

Rating definition - High-speed Generator (diesel) engines

Rating		Overload operation	Definition	Required condition for warranty (*1)		
				Load/operating hour (*2)		
				Average load factor / 24Hr	Average load factor/year	Operating Hr / year
Prime	Limited running time	+10% (E)	Regular power source of which the operating hour is limited to short periods as specified in the required conditions for warranty of this document. This rating shall be used where overload operation with Stand-by is needed. LTP as specified in ISO 8528:2018	100% or lower Overload ($\leq 110\%$) is acceptable for 25hr per year (for emergency only)	As per ISO 8528:2018 100% or lower	As per ISO 8528:2018 500hr or lower
	Unlimited running time		For genset with variable load and unlimited operating hour. PRP (Prime Power) as defined in ISO 8528:2018	80% or lower °Overload ($\leq 110\%$) is acceptable for 25 hr per year (for emergency only) °Over 90% load operation is acceptable for 3hr per 24 hr	60% or lower	Unlimited

(*1) This condition constitutes a part of required conditions for warranty. Atmospheric conditions as per ISO 15550:2002 (JIS B 8003:2005) (Barometric pressure: 100kPa, ambient temperature: 298K, Relative humidity: 30%).

(*2) Average load factor shall be calculated as per the formula in ISO 8528:2018 'Average power output (Ppp)'.

(*3) Refer to Operation and Maintenance Manual for more information regarding inspection and maintenance including items and descriptions.

★ This document is based on condition of "T0102-0002E" (for SB-SA- & SR models).