max. 1/2" Shaft Speed (RPM) | 2500 (Maximum Recommended 2100) | | | | | |
| Typical Fuel/Spark Plug | — (Ignite) | — (Ignite) | — (Ignite) | — (Ignite) | — (Ignite) | — (Ignite) |
| Typical Starting Method | Manual Recoil | | | | | |
| Typical Starting Voltage (V) (Watts) | 12V (120) | 12V (120) | 12V (120) | 12V (120) | 12V (120) | 12V (120) |
| Typical Starting Time (Sec) | 0.8 (Maximum Recommended) | | | | | |
| Typical Starting Torque (kg-cm) (lb-in) | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| Typical Starting Current (A) | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| Max. 1/2" Shaft Speed (RPM) | 2500 (2100) | 2500 (2100) | 2500 (2100) | 2500 (2100) | 2500 (2100) | 2500 (2100) |

**AIR COOLED
4-CYCLE
GASOLINE ENGINE**

EY SERIES

EY1500



EY1500



EY2000



EY2500



EY3000



EY3500



SPECIFICATION

| Item | EY1500 | EY1500 | EY2000 | EY2000 | EY2500 | EY2500 | EY3000 | EY3000 | EY3500 | EY3500 |
|-----------------------------|---|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Type | Single-Cylinder, Overhead Valve (OHV) Type | | | | | | | | | |
| Max. Displacement (cc) | 1500 | 1500 | 2000 | 2000 | 2500 | 2500 | 3000 | 3000 | 3500 | 3500 |
| Max. Displacement (cu. in.) | 92 | 92 | 122 | 122 | 153 | 153 | 183 | 183 | 214 | 214 |
| Max. Output (CV/kW) | 15/11.0 | 15/11.0 | 20/14.7 | 20/14.7 | 25/18.4 | 25/18.4 | 30/22.1 | 30/22.1 | 35/25.8 | 35/25.8 |
| Max. Torque (kg-m/cm) | 15/1000 | 15/1000 | 20/1400 | 20/1400 | 25/1800 | 25/1800 | 30/2200 | 30/2200 | 35/2600 | 35/2600 |
| Max. Output (CV/kW) | 15/11.0 | 15/11.0 | 20/14.7 | 20/14.7 | 25/18.4 | 25/18.4 | 30/22.1 | 30/22.1 | 35/25.8 | 35/25.8 |
| Max. Torque (kg-m/cm) | 15/1000 | 15/1000 | 20/1400 | 20/1400 | 25/1800 | 25/1800 | 30/2200 | 30/2200 | 35/2600 | 35/2600 |
| Ignition System | Coil Ignition (Capacitor Discharge) Ignition System | | | | | | | | | |
| Type of Starter | - | Hand | - | Hand | - | Hand | - | Hand | - | Hand |
| Fuel | Unleaded Gasoline | | | | | | | | | |
| Electrical Equipment | 12V | 12V | 12V | 12V | 12V | 12V | 12V | 12V | 12V | 12V |
| Starting System | Hand/Hand/Hand/Hand or Electric | | | | | | | | | |
| Oil Weight (kg) | 2.4 | 2.4 | 3.2 | 3.2 | 4.0 | 4.0 | 4.8 | 4.8 | 5.6 | 5.6 |
| Dimensions (mm) | 220 × 220 × 120 | 220 × 220 × 120 | 270 × 270 × 120 | 270 × 270 × 120 | 320 × 320 × 120 | 320 × 320 × 120 | 370 × 370 × 120 | 370 × 370 × 120 | 420 × 420 × 120 | 420 × 420 × 120 |

EY400



EY21A5



EY60-1A5



Vertical Shaft Type

EY15V



EY30V



EY50V (Horizontal Shaft)



SPECIFICATION

| Model | EY400 | EY21A5 | EY60-1A5 | EY15V | EY30V | EY50V | EY60-1A5 | EY15V | EY30V | EY50V |
|-----------------------------|---------------------------------|--------|--------------------------------|-------|-------|--------------------------------|----------|--------------------------------|-------|--------------------------------|
| Type | Vertical Shaft Type | | Horizontal Shaft Type (V-Twin) | | | Horizontal Shaft Type (V-Twin) | | Horizontal Shaft Type (V-Twin) | | Horizontal Shaft Type (V-Twin) |
| Max. Overall Length (mm) | 440 × 310 | | 440 × 310 | | | 440 × 310 | | 440 × 310 | | 440 × 310 |
| Water Displacement (cc) | 400 | | 400 | | | 400 | | 400 | | 400 |
| Max. Power (kW / cv) | 15.0 (20.3) / 20 | | 15.0 (20.3) / 20 | | | 15.0 (20.3) / 20 | | 15.0 (20.3) / 20 | | 15.0 (20.3) / 20 |
| Max. Torque (kg-m / cv) | 14.0 (10.7) / 10 | | 14.0 (10.7) / 10 | | | 14.0 (10.7) / 10 | | 14.0 (10.7) / 10 | | 14.0 (10.7) / 10 |
| Max. Fuel Consumption (l/h) | 1.5 (1.5) / 1.5 | | 1.5 (1.5) / 1.5 | | | 1.5 (1.5) / 1.5 | | 1.5 (1.5) / 1.5 | | 1.5 (1.5) / 1.5 |
| Oil Capacity (l) | 0.5 | | 0.5 | | | 0.5 | | 0.5 | | 0.5 |
| Oil Type | SAE 10W/30 | | SAE 10W/30 | | | SAE 10W/30 | | SAE 10W/30 | | SAE 10W/30 |
| Oil Capacity (l) | 0.5 | | 0.5 | | | 0.5 | | 0.5 | | 0.5 |
| Max. Fuel Capacity (l) | 1.5 | | 1.5 | | | 1.5 | | 1.5 | | 1.5 |
| Starting Method | Hand Starting (with Kick Start) | | Hand Starting | | | Hand Starting | | Hand Starting | | Hand Starting |
| Oil Drainage | Yes | | Yes | | | Yes | | Yes | | Yes |
| Dimensions (mm) | 440 × 310 × 310 | | 440 × 310 × 310 | | | 440 × 310 × 310 | | 440 × 310 × 310 | | 440 × 310 × 310 |

*Dimensions are approximate and subject to change without notice.

**AIR COOLED
4 CYCLE
KEROSENE ENGINE**

EY-K SERIES

EY150K



EY200K



EY250K



Specifications

| Model | EY150K | EY200K | EY200K | EY200K | EY250K | EY250K | EY250K | EY250K | EY250K |
|---------------------------|---|-----------------|-----------------|-----------------|-----------------------------------|-----------------|-----------------|-----------------|-----------------|
| Type | Single Cylinder, Vertical, 4 Stroke | | | | | | | | |
| Stroke (mm/Inch) | 48 x 44 | 48 x 44 | 48 x 44 | 48 x 44 | 48 x 44 | 48 x 44 | 48 x 44 | 48 x 44 | 48 x 44 |
| Rated Maximum Power | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| Rated Output (kW) | 0.57 (0.77) | 0.57 (0.77) | 0.57 (0.77) | 0.57 (0.77) | 0.57 (0.77) | 0.57 (0.77) | 0.57 (0.77) | 0.57 (0.77) | 0.57 (0.77) |
| Rated Output (CV) | 0.77 (1.05) | 0.77 (1.05) | 0.77 (1.05) | 0.77 (1.05) | 0.77 (1.05) | 0.77 (1.05) | 0.77 (1.05) | 0.77 (1.05) | 0.77 (1.05) |
| Rated Speed (rpm) | 3000 | 3000 | 3000 | 3000 | 3000 | 3000 | 3000 | 3000 | 3000 |
| Rated Fuel Consumption | Kerosene (Kerosene Density: 0.815 g/cm ³) | | | | | | | | |
| Type | Horizontal, Cast-Iron, Overhead Valve | | | | | | | | |
| Cyl. Type | Cast-Iron | Cast-Iron | Cast-Iron | Cast-Iron | Cast-Iron | Cast-Iron | Cast-Iron | Cast-Iron | Cast-Iron |
| Max. Torque (kgm) | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 |
| Max. Torque (Nm) | 2.26 | 2.26 | 2.26 | 2.26 | 2.26 | 2.26 | 2.26 | 2.26 | 2.26 |
| Ignition System | Capacitor Discharge Igniter | | | | | | | | |
| Starting System | Recoil Start | | | | Hand Pull (Optional Recoil Start) | | | | |
| Dry Weight (kg) | 10.4 | 10.1 | 10 | 10 | 10.4 | 10 | 10 | 10 | 10 |
| Dimensions (W x H x D mm) | 300 x 190 x 180 | 310 x 190 x 180 | 310 x 190 x 180 | 310 x 190 x 180 | 350 x 210 x 180 | 350 x 210 x 180 | 350 x 210 x 180 | 350 x 210 x 180 | 350 x 210 x 180 |

Optional Equipment

Air-Cooled Engines

- 2-Stroke 4-Cylinder Air-Cooled Diesel Engine
- 2-Stroke 4-Cylinder Air-Cooled Diesel Engine (Turbocharger)
- 2-Stroke 4-Cylinder Air-Cooled Diesel Engine (Turbocharger, Intercooler)
- 2-Stroke 4-Cylinder Air-Cooled Diesel Engine (Turbocharger, Intercooler, Water Pump)
- 2-Stroke 4-Cylinder Air-Cooled Diesel Engine (Turbocharger, Intercooler, Water Pump, Air Filter)
- 2-Stroke 4-Cylinder Air-Cooled Diesel Engine (Turbocharger, Intercooler, Water Pump, Air Filter, Oil Separator)
- 2-Stroke 4-Cylinder Air-Cooled Diesel Engine (Turbocharger, Intercooler, Water Pump, Air Filter, Oil Separator, Exhaust Muffler)
- 2-Stroke 4-Cylinder Air-Cooled Diesel Engine (Turbocharger, Intercooler, Water Pump, Air Filter, Oil Separator, Exhaust Muffler, Air Chiller)
- 2-Stroke 4-Cylinder Air-Cooled Diesel Engine (Turbocharger, Intercooler, Water Pump, Air Filter, Oil Separator, Exhaust Muffler, Air Chiller, Air Pre-Heater)
- 2-Stroke 4-Cylinder Air-Cooled Diesel Engine (Turbocharger, Intercooler, Water Pump, Air Filter, Oil Separator, Exhaust Muffler, Air Chiller, Air Pre-Heater, Air Heater)
- 2-Stroke 4-Cylinder Air-Cooled Diesel Engine (Turbocharger, Intercooler, Water Pump, Air Filter, Oil Separator, Exhaust Muffler, Air Chiller, Air Pre-Heater, Air Heater, Air Filter)
- 2-Stroke 4-Cylinder Air-Cooled Diesel Engine (Turbocharger, Intercooler, Water Pump, Air Filter, Oil Separator, Exhaust Muffler, Air Chiller, Air Pre-Heater, Air Heater, Air Filter, Air Separator)

4-Stroke Diesel Engines

- 4-Stroke Diesel Engine (Turbocharger)
- 4-Stroke Diesel Engine (Turbocharger, Intercooler)
- 4-Stroke Diesel Engine (Turbocharger, Intercooler, Water Pump)
- 4-Stroke Diesel Engine (Turbocharger, Intercooler, Water Pump, Air Filter)
- 4-Stroke Diesel Engine (Turbocharger, Intercooler, Water Pump, Air Filter, Oil Separator)
- 4-Stroke Diesel Engine (Turbocharger, Intercooler, Water Pump, Air Filter, Oil Separator, Exhaust Muffler)
- 4-Stroke Diesel Engine (Turbocharger, Intercooler, Water Pump, Air Filter, Oil Separator, Exhaust Muffler, Air Chiller)
- 4-Stroke Diesel Engine (Turbocharger, Intercooler, Water Pump, Air Filter, Oil Separator, Exhaust Muffler, Air Chiller, Air Pre-Heater)
- 4-Stroke Diesel Engine (Turbocharger, Intercooler, Water Pump, Air Filter, Oil Separator, Exhaust Muffler, Air Chiller, Air Pre-Heater, Air Heater)
- 4-Stroke Diesel Engine (Turbocharger, Intercooler, Water Pump, Air Filter, Oil Separator, Exhaust Muffler, Air Chiller, Air Pre-Heater, Air Heater, Air Filter)
- 4-Stroke Diesel Engine (Turbocharger, Intercooler, Water Pump, Air Filter, Oil Separator, Exhaust Muffler, Air Chiller, Air Pre-Heater, Air Heater, Air Filter, Air Separator)

**WATER COOLED
4-CYCLE
DIESEL ENGINE**

DY SERIES

DY17-20



DY1800



DY1800



SPECIFICATIONS

| Model | DY17-20 | DY18-20 | DY17-20 | DY1800 | DY1800 | DY1800 | DY1800 | DY1800 | DY1800 | |
|----------------------------|--|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|--|
| General Information | | | | | | | | | | |
| Model / Model Code | 17-20 | 18-20 | 17-20 | 18-20 | 18-20 | 18-20 | 18-20 | 18-20 | 18-20 | |
| Rated Power/Speed (kW) | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | |
| Rated Torque (kg·m) | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | |
| Rated Torque (N·m) | 207 | 207 | 207 | 207 | 207 | 207 | 207 | 207 | 207 | |
| Rated Speed (rpm) | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | |
| DY1800 Model Code | Model Code: DY1800-1A, DY1800-1B, DY1800-1C, DY1800-1D, DY1800-1E, DY1800-1F, DY1800-1G, DY1800-1H, DY1800-1I, DY1800-1J | | | | | | | | | |
| Rated Voltage | — | 220V | — | 220V | — | 220V | — | 220V | — | |
| Rated Current | Model Code: DY1800-1A, DY1800-1B, DY1800-1C, DY1800-1D, DY1800-1E, DY1800-1F, DY1800-1G, DY1800-1H, DY1800-1I, DY1800-1J | | | | | | | | | |
| Rated Power Capacity | 14 | | | | 14 | | | | | |
| Rated Torque Capacity | 21 | | | | 21 | | | | | |
| Rated Torque Capacity | Model Code: DY1800-1A, DY1800-1B, DY1800-1C, DY1800-1D, DY1800-1E, DY1800-1F, DY1800-1G, DY1800-1H, DY1800-1I, DY1800-1J | | | | | | | | | |
| Rated Speed | 1500 | | | | 1500 | | | | | |
| Rated Weight (kg) | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | |
| Dimensions (mm) | 185 x 185 x 185 | 185 x 185 x 185 | 185 x 185 x 185 | 185 x 185 x 185 | 185 x 185 x 185 | 185 x 185 x 185 | 185 x 185 x 185 | 185 x 185 x 185 | 185 x 185 x 185 | |

Water-Cooled Engine

- High efficiency and low fuel consumption
- Low maintenance and long life
- Low noise and vibration
- Low emissions
- Low operating costs
- Low maintenance costs
- Low operating costs
- Low maintenance costs
- Low operating costs
- Low maintenance costs
- Low operating costs
- Low maintenance costs

Gas Engine

- High efficiency and low fuel consumption
- Low maintenance and long life
- Low noise and vibration
- Low emissions
- Low operating costs
- Low maintenance costs
- Low operating costs
- Low maintenance costs
- Low operating costs
- Low maintenance costs
- Low operating costs
- Low maintenance costs

Innovation and superior technology

ALL HENRY INDUSTRIES LTD. has a range of products which are designed to "take care" of "today's" and "tomorrow's" needs. We're a leader in producing **HYDRAULIC** assemblies, using steel, brass and aluminum. Our company's name speaks for itself, since we manufacture a great variety of hydraulic components, such as valves, all the kind of hydraulic cylinders, pumps, hoses, hoses, etc. All the kind of hydraulic components are designed through the strict, non-negotiable standard that would have passed

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FEATURES DURABLE POWER SOURCE WITH SUPPORT COMPONENTS

CAST IRON CYLINDER LINER

greatly extends engine life.



FORGED HIGH CARBON STEEL CRANKSHAFT

ensures reliable performance under the most demanding work conditions.



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in both tapered roller design ensures lasting power for any load rating.



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with high carbon content ensures maximum life even in a high pressure, high speed diesel engine. This type provides exceptional fuel saving.



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is available in steel and cast iron and ensures high operating efficiency.



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is available in steel and cast iron for extremely low operation with high power output.



EFFICIENT ELECTRIC STARTER MOTOR

ensures sure start in all weather and climatic conditions.



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ensures maximum power performance and economy.



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