

30 YEARS OF PROOF

KVT Gas powered generator sets has proven themselves in the last 30 years in different applications offering reliability and durability to our customers. Inspired by and led by the future requirements of our customers to meet the needs of different industries including telecommunications, rental, retail, healthcare, materials handling, agricultural/turf, manufacturing, construction, emergency aid relief and data centres.



KVT
-GAS-

GENERATORS



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GAS POWERED GENERATORSETS

The tightening of regulations and the instability of traditional fuel makes alternatively fuelled gensets an increasingly attractive option. Natural gas, Liquefied Petroleum Gas and bio fuels offer quiet, cleaner and domestically produced energy at a lower overall cost.

Today's power users need robust and cost-effective power generation systems that meet ever-increasing global emissions standards. To harness its enormous potential, Kemper en van Twist (KVT) has been gasifying Perkins Diesel engines over the last 30 years. Today we are designing, developing, manufacturing gas engines and converting gensets meeting worldwide customer needs more precisely than ever before. This international success can be attributed to KVT's philosophy of putting customers at the heart of our business and together meeting market challenges, anticipating the changing requirements.

As demand for cleaner power increases throughout the world, our insight and experience means we can tailor gas gensets specifically to meet your needs, now and in the future.

KVT adopts a flexible approach and offers solutions ranging from a core engine to a complete genset on alternative fuel. With our converted KVT/FG Wilson gas sets and the gas range from FG Wilson we offer a full range between 9 kWe to 1000 kWe which meet all the fundamental requirements for your gas-fuelled applications in this range. The fact that the gas engines are designed on the basis of Perkins diesel engines, key engine knowledge is already with each FG Wilson distributor, available and accessible. There for the gas sets can be serviced worldwide to meet the high expectations from our customers.

CUSTOMER BENEFITS

- High power and maximum efficiency
- Low exhaust emissions due to state of the art technologies
- Quiet combustion process reducing operating noise
- Reliable power from proven diesel genset technology
- Global dealer network for service
- Compact design requiring minimal space



RELIABLE, QUIET AND CLEAN POWER

KVT Gas delivers customers reliable power from proven diesel engine technology making the installation versatile, quiet and clean.

RELIABLE POWER

The gas gensets up to 100kWe are based on the FG Wilson diesel gensets and therefore compact and reliable, well meeting the current power demands. KVT uses specially designed components to make the engine much more robust structurally than any other conventional spark ignition engine. The combustion chamber components are designed to withstand high cylinder temperatures and peak pressures. This lowers the stress levels

resulting in longer service life, higher reliability and lower maintenance costs. The larger gas range is manufactured by FG Wilson and meet the same high quality levels as the smaller range.

GENSET TYPE MANUFACTURER	NORMAL RATING COP		LENGTH mm	WIDTH mm	HEIGHT mm	
	kWe	kVA				
PG13.5	KVT	10	12.5	1704	876	1264
PG22	KVT	16	21	1704	876	1264
PG33	KVT	25	31	1864	887	1349
PG45	KVT	35	44	2291	1126	1426
PG70	KVT	50	65	3515	1126	1681
PG100	KVT	76	95	3515	1126	1681
PG150	KVT	100	125	3515	1126	1681
SG150		150	188	2800	1100	2060
SG240	FG Wilson	192	240	3519	1575	1994
PG 345B3	FG Wilson	276	345	4160	1652	2304
PG 375B3	FG Wilson	300	375	4160	1652	2304
PG450B1	FG Wilson	360	450	4160	1652	2304
PG525B1	FG Wilson	420	525	5150	1652	2646
PG620B1	FG Wilson	496	620	5150	1652	2646
PG750B	FG Wilson	600	750	5585	2198	2601
PG1080B2	FG Wilson	864	1080	6340	2100	3370
PG1250B2	FG Wilson	1000	1250	6340	2100	3370

QUIET AND CLEAN

With the increasing sensitivity to environmental issues, especially in the field, the gas generators provides the low exhaust emissions expected of a gas-fuelled unit and also benefits from the inherent quiet combustion process which reduces operating noise.