



■ Superior Engine Generation
Drive a Better World



Ettes Power MWM Gas Engine Generators & CHPs

(Power-ranging from 400kW upto 4500kW)

Ettes Power is the leading manufacturer and supplier for diesel & gas generators from 20kW upto 4500kW. We use world top engines (Cummins, Perkins, MAN, CAT-MWM, CNPC 190 and Low speed 300 Series etc.) to **ASSEMBLE** complete-generator-set. Ettes Power gensets enjoy hot markets in more than 70 countries all over the world including Latin America, Africa, Middle East, Europe and Asia markets etc.

Ettes Power CAT-MWM gas Genset are driven by engines originally made in Germany, including TCG2016 (CG132), TCG2020 (CG170) and TCG2032 (CG-260) at V8, V12, V16 and V20.

MWM is one of the world top engine brands from Germany. The gas engines can be fueled by various types of gas, such as natural gas, APG (oilfield associated petroleum gas), shale gas, coal mine gas, biogas, landfill gas and sewage gas etc. They are designed for maximum electrical and thermal efficiency, low operating and service costs, high reliability and low emissions level.

MWM is the market leading brand in the field of decentralized energy supply. With its highly efficient and ecologically progressive energy solutions, MWM guarantees its customers proven, permanent added value. In the field of gas engines, gensets and CHP units, MWM supplying highly efficient and eco-friendly complete systems for distributed energy and heat generation (CHP, CCHP, Cogeneration and Distributed Energy System).



ETTES CAT-MWM Natural Gas Gensets & CHPs (50Hz Applications)										
Genset Model	COP (kW)	Engine Model	Bore*Stroke (mm)	DSPL. (L)	Rotation Speed (RPM)	Elec. Eff. (%)	Thermal Eff. (%)	Total Eff. (%)	Overall dimension (LxWxH)(mm)	Dry Weight (kg)
EMW-400N5	400	TCG2016V08C / CG132-8	132*160	17.5	1500	42.3	45.2	87.5	3090*1490*2190	5340
EMW-600N5	600	TCG2016V12C / CG132-12	132*160	26.3	1500	42.0	45.8	87.8	3690*1490*2190	7000
EMW-800N5	800	TCG2016V16C / CG132-16	132*160	35	1500	42.5	45.3	87.8	4090*1590*2190	8450
EMW-1000N5	1000	☆TCG2020V12K1/ CG170-12	170*195	53.1	1500	40.0	47.6	87.6	4660*1810*2210	11200
EMW-1125N5	1125	☆TCG2020V12K / CG170-12	170*195	53.1	1500	40.9	45.6	86.5	4790*1810*2210	11700
EMW-1200N5	1200	※TCG2020V12 / CG170-12	170*195	53.1	1500	43.6	43.3	86.9	4790*1810*2210	11700
EMW-1500N5	1500	☆TCG2020V16K / CG170-16	170*195	70.8	1500	40.9	45.7	86.6	5430*1810*2210	13300
EMW-1560N5	1560	※TCG2020V16 / CG170-16	170*195	70.8	1500	43.2	43.8	87.0	5430*1810*2210	13300
EMW-2000N5	2000	※TCG2020V20 / CG170-20	170*195	88.5	1500	43.7	43.2	86.9	6200*1710*2190	17900
EMW-3333N5	3333	TCG2032V12 / CG260-12	260*320	203.9	1000	43.9	42.6	86.5	7860*2660*3390	43100
EMW-4300N5	4300	TCG2032V16 / CG260-16	260*320	271.8	1000	44.1	42.7	86.8	9200*2690*3390	51200
EMW-4500N5	4500	TCG2032BV16 / CG260-16	260*320	271.8	1000	44.6	42.2	86.8	9200*2690*3390	51400

ETTES CAT-MWM Natural Gas Gensets & CHPs (60Hz Applications)										
Genset Model	COP (kW)	Engine Model	Bore*Stroke (mm)	DSPL. (L)	Rotation Speed (RPM)	Elec. Eff. (%)	Thermal Eff. (%)	Total Eff. (%)	Overall dimension (LxWxH)(mm)	Dry Weight (kg)
EMW-400N6	400	TCG2016V08C / CG132-8	132*160	17.5	1800	41.4	46.0	87.4	3170*1490*2190	4800
EMW-600N6	600	TCG2016V12C / CG132-12	132*160	26.3	1800	41.3	46.5	87.8	3770*1490*2190	6250
EMW-800N6	800	TCG2016V16C / CG132-16	132*160	35	1800	41.6	46.1	87.7	4130*1490*2190	6780
EMW-1125N6	1125	☆TCG2020V12K / CG170-12	170*195	53.1	1500	40.7	45.6	86.3	5970*1790*2210	13000
EMW-1200N6	1200	※TCG2020V12 / CG170-12	170*195	53.1	1500	43.4	43.2	86.6	5970*1790*2210	13000
EMW-1500N6	1500	☆TCG2020V16K / CG170-16	170*195	70.8	1500	40.6	45.7	86.3	6640*1790*2210	14900
EMW-1560N6	1560	※TCG2020V16 / CG170-16	170*195	70.8	1500	43.0	43.8	86.8	6640*1790*2210	14900
EMW-2000N6	2000	※TCG2020V20 / CG170-20	170*195	88.5	1500	43.4	43.2	86.6	7470*1710*2190	19800
EMW-3000N6	3000	TCG2032V12 / CG260-12	260*320	203.9	900	43.9	42.1	86.0	8000*2790*3390	40650
EMW-4000N6	4000	TCG2032V16 / CG260-16	260*320	271.8	900	43.8	42.4	86.2	9420*2690*3390	53300
EMW-4050N6	4050	TCG2032BV16 / CG260-16	260*320	271.8	900	44.3	41.8	86.1	9420*2690*3390	53300

ETTES CAT-MWM Biogas Gensets & CHPs (50Hz Applications)										
Genset Model	COP (kW)	Engine Model	Bore*Stroke (mm)	DSPL. (L)	Rotation Speed (RPM)	Elec. Eff. (%)	Thermal Eff. (%)	Total Eff. (%)	Overall dimension (LxWxH)(mm)	Dry Weight (kg)
EMW-400B5	400	TCG2016V08C / CG132-8	132*160	17.5	1500	42.8	42	84.8	3090*1490*2190	5340
EMW-600B5	600	TCG2016V12C / CG132-12	132*160	26.3	1500	42.7	42.2	84.9	3690*1490*2190	7000
EMW-800B5	800	TCG2016V16C / CG132-16	132*160	35	1500	42.8	42.2	85	4090*1590*2190	8450
EMW-1200B5	1200	TCG2020V12 / CG170-12	170*195	53.1	1500	43.0	42.8	85.8	4790*1810*2210	11700
EMW-1560B5	1560	TCG2020V16 / CG170-16	170*195	70.8	1500	42.6	43.1	85.7	5430*1810*2210	13300
EMW-2000B5	2000	TCG2020V20 / CG170-20	170*195	88.5	1500	42.9	43.3	86.3	6200*1710*2190	17900
EMW-3770B5	3770	TCG2032V16 / CG260-16	260*320	271.8	1000	43.0	39.8	82.8	9200*2690*3390	51200

ETTES CAT-MWM Biogas Gensets & CHPs (60Hz Applications)										
Genset Model	COP (kW)	Engine Model	Bore*Stroke (mm)	DSPL. (L)	Rotation Speed (RPM)	Elec. Eff. (%)	Thermal Eff. (%)	Total Eff. (%)	Overall dimension (LxWxH)(mm)	Dry Weight (kg)
EMW-400B6	400	TCG2016V08C / CG132-8	132*160	17.5	1800	41.6	43.1	84.7	3170*1490*2190	4800
EMW-600B6	600	TCG2016V12C / CG132-12	132*160	26.3	1800	41.4	43.6	85	3770*1490*2190	6250
EMW-800B6	800	TCG2016V16C / CG132-16	132*160	35	1800	41.7	43.2	84.9	4130*1490*2190	6780
EMW-1200B6	1200	TCG2020V12 / CG170-12	170*195	53.1	1500	42.8	42.8	85.6	5970*1790*2210	13000
EMW-1560B6	1560	TCG2020V16 / CG170-16	170*195	70.8	1500	42.3	43.1	85.4	6640*1790*2210	14900
EMW-2000B6	2000	TCG2020V20 / CG170-20	170*195	88.5	1500	42.7	43.2	85.9	7470*1710*2190	19800
EMW-3510B6	3510	TCG2032V16 / CG260-16	260*320	271.8	900	43.3	38.5	81.8	9420*2790*3390	53300

- Remarks:**
- ◆ Above listed engines are originally made in Germany, complete genset & CHP is assembled by Ettes Power.
 - ◆ Above engine marked "☆" version optimized for island operation and load compensation.
 - ◆ Above engine marked "✕" means optimized efficiency version.
 - ◆ Transport dimensions for gensets; components set up separately must be taken into consideration.
 - ◆ Natural Gas mainly include: PNG, CNG, LNG, APG, Coalmine Gas, Shale Gas etc.
 - ◆ Special Gas mainly include: Digester Biogas, Sewage Gas and Landfill Gas.
 - ◆ According to ISO 3046/1 at U=0.4 kV, cos=1.0 for 50 Hz and U=0.48 kV, cos=1.0 for 60 Hz
 - ◆ Above ratings is based on methane number of MN-70 (MN-80 for some engine models) for natural gas.
 - ◆ Above ratings is based on heat value of biogas is H_u=5.0kWh/Nm³.
 - ◆ Exhaust gas cooled to 120°C for natural gas and 150°C (TCG2032 180°C) for biogas.
 - ◆ Standard Emission Level: NO_x ≤ 500 mg/Nm³; exhaust gas dry at 5 % O₂.
 - ◆ Data for special gas and dual gas operation on request.
 - ◆ The data herein is just for purpose of reference only and not binding. The data given in the official offer is decisive.





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