



HIRO ENGINE

AIR COOLED
DIESEL ENGINE

氣冷式柴油引擎系列
CY70AD & CY100AD



MADE IN TAIWAN *Direct injection Engine* 直接噴射引擎

HIRO ENGINE

widens your power selection with two more top utility **AIR-COOLED DIESEL ENGINE**

振裕以兩種更頂尖功效的氣冷式柴油引擎來提升你對動力的選擇



3600rpm型輸出軸為曲軸(快速)
The output shaft of 3600rpm mo



1800rpm型輸出軸為凸輪軸(慢速)
The output shaft of 1800rpm mo

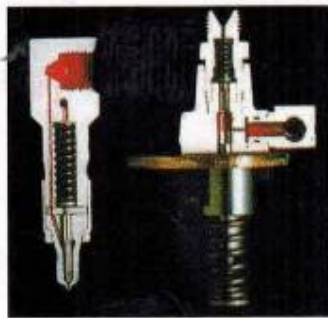


CY100AD

Compact, Direct injection Engine =Easy unstaallation & Low Fuel Comsumption

Its extraordinarily low fuel consumption is a result of this super-precise and its direct injection system

結實直接噴射引擎代表容易安裝和低燃料消耗量。他極低的燃料消耗量是源自於極精確的 FIE 和他的直接噴射系統。

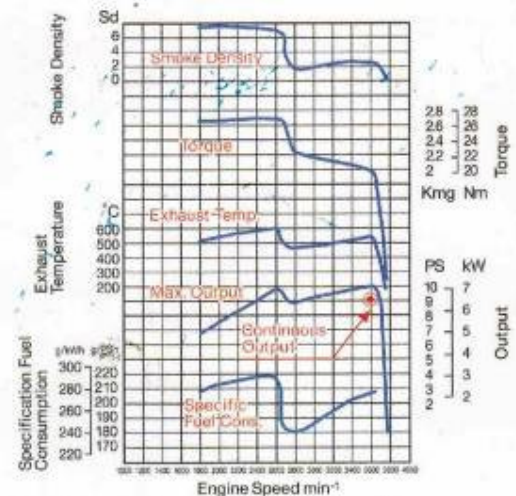


Low Vibration and Low Noise

Superior vibration and noise reduction is achieved through the use of precision balancers. This leads to operating comfort even under long work hours.

低震動和低噪音

經由使用精確的平衡器達到減低震動和噪音就算是長時間使用也能順暢的運轉。



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%

Fast, effortless starts from a one-pull recoil starter.

A short and smooth pull of the toggle kicks off the engine, as simple as a gasoline model.

Electric starting is also a useful option.

經由一輕拉彈回起動裝置就能迅速不費力啟動
一個短且平順的拉繩開關就能起動引擎，就像
汽油引擎一樣簡單。電動起動也是一使用選擇



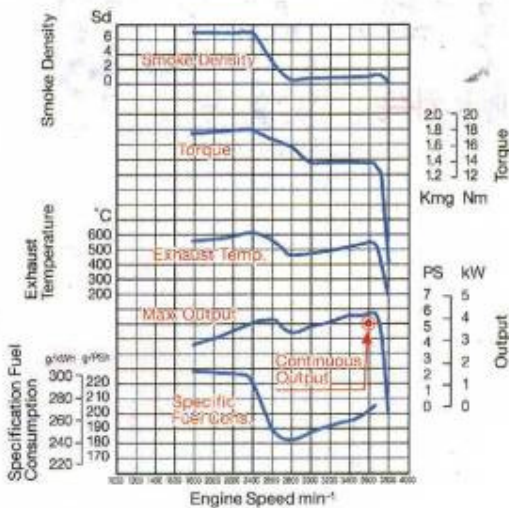
CY70AD



3600rpm型輸出軸為曲軸(快速)
The output shaft of 3600rpm mo



1800rpm型輸出軸為凸輪軸(慢速)
The output shaft of 1800rpm mo

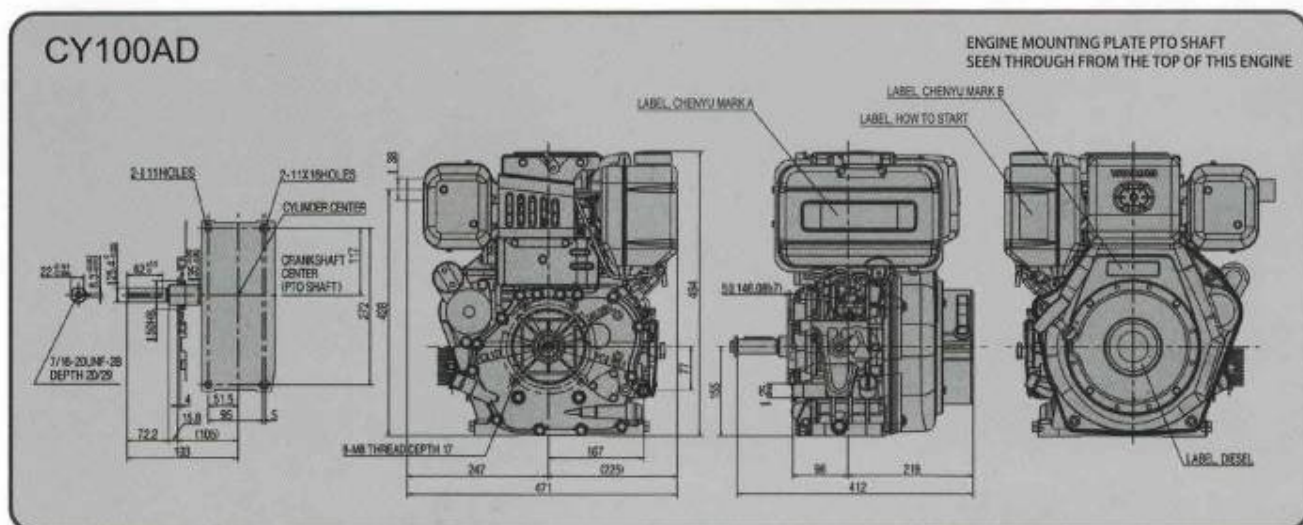
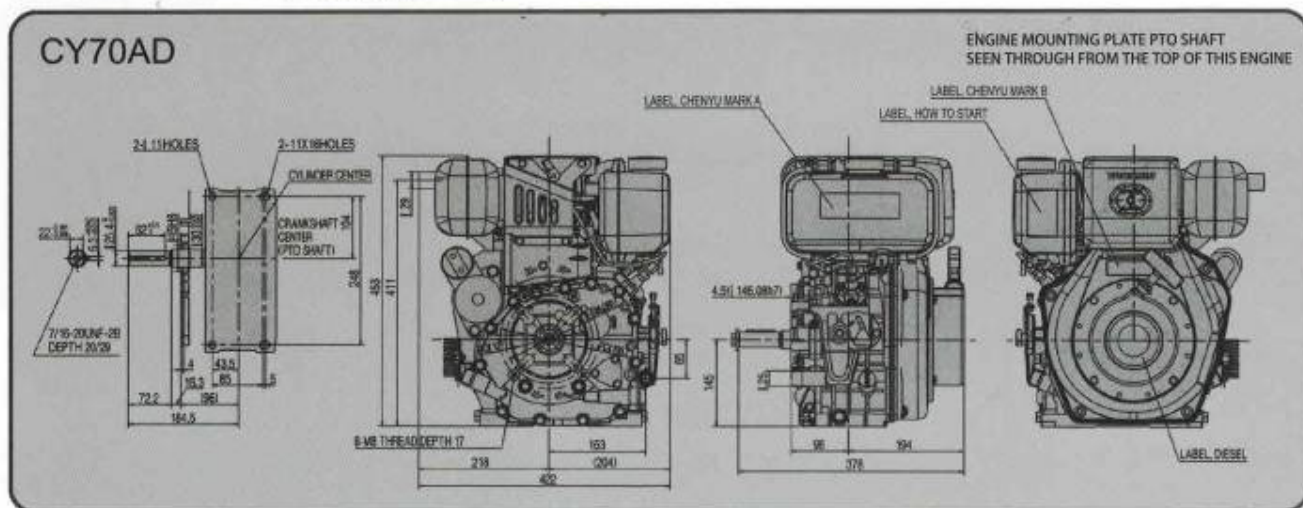


Notes: This performance is under the following condition.
After 30 hrs. initial running
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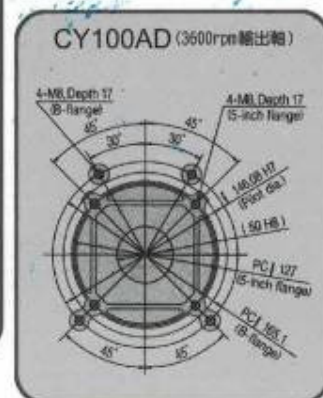
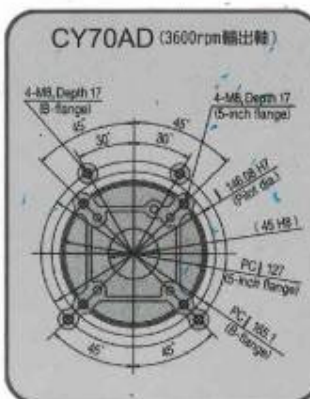
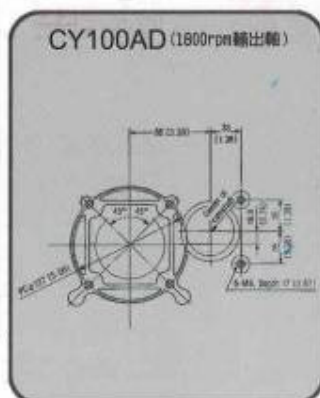
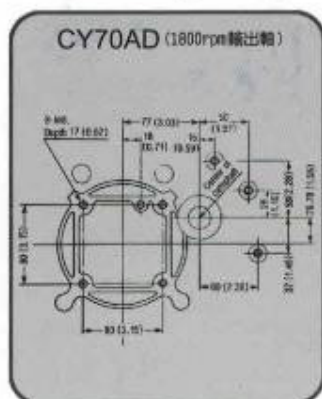
SPECIFICATIONS 規格 (3600rpm輸出軸 / 1800rpm輸出軸)

Model 型號	CY70AD		CY100AD	
Type 類型	Vertical, 4 cycle, air cooled diesel engine			
Combustion system 燃料系統	Direct injection			
Borexstroke 缸徑x行程 mm	78X62		86X70	
Displacement 排氣量 cc	296		406	
Engine speed 轉速 rpm	3600	3000	3600	3000
Output hp(kw) Maximum	6.7(4.9)	6.1(4.5)	10.0(7.4)	8.8(6.5)
輸出功率 Continuous	6.0(4.4)	5.5(4.0)	9.0(6.6)	7.7(5.7)
Starting system 起動系統	Recoil & Electric			
Fuel 燃油	Diesel fuel			
Fuel tank capacity 燃油箱容量 L	3.5		5.5	
Lube oil capacity 潤滑油容量 L	1.1		1.65	
Dry weight 淨重 kg	33		48	

DIMENSIONS 尺寸表(mm)



PTO Flanges



THE WORLD'S MOST POWERFUL DIESEL ENGINES OF THEIR SIZE!



CY60C/CY60R



CY80C/CY80R



CY105C/CY105R



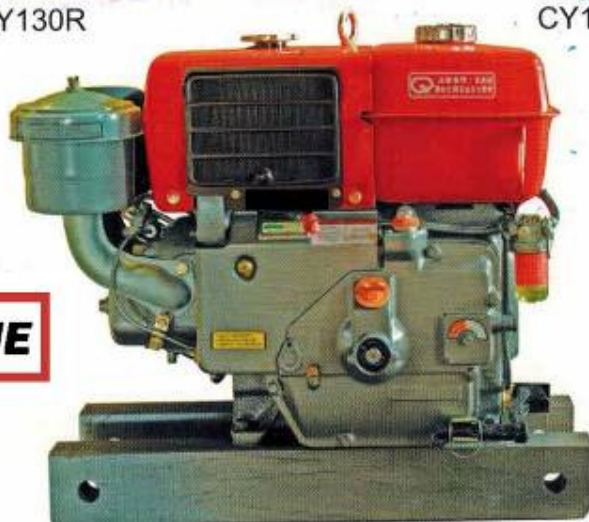
CY120C/CY120R



CY130C/CY130R



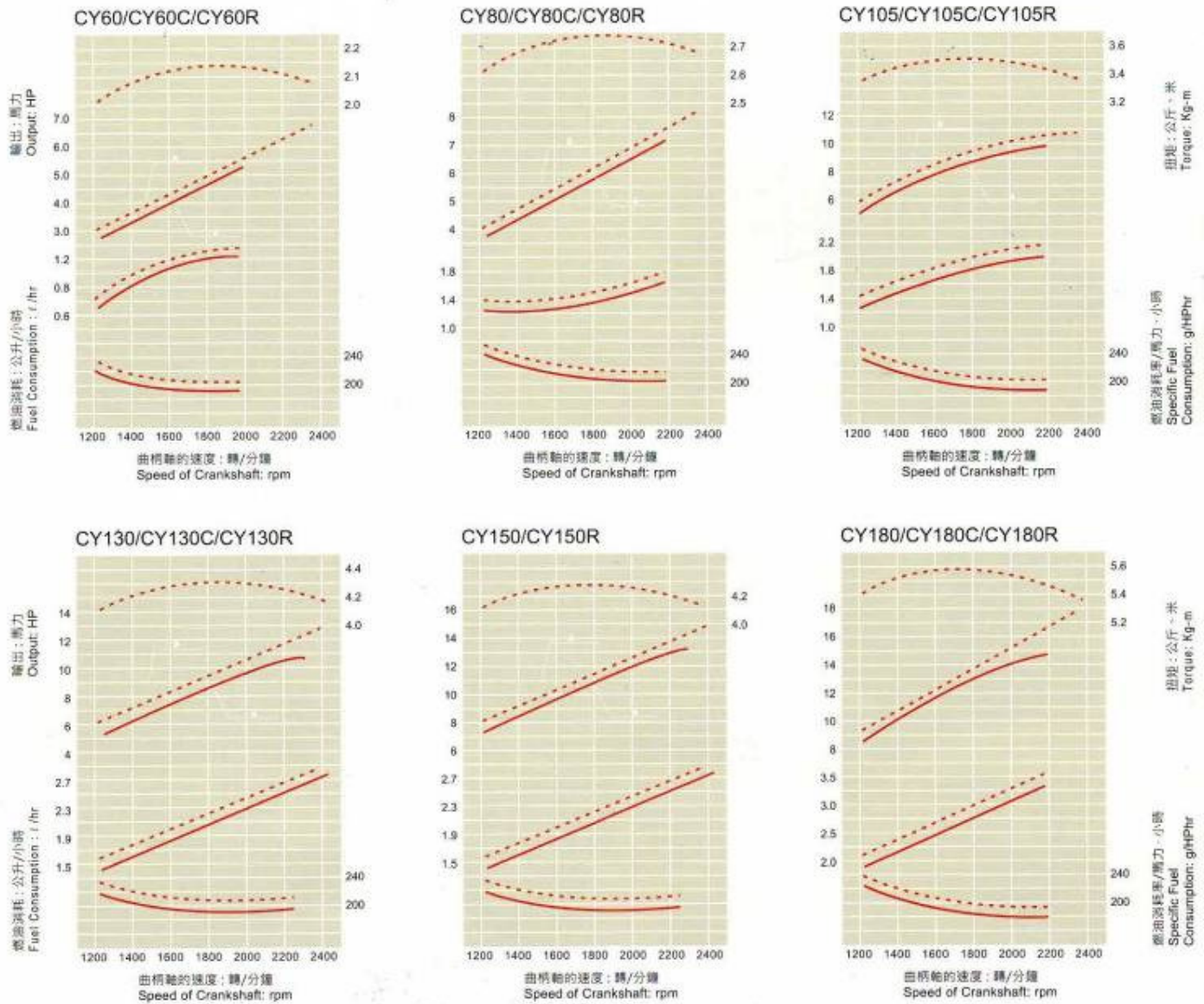
CY180C/CY180R



CY150R

HIRO ENGINE

性能曲線 PERFORMANCE CURVES



SPECIFICATIONS

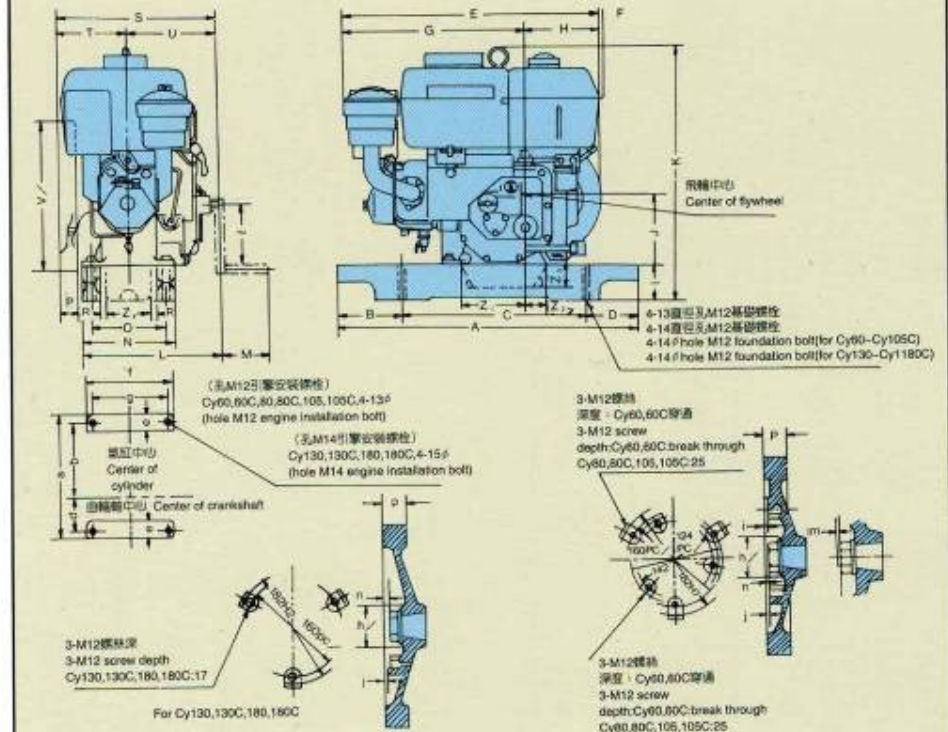
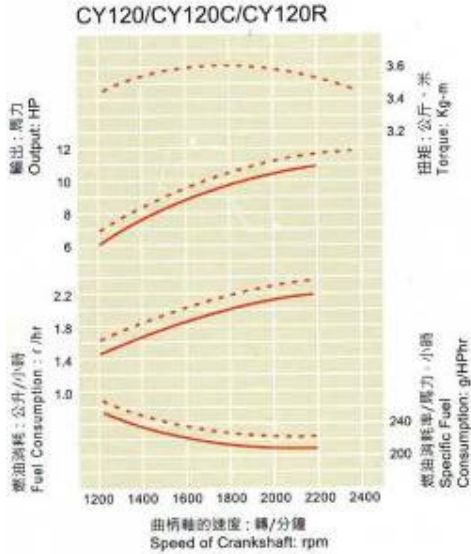
Model	型式	CY60	CY60C	CY80	CY80C	CY105	CY105C	CY130	CY130C	CY150	CY150R	CY180	CY180C
Type	規格	zontal diesel engine 四衝程臥式柴油引擎											
No. of cylinder		1											
Bore x stroke		75 x 75		80 x 85		85 x 90		92 x 95		95 x 95		102 x 106	
Output	BHP/rpm	A:5/2000		A:7/2200		A:9/2200		A:11/2200		A:13/2200		A:15/2200	
輸出馬力		B:6/2400		B:8/2400		B:10.5/2400		B:13/2400		B:15/2400		B:18/2400	
Stroke volume	排氣量cc	331		427		510		631		673		868	
Specific fuel consumption	g/HPHr	210		210		210		205		210		205	
燃料消耗率													
Cooling system	冷卻系統	漏斗	冷卻器	漏斗	冷卻器	漏斗	冷卻器	漏斗	冷卻器	漏斗	散熱器	漏斗	冷卻器
		Hopper	Condenser	Hopper	Condenser	Hopper	Condenser	Hopper	Condenser	Hopper	Radiator	Hopper	Condenser
Lubrication system	潤滑系統	Forced lubrication 強制潤滑											
Fuel tank capacity	油箱容量 /	6.5		9.5		10.0		11.0		12.4		17.5	
Oilpan capacity	油槽容量 /	1.7		2.2		3.0		3.2		3.6		3.6	
Cooling water capacity	冷卻水容量 /	7.5	1.7	9.5	2.2	10.9	2.3	12.4	2.5	12.5	3.8	18	3.2
Dry weight	淨重Kg	64	69	82	86	85	91	101	108	103	112	155	163

- 註: 1. 依據DIN6270 (德國工業標準) 持續輸出'A'項允許10%的超負荷。
 2. 依DIN6270標準持續輸出'B'項則不允許超載。
 3. 依DIN6270標準規範所做額定量是基於下列標準大氣狀況: 766毫米汞柱大氣壓力, 20°C 週邊溫度。

Note: 1. Continuous output "A" permitting 10% overload due to DIN 6270.
 2. Continuous output "B" no overload permissible due to DIN 6270.
 3. Ratings due to DIN 6270 standard specifications are based on the following standard atmospheric conditions: 766mm Hg barometric pressure, 20°C ambient temperature, 60% relative air humidity.



◎尺寸表(DIMENSIONS) ◎寸法(mm)



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	a	b	d	e	f	g	h	i	j	m	n	l	Z ₁	Z ₂	Z ₃	Z ₄
CY80/CY80C	880	115	450	115	583	-	413	170	80	147	543	-	111.5	260	170	38	12	40	250	150	200	340	264	162	72	37	200	170	70	25	23	-	2.5	150	-	-	-	-
CY80/CY80C	720	150	450	120	625	-	443	182	80	160	577	-	111.5	210	170	51	12	40	276	168	208	340	303	188	82	40	200	170	82	16	14	-	6.5	150	-	-	-	-
CY105/CY105C	880	170	510	120	675	-	495	189	90	170	638	378	111.5	214	170	50	10	44	378	168	211	360	329	212	87	40	200	170	82	13	15	-	-	170	-	-	-	-
CY120/CY120R	880	170	510	120	675	-	495	189	90	170	638	378	111.5	214	170	50	10	44	378	168	211	360	329	212	87	40	200	170	82	13	15	-	-	170	-	-	-	-
CY130/CY130C	840	197	520	123	718	-	512	204	110	195	609.5	349.5	126.5	255	205	64	-	-	405	193	222	375	370	223	117	40	215	185	84	-	12	-	11.5	170	187	81	95.5	120
CY150/CY150R	840	197	520	123	724	-	520	204	110	195	609.5	349.5	126.5	255	205	64	-	-	405	193	222	375	370	223	117	40	215	185	84	-	12	-	11.5	170	187	81	95.5	120
CY180/CY180C	895	185	610	100	792	-	528.5	264	110	178	681.5	-	128	255	205	70	11.5	-	432	209	224	400	400	220	180	40	215	185	780	27	-	19.5	170	175	135	76.5	120	

SPECIFICATIONS

Model 型式	CY60R	CY80R	CY105R	CY130R	CY120C	CY120R	CY180R					
Type 規格	zontal diesel engine 四衝程臥式柴油引擎											
No. of cylinder	1											
Bore x stroke	75 x 75	80 x 85	85 x 90	92 x 95	88 x 90		102 x 108					
Output BHP/rpm	A:5/2000 B:6/2400	A:7/2200 B:8/2400	A:9/2200 B:10.5/2400	A:11/2200 B:13/2400	A:10/2200 B:12/2400		A:15/2200 B:18/2400					
Stoke volume 排氣量cc	331	427	510	631	547		866					
Specific fuel consumption g/HP-hr 燃料消耗率	210	210	210	205	210		205					
Cooling system 冷卻系統	散熱器 Radiator	散熱器 Radiator	散熱器 Radiator	散熱器 Radiator	冷卻器 Condenser	散熱器 Radiator	散熱器 Radiator					
Lubrication system 潤滑系統	Fored lubrication 強制潤滑											
Fuel tank capacity 油箱容量/	6.5	9.5	10.0	11.0	10.0		17.5					
Oilpan capacity 油槽容量/	1.7	2.2	3.0	3.2	3.0		3.6					
Cooling water capacity 冷卻水容量/	2.2	2.5	2.7	3.0	2.7		3.6					
Dry weight 淨重kg	64	69	82	86	85	91	101	108	86	92	155	163

●上述產品規格如有變動，恕不另行通知。

Note: ALL data subject to alteration without notice.

