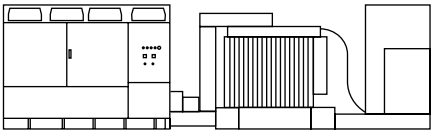
MV Skid Compact

Turn-key solution.
Fastest connection with HEMK.
Installation cost reduction.
Flexible plant distribution.



MV Skid Compact



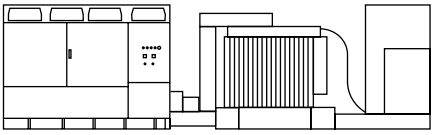
REFERENCES		MVS05030H100	MVS05030H080	MVS05030H050	MVS05030H040
RATINGS	Rated power @ 30 °C	5030 kVA			
	Operating Grid Frequency	50 Hz			
MEDIUM VOLTAGE EQUIPMENT	MV rated voltage	20 kV	22 kV	30 kV	33 kV
	LV rated voltage	660 V			
	Transformer cooling	ONAN (KNAN optional)			
	Transformer vector group	Dy11y11			
	Transformer protection	Protection relay for pressure, temperature (two levels) and gassing / dielectric level			
		PT100			
	Transformer index of protection	IP54			
	Transformer losses	IEC standard (IEC Tier-2 optional)			
	Oil retention tank (Optional)	Galvanized steel. Integrated with hydrocarbon filter.			
	Switchgear configuration [3]	Double feeder (2L)			
	Switchgear protection [3]	Circuit breaker (V)			
	Switchgear short circuit rating [1]	16 kA / 1 s (optionally: 20 kA / 1 s, 20 kA / 3 s or 25 kA / 1 s)			
	Switchgear IAC [1]	A-FLR 16 kA / 1 s (optionally 20 kA or 25 kA)			
	Rated impulse withstand voltage	125 kV		170 kV	
CONNECTIONS	MV connections	Close-coupled plug & play solution			
	MV AC wiring	MV bridge between transformer and protection switchgear prewired			
ENVIRONMENT	Ambient temperature range [2]	From -25 °C to +60 °C, >30 °C power derating			
	Maximum altitude (above sea level) [1]	Up to 1000 m (optionally up to 4000 m)			
	Relative humidity	4% to 95%			
AUXILIARY SERVICES	User Cabinet (Optional)	LV cabinet in the skid			
	UPS System (Optional) [4]	3 kVA / 3 kW			
OTHER EQUIPMENT	Safety mechanism (Optional)	Interlocking system			
	Fire suppression system (Optional)	Accessory for transformer oil retention tank			
STANDARDS	Compliance	IEC 62271-212, IEC 62271-200, IEC 60076, IEC 61439-1			

NOTES

[1] Consult with Power Electronics for other options.
[2] For lower temperatures, consult with Power Electronics.
[3] SF6 free optional available.
[4] Consult with Power Electronics for UPS autonomy.

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MV Skid Compact



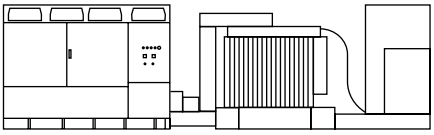
REFERENCES		MVS05030H020	MVS05030H010	MVS05240H100	MVS05240H080
RATINGS	Rated power @ 30 °C	5030 kVA		5240 kVA	
	Operating Grid Frequency	50 Hz			
MEDIUM VOLTAGE EQUIPMENT	MV rated voltage	35 kV	36 kV	20 kV	22 kV
	LV rated voltage	660 V		690 V	
	Transformer cooling	ONAN (KNAN optional)			
	Transformer vector group	Dy11y11			
	Transformer protection	Protection relay for pressure, temperature (two levels) and gassing / dielectric level			
		PT100			
	Transformer index of protection	IP54			
	Transformer losses	IEC standard (IEC Tier-2 optional)			
	Oil retention tank (Optional)	Galvanized steel. Integrated with hydrocarbon filter.			
	Switchgear configuration [3]	Double feeder (2L)			
	Switchgear protection [3]	Circuit breaker (V)			
	Switchgear short circuit rating [1]	16 kA / 1 s (optionally: 20 kA / 1 s, 20 kA / 3 s or 25 kA / 1 s)			
	Switchgear IAC [1]	A-FLR 16 kA / 1 s (optionally 20 kA or 25 kA)			
	Rated impulse withstand voltage	185 kV		125 kV	
CONNECTIONS	MV connections	Close-coupled plug & play solution			
	MV AC wiring	MV bridge between transformer and protection switchgear prewired			
ENVIRONMENT	Ambient temperature range [2]	From -25 °C to +60 °C, >30 °C power derating			
	Maximum altitude (above sea level) [1]	Up to 1000 m (optionally up to 4000 m)			
	Relative humidity	4% to 95%			
AUXILIARY SERVICES	User Cabinet (Optional)	LV cabinet in the skid			
	UPS System (Optional) [4]	3 kVA / 3 kW			
OTHER EQUIPMENT	Safety mechanism (Optional)	Interlocking system			
	Fire suppression system (Optional)	Accessory for transformer oil retention tank			
STANDARDS	Compliance	IEC 62271-212, IEC 62271-200, IEC 60076, IEC 61439-1			

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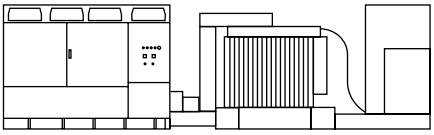
REFERENCES		MVS05240H050	MVS05240H040	MVS05240H020	MVS05240H010
RATINGS	Rated power @ 30 °C	5240 kVA			
	Operating Grid Frequency	50 Hz			
MEDIUM VOLTAGE EQUIPMENT	MV rated voltage	30 kV	33 kV	35 kV	36 kV
	LV rated voltage	690 V			
	Transformer cooling	ONAN (KNAN optional)			
	Transformer vector group	Dy11y11			
	Transformer protection	Protection relay for pressure, temperature (two levels) and gassing / dielectric level			
		PT100			
	Transformer index of protection	IP54			
	Transformer losses	IEC standard (IEC Tier-2 optional)			
	Oil retention tank (Optional)	Galvanized steel. Integrated with hydrocarbon filter.			
	Switchgear configuration [3]	Double feeder (2L)			
	Switchgear protection [3]	Circuit breaker (V)			
	Switchgear short circuit rating [1]	16 kA / 1 s (optionally: 20 kA / 1 s, 20 kA / 3 s or 25 kA / 1 s)			
	Switchgear IAC [1]	A-FLR 16 kA / 1 s (optionally 20 kA or 25 kA)			
	Rated impulse withstand voltage	170 kV		185 kV	
CONNECTIONS	MV connections	Close-coupled plug & play solution			
	MV AC wiring	MV bridge between transformer and protection switchgear prewired			
ENVIRONMENT	Ambient temperature range [2]	From -25 °C to +60 °C, >30 °C power derating			
	Maximum altitude (above sea level) [1]	Up to 1000 m (optionally up to 4000 m)			
	Relative humidity	4% to 95%			
AUXILIARY SERVICES	User Cabinet (Optional)	LV cabinet in the skid			
	UPS System (Optional) [4]	3 kVA / 3 kW			
OTHER EQUIPMENT	Safety mechanism (Optional)	Interlocking system			
	Fire suppression system (Optional)	Accessory for transformer oil retention tank			
STANDARDS	Compliance	IEC 62271-212, IEC 62271-200, IEC 60076, IEC 61439-1			

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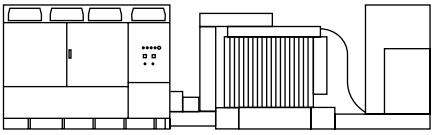
REFERENCES		MVS05260H100	MVS05260H080	MVS05260H050	MVS05260H040
RATINGS	Rated power @ 30 °C	5260 kVA			
	Operating Grid Frequency	50 Hz			
MEDIUM VOLTAGE EQUIPMENT	MV rated voltage	20 kV	22 kV	30 kV	33 kV
	LV rated voltage	690 V			
	Transformer cooling	ONAN (KNAN optional)			
	Transformer vector group	Dy11y11			
	Transformer protection	Protection relay for pressure, temperature (two levels) and gassing / dielectric level			
		PT100			
	Transformer index of protection	IP54			
	Transformer losses	IEC standard (IEC Tier-2 optional)			
	Oil retention tank (Optional)	Galvanized steel. Integrated with hydrocarbon filter.			
	Switchgear configuration [3]	Double feeder (2L)			
	Switchgear protection [3]	Circuit breaker (V)			
	Switchgear short circuit rating [1]	16 kA / 1 s (optionally: 20 kA / 1 s, 20 kA / 3 s or 25 kA / 1 s)			
	Switchgear IAC [1]	A-FLR 16 kA / 1 s (optionally 20 kA or 25 kA)			
	Rated impulse withstand voltage	125 kV		170 kV	
CONNECTIONS	MV connections	Close-coupled plug & play solution			
	MV AC wiring	MV bridge between transformer and protection switchgear prewired			
ENVIRONMENT	Ambient temperature range [2]	From -25 °C to +60 °C, >30 °C power derating			
	Maximum altitude (above sea level) [1]	Up to 1000 m (optionally up to 4000 m)			
	Relative humidity	4% to 95%			
AUXILIARY SERVICES	User Cabinet (Optional)	LV cabinet in the skid			
	UPS System (Optional) [4]	3 kVA / 3 kW			
OTHER EQUIPMENT	Safety mechanism (Optional)	Interlocking system			
	Fire suppression system (Optional)	Accessory for transformer oil retention tank			
STANDARDS	Compliance	IEC 62271-212, IEC 62271-200, IEC 60076, IEC 61439-1			

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MV Skid Compact



REFERENCES		MVS05260H020	MVS05260H010
RATINGS	Rated power @ 30 °C	5260 kVA	
	Operating Grid Frequency	50 Hz	
MEDIUM VOLTAGE EQUIPMENT	MV rated voltage	35 kV	36 kV
	LV rated voltage	690 V	
	Transformer cooling	ONAN (KNAN optional)	
	Transformer vector group	Dy11y11	
	Transformer protection	Protection relay for pressure, temperature (two levels) and gassing / dielectric level	
		PT100	
	Transformer index of protection	IP54	
	Transformer losses	IEC standard (IEC Tier-2 optional)	
	Oil retention tank (Optional)	Galvanized steel. Integrated with hydrocarbon filter.	
	Switchgear configuration [3]	Double feeder (2L)	
	Switchgear protection [3]	Circuit breaker (V)	
	Switchgear short circuit rating [1]	16 kA / 1 s (optionally: 20 kA / 1 s, 20 kA / 3 s or 25 kA / 1 s)	
	Switchgear IAC [1]	A-FLR 16 kA / 1 s (optionally 20 kA or 25 kA)	
	Rated impulse withstand voltage	185 kV	
CONNECTIONS	MV connections	Close-coupled plug & play solution	
	MV AC wiring	MV bridge between transformer and protection switchgear prewired	
ENVIRONMENT	Ambient temperature range [2]	From -25 °C to +60 °C, >30 °C power derating	
	Maximum altitude (above sea level) [1]	Up to 1000 m (optionally up to 4000 m)	
	Relative humidity	4% to 95%	
AUXILIARY SERVICES	User Cabinet (Optional)	LV cabinet in the skid	
	UPS System (Optional) [4]	3 kVA / 3 kW	
OTHER EQUIPMENT	Safety mechanism (Optional)	Interlocking system	
	Fire suppression system (Optional)	Accessory for transformer oil retention tank	
STANDARDS	Compliance	IEC 62271-212, IEC 62271-200, IEC 60076, IEC 61439-1	

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