



**Quality Products
Engineered to Last**

A-42 A-54 A-62 A-90

A-SERIES POWER UNITS

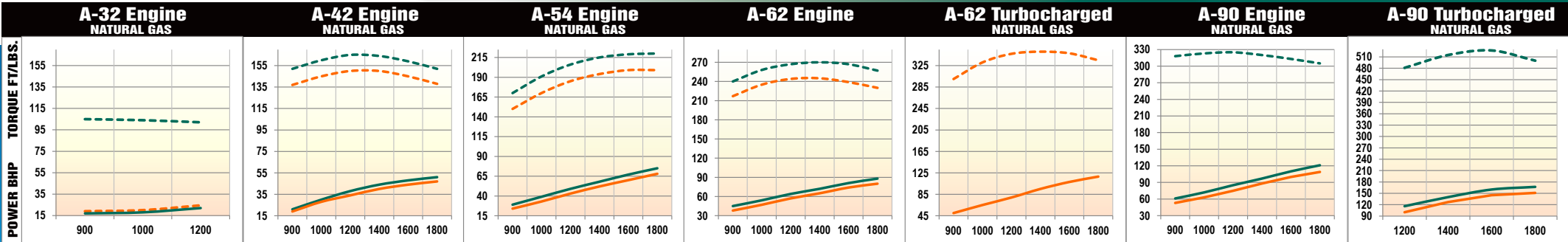


**A Tradition of Excellence
Since 1955**

A-SERIES POWER UNITS

POWER RATINGS

--- INTERMITTENT TORQUE --- CONTINUOUS TORQUE — INTERMITTENT BHP — CONTINUOUS BHP



ENGINE MODEL	FUEL	PEAK INTERMITTENT TORQUE @ RPM FT/LBS	TORQUE	BHP* AT SPEEDS INDICATED					
				900	1000	1200	1400	1600	1800
A-32	Nat Gas	105@900	I	17	20	24.5			
			C	16	18	22			
A-42	Nat Gas	165 @ 1200	I	21	30	38	44	48	51
			C	19	28	34	40	44	47
A-54	Nat Gas	220 @ 1600	I	29	39	49	58	67	75
			C	24	33	43	52	60	68
A-54 HD5 (VR330)	Propane	285 @ 1400	I	43	54	65	76	85	92
			C	37	48	58	68	76	83
A-54 CF (VR330 CF)	Nat Gas	233 @ 1600	I	30	41	50	61	71	80
			C	25	35	45	55	64	72
A-62 (VR380)	Nat Gas	269 @ 1400	I	45	54	64	72	81	88
			C	38	47	57	65	74	80
A-62 Turbo	Nat Gas	392 @ 1400	C	50	65	79	95	108	115
A-90	Nat Gas	376 @ 1200	I	61	72	85	97	110	121
			C	53	63	75	88	100	109
A-90 Turbo	Nat Gas	527@1600	I		82	116	140	160	167
			C		73	100	127	145	151

Altitude

NA engines - Deduct 3% for each 1000' (305m) above 1500' (457m) for continuous duty, or above 500' (152m) for intermittent duty.

Temperature

Deduct 1% for every 10°F (6°C) above 100°F (38°C) for continuous duty, or above 85°F (29°C) for intermittent duty.

All ratings corrected to 500' (152m) altitude, 29.38" (746 mm) Hg and temperature of 85°F (29°C).

Natural gas ratings are based on use of 900 BTU (33.5 J/cm)/FT³ LHV gas. HD-5 propane ratings are based on use of 2335 BTU.

*Actual BHP may vary depending upon engine configuration.

STANDARD FEATURES	A-32	A-42	A-54	A-62	A-62 TA	A-90	A-90 TA
12 Volt Starter	✓	✓	✓	✓	✓	✓	✓
12 Volt Alternator	✓	✓	✓	✓	✓	✓	✓
Standard Oil Cooler	✓	✓	✓	✓	✓	✓	✓
Centrifuge Oil Filter	✓	✓	✓	✓	✓	✓	✓
Natural Gas Carburetor	✓	✓	✓	✓	✓	✓	✓
CD-1 Ignition System	✓	✓	✓	✓	✓	✓	✓
Enclosure (Doors Optional)	✓	✓	✓	✓	✓	✓	✓
Single-Plate PTO Clutch	✓	✓	✓	✓	✓	✓	✓
Double-Plate PTO Clutch (Optional)	✓	✓	✓	✓	✓	✓	✓
Dry-Type Air Cleaner	✓	✓	✓	✓	✓	✓	✓
Sucker Fan	✓	✓	✓	✓	✓	✓	✓
Mechanical Governor			✓				
Electronic Governor	✓	✓	✓	✓	✓	✓	✓
Analog Tachometer w/Hour Meter	✓	✓	✓	✓	✓	✓	✓
Oil Pressure Gauge w/Low Oil Pressure Shutdown	✓	✓	✓	✓	✓	✓	✓
Water Temp Gauge w/High Water Temperature Shutdown	✓	✓	✓	✓	✓	✓	✓
Standard Oil Filter Base • Spin-On Full-Flow Filter Included	✓	✓	✓	✓	✓	✓	✓
Main Bearings	4	5	7	7	7	7	7
Lifting Eyes – Front & Rear	✓	✓	✓	✓	✓	✓	✓
Serrated, Angle-Cut, Connecting Rods	✓	✓		✓	✓	✓	✓
Forged-Steel Connecting Rods		✓	✓	✓	✓	✓	✓
Heavy-Duty Crankcase	✓	✓	✓	✓	✓	✓	✓
Exhaust Manifold With Top Outlet			✓				
Liquid Cooled Manifold					✓		
Individual Cylinder Heads	✓	✓		✓	✓	✓	
Replaceable, Precision Main & Rod Bearings	✓	✓	✓	✓	✓	✓	
Overhead-Valve Cylinder Heads with Replaceable Guides & Seats	✓			✓	✓	✓	
Forged-Steel, Dynamically-Balanced & Counterweighted Crankshafts with Hardened Journals	✓	✓	✓	✓	✓	✓	
One (1) Year Limited Warranty	✓	✓	✓	✓	✓	✓	✓



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OPTIONAL FEATURES

- 24 Volt system
- Automatic oil level system
- Protected ignition
- AFR controls for emissions
- Catalytic converter
- Dual disc clutches
- Hospital grade mufflers
- Arrow Autostart System

Liquid Cooled Manifold

Available as a standard feature on the A-Series A-90 engine.

- Keeps the manifold temperature down
- Prevents damage to vital engine components due to heat, compared to dry exhaust systems
- Lowers temperature of enclosure

CD-1 Ignition Systems

CD1 is a capacitor-discharge, electronic microcircuit based ignition system for 1 to 8 cylinder industrial engines. It may be powered by either 8 to 30 VDC, and has no moving parts. It works with the step-up coils (one per cylinder.)

Engine timing should be set to 28° BTDC.

Employing digital circuitry, the CD1 unit processes signal from a magnetic pickup, sensing drilled reference holes or protrusions. This provides accurate and consistent timing referenced directly to the crankshaft or camshaft. The CD1 uses high energy, capacitor-discharge principle which provides maximum engine performance and can extend spark plug life three to five times when compared to an inductive system. Indicating LED's convey whether proper pickup signals are being received and if the corresponding output signals are correct.



C-SERIES	C-46	C-66	C-96	C-101	C-106	C-255
A-SERIES	A-32	A-42	A-54	A-62 A-62 Turbo A-62 Genset	A-90 A-90 Turbo A-90 Genset	A-160 A-160 Turbo A-160 Genset
K-SERIES	K6					
L-SERIES	L-795					



GAS PRODUCTS	Meter Runs Meter Skids	Volume Tanks Coalescers Structural Skids	2 & 3-Phase Separators Fuel Gas Cond. Skid	Heater Treater Indirect Heater H2S Scavenger Unit	Dehydration Unit Liquid Stabilizer
CHEMICAL PUMPS	10 Series (beam operated)	430 Series (electric)	12, 500, & 510 Series (pneumatic)	Solar Chemical Pumps	OEM & Aftermarket Spare Parts



COMPRESSION PRODUCTS	Compressor Frames VRC-2 VRS-2 VRS-4 (Coming Soon)	CNG Compressor Frames & Packages VRC-CNG	Vapor Recovery Units VRU-1 VRU-2	Gas Lift Packages Electric HP Gas Engine (VR, A-Series, Cat)	Custom Compression Packages
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CATERPILLAR®	G379	G398	G399	G3304	G3306
WAUKESHA®	F2895 F3521 F5108	L5790 L7042	P9390	145G/F817 140G/F554	F18 H24 WAK/1197
FAIRBANKS®	ZC-118	ZC-208	ZC-503	ZC-739	ZC-346
AJAX®	5x 6½	EA-22, 6½ x 8 CMA EA30, 7½ x 10 CMA EA-30, 7¼ x 8 CMA E-42, 8½ x 10 CMA		DP-60, 9½ x 10 CMA DP-115/230, 13½ x 16 DP-70/80/160, 11 x 14 CMA	

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