

Rating definition chart | Industrial diesel engines - Constant speed

Rating definitions for the SU engine series are as per the table below:

Rating	Description	Overload operation	Typical load pattern			Use
			Peak demand	Average load rate	operating hrs per year	
Standby	The power rating is for back up and emergency power applications. This rating is for continuous applications during the period of power outage from prime source.	N/A	Less than 80% of standby rated kW 100% is available at an emergency	Less than 60%	Less than 500hrs	Standby generator set
Prime	The power rating is for continuous duty electrical power generation with normal load cycling.	10%	100% of prime rated kW is available intermittently less than 3 hours in every 12 hours	Less than 60%	3000 ~ 4000 hrs	Continuous running generator set
Continuous C	The power rating which can be applied without interruption and/or load cycling.	N/A	100% of continuous rated kW is available	80 ~ 90%	Unlimited	Continuous running generator set
Base load D	Same as continuous. But usually used as a base load parallel running with other commercial electrical resources.	N/A	100% of base load rated kW is available	90 ~ 100%	Unlimited	Continuous running generator set (for base load)

Note: Atmospheric condition as per ISO 15550:2002(JIS B 8003:2005) (Barometric pressure: 100kPa, ambient temperature: 298K, relative humidity: 30%).
Calculations and conditions are consistent with the requirements of ISO 8528:2018