

GM MEDIUM DUTY ENGINE SPECIFICATIONS

ENGINE AVAILABILITY CHART

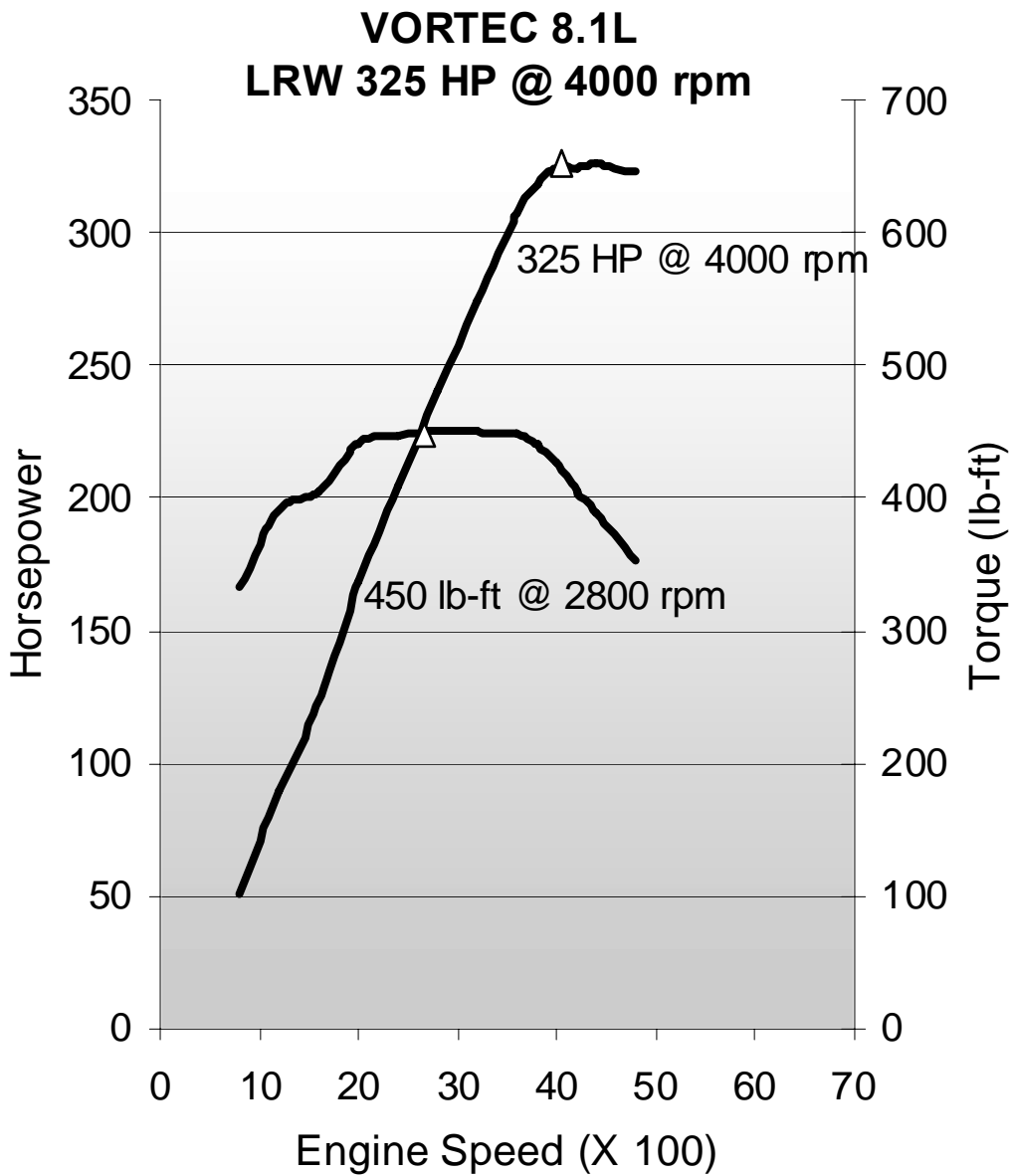
ENGINE	POWER OPTION	EMISSIONS		MODELS
		FEDERAL	CALIFORNIA	
VORTEC 8.L	LRW 325 HP (239.7 KW)	X	X	C4C042, C4C044, C4E042, C4E044, C4V042, C4U042, C5C042, C5C044, C5E042, C5E044, C5V042, C5U042
	LRX 300 HP (223 KW)	X	X	C4C042, C4C044, C4E042, C4E044, C4U042, C4V042, C5C042, C5C044, C5E042, C5E044, C5V042, C5U042
DURAMAX 6.6L V8 DIESEL	LYE 330 HP (246 KW) (HIGH TORQUE)	X	X	C4C042, C4C044, C4E042, C4E044, C4U042, C4V042, C5C042, C5C044, C5E042, C5E044, C5V042, C5U042
ISUZU 6HK1-TC 7.8L I6 Diesel	LYA 215 HP (160 KW)	X	X	C6C042, C6E042, C6V042, C7C042, C7E042, C7V042
	LYB 230 HP (170 KW)	X	X	C6C042, C6E042, C6V042, C7C042, C7E042, C7V042 C8C042, C8E042, C8V042 C8C064, C8E064, C8V064
	LYC 260 HP (194 KW)	X	X	C6C042, C6E042, C6V042, C7C042, C7E042, C7V042 C8C042, C8E042, C8V042 C8C064, C8E064, C8V064
	LYD 260 HP (194 KW)	X	X	C7C042, C7E042, C7V042, C8C042, C8E042, C8V042, C8C064, C8E064, C8V064
	LQF 300 HP (224 KW)	X	X	C7C042, C7E042, C7V042, C8C042, C8E042, C8V042, C8C064, C8E064, C8V064

¹ Not available for purchase after December 2008.

ENGINE SPECIFICATIONS

POWER CURVES
VORTEC 8.1L MD – ORDER CODE (LRW)
FOR C4500 – C5500

Number of Cylinders	8
Displacement	496 cu. In. (8.1L)
Bore and Stroke	4.25" x 4.37" (107.95 mm x 111.0 mm)
Compression Ratio	9.1:1
Dry Weight, less clutch	761 lb. (345 kg.)
Fuel System	Sequential Fuel Injection
Net Horsepower	325 HP (239.7 KW) @ 4000 rpm
Net Torque	450 lb.-ft. (610.1 N-m) @ 2800 rpm
Engine Speed Limited to	5000 rpm



POWER CURVE

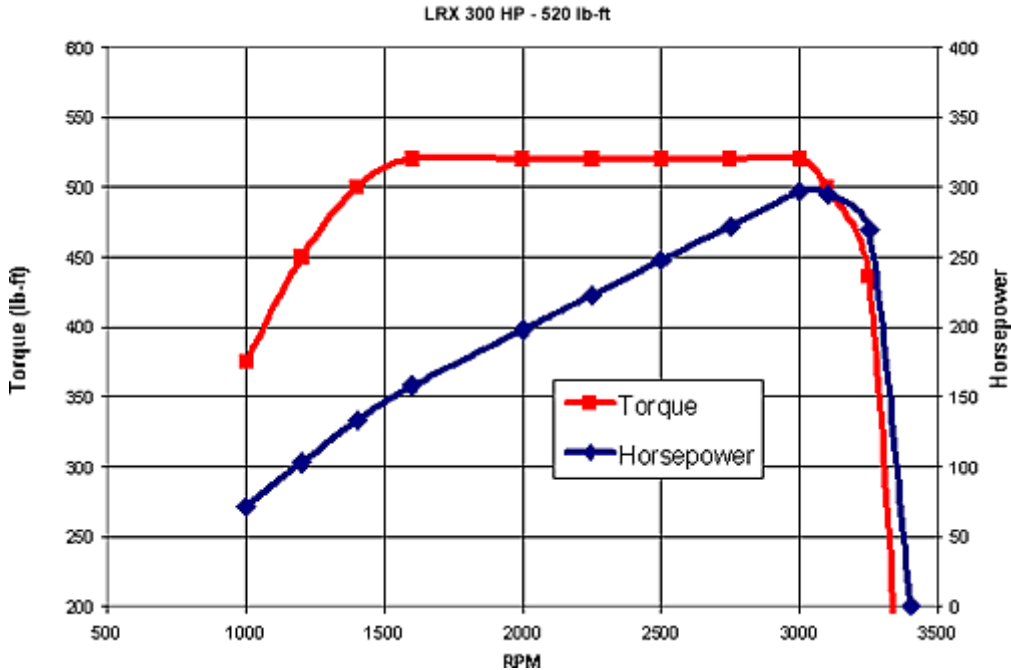
DURAMAX 6.6L (300HP) – ORDER CODE (LRX)

PRELIMINARY INFORMATION

RPO (GM Ordering)	(Power Option LRX)
Number of Cylinders	8
Displacement	6.6L
Bore and Stroke	103 mm and 99 mm
Compression Ratio	17.5:1
Dry Weight, less clutch	835 lb.
Fuel Grade Used	No. 2 Diesel
	Engine Power @ RPM

SAE Gross Horse Power	
SAE Net Horse Power	300 @ 3,000 RPM
SAE Gross Torque (lb-ft)	
SAE Net Torque (lb-ft)	520 @ 1,600RPM
Engine Speed Limited to	3,250 RPM

Duramax 6.6L 300 hp (223 kw) @ 3000 rpm, 520 lb-ft (702 N-m) torque @ 1600 rpm Performance Data



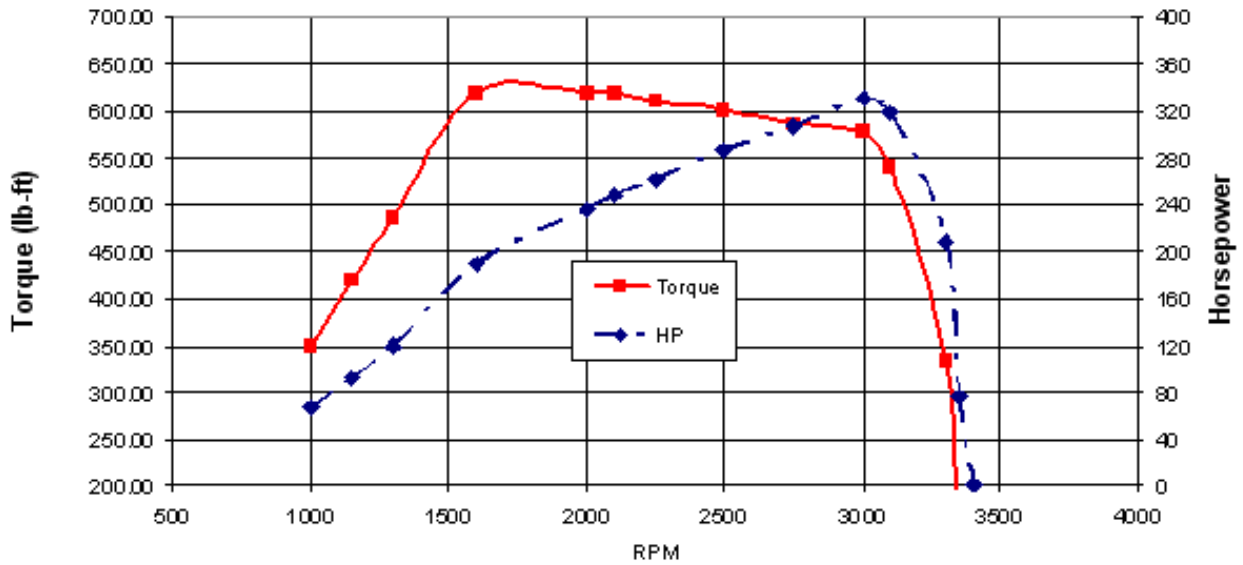
ENGINE SPECIFICATIONS

**POWER CURVE
DURAMAX 6.6L (300HP) – ORDER CODE (LYE)
PRELIMINARY INFORMATION**

RPO (GM Ordering)	(Power Option LYE)
Number of Cylinders	8
Displacement	6.6L
Bore and Stroke	103 mm and 99 mm
Compression Ratio	17.5:1
Dry Weight, less clutch	835 lb.
Fuel Grade Used	No. 2 Diesel
	Engine Power @ RPM

SAE Gross Horse Power	
SAE Net Horse Power	330 @ 3,000 RPM
SAE Gross Torque (lb-ft)	
SAE Net Torque (lb-ft)	620 @ 1,600RPM
Engine Speed Limited to	3,000 RPM

**Duramax 6.6L 330 hp (246 kw) @ 3000 rpm, 620 lb-ft
(820 N-m) torque @ 1600 rpm Performance Data
LYE 330 HP – 620 lb-ft**



POWER CURVES

ISUZU 6HK1-TC 7.8L I6 DIESEL – Order Code LYA

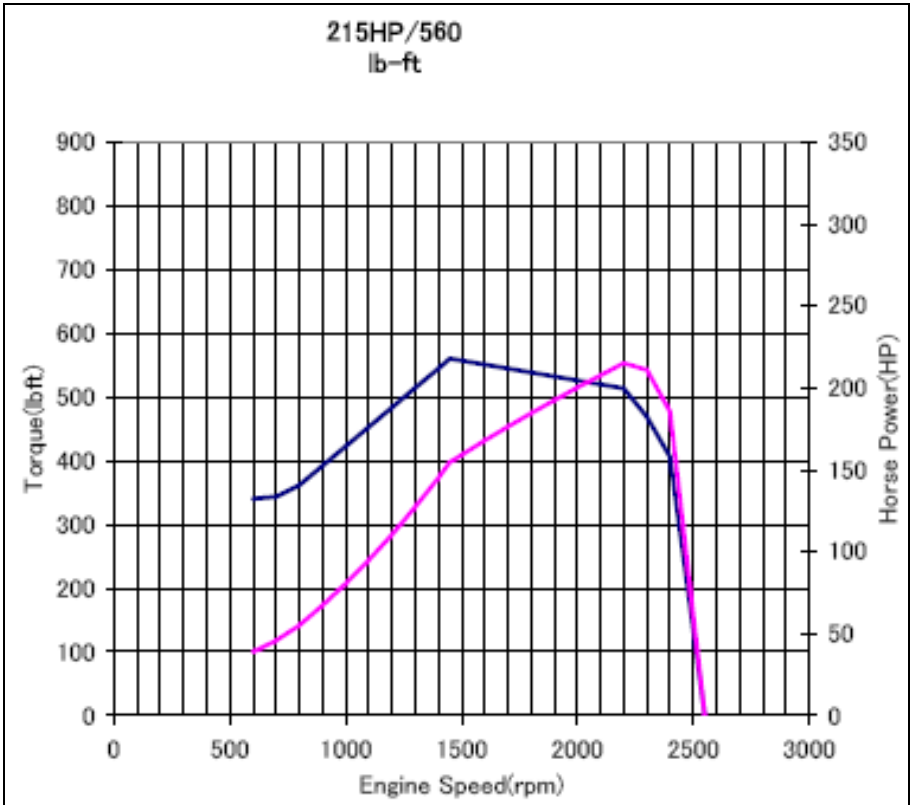
Number of Cylinders	6
Displacement	475 cu. in. (7.8 L)
Bore and Stroke	4.52" x 4.92" (11.48 cm x 12.5 cm)
Compression Ratio	17.5 : 1
Dry Weight, less clutch	1250 lb. (567 kg)
Fuel Grade Required	No. 2 Diesel
Taxable Horsepower - SAE - AMA	40.94 HP (30.5 KW)

Engine Power @ rpm

Gross Horsepower	215 HP (160 KW) @ 2200
Gross Torque	560 lb.-ft. (759 N-m) @ 1,450 rpm
Low Idle (rpm)	600
Altitude Capability	10,000' (3048 m)
Governed Full Load Setting	2400
Torque Rise (%)	36

ISUZU 6HK1-TC 7.8L I6 215 HP (160 KW) @ 1,450 rpm

Performance Data

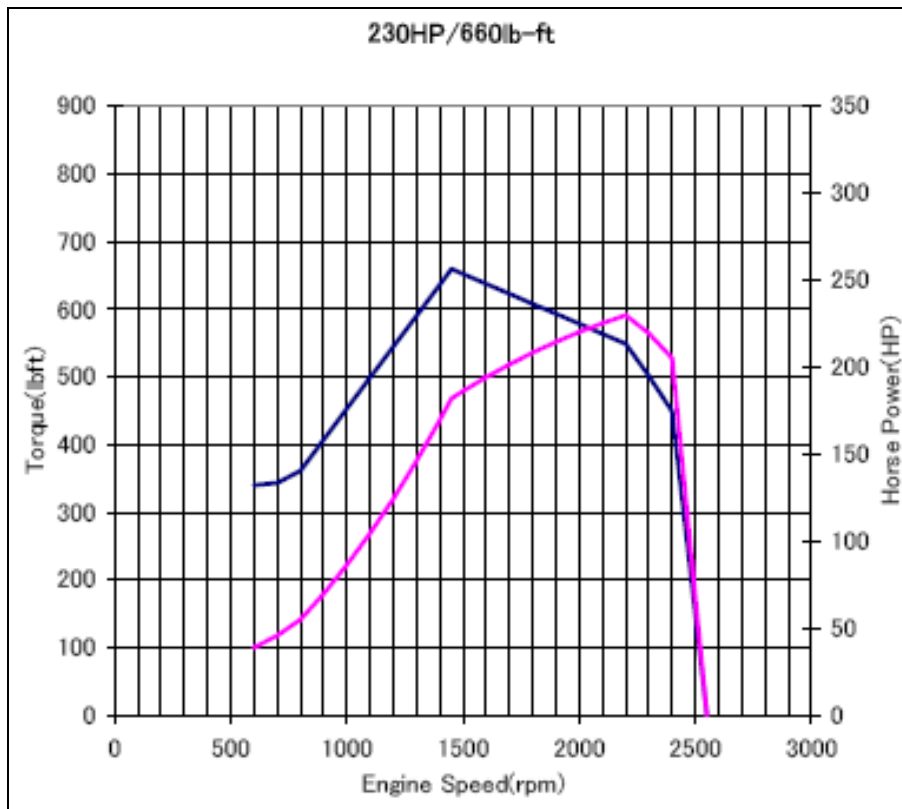


ENGINE SPECIFICATIONS

**POWER CURVES
ISUZU 6HK1-TC 7.8L I6 DIESEL – Order Code LYB**

Number of Cylinders	6
Displacement	475 cu. in. (7.8 L)
Bore and Stroke	4.52" x 4.92" (11.48 cm x 12.5 cm)
Compression Ratio	17.5 : 1
Dry Weight, less clutch	1250 lb. (567 kg)
Fuel Grade Required	No. 2 Diesel
Taxable Horsepower - SAE - AMA	40.94 HP (30.5 KW)
Engine Power @ rpm	
Gross Horsepower	230 HP (170 KW) @ 2200
Gross Torque	660 lb.-ft. (895 N-m) @ 1450 rpm
Low Idle (rpm)	600
Altitude Capability	10,000' (3048 m)
Governed Full Load Setting	2400
Torque Rise (%)	44

**ISUZU 6HK1-TC 7.8L I6 230 HP (160 KW) @ 2200 rpm
Performance Data**



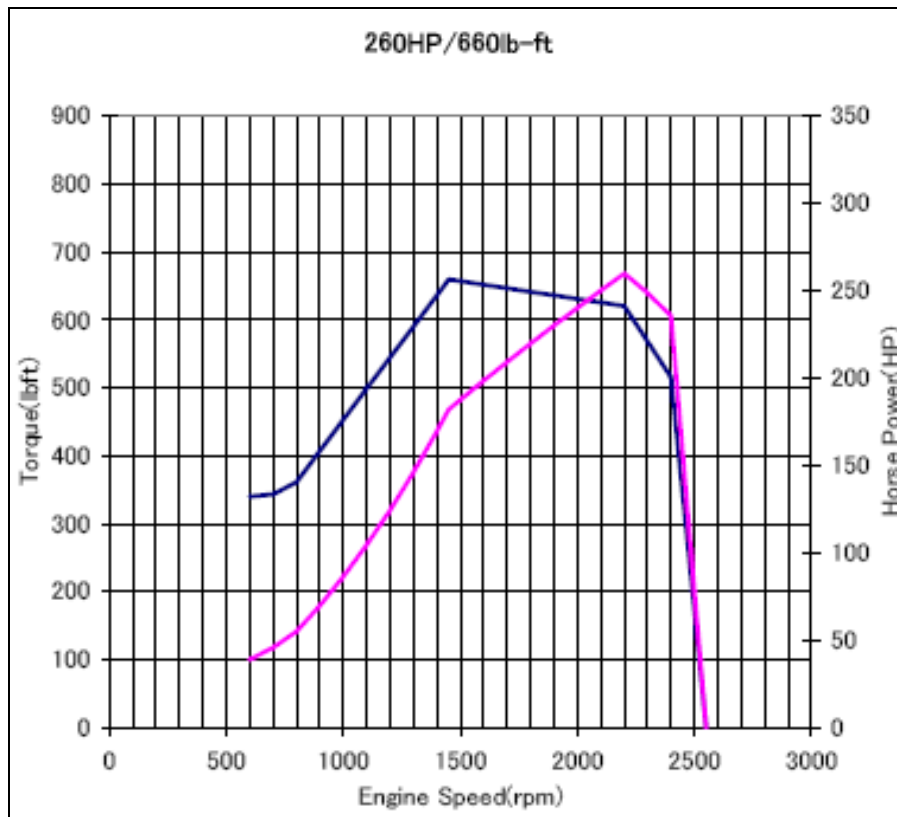
POWER CURVES

ISUZU 6HK1-TC 7.8L I6 DIESEL – Order Code LYC

Number of Cylinders	6
Displacement	475 cu. in. (7.8 L)
Bore and Stroke	4.52" x 4.92" (11.48 cm x 12.5 cm)
Compression Ratio	17.5: 1
Dry Weight, less clutch	1250 lb. (567 kg)
Fuel Grade Required	No. 2 Diesel
Taxable Horsepower - SAE - AMA	40.94 HP (30.5 KW)
Engine Power @ rpm	
Gross Horsepower	260 HP (194 KW) @ 2200
Gross Torque	660 lb.-ft. (895 N-m) @ 1450rpm
Low Idle (rpm)	600
Altitude Capability	10,000' (3048 m)
Governed Full Load Setting	2400
Torque Rise (%)	44

ISUZU 6HK1-TC 7.8L I6 260 HP (160 KW) @ 2200 rpm

Performance Data

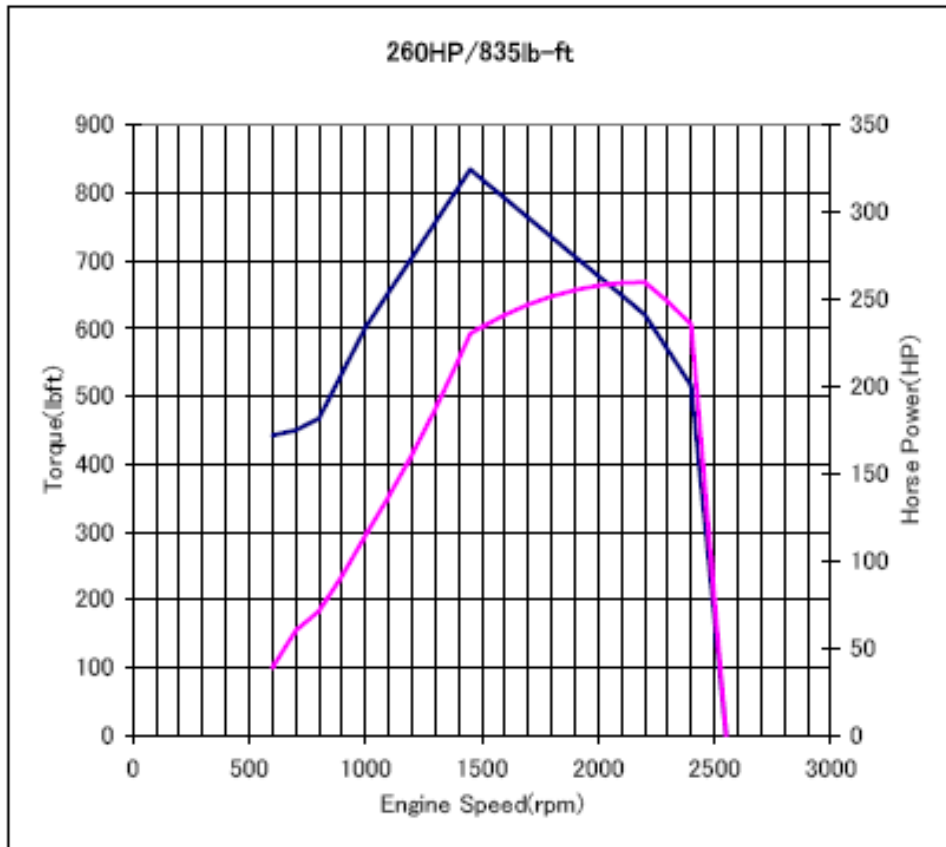


ENGINE SPECIFICATIONS

**POWER CURVES
ISUZU 6HK1-TC 7.8L I6 DIESEL - ORDER CODE LYD**

Number of Cylinders	6
Displacement	475 cu. in. (7.8 L)
Bore and Stroke	4.52" x 4.92" (11.48 cm x 12.5 cm)
Compression Ratio	17.5: 1
Dry Weight, less clutch	1250 lb. (567 kg)
Fuel Grade Required	No. 2 Diesel
Taxable Horsepower - SAE - AMA	40.94 HP (30.5 KW)
Engine Power @ rpm	
Gross Horsepower	260 HP (194 KW) @ 2200
Gross Torque	835 lb.-ft. (1132 N-m) @ 1450rpm
Low Idle (rpm)	600
Altitude Capability	10,000' (3048 m)
Governed Full Load Setting	2400
Torque Rise (%)	47

**ISUZU 6HK1-TC 7.8L I6 260 HP (194 KW) @ 1450 rpm
Performance Data**



POWER CURVES ISUZU 6HK1-TC 7.8L I6 DIESEL - ORDER CODE LQF

Displacement	475 cu. in. (7.8 L)
Bore and Stroke	4.52" x 4.92" (11.48 cm x 12.5 cm)
Compression Ratio	17: 1
Dry Weight, less clutch	1250 lb. (567 kg)
Fuel Grade Required	No. 2 Diesel
Taxable Horsepower - SAE - AMA	40.94 HP (30.5 KW)

Engine Power @ rpm

Gross Horsepower	300 HP (223 KW) @ 2200
Gross Torque	860 lb.-ft. (1,166 N-m) @ 1440rpm
Low Idle (rpm)	600
Altitude Capability	10,000' (3048 m)
Governed Full Load Setting	2400
Torque Rise (%)	52

ISUZU 6HK1-TC 7.8L I6 300 HP (224 KW) @ 2200 rpm Performance Data

