
TECHNICAL INFORMATION BULLETIN

Generator Set Application and Rating Guidelines

Generator set ratings guidelines are designed to help size the generator set to meet the load requirements of an application. The four types of generator set ratings are standby, prime, limited running time, and continuous.

Consider building expansion and future load additions when determining generator set loads. The average power required of a generator set is a calculated value, as shown later in this bulletin.

The ratings shown in this document are common throughout the industry. Government agencies, military

agencies, and other sources may publish their own definitions and ratings guidelines. Before applying other ratings to generator sets, contact the factory for approval.

Generator set ratings are similar among generator set manufacturers due to the industry standards as listed in each ratings section of this bulletin. However, due to differences in manufacturing standards, each engine manufacturer may have different engine tolerances that affect engine ratings and, in turn, generator set ratings. See the rating standards for definitions and refer to Engine Specification Data for [Rating Tolerances](#).

Application Definitions

With the introduction of the new emission standards by the U.S. Environmental Protection Agency (EPA) for stationary and nonroad engines, the application of equipment with these types of engines must be considered when choosing a rating for generator sets installed in the United States.

Stationary “emergency” applications are those where the generator set is the secondary power source when the utility (primary power source) fails where annual maintenance and readiness testing is limited to 100 hours (EPA can be petitioned for additional hours if local requirements are higher). In the majority of cases, these applications will have a standby rating unless the site requires a rating with 10% overload capability (prime).

Stationary “non-emergency” applications are those where the generator set is either the primary power source or a secondary power source connected to an unreliable utility. Additionally, use for peak shaving, interruptible rate, or any financial arrangement with the utility qualifies it as a non-emergency application. Non-emergency applications may use prime, limited running time, or continuous ratings.

Nonroad applications are those where the generator set is in more than one location within a 12-month period. Typical applications are towable/rental or containerized generator sets. Nonroad applications may use prime, limited running time, or continuous ratings.

Standby Rating (ISO 8528-1 ESP)

The standby rating is applicable to variable loads with an average load factor of x% of the standby rating, with 100% of rating available for the duration of the outage. Refer to Engine Specification Data for the Standby Rating Load Factor for each generator set model. Typical standby operating time is 200 hours per year or less, with certain models being capable of up to 500 hours.

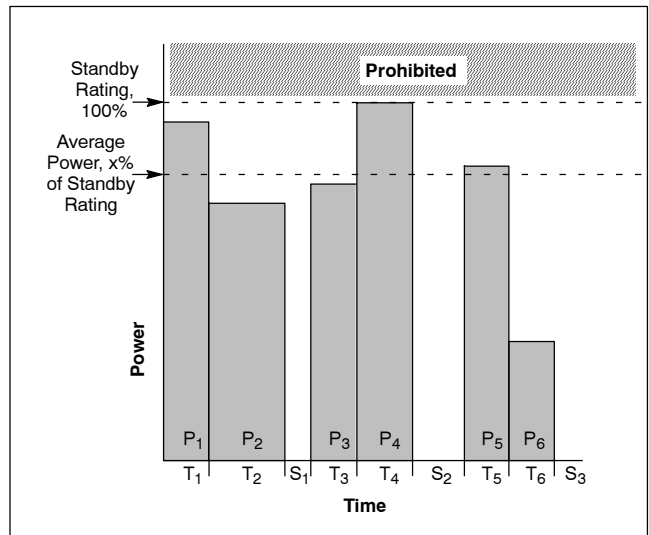
There is no overload capability for the standby rating; use of the generator set above the standby rating is prohibited. Ratings are in accordance with ISO 8528-1 and ISO 3046-1.

Use the following formulas to determine the standby rating:

$$\text{Average Power} = \frac{(P_1 \times T_1) + (P_2 \times T_2) + (P_3 \times T_3) + (P_4 \times T_4) + (P_5 \times T_5) + \dots (P_n \times T_n)}{T_1 + T_2 + T_3 + T_4 + T_5 + T_6 + \dots T_n}$$

$$\text{Standby Rating} = \frac{\text{Average Power}}{\text{x\% Load Factor}}$$

P = Power in kW
T = Time in hours
S = Shutdown or nonrunning times (not used in calculations)



Prime Rating (ISO 8528-1 PRP)

The prime power rating is applicable for variable loads with an unlimited number of operating hours per year.

A 10% overload power is permitted for a period of one hour in every 12 hours. Refer to the respective generator set spec sheet for specific ratings.

The average power output shall not exceed x% of the prime power rating. Loads of less than 30% shall be counted as 30%. See Engine Specification Data for the Prime Rating Load Factor for each generator set model.

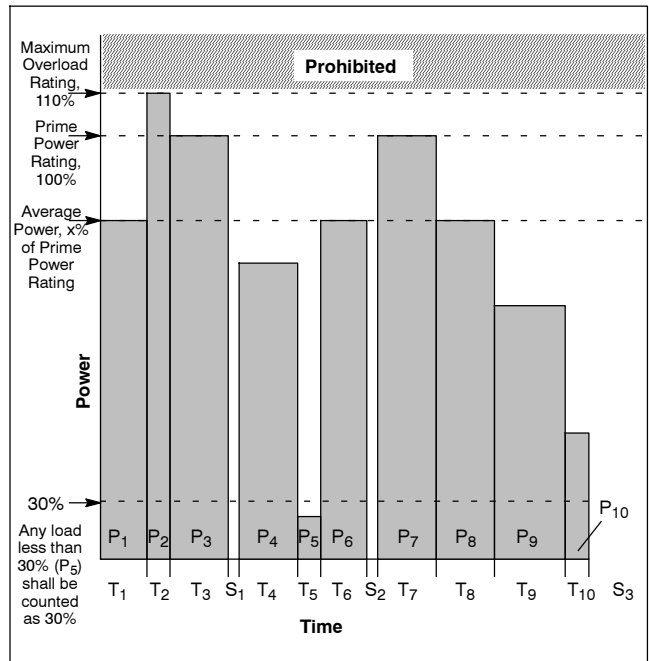
Ratings are in accordance with ISO 8528-1 and overload power is in accordance with ISO 3046-1.

Use the following formula to determine the prime power rating:

$$\text{Average Power} = \frac{(P_1 \times T_1) + (P_2 \times T_2) + (P_3 \times T_3) + (P_4 \times T_4) + (P_5 \times T_5) + \dots (P_n \times T_n)}{T_1 + T_2 + T_3 + T_4 + T_5 + T_6 + \dots T_n}$$

$$\text{Prime Power Rating} = \frac{\text{Average Power}}{\text{x\% Load Factor}}$$

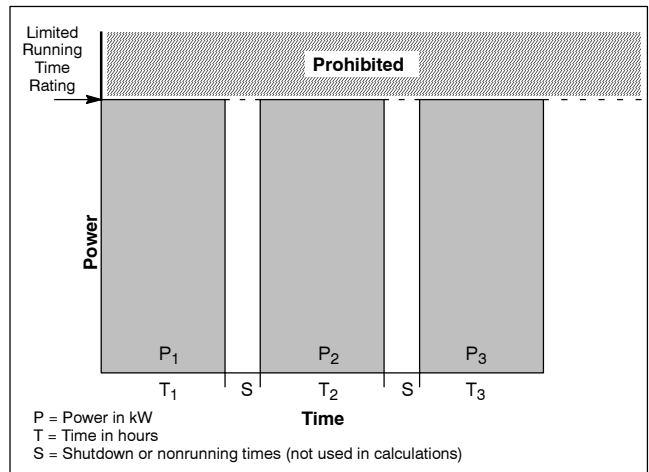
P = Power in kW
T = Time in hours
S = Shutdown or nonrunning times (not used in calculations)



Limited Running Time Rating (ISO 8528-1 LTP)

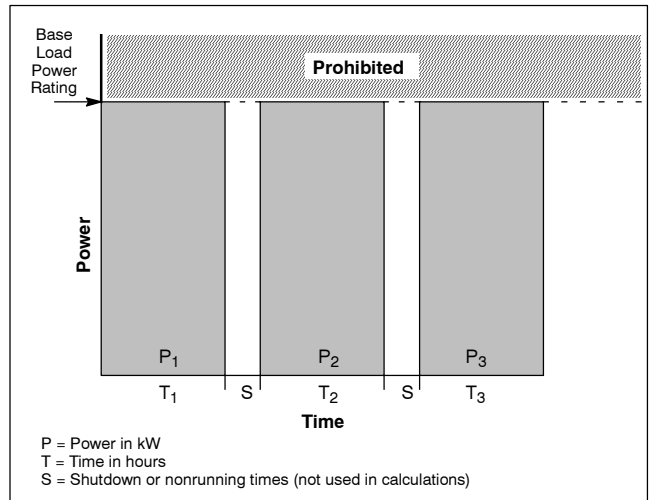
The limited running time rating applies to generator sets operating under nonvarying load factors and/or constant dedicated loads for a limited number of hours. Power is continuously supplied to a constant or nonvarying load up to 100% of the limited running time rating for up to 500 hours a year.

No overload capability is available at this rating; therefore, use above the limited running time rating is prohibited. For operation exceeding 500 hours per year at constant load, use the continuous rating. Ratings are in accordance with ISO 8528-1.



Continuous Rating (ISO 8528-1 COP)

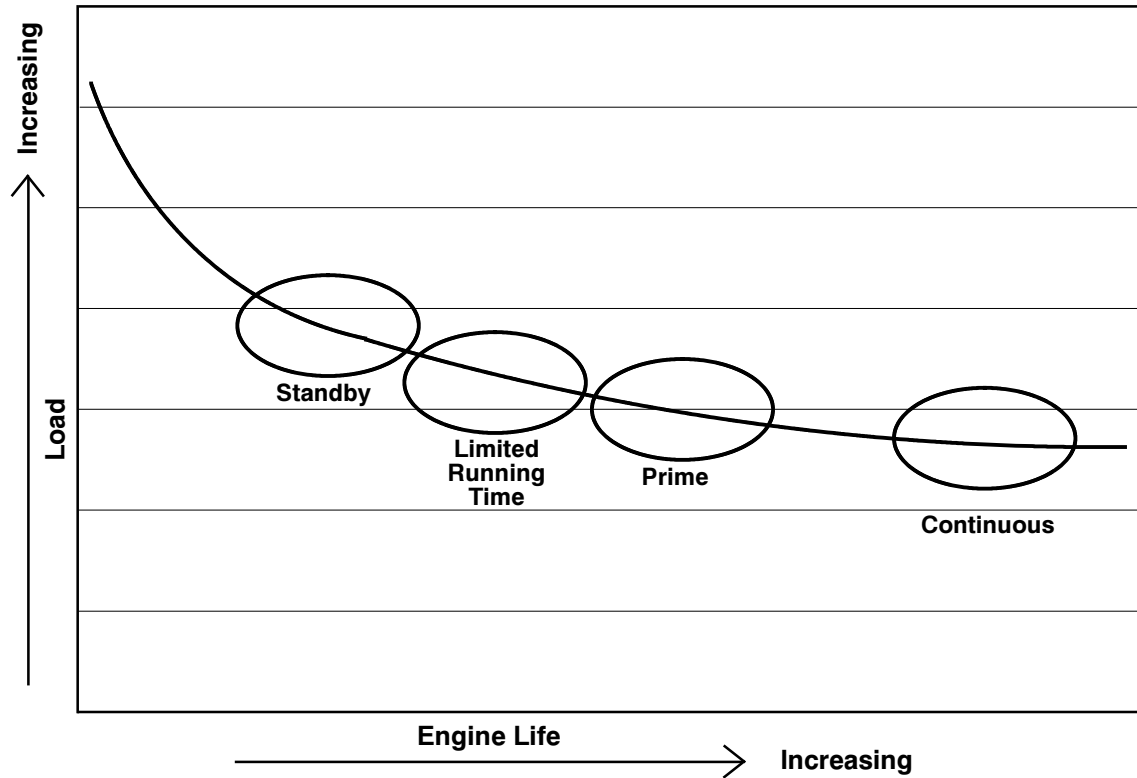
The continuous power rating is defined as the maximum power the generator set is capable of supplying with a constant or nonvarying load for an unlimited number of hours. No overload capability is available at this rating; therefore, use above the continuous rating is prohibited. Ratings are in accordance with ISO 8528-1 and ISO 3046-1.



Typical Engine MTBO Curve

The life expectancy—mean time between overhauls (MTBO)—and performance of generator sets are contingent upon application of these guidelines. Generator set life depends upon engine load factors, fuel and lube oil quality, ambient conditions, operating load, installation quality, and the maintenance program.

The chart below shows a typical engine MTBO curve. Generator set performance and overhaul intervals vary with operating load. As engine operating load decreases, the time between overhauls increases. To a point, reducing the load on an engine increases the time between overhauls. Follow the ratings guidelines to maximize MTBO for generator set engines.



Engine life will vary with the following:

- Engine Load Factors
- Quality of Fuel and Lube Oil
- Ambient Conditions
- Quality of Installation
- Quality of Maintenance Program

Engine Specification Data

The following table lists engine rating tolerances and the standby and prime rating load factor percentages by generator set model and the industry standards on which the engine ratings are based.

Generator Set Model	Ratings Tolerance	Standby Rating Load Factor	Prime Rating Load Factor
General Motors-Powered Models 30-125RZG and 25/30/50RZGB	±5%	82%	65%
15/30RESA and 15/30REYG 25-150REZG and 40-125ERES 50-150REZGB and 50-125ERESB 80/100REZGD and 80/100ERESD 80/100/150RZGB and 80/100RZGD Engine ratings are based on ISO 3046.	±5%	82%	Not Applicable
Doosan-Powered Models 180-400REZX/RZX and 180-400REZXB/RZXB Engine ratings are based on ISO 3046.	±5%	82%	65%
Yanmar-Powered Models 10-20REODB and 10-20REOZDB Engine ratings are based on ISO 3046.	±5%	90%	90%
John Deere-Powered Models 20-230REOZJB 20-200REOZJC and 250REOZJC (50 Hz) 60-275REOZT (Towable) 50-275REOZJD and 80-275REOZJE 80-200REOZJF 125REOZJG 300-500REOZJ Engine ratings are based on SAE J1995 and ISO 3046.	±5%	70%	70%
Volvo-Powered Models 275/300REOZV, 350/400REOZVC, and 450/500REOZVB 500REOZT (Towable) 550/600REOZV Engine ratings are based on ISO 3046.	±2%	70%	70%
Series 60 DDC-Powered Models 230-450REOZDD 230-300REOZDB and 450REOZDB 350/400REOZDC Engine ratings are based on SAE J1995 and ISO 3046.	±5%	85%	75%
Series 2000/4000 DD/MTU-Powered Models 700-1000REOZDD 1250-2250REOZDC 2500/2800REOZDB 3000/3250REOZD Engine ratings are based on SAE J1995 and ISO 3046.	±5%	85%	75%
Mitsubishi-Powered Models 20/40REOZT (Towable)	±5%	60%	50%
600-2000REOZM and 600-2000REOZMB Engine ratings are based on ISO 3046.	±5%	60%	60%
KM/KD/KH/KV Models KM5.5-KM44 and KM11U-KM40U (Mitsubishi-Powered Models) *	±5%	60%	50%
KD24-KD440 and KD30U-KD400U (John Deere-Powered Models)	±5%	70%	70%
KH330-KH700 and KH300U-KH600U (Doosan-Powered Models)	±5%	70%	70%
KV220-KV630 and KV300U-KV550U (Volvo-Powered Models) Engine ratings are based on ISO 3046	±2%	70%	70%
* KM models: 2000 hours per year max. prime operation, 100 hours per year standby			
All Mobile and Marine Models† All Gasoline- and Diesel-Powered Models Engine ratings are based on ISO 3046 and ISO 8528-1. † Marine continuous rating applies to: <ul style="list-style-type: none"> • Sole power supply with varying load. • Load factor less than 75%. • Pleasure craft with less than 400 hours per year. • Commercial craft with less than 2000 hours per year. • No overload capability. 	±5%	Not Applicable	Not Applicable

Generator Set Temperature and Altitude Derates

The following pages provide generator set derates for temperature and altitude. These tables are used in conjunction with the generator set spec sheet data.

To determine the temperature and altitude derate use the following procedure.

1. Select a kW/kVA rating for a given generator set using the respective spec sheet. The user will need to choose the following information from the available generator set spec sheet.

- Generator set model
- Standby or prime rating with a temperature rise selection if multiple ratings are shown.
- Alternator model if multiple models are listed.
- Voltage/phase/frequency
- kW/kVA rating

Example:

- 20 kW
- Standby rating
- 4P4 alternator
- 120/208 voltage, 3 phase, 60 Hz
- 26/33 kW/kVA rating

2. Select an application ambient temperature and altitude using the respective derate table. If the user selected value is not shown, use the next higher temperature or altitude.

Example A:

- 25°C (77°F) temperature
- 2000 m (6562 ft.) altitude.
Use the 2100 m (6890 ft.) column
- The derate factor is 1.000

Example B:

- 50°C (122°F) temperature
- 2700 m (8858 ft.) altitude.
- The derate factor is 0.980

3. Multiply the kW/kVA rating by the table derate factor. This is the corrected 20 kW example generator set rating based on temperature and altitude.

Example A:

- 26 kW x 1.000 = **26 kW**
- 33 kVA x 1.000 = **33 kVA**

Example B:

- 26 kW x 0.980 = **25.5 kW**
- 33 kVA x 0.980 = **32.3 kVA**

Model: 20 kW (Example)

Altitude: Derate 0.5% per 100 m (328 ft.) elevation above 2500 m (8200 ft.).

Temperature: Derate 1.0% per 10°C (18°F) temperature above 40°C (104°F).

		Altitude										
		m	300	600	900	1200	1500	1800	2100	2400	2700	3000
		ft	984	1969	2953	3937	4921	5906	6890	7874	8858	9843
		C	F									
Intake Air Temperature	0	32	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.990	0.975
	5	41	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.990	0.975
	10	50	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.990	0.975
	15	59	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.990	0.975
	20	68	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.990	0.975
	25	77	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.990	0.975
	30	86	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.990	0.975
	35	95	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.990	0.975
	40	104	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.990	0.975
	45	113	0.995	0.995	0.995	0.995	0.995	0.995	0.995	0.995	0.985	0.970
	50	122	0.990	0.990	0.990	0.990	0.990	0.990	0.990	0.990	0.980	0.965
55	131	0.985	0.985	0.985	0.985	0.985	0.985	0.985	0.985	0.975	0.960	

Generator Set Derate Tables

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400REZXB		
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50REOZJB	16
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60REOZJC	17
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100REOZJF	
125REOZJB	15
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1000REOZDD 60 Hz	30
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1750REOZDC 60 Hz	33
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ERES/ERESB/ERESD/REZG/REZGB/REZGD GM-Powered Models

Model: 25/30/50REZG, 50ERES, 50ERESB, and 50REZGB

Altitude: Derate 1.3% per 100 m (328 ft.) elevation above 200 m (656 ft.).

Temperature: Derate 3.0% per 10°C (18°F) temperature above 40°C (104°F).

Fuel: For dual fuel engines, use the natural gas ratings for both the primary and secondary fuels.

Enclosure: For units having enclosures with enclosed silencers, add 5°C (9°F) to the ambient temperature.

	Altitude											
	m	300	600	900	1200	1500	1800	2100	2400	2700	3000	
	ft	984	1969	2953	3937	4921	5906	6890	7874	8858	9843	
C	F											
Intake Air Temperature	0	32	0.987	0.948	0.909	0.870	0.831	0.792	0.753	0.714	0.675	0.636
	5	41	0.987	0.948	0.909	0.870	0.831	0.792	0.753	0.714	0.675	0.636
	10	50	0.987	0.948	0.909	0.870	0.831	0.792	0.753	0.714	0.675	0.636
	15	59	0.987	0.948	0.909	0.870	0.831	0.792	0.753	0.714	0.675	0.636
	20	68	0.987	0.948	0.909	0.870	0.831	0.792	0.753	0.714	0.675	0.636
	25	77	0.987	0.948	0.909	0.870	0.831	0.792	0.753	0.714	0.675	0.636
	30	86	0.987	0.948	0.909	0.870	0.831	0.792	0.753	0.714	0.675	0.636
	35	95	0.987	0.948	0.909	0.870	0.831	0.792	0.753	0.714	0.675	0.636
	40	104	0.987	0.948	0.909	0.870	0.831	0.792	0.753	0.714	0.675	0.636
	45	113	0.972	0.934	0.895	0.857	0.819	0.780	0.742	0.703	0.665	0.626
	50	122	0.957	0.920	0.882	0.844	0.806	0.768	0.730	0.693	0.655	0.617
	55	131	0.943	0.905	0.868	0.831	0.794	0.756	0.719	0.682	0.645	0.607

Model: 40/45/60ERES, 40/45/60REZG, 60ERESB, and 60REZGB

Altitude: Derate 1.3% per 100 m (328 ft.) elevation above 200 m (656 ft.).

Temperature: Derate 3.0% per 10°C (18°F) temperature above 25°C (77°F).

Fuel: For dual fuel engines, use the natural gas ratings for both the primary and secondary fuels.

Enclosure: For units having enclosures with enclosed silencers, add 5°C (9°F) to the ambient temperature.

	Altitude											
	m	300	600	900	1200	1500	1800	2100	2400	2700	3000	
	ft	984	1969	2953	3937	4921	5906	6890	7874	8858	9843	
C	F											
Intake Air Temperature	0	32	0.987	0.948	0.909	0.870	0.831	0.792	0.753	0.714	0.675	0.636
	5	41	0.987	0.948	0.909	0.870	0.831	0.792	0.753	0.714	0.675	0.636
	10	50	0.987	0.948	0.909	0.870	0.831	0.792	0.753	0.714	0.675	0.636
	15	59	0.987	0.948	0.909	0.870	0.831	0.792	0.753	0.714	0.675	0.636
	20	68	0.987	0.948	0.909	0.870	0.831	0.792	0.753	0.714	0.675	0.636
	25	77	0.987	0.948	0.909	0.870	0.831	0.792	0.753	0.714	0.675	0.636
	30	86	0.972	0.934	0.895	0.857	0.819	0.780	0.742	0.703	0.665	0.626
	35	95	0.957	0.920	0.882	0.844	0.806	0.768	0.730	0.693	0.655	0.617
	40	104	0.943	0.905	0.868	0.831	0.794	0.756	0.719	0.682	0.645	0.607
	45	113	0.928	0.891	0.854	0.818	0.781	0.744	0.708	0.671	0.635	0.598
	50	122	0.913	0.877	0.841	0.805	0.769	0.733	0.697	0.660	0.624	0.588
	55	131	0.898	0.863	0.827	0.792	0.756	0.721	0.685	0.650	0.614	0.579

Model: 80/100ERES, 80ERESB, 80/100ERESD, 80/100REZG, 80/100REZGB, 80/100REZGD, 80/100RZGB, and 80/100RZGD

Altitude: Derate 1.3% per 100 m (328 ft.) elevation above 200 m (656 ft.).

Temperature: Derate 6.0% per 10°C (18°F) temperature above 25°C (77°F).

Fuel (80/100ERES, 80/100REZG): For dual fuel engines, use the natural gas ratings for both the primary and secondary fuels.

Fuel (100ERESD, 100REZGB/RZGB, 100REZGD/RZGD): For dual fuel engines, use the LP gas ratings for both the primary and secondary fuels.

Enclosure (80/100ERES, 80/100REZG): For units having enclosures with enclosed silencers, add 5°C (9°F) to the ambient temperature.

Enclosure (80/100ERESB/ERESD, 80/100REZGB/RZGB, 80/100REZGD/RZGD): For units having enclosures with enclosed silencers, add 10°C (18°F) to the ambient temperature.

		Altitude										
		m	300	600	900	1200	1500	1800	2100	2400	2700	3000
		ft	984	1969	2953	3937	4921	5906	6890	7874	8858	9843
C		F										
Intake Air Temperature	0	32	0.987	0.948	0.909	0.870	0.831	0.792	0.753	0.714	0.675	0.636
	5	41	0.987	0.948	0.909	0.870	0.831	0.792	0.753	0.714	0.675	0.636
	10	50	0.987	0.948	0.909	0.870	0.831	0.792	0.753	0.714	0.675	0.636
	15	59	0.987	0.948	0.909	0.870	0.831	0.792	0.753	0.714	0.675	0.636
	20	68	0.987	0.948	0.909	0.870	0.831	0.792	0.753	0.714	0.675	0.636
	25	77	0.987	0.948	0.909	0.870	0.831	0.792	0.753	0.714	0.675	0.636
	30	86	0.957	0.920	0.882	0.844	0.806	0.768	0.730	0.693	0.655	0.617
	35	95	0.928	0.891	0.854	0.818	0.781	0.744	0.708	0.671	0.635	0.598
	40	104	0.898	0.863	0.827	0.792	0.756	0.721	0.685	0.650	0.614	0.579
	45	113	0.869	0.834	0.800	0.766	0.731	0.697	0.663	0.628	0.594	0.560
	50	122	0.839	0.806	0.773	0.740	0.706	0.673	0.640	0.607	0.574	0.541
55	131	0.809	0.777	0.745	0.713	0.681	0.649	0.617	0.585	0.554	0.522	

Model: 125ERES/ERESB, 125/150REZG, and 125/150REZGB

Altitude: Derate 1.3% per 100 m (328 ft.) elevation above 200 m (656 ft.) up to a maximum elevation of 3000 m (9842 ft.).

Temperature: Derate 2.0% per 10°C (18°F) temperature above 25°C (77°F) up to maximum temperature of 50°C (122°F).

Fuel (125ERES/ERESB, 125REZG, 125REZGB): For dual fuel engines, use the LP gas ratings for both the primary and secondary fuels.

Enclosure: For units having enclosures with enclosed silencers, add 5°C (9°F) to the ambient temperature.

		Altitude										
		m	300	600	900	1200	1500	1800	2100	2400	2700	3000
		ft	984	1969	2953	3937	4921	5906	6890	7874	8858	9843
C		F										
Intake Air Temperature	0	32	0.987	0.948	0.909	0.870	0.831	0.792	0.753	0.714	0.675	0.636
	5	41	0.987	0.948	0.909	0.870	0.831	0.792	0.753	0.714	0.675	0.636
	10	50	0.987	0.948	0.909	0.870	0.831	0.792	0.753	0.714	0.675	0.636
	15	59	0.987	0.948	0.909	0.870	0.831	0.792	0.753	0.714	0.675	0.636
	20	68	0.987	0.948	0.909	0.870	0.831	0.792	0.753	0.714	0.675	0.636
	25	77	0.987	0.948	0.909	0.870	0.831	0.792	0.753	0.714	0.675	0.636
	30	86	0.977	0.939	0.900	0.861	0.823	0.784	0.745	0.707	0.668	0.630
	35	95	0.967	0.929	0.891	0.853	0.814	0.776	0.738	0.700	0.662	0.623
	40	104	0.957	0.920	0.882	0.844	0.806	0.768	0.730	0.693	0.655	0.617
	45	113	0.948	0.910	0.873	0.835	0.798	0.760	0.723	0.685	0.648	0.611
	50	122	0.938	0.901	0.864	0.827	0.789	0.752	0.715	0.678	0.641	0.604
55	131	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

REZX/REZXB/RZX/RZXB Doosan-Powered Models

Model: 180-400REZX, 180-400REZXB, 180-400RZX, and 180-400RZXB

Altitude: Derate 1.0% per 100 m (328 ft.) elevation above 366 m (1200 ft.).

Temperature: Derate 1.8% per 10°C (18°F) temperature above 25°C (77°F).

Enclosure: For units having enclosures, add 5°C (9°F) to the ambient temperature.

		Altitude										
		m	300	600	900	1200	1500	1800	2100	2400	2700	3000
		ft	984	1969	2953	3937	4921	5906	6890	7874	8858	9843
		C	F									
Intake Air Temperature	0	32	1.000	0.977	0.947	0.918	0.888	0.859	0.829	0.800	0.770	0.741
	5	41	1.000	0.977	0.947	0.918	0.888	0.859	0.829	0.800	0.770	0.741
	10	50	1.000	0.977	0.947	0.918	0.888	0.859	0.829	0.800	0.770	0.741
	15	59	1.000	0.977	0.947	0.918	0.888	0.859	0.829	0.800	0.770	0.741
	20	68	1.000	0.977	0.947	0.918	0.888	0.859	0.829	0.800	0.770	0.741
	25	77	1.000	0.977	0.947	0.918	0.888	0.859	0.829	0.800	0.770	0.741
	30	86	0.991	0.968	0.939	0.910	0.880	0.851	0.822	0.793	0.763	0.734
	35	95	0.982	0.959	0.930	0.901	0.872	0.843	0.814	0.785	0.756	0.727
	40	104	0.973	0.950	0.922	0.893	0.864	0.836	0.807	0.778	0.749	0.721
	45	113	0.964	0.941	0.913	0.885	0.856	0.828	0.799	0.771	0.742	0.714
	50	122	0.955	0.933	0.904	0.876	0.848	0.820	0.792	0.764	0.735	0.707
	55	131	0.945	0.924	0.896	0.868	0.840	0.812	0.784	0.756	0.728	0.701

REODB/REOZDB Yanmar-Powered Models

Model: 10REODB/REOZDB

Altitude: Derate 1.0% per 100 m (328 ft.) elevation above 200 m (656 ft.).

Temperature: Derate 2.0% per 10°C (18°F) temperature above 25°C (77°F).

	Altitude											
	m	300	600	900	1200	1500	1800	2100	2400	2700	3000	
	ft	984	1969	2953	3937	4921	5906	6890	7874	8858	9843	
	C	F										
Intake Air Temperature	0	32	0.990	0.960	0.930	0.900	0.870	0.840	0.810	0.780	0.750	0.720
	5	41	0.990	0.960	0.930	0.900	0.870	0.840	0.810	0.780	0.750	0.720
	10	50	0.990	0.960	0.930	0.900	0.870	0.840	0.810	0.780	0.750	0.720
	15	59	0.990	0.960	0.930	0.900	0.870	0.840	0.810	0.780	0.750	0.720
	20	68	0.990	0.960	0.930	0.900	0.870	0.840	0.810	0.780	0.750	0.720
	25	77	0.990	0.960	0.930	0.900	0.870	0.840	0.810	0.780	0.750	0.720
	30	86	0.980	0.950	0.921	0.891	0.861	0.832	0.802	0.772	0.743	0.713
	35	95	0.970	0.941	0.911	0.882	0.853	0.823	0.794	0.764	0.735	0.706
	40	104	0.960	0.931	0.902	0.873	0.844	0.815	0.786	0.757	0.728	0.698
	45	113	0.950	0.922	0.893	0.864	0.835	0.806	0.778	0.749	0.720	0.691
	50	122	0.941	0.912	0.884	0.855	0.827	0.798	0.770	0.741	0.713	0.684
	55	131	0.931	0.902	0.874	0.846	0.818	0.790	0.761	0.733	0.705	0.677

Model: 15/20REODB/REOZDB

Altitude: Derate 0.8% per 100 m (328 ft.) elevation above 200 m (656 ft.).

Temperature: Derate 6.0% per 10°C (18°F) temperature above 25°C (77°F).

	Altitude											
	m	300	600	900	1200	1500	1800	2100	2400	2700	3000	
	ft	984	1969	2953	3937	4921	5906	6890	7874	8858	9843	
	C	F										
Intake Air Temperature	0	32	0.992	0.968	0.944	0.920	0.896	0.872	0.848	0.824	0.800	0.776
	5	41	0.992	0.968	0.944	0.920	0.896	0.872	0.848	0.824	0.800	0.776
	10	50	0.992	0.968	0.944	0.920	0.896	0.872	0.848	0.824	0.800	0.776
	15	59	0.992	0.968	0.944	0.920	0.896	0.872	0.848	0.824	0.800	0.776
	20	68	0.992	0.968	0.944	0.920	0.896	0.872	0.848	0.824	0.800	0.776
	25	77	0.992	0.968	0.944	0.920	0.896	0.872	0.848	0.824	0.800	0.776
	30	86	0.962	0.939	0.916	0.892	0.869	0.846	0.823	0.799	0.776	0.753
	35	95	0.932	0.910	0.887	0.865	0.842	0.820	0.797	0.775	0.752	0.729
	40	104	0.903	0.881	0.859	0.837	0.815	0.794	0.772	0.750	0.728	0.706
	45	113	0.873	0.852	0.831	0.810	0.788	0.767	0.746	0.725	0.704	0.683
	50	122	0.843	0.823	0.802	0.782	0.762	0.741	0.721	0.700	0.680	0.660
	55	131	0.813	0.794	0.774	0.754	0.735	0.715	0.695	0.676	0.656	0.636

REOZJ/REOZJB/REOZJC/REOZJD/REOZJE/REOZJF John Deere-Powered Models

Model: 20REOZJB

Altitude: Derate 0.5% per 100 m (328 ft.) elevation above 2500 m (8200 ft.).

Temperature: Derate 1.0% per 10°C (18°F) temperature above 40°C (104°F).

		Altitude										
		m	300	600	900	1200	1500	1800	2100	2400	2700	3000
		ft	984	1969	2953	3937	4921	5906	6890	7874	8858	9843
		C	F									
Intake Air Temperature	0	32	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.990	0.975
	5	41	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.990	0.975
	10	50	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.990	0.975
	15	59	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.990	0.975
	20	68	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.990	0.975
	25	77	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.990	0.975
	30	86	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.990	0.975
	35	95	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.990	0.975
	40	104	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.990	0.975
	45	113	0.995	0.995	0.995	0.995	0.995	0.995	0.995	0.995	0.985	0.970
	50	122	0.990	0.990	0.990	0.990	0.990	0.990	0.990	0.990	0.980	0.965
	55	131	0.985	0.985	0.985	0.985	0.985	0.985	0.985	0.985	0.975	0.960

Model: 20REOZJC

Altitude: Derate 0.5% per 100 m (328 ft.) elevation above 2500 m (8200 ft.).

Temperature: Derate 1.0% per 10°C (18°F) temperature above 25°C (77°F).

Enclosure: For units having enclosures, add 5°C (9°F) to the ambient temperature.

		Altitude										
		m	300	600	900	1200	1500	1800	2100	2400	2700	3000
		ft	984	1969	2953	3937	4921	5906	6890	7874	8858	9843
		C	F									
Intake Air Temperature	0	32	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.990	0.975
	5	41	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.990	0.975
	10	50	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.990	0.975
	15	59	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.990	0.975
	20	68	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.990	0.975
	25	77	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.990	0.975
	30	86	0.995	0.995	0.995	0.995	0.995	0.995	0.995	0.995	0.985	0.970
	35	95	0.990	0.990	0.990	0.990	0.990	0.990	0.990	0.990	0.980	0.965
	40	104	0.985	0.985	0.985	0.985	0.985	0.985	0.985	0.985	0.975	0.960
	45	113	0.980	0.980	0.980	0.980	0.980	0.980	0.980	0.980	0.970	0.956
	50	122	0.975	0.975	0.975	0.975	0.975	0.975	0.975	0.975	0.965	0.951
	55	131	0.970	0.970	0.970	0.970	0.970	0.970	0.970	0.970	0.960	0.946

Model: 30REOZJB and 200REOZJB

Altitude: Derate 1.3% per 100 m (328 ft.) elevation above 2000 m (6560 ft.).

Temperature: Derate 1.0% per 10°C (18°F) temperature above 40°C (104°F).

	Altitude											
		m	300	600	900	1200	1500	1800	2100	2400	2700	3000
		ft	984	1969	2953	3937	4921	5906	6890	7874	8858	9843
	C	F										
Intake Air Temperature	0	32	1.000	1.000	1.000	1.000	1.000	1.000	0.987	0.948	0.909	0.870
	5	41	1.000	1.000	1.000	1.000	1.000	1.000	0.987	0.948	0.909	0.870
	10	50	1.000	1.000	1.000	1.000	1.000	1.000	0.987	0.948	0.909	0.870
	15	59	1.000	1.000	1.000	1.000	1.000	1.000	0.987	0.948	0.909	0.870
	20	68	1.000	1.000	1.000	1.000	1.000	1.000	0.987	0.948	0.909	0.870
	25	77	1.000	1.000	1.000	1.000	1.000	1.000	0.987	0.948	0.909	0.870
	30	86	1.000	1.000	1.000	1.000	1.000	1.000	0.987	0.948	0.909	0.870
	35	95	1.000	1.000	1.000	1.000	1.000	1.000	0.987	0.948	0.909	0.870
	40	104	1.000	1.000	1.000	1.000	1.000	1.000	0.987	0.948	0.909	0.870
	45	113	0.995	0.995	0.995	0.995	0.995	0.995	0.982	0.943	0.904	0.866
	50	122	0.990	0.990	0.990	0.990	0.990	0.990	0.977	0.939	0.900	0.861
	55	131	0.985	0.985	0.985	0.985	0.985	0.985	0.972	0.934	0.895	0.857

Model: 30REOZJC

Altitude: Derate 0.5% per 100 m (328 ft.) elevation above 2100 m (6890 ft.).

Temperature: Derate 1.0% per 10°C (18°F) temperature above 25°C (77°F).

Enclosure: For units having enclosures, add 5°C (9°F) to the ambient temperature.

	Altitude											
		m	300	600	900	1200	1500	1800	2100	2400	2700	3000
		ft	984	1969	2953	3937	4921	5906	6890	7874	8858	9843
	C	F										
Intake Air Temperature	0	32	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.985	0.970	0.955
	5	41	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.985	0.970	0.955
	10	50	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.985	0.970	0.955
	15	59	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.985	0.970	0.955
	20	68	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.985	0.970	0.955
	25	77	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.985	0.970	0.955
	30	86	0.995	0.995	0.995	0.995	0.995	0.995	0.995	0.980	0.965	0.950
	35	95	0.990	0.990	0.990	0.990	0.990	0.990	0.990	0.975	0.960	0.945
	40	104	0.985	0.985	0.985	0.985	0.985	0.985	0.985	0.970	0.955	0.941
	45	113	0.980	0.980	0.980	0.980	0.980	0.980	0.980	0.965	0.951	0.936
	50	122	0.975	0.975	0.975	0.975	0.975	0.975	0.975	0.960	0.946	0.931
	55	131	0.970	0.970	0.970	0.970	0.970	0.970	0.970	0.955	0.941	0.926

Model: 40/60/80/125/150/230REOZJB

Altitude: Derate 1.3% per 100 m (328 ft.) elevation above 1500 m (4920 ft.).

Temperature: Derate 1.0% per 10°C (18°F) temperature above 25°C (77°F).

	Altitude											
		m	300	600	900	1200	1500	1800	2100	2400	2700	3000
		ft	984	1969	2953	3937	4921	5906	6890	7874	8858	9843
	C	F										
Intake Air Temperature	0	32	1.000	1.000	1.000	1.000	1.000	0.961	0.922	0.883	0.844	0.805
	5	41	1.000	1.000	1.000	1.000	1.000	0.961	0.922	0.883	0.844	0.805
	10	50	1.000	1.000	1.000	1.000	1.000	0.961	0.922	0.883	0.844	0.805
	15	59	1.000	1.000	1.000	1.000	1.000	0.961	0.922	0.883	0.844	0.805
	20	68	1.000	1.000	1.000	1.000	1.000	0.961	0.922	0.883	0.844	0.805
	25	77	1.000	1.000	1.000	1.000	1.000	0.961	0.922	0.883	0.844	0.805
	30	86	0.995	0.995	0.995	0.995	0.995	0.956	0.917	0.879	0.840	0.801
	35	95	0.990	0.990	0.990	0.990	0.990	0.951	0.913	0.874	0.836	0.797
	40	104	0.985	0.985	0.985	0.985	0.985	0.947	0.908	0.870	0.831	0.793
	45	113	0.980	0.980	0.980	0.980	0.980	0.942	0.904	0.865	0.827	0.789
	50	122	0.975	0.975	0.975	0.975	0.975	0.937	0.899	0.861	0.823	0.785
	55	131	0.970	0.970	0.970	0.970	0.970	0.932	0.894	0.857	0.819	0.781

Model: 40REOZJC

Altitude: Derate 0.5% per 100 m (328 ft.) elevation above 2400 m (7874 ft.).

Temperature: Derate 1.0% per 10°C (18°F) temperature above 40°C (104°F).

Enclosure: For units having enclosures, add 5°C (9°F) to the ambient temperature.

	Altitude											
		m	300	600	900	1200	1500	1800	2100	2400	2700	3000
		ft	984	1969	2953	3937	4921	5906	6890	7874	8858	9843
	C	F										
Intake Air Temperature	0	32	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.985	0.970
	5	41	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.985	0.970
	10	50	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.985	0.970
	15	59	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.985	0.970
	20	68	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.985	0.970
	25	77	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.985	0.970
	30	86	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.985	0.970
	35	95	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.985	0.970
	40	104	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.985	0.970
	45	113	0.995	0.995	0.995	0.995	0.995	0.995	0.995	0.995	0.980	0.965
	50	122	0.990	0.990	0.990	0.990	0.990	0.990	0.990	0.990	0.975	0.960
	55	131	0.985	0.985	0.985	0.985	0.985	0.985	0.985	0.985	0.970	0.955

Model: 50/100REOZJB

Altitude: Derate 0.5% per 100 m (328 ft.) elevation above 2000 m (6560 ft.).

Temperature: Derate 1.0% per 10°C (18°F) temperature above 40°C (104°F).

	Altitude											
	m	300	600	900	1200	1500	1800	2100	2400	2700	3000	
	ft	984	1969	2953	3937	4921	5906	6890	7874	8858	9843	
	C	F										
Intake Air Temperature	0	32	1.000	1.000	1.000	1.000	1.000	1.000	0.995	0.980	0.965	0.950
	5	41	1.000	1.000	1.000	1.000	1.000	1.000	0.995	0.980	0.965	0.950
	10	50	1.000	1.000	1.000	1.000	1.000	1.000	0.995	0.980	0.965	0.950
	15	59	1.000	1.000	1.000	1.000	1.000	1.000	0.995	0.980	0.965	0.950
	20	68	1.000	1.000	1.000	1.000	1.000	1.000	0.995	0.980	0.965	0.950
	25	77	1.000	1.000	1.000	1.000	1.000	1.000	0.995	0.980	0.965	0.950
	30	86	1.000	1.000	1.000	1.000	1.000	1.000	0.995	0.980	0.965	0.950
	35	95	1.000	1.000	1.000	1.000	1.000	1.000	0.995	0.980	0.965	0.950
	40	104	1.000	1.000	1.000	1.000	1.000	1.000	0.995	0.980	0.965	0.950
	45	113	0.995	0.995	0.995	0.995	0.995	0.995	0.990	0.975	0.960	0.945
	50	122	0.990	0.990	0.990	0.990	0.990	0.990	0.985	0.970	0.955	0.941
	55	131	0.985	0.985	0.985	0.985	0.985	0.985	0.980	0.965	0.951	0.936

Model: 50REOZJC and 50REOZJD

Altitude: Derate 0.5% per 100 m (328 ft.) elevation above 2300 m (7546 ft.).

Temperature: Derate 2.0% per 10°C (18°F) temperature above 25°C (77°F).

Enclosure: For units having enclosures, add 5°C (9°F) to the ambient temperature.

	Altitude											
	m	300	600	900	1200	1500	1800	2100	2400	2700	3000	
	ft	984	1969	2953	3937	4921	5906	6890	7874	8858	9843	
	C	F										
Intake Air Temperature	0	32	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.995	0.980	0.965
	5	41	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.995	0.980	0.965
	10	50	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.995	0.980	0.965
	15	59	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.995	0.980	0.965
	20	68	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.995	0.980	0.965
	25	77	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.995	0.980	0.965
	30	86	0.990	0.990	0.990	0.990	0.990	0.990	0.990	0.985	0.970	0.955
	35	95	0.980	0.980	0.980	0.980	0.980	0.980	0.980	0.975	0.960	0.946
	40	104	0.970	0.970	0.970	0.970	0.970	0.970	0.970	0.965	0.951	0.936
	45	113	0.960	0.960	0.960	0.960	0.960	0.960	0.960	0.955	0.941	0.926
	50	122	0.950	0.950	0.950	0.950	0.950	0.950	0.950	0.945	0.931	0.917
	55	131	0.940	0.940	0.940	0.940	0.940	0.940	0.940	0.935	0.921	0.907

Model: 60REOZJC and 60REOZJD

Altitude: Derate 0.5% per 100 m (328 ft.) elevation above 2300 m (7546 ft.).

Temperature: Derate 1.0% per 10°C (18°F) temperature above 25°C (77°F).

Enclosure: For units having enclosures, add 5°C (9°F) to the ambient temperature.

		Altitude											
		m	300	600	900	1200	1500	1800	2100	2400	2700	3000	
		ft	984	1969	2953	3937	4921	5906	6890	7874	8858	9843	
C		F											
Intake Air Temperature	0	32	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.995	0.980	0.965
	5	41	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.995	0.980	0.965
	10	50	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.995	0.980	0.965
	15	59	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.995	0.980	0.965
	20	68	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.995	0.980	0.965
	25	77	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.995	0.980	0.965
	30	86	0.995	0.995	0.995	0.995	0.995	0.995	0.995	0.995	0.990	0.975	0.960
	35	95	0.990	0.990	0.990	0.990	0.990	0.990	0.990	0.990	0.985	0.970	0.955
	40	104	0.985	0.985	0.985	0.985	0.985	0.985	0.985	0.985	0.980	0.965	0.951
	45	113	0.980	0.980	0.980	0.980	0.980	0.980	0.980	0.980	0.975	0.960	0.946
	50	122	0.975	0.975	0.975	0.975	0.975	0.975	0.975	0.975	0.970	0.956	0.941
	55	131	0.970	0.970	0.970	0.970	0.970	0.970	0.970	0.970	0.965	0.951	0.936

Model: 80/100REOZJD, 80/100REOZJE, and 80/100REOZJF

Altitude: Derate 1.3% per 100 m (328 ft.) elevation above 2500 m (8200 ft.).

Temperature: Derate 1.0% per 10°C (18°F) temperature above 25°C (77°F).

Enclosure: For units having enclosures, add 5°C (9°F) to the ambient temperature.

		Altitude										
		m	300	600	900	1200	1500	1800	2100	2400	2700	3000
		ft	984	1969	2953	3937	4921	5906	6890	7874	8858	9843
C		F										
Intake Air Temperature	0	32	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.974	0.935
	5	41	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.974	0.935
	10	50	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.974	0.935
	15	59	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.974	0.935
	20	68	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.974	0.935
	25	77	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.974	0.935
	30	86	0.995	0.995	0.995	0.995	0.995	0.995	0.995	0.995	0.969	0.930
	35	95	0.990	0.990	0.990	0.990	0.990	0.990	0.990	0.990	0.964	0.926
	40	104	0.985	0.985	0.985	0.985	0.985	0.985	0.985	0.985	0.959	0.921
	45	113	0.980	0.980	0.980	0.980	0.980	0.980	0.980	0.980	0.955	0.916
	50	122	0.975	0.975	0.975	0.975	0.975	0.975	0.975	0.975	0.950	0.912
	55	131	0.970	0.970	0.970	0.970	0.970	0.970	0.970	0.970	0.945	0.907

Model: 135REOZJC, 125/150REOZJD, 150REOZJE, 125/150REOZJF, and 125REOZJG

Altitude: Derate 0.5% per 100 m (328 ft.) elevation above 1600 m (5250 ft.).

Temperature: Derate 1.0% per 10°C (18°F) temperature above 25°C (77°F).

Enclosure: For units having enclosures, add 5°C (9°F) to the ambient temperature.

	Altitude											
		m	300	600	900	1200	1500	1800	2100	2400	2700	3000
		ft	984	1969	2953	3937	4921	5906	6890	7874	8858	9843
	C	F										
Intake Air Temperature	0	32	1.000	1.000	1.000	1.000	1.000	0.990	0.975	0.960	0.945	0.930
	5	41	1.000	1.000	1.000	1.000	1.000	0.990	0.975	0.960	0.945	0.930
	10	50	1.000	1.000	1.000	1.000	1.000	0.990	0.975	0.960	0.945	0.930
	15	59	1.000	1.000	1.000	1.000	1.000	0.990	0.975	0.960	0.945	0.930
	20	68	1.000	1.000	1.000	1.000	1.000	0.990	0.975	0.960	0.945	0.930
	25	77	1.000	1.000	1.000	1.000	1.000	0.990	0.975	0.960	0.945	0.930
	30	86	0.995	0.995	0.995	0.995	0.995	0.985	0.970	0.955	0.940	0.925
	35	95	0.990	0.990	0.990	0.990	0.990	0.980	0.965	0.950	0.936	0.921
	40	104	0.985	0.985	0.985	0.985	0.985	0.975	0.960	0.946	0.931	0.916
	45	113	0.980	0.980	0.980	0.980	0.980	0.970	0.956	0.941	0.926	0.911
	50	122	0.975	0.975	0.975	0.975	0.975	0.965	0.951	0.936	0.921	0.907
	55	131	0.970	0.970	0.970	0.970	0.970	0.960	0.946	0.931	0.917	0.902

Model: 180REOZJB

Altitude: Derate 0.5% per 100 m (328 ft.) elevation above 1000 m (3300 ft.).

Temperature: Derate 1.0% per 10°C (18°F) temperature above 40°C (104°F).

	Altitude											
		m	300	600	900	1200	1500	1800	2100	2400	2700	3000
		ft	984	1969	2953	3937	4921	5906	6890	7874	8858	9843
	C	F										
Intake Air Temperature	0	32	1.000	1.000	1.000	0.990	0.975	0.960	0.945	0.930	0.915	0.900
	5	41	1.000	1.000	1.000	0.990	0.975	0.960	0.945	0.930	0.915	0.900
	10	50	1.000	1.000	1.000	0.990	0.975	0.960	0.945	0.930	0.915	0.900
	15	59	1.000	1.000	1.000	0.990	0.975	0.960	0.945	0.930	0.915	0.900
	20	68	1.000	1.000	1.000	0.990	0.975	0.960	0.945	0.930	0.915	0.900
	25	77	1.000	1.000	1.000	0.990	0.975	0.960	0.945	0.930	0.915	0.900
	30	86	1.000	1.000	1.000	0.990	0.975	0.960	0.945	0.930	0.915	0.900
	35	95	1.000	1.000	1.000	0.990	0.975	0.960	0.945	0.930	0.915	0.900
	40	104	1.000	1.000	1.000	0.990	0.975	0.960	0.945	0.930	0.915	0.900
	45	113	0.995	0.995	0.995	0.985	0.970	0.955	0.940	0.925	0.910	0.896
	50	122	0.990	0.990	0.990	0.980	0.965	0.950	0.936	0.921	0.906	0.891
	55	131	0.985	0.985	0.985	0.975	0.960	0.946	0.931	0.916	0.901	0.887

Model: 250REOZJC, 180REOZJD, 180/230/250/275REOZJE, and 180REOZJF

Altitude: Derate 0.5% per 100 m (328 ft.) elevation above 1000 m (3300 ft.).

Temperature: Derate 1.0% per 10°C (18°F) temperature above 25°C (77°F).

Enclosure: For units having enclosures, add 5°C (9°F) to the ambient temperature.

		Altitude										
		m	300	600	900	1200	1500	1800	2100	2400	2700	3000
		ft	984	1969	2953	3937	4921	5906	6890	7874	8858	9843
C		F										
Intake Air Temperature	0	32	1.000	1.000	1.000	0.990	0.975	0.960	0.945	0.930	0.915	0.900
	5	41	1.000	1.000	1.000	0.990	0.975	0.960	0.945	0.930	0.915	0.900
	10	50	1.000	1.000	1.000	0.990	0.975	0.960	0.945	0.930	0.915	0.900
	15	59	1.000	1.000	1.000	0.990	0.975	0.960	0.945	0.930	0.915	0.900
	20	68	1.000	1.000	1.000	0.990	0.975	0.960	0.945	0.930	0.915	0.900
	25	77	1.000	1.000	1.000	0.990	0.975	0.960	0.945	0.930	0.915	0.900
	30	86	0.995	0.995	0.995	0.985	0.970	0.955	0.940	0.925	0.910	0.896
	35	95	0.990	0.990	0.990	0.980	0.965	0.950	0.936	0.921	0.906	0.891
	40	104	0.985	0.985	0.985	0.975	0.960	0.946	0.931	0.916	0.901	0.887
	45	113	0.980	0.980	0.980	0.970	0.956	0.941	0.926	0.911	0.897	0.882
	50	122	0.975	0.975	0.975	0.965	0.951	0.936	0.921	0.907	0.892	0.878
	55	131	0.970	0.970	0.970	0.960	0.946	0.931	0.917	0.902	0.888	0.873

Model: 200REOZJD, 200REOZJE, and 200REOZJF

Altitude: Derate 1.3% per 100 m (328 ft.) elevation above 2200 m (7218 ft.).

Temperature: Derate 1.0% per 10°C (18°F) temperature above 25°C (77°F).

Enclosure: For units having enclosures, add 5°C (9°F) to the ambient temperature.

		Altitude										
		m	300	600	900	1200	1500	1800	2100	2400	2700	3000
		ft	984	1969	2953	3937	4921	5906	6890	7874	8858	9843
C		F										
Intake Air Temperature	0	32	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.974	0.935	0.896
	5	41	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.974	0.935	0.896
	10	50	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.974	0.935	0.896
	15	59	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.974	0.935	0.896
	20	68	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.974	0.935	0.896
	25	77	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.974	0.935	0.896
	30	86	0.995	0.995	0.995	0.995	0.995	0.995	0.995	0.969	0.930	0.892
	35	95	0.990	0.990	0.990	0.990	0.990	0.990	0.990	0.964	0.926	0.887
	40	104	0.985	0.985	0.985	0.985	0.985	0.985	0.985	0.959	0.921	0.883
	45	113	0.980	0.980	0.980	0.980	0.980	0.980	0.980	0.955	0.916	0.878
	50	122	0.975	0.975	0.975	0.975	0.975	0.975	0.975	0.950	0.912	0.874
	55	131	0.970	0.970	0.970	0.970	0.970	0.970	0.970	0.945	0.907	0.869

Model: 300REOZJ

Altitude: Derate 1.3% per 100 m (328 ft.) elevation above 762 m (2500 ft.).

Temperature: Derate 1.0% per 10°C (18°F) temperature above 25°C (77°F).

Enclosure: For units having enclosures, add 5°C (9°F) to the ambient temperature.

		Altitude										
		m	300	600	900	1200	1500	1800	2100	2400	2700	3000
		ft	984	1969	2953	3937	4921	5906	6890	7874	8858	9843
C		F										
Intake Air Temperature	0	32	1.000	1.000	0.982	0.943	0.904	0.865	0.826	0.787	0.748	0.709
	5	41	1.000	1.000	0.982	0.943	0.904	0.865	0.826	0.787	0.748	0.709
	10	50	1.000	1.000	0.982	0.943	0.904	0.865	0.826	0.787	0.748	0.709
	15	59	1.000	1.000	0.982	0.943	0.904	0.865	0.826	0.787	0.748	0.709
	20	68	1.000	1.000	0.982	0.943	0.904	0.865	0.826	0.787	0.748	0.709
	25	77	1.000	1.000	0.982	0.943	0.904	0.865	0.826	0.787	0.748	0.709
	30	86	0.995	0.995	0.977	0.938	0.900	0.861	0.822	0.783	0.744	0.706
	35	95	0.990	0.990	0.972	0.934	0.895	0.856	0.818	0.779	0.741	0.702
	40	104	0.985	0.985	0.967	0.929	0.890	0.852	0.814	0.775	0.737	0.698
	45	113	0.980	0.980	0.962	0.924	0.886	0.848	0.810	0.771	0.733	0.695
	50	122	0.975	0.975	0.958	0.919	0.881	0.843	0.805	0.767	0.729	0.691
	55	131	0.970	0.970	0.953	0.915	0.877	0.839	0.801	0.763	0.726	0.688

Model: 350/400REOZJ

Altitude: Derate 1.67% per 100 m (328 ft.) elevation above 3048 m (10000 ft.).

Temperature: No temperature derate.

		Altitude										
		m	300	600	900	1200	1500	1800	2100	2400	2700	3000
		ft	984	1969	2953	3937	4921	5906	6890	7874	8858	9843
C		F										
Intake Air Temperature	0	32	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	5	41	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	10	50	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	15	59	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	20	68	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	25	77	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	30	86	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	35	95	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	40	104	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	45	113	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	50	122	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	55	131	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

Model: 500REOZJ

Altitude: Derate 0.16% per 100 m (328 ft.) elevation above 304.8 m (1000 ft.) up to 2286 m (7500 ft.).
 Derate 1.31% per 100 m (328 ft.) elevation above 2286 m (7500 ft.).

Temperature: Derate 0.9% per 10°C (18°F) temperature above 25°C (77°F).

Enclosure: For units having enclosures, add 5°C (9°F) to the ambient temperature.

	Altitude											
	m	300	600	900	1200	1500	1800	2100	2400	2700	3000	
	ft	984	1969	2953	3937	4921	5906	6890	7874	8858	9843	
	C	F										
Intake Air Temperature	0	32	1.000	0.995	0.990	0.986	0.981	0.976	0.971	0.953	0.992	0.874
	5	41	1.000	0.995	0.990	0.986	0.981	0.976	0.971	0.953	0.992	0.874
	10	50	1.000	0.995	0.990	0.986	0.981	0.976	0.971	0.953	0.992	0.874
	15	59	1.000	0.995	0.990	0.986	0.981	0.976	0.971	0.953	0.992	0.874
	20	68	1.000	0.995	0.990	0.986	0.981	0.976	0.971	0.953	0.992	0.874
	25	77	1.000	0.995	0.990	0.986	0.981	0.976	0.971	0.953	0.992	0.874
	30	86	0.996	0.991	0.986	0.981	0.976	0.972	0.967	0.948	0.988	0.870
	35	95	0.991	0.986	0.982	0.977	0.972	0.967	0.963	0.944	0.983	0.866
	40	104	0.987	0.982	0.977	0.972	0.968	0.963	0.958	0.940	0.979	0.862
	45	113	0.982	0.977	0.973	0.968	0.963	0.959	0.954	0.936	0.974	0.858
	50	122	0.978	0.973	0.968	0.963	0.959	0.954	0.949	0.931	0.970	0.854
55	131	0.973	0.968	0.964	0.959	0.954	0.950	0.945	0.927	0.965	0.851	

REOZV/REOZVB Volvo-Powered Models

Model: 275-300REOZV

Altitude: Derate 0.8% per 100 m (328 ft.) elevation above 2000 m (6562 ft.).

Temperature: Derate 5.0% per 10°C (18°F) temperature above 40°C (104°F).

	Altitude											
		m	300	600	900	1200	1500	1800	2100	2400	2700	3000
		ft	984	1969	2953	3937	4921	5906	6890	7874	8858	9843
	C	F										
Intake Air Temperature	0	32	1.000	1.000	1.000	1.000	1.000	1.000	0.992	0.968	0.944	0.920
	5	41	1.000	1.000	1.000	1.000	1.000	1.000	0.992	0.968	0.944	0.920
	10	50	1.000	1.000	1.000	1.000	1.000	1.000	0.992	0.968	0.944	0.920
	15	59	1.000	1.000	1.000	1.000	1.000	1.000	0.992	0.968	0.944	0.920
	20	68	1.000	1.000	1.000	1.000	1.000	1.000	0.992	0.968	0.944	0.920
	25	77	1.000	1.000	1.000	1.000	1.000	1.000	0.992	0.968	0.944	0.920
	30	86	1.000	1.000	1.000	1.000	1.000	1.000	0.992	0.968	0.944	0.920
	35	95	1.000	1.000	1.000	1.000	1.000	1.000	0.992	0.968	0.944	0.920
	40	104	1.000	1.000	1.000	1.000	1.000	1.000	0.992	0.968	0.944	0.920
	45	113	0.975	0.975	0.975	0.975	0.975	0.975	0.967	0.944	0.920	0.897
	50	122	0.950	0.950	0.950	0.950	0.950	0.950	0.942	0.920	0.897	0.874
55	131	0.925	0.925	0.925	0.925	0.925	0.925	0.918	0.895	0.873	0.851	

Model: 350/400REOZV

Altitude: Derate 0.8% per 100 m (328 ft.) elevation above 1000 m (3280 ft.).

Temperature: Derate 5.0% per 10°C (18°F) temperature above 40°C (104°F).

	Altitude											
		m	300	600	900	1200	1500	1800	2100	2400	2700	3000
		ft	984	1969	2953	3937	4921	5906	6890	7874	8858	9843
	C	F										
Intake Air Temperature	0	32	1.000	1.000	1.000	0.984	0.960	0.936	0.912	0.888	0.864	0.840
	5	41	1.000	1.000	1.000	0.984	0.960	0.936	0.912	0.888	0.864	0.840
	10	50	1.000	1.000	1.000	0.984	0.960	0.936	0.912	0.888	0.864	0.840
	15	59	1.000	1.000	1.000	0.984	0.960	0.936	0.912	0.888	0.864	0.840
	20	68	1.000	1.000	1.000	0.984	0.960	0.936	0.912	0.888	0.864	0.840
	25	77	1.000	1.000	1.000	0.984	0.960	0.936	0.912	0.888	0.864	0.840
	30	86	1.000	1.000	1.000	0.984	0.960	0.936	0.912	0.888	0.864	0.840
	35	95	1.000	1.000	1.000	0.984	0.960	0.936	0.912	0.888	0.864	0.840
	40	104	1.000	1.000	1.000	0.984	0.960	0.936	0.912	0.888	0.864	0.840
	45	113	0.975	0.975	0.975	0.959	0.936	0.913	0.889	0.866	0.842	0.819
	50	122	0.950	0.950	0.950	0.935	0.912	0.889	0.866	0.844	0.821	0.798
55	131	0.925	0.925	0.925	0.910	0.888	0.866	0.844	0.821	0.799	0.777	

Model: 450/500REOZVB

Altitude: Derate 0.4% per 100 m (328 ft.) elevation above 1400 m (4593 ft.).

Temperature: Derate 5.0% per 10°C (18°F) temperature above 40°C (104°F).

		Altitude										
		m	300	600	900	1200	1500	1800	2100	2400	2700	3000
		ft	984	1969	2953	3937	4921	5906	6890	7874	8858	9843
		C	F									
Intake Air Temperature	0	32	1.000	1.000	1.000	1.000	0.996	0.984	0.972	0.960	0.948	0.936
	5	41	1.000	1.000	1.000	1.000	0.996	0.984	0.972	0.960	0.948	0.936
	10	50	1.000	1.000	1.000	1.000	0.996	0.984	0.972	0.960	0.948	0.936
	15	59	1.000	1.000	1.000	1.000	0.996	0.984	0.972	0.960	0.948	0.936
	20	68	1.000	1.000	1.000	1.000	0.996	0.984	0.972	0.960	0.948	0.936
	25	77	1.000	1.000	1.000	1.000	0.996	0.984	0.972	0.960	0.948	0.936
	30	86	1.000	1.000	1.000	1.000	0.996	0.984	0.972	0.960	0.948	0.936
	35	95	1.000	1.000	1.000	1.000	0.996	0.984	0.972	0.960	0.948	0.936
	40	104	1.000	1.000	1.000	1.000	0.996	0.984	0.972	0.960	0.948	0.936
	45	113	0.975	0.975	0.975	0.975	0.971	0.959	0.948	0.936	0.924	0.913
	50	122	0.950	0.950	0.950	0.950	0.946	0.935	0.923	0.912	0.901	0.889
	55	131	0.925	0.925	0.925	0.925	0.921	0.910	0.899	0.888	0.877	0.866

Model: 550/600REOZV

Altitude: Derate 1.14% per 100 m (328 ft.) elevation above 1500 m (4921 ft.).

Temperature: Derate 5.0% per 10°C (18°F) temperature above 40°C (104°F).

		Altitude										
		m	300	600	900	1200	1500	1800	2100	2400	2700	3000
		ft	984	1969	2953	3937	4921	5906	6890	7874	8858	9843
		C	F									
Intake Air Temperature	0	32	1.000	1.000	1.000	1.000	1.000	0.966	0.932	0.897	0.863	0.829
	5	41	1.000	1.000	1.000	1.000	1.000	0.966	0.932	0.897	0.863	0.829
	10	50	1.000	1.000	1.000	1.000	1.000	0.966	0.932	0.897	0.863	0.829
	15	59	1.000	1.000	1.000	1.000	1.000	0.966	0.932	0.897	0.863	0.829
	20	68	1.000	1.000	1.000	1.000	1.000	0.966	0.932	0.897	0.863	0.829
	25	77	1.000	1.000	1.000	1.000	1.000	0.966	0.932	0.897	0.863	0.829
	30	86	1.000	1.000	1.000	1.000	1.000	0.966	0.932	0.897	0.863	0.829
	35	95	1.000	1.000	1.000	1.000	1.000	0.966	0.932	0.897	0.863	0.829
	40	104	1.000	1.000	1.000	1.000	1.000	0.966	0.932	0.897	0.863	0.829
	45	113	0.975	0.975	0.975	0.975	0.975	0.942	0.908	0.875	0.842	0.808
	50	122	0.950	0.950	0.950	0.950	0.950	0.918	0.885	0.853	0.820	0.788
	55	131	0.925	0.925	0.925	0.925	0.925	0.893	0.862	0.830	0.798	0.767

REOZDB/REOZDC/REOZDD Detroit Diesel/MTU-Powered Series 60 Models

Model: 230REOZDB and 230REOZDD

Altitude: Derate 0.5% per 100 m (328 ft.) elevation above 2288 m (7500 ft.) up to a maximum elevation of 3660 m (12000 ft.)

Temperature: Derate 1.8% per 10°C (18°F) temperature above 40°C (104°F).

	Altitude											
	m	300	600	900	1200	1500	1800	2100	2400	2700	3000	
	ft	984	1969	2953	3937	4921	5906	6890	7874	8858	9843	
	C	F										
Intake Air Temperature	0	32	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.994	0.980	0.965
	5	41	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.994	0.980	0.965
	10	50	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.994	0.980	0.965
	15	59	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.994	0.980	0.965
	20	68	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.994	0.980	0.965
	25	77	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.994	0.980	0.965
	30	86	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.994	0.980	0.965
	35	95	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.994	0.980	0.965
	40	104	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.994	0.980	0.965
	45	113	0.991	0.991	0.991	0.991	0.991	0.991	0.991	0.985	0.971	0.956
	50	122	0.982	0.982	0.982	0.982	0.982	0.982	0.982	0.976	0.962	0.947
55	131	0.973	0.973	0.973	0.973	0.973	0.973	0.973	0.967	0.953	0.939	

Model: 250REOZDB and 250REOZDD

Altitude: Derate 0.2% per 100 m (328 ft.) elevation above 183 m (600 ft.) up to a maximum elevation of 3660 m (12000 ft.)

Temperature: Derate 1.8% per 10°C (18°F) temperature above 40°C (104°F).

	Altitude											
	m	300	600	900	1200	1500	1800	2100	2400	2700	3000	
	ft	984	1969	2953	3937	4921	5906	6890	7874	8858	9843	
	C	F										
Intake Air Temperature	0	32	0.998	0.993	0.988	0.983	0.978	0.973	0.969	0.964	0.959	0.954
	5	41	0.998	0.993	0.988	0.983	0.978	0.973	0.969	0.964	0.959	0.954
	10	50	0.998	0.993	0.988	0.983	0.978	0.973	0.969	0.964	0.959	0.954
	15	59	0.998	0.993	0.988	0.983	0.978	0.973	0.969	0.964	0.959	0.954
	20	68	0.998	0.993	0.988	0.983	0.978	0.973	0.969	0.964	0.959	0.954
	25	77	0.998	0.993	0.988	0.983	0.978	0.973	0.969	0.964	0.959	0.954
	30	86	0.998	0.993	0.988	0.983	0.978	0.973	0.969	0.964	0.959	0.954
	35	95	0.998	0.993	0.988	0.983	0.978	0.973	0.969	0.964	0.959	0.954
	40	104	0.998	0.993	0.988	0.983	0.978	0.973	0.969	0.964	0.959	0.954
	45	113	0.989	0.984	0.979	0.974	0.970	0.965	0.960	0.955	0.950	0.945
	50	122	0.980	0.975	0.970	0.965	0.961	0.956	0.951	0.946	0.941	0.936
55	131	0.971	0.966	0.961	0.957	0.952	0.947	0.942	0.937	0.933	0.928	

Model: 275REOZDB and 275REOZDD

Altitude: Derate 0.5% per 100 m (328 ft.) elevation above 1891 m (6200 ft.) up to a maximum elevation of 3660 m (12000 ft.)

Temperature: Derate 1.8% per 10°C (18°F) temperature above 40°C (104°F).

		Altitude										
		m	300	600	900	1200	1500	1800	2100	2400	2700	3000
		ft	984	1969	2953	3937	4921	5906	6890	7874	8858	9843
		C	F									
Intake Air Temperature	0	32	1.000	1.000	1.000	1.000	1.000	1.000	0.990	0.975	0.960	0.945
	5	41	1.000	1.000	1.000	1.000	1.000	1.000	0.990	0.975	0.960	0.945
	10	50	1.000	1.000	1.000	1.000	1.000	1.000	0.990	0.975	0.960	0.945
	15	59	1.000	1.000	1.000	1.000	1.000	1.000	0.990	0.975	0.960	0.945
	20	68	1.000	1.000	1.000	1.000	1.000	1.000	0.990	0.975	0.960	0.945
	25	77	1.000	1.000	1.000	1.000	1.000	1.000	0.990	0.975	0.960	0.945
	30	86	1.000	1.000	1.000	1.000	1.000	1.000	0.990	0.975	0.960	0.945
	35	95	1.000	1.000	1.000	1.000	1.000	1.000	0.990	0.975	0.960	0.945
	40	104	1.000	1.000	1.000	1.000	1.000	1.000	0.990	0.975	0.960	0.945
	45	113	0.991	0.991	0.991	0.991	0.991	0.991	0.981	0.966	0.951	0.937
	50	122	0.982	0.982	0.982	0.982	0.982	0.982	0.972	0.957	0.943	0.928
	55	131	0.973	0.973	0.973	0.973	0.973	0.973	0.963	0.948	0.934	0.920

Model: 300REOZDB and 300REOZDD

Altitude: Derate 0.2% per 100 m (328 ft.) elevation above 1525 m (5000 ft.) up to a maximum elevation of 3660 m (12000 ft.)

Temperature: Derate 1.8% per 10°C (18°F) temperature above 40°C (104°F).

		Altitude										
		m	300	600	900	1200	1500	1800	2100	2400	2700	3000
		ft	984	1969	2953	3937	4921	5906	6890	7874	8858	9843
		C	F									
Intake Air Temperature	0	32	1.000	1.000	1.000	1.000	1.000	0.995	0.991	0.986	0.981	0.976
	5	41	1.000	1.000	1.000	1.000	1.000	0.995	0.991	0.986	0.981	0.976
	10	50	1.000	1.000	1.000	1.000	1.000	0.995	0.991	0.986	0.981	0.976
	15	59	1.000	1.000	1.000	1.000	1.000	0.995	0.991	0.986	0.981	0.976
	20	68	1.000	1.000	1.000	1.000	1.000	0.995	0.991	0.986	0.981	0.976
	25	77	1.000	1.000	1.000	1.000	1.000	0.995	0.991	0.986	0.981	0.976
	30	86	1.000	1.000	1.000	1.000	1.000	0.995	0.991	0.986	0.981	0.976
	35	95	1.000	1.000	1.000	1.000	1.000	0.995	0.991	0.986	0.981	0.976
	40	104	1.000	1.000	1.000	1.000	1.000	0.995	0.991	0.986	0.981	0.976
	45	113	0.991	0.991	0.991	0.991	0.991	0.986	0.982	0.977	0.972	0.967
	50	122	0.982	0.982	0.982	0.982	0.982	0.977	0.973	0.968	0.963	0.958
	55	131	0.973	0.973	0.973	0.973	0.973	0.968	0.964	0.959	0.954	0.949

Model: 450REOZDB, 400REOZDC, and 350-450REOZDD

Altitude: Derate 0.5% per 100 m (328 ft.) elevation above 183 m (600 ft.) up to a maximum elevation of 3660 m (12000 ft.)

Temperature: Derate 1.8% per 10°C (18°F) temperature above 25°C (77°F).

		Altitude										
		m	300	600	900	1200	1500	1800	2100	2400	2700	3000
		ft	984	1969	2953	3937	4921	5906	6890	7874	8858	9843
C		F										
Intake Air Temperature	0	32	0.994	0.979	0.965	0.950	0.935	0.920	0.906	0.891	0.876	0.861
	5	41	0.994	0.979	0.965	0.950	0.935	0.920	0.906	0.891	0.876	0.861
	10	50	0.994	0.979	0.965	0.950	0.935	0.920	0.906	0.891	0.876	0.861
	15	59	0.994	0.979	0.965	0.950	0.935	0.920	0.906	0.891	0.876	0.861
	20	68	0.994	0.979	0.965	0.950	0.935	0.920	0.906	0.891	0.876	0.861
	25	77	0.994	0.979	0.965	0.950	0.935	0.920	0.906	0.891	0.876	0.861
	30	86	0.985	0.971	0.956	0.941	0.927	0.912	0.897	0.883	0.868	0.854
	35	95	0.976	0.962	0.947	0.933	0.918	0.904	0.889	0.875	0.860	0.846
	40	104	0.967	0.953	0.938	0.924	0.910	0.895	0.881	0.867	0.852	0.838
	45	113	0.958	0.944	0.930	0.915	0.901	0.887	0.873	0.859	0.844	0.830
	50	122	0.949	0.935	0.921	0.907	0.893	0.879	0.865	0.850	0.836	0.822
	55	131	0.940	0.926	0.912	0.898	0.884	0.870	0.856	0.842	0.828	0.814

REOZDD Detroit Diesel/MTU-Powered Series 2000 Models

Model: 700REOZDD, 60 Hz

Altitude: Maximum site altitude of 3000 m (9842 ft.).

Temperature: See table for temperature derate.

	Altitude											
	m	300	600	900	1200	1500	1800	2100	2400	2700	3000	
	ft	984	1969	2953	3937	4921	5906	6890	7874	8858	9843	
C	F											
Intake Air Temperature	0	32	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	5	41	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	10	50	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	15	59	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	20	68	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.977	0.990
	25	77	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.977	0.953
	30	86	1.000	1.000	1.000	1.000	1.000	1.000	0.990	0.964	0.940	0.915
	35	95	1.000	1.000	1.000	1.000	1.000	0.979	0.954	0.927	0.903	0.900
	40	104	1.000	1.000	1.000	0.999	0.971	0.942	0.917	0.900	0.900	0.900
	45	113	1.000	1.000	0.991	0.962	0.933	0.906	0.900	0.900	0.900	0.900
	50	122	1.000	0.983	0.954	0.913	0.900	0.900	0.900	0.900	0.900	0.900
55	131	0.977	0.946	0.917	0.900	0.900	0.900	0.900	0.900	0.900	0.900	

Model: 700REOZDD, 50 Hz

Altitude: Maximum site altitude of 3000 m (9842 ft.).

Temperature: Maximum ambient temperature of 50°C (122°F).

	Altitude											
	m	300	600	900	1200	1500	1800	2100	2400	2700	3000	
	ft	984	1969	2953	3937	4921	5906	6890	7874	8858	9843	
C	F											
Intake Air Temperature	0	32	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	5	41	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	10	50	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	15	59	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	20	68	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	25	77	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	30	86	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.965
	35	95	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.961	0.896	0.830
	40	104	1.000	1.000	1.000	1.000	1.000	0.964	0.894	0.828	0.769	0.710
	45	113	1.000	1.000	1.000	0.975	0.902	0.831	0.767	0.706	0.646	0.587
	50	122	1.000	0.995	0.918	0.843	0.775	0.709	0.644	0.583	0.523	0.460
55	131	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

Model: 800REOZDD, 60 Hz

Altitude: Maximum site altitude of 2650 m (8694 ft.).

Temperature: See table for temperature derate.

		Altitude										
		m	300	600	900	1200	1500	1800	2100	2400	2700	3000
		ft	984	1969	2953	3937	4921	5906	6890	7874	8858	9843
		C	F									
Intake Air Temperature	0	32	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	N/A	N/A
	5	41	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	N/A	N/A
	10	50	1.000	1.000	1.000	1.000	1.000	1.000	0.987	0.965	N/A	N/A
	15	59	1.000	1.000	1.000	1.000	1.000	0.978	0.956	0.938	N/A	N/A
	20	68	1.000	1.000	1.000	0.992	0.970	0.948	0.938	0.938	N/A	N/A
	25	77	1.000	1.000	0.987	0.963	0.940	0.938	0.938	0.934	N/A	N/A
	30	86	1.000	0.981	0.957	0.938	0.938	0.938	0.929	0.918	N/A	N/A
	35	95	0.976	0.952	0.938	0.938	0.936	0.925	0.912	0.901	N/A	N/A
	40	104	0.946	0.938	0.938	0.933	0.920	0.908	0.897	0.885	N/A	N/A
	45	113	0.938	0.938	0.929	0.916	0.903	0.892	0.880	0.869	N/A	N/A
	50	122	0.938	0.926	0.912	0.900	0.888	0.875	0.864	0.853	N/A	N/A
	55	131	0.924	0.910	0.897	0.883	0.871	0.860	0.847	0.836	N/A	N/A

Model: 800REOZDD, 50 Hz

Altitude: Maximum site altitude of 1500 m (4921 ft.).

Temperature: Maximum ambient temperature of 50°C (122°F).

		Altitude										
		m	300	600	900	1200	1500	1800	2100	2400	2700	3000
		ft	984	1969	2953	3937	4921	5906	6890	7874	8858	9843
		C	F									
Intake Air Temperature	0	32	1.000	1.000	1.000	1.000	1.000	N/A	N/A	N/A	N/A	N/A
	5	41	1.000	1.000	1.000	1.000	1.000	N/A	N/A	N/A	N/A	N/A
	10	50	1.000	1.000	1.000	1.000	1.000	N/A	N/A	N/A	N/A	N/A
	15	59	1.000	1.000	1.000	1.000	1.000	N/A	N/A	N/A	N/A	N/A
	20	68	1.000	1.000	1.000	1.000	1.000	N/A	N/A	N/A	N/A	N/A
	25	77	1.000	1.000	1.000	1.000	1.000	N/A	N/A	N/A	N/A	N/A
	30	86	1.000	1.000	1.000	1.000	1.000	N/A	N/A	N/A	N/A	N/A
	35	95	1.000	1.000	1.000	1.000	0.949	N/A	N/A	N/A	N/A	N/A
	40	104	1.000	1.000	0.961	0.903	0.847	N/A	N/A	N/A	N/A	N/A
	45	113	0.980	0.919	0.859	0.801	0.745	N/A	N/A	N/A	N/A	N/A
	50	122	0.878	0.817	0.757	0.699	0.643	N/A	N/A	N/A	N/A	N/A
	55	131	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Model: 900REOZDD, 60 Hz

Altitude: Maximum site altitude of 3000 m (9842 ft.).

Temperature: See table for temperature derate.

		Altitude										
		m	300	600	900	1200	1500	1800	2100	2400	2700	3000
		ft	984	1969	2953	3937	4921	5906	6890	7874	8858	9843
		C	F									
Intake Air Temperature	0	32	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	5	41	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	10	50	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	15	59	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	20	68	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	25	77	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	30	86	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	35	95	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	40	104	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	45	113	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.988
	50	122	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.980	0.955
55	131	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.998	0.972	0.948	0.925

Model: 900REOZDD, 50 Hz

Altitude: Maximum site altitude of 3000 m (9842 ft.).

Temperature: Maximum ambient temperature of 50°C (122°F).

		Altitude										
		m	300	600	900	1200	1500	1800	2100	2400	2700	3000
		ft	984	1969	2953	3937	4921	5906	6890	7874	8858	9843
		C	F									
Intake Air Temperature	0	32	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	5	41	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	10	50	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	15	59	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	20	68	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	25	77	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	30	86	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	35	95	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	40	104	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	45	113	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	50	122	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.978
55	131	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Model: 1000REOZDD, 60 Hz

Altitude: Maximum site altitude of 1800 m (5905 ft.).

Temperature: See table for temperature derate.

	Altitude											
		m	300	600	900	1200	1500	1800	2100	2400	2700	3000
		ft	984	1969	2953	3937	4921	5906	6890	7874	8858	9843
	C	F										
Intake Air Temperature	0	32	1.000	1.000	1.000	1.000	1.000	1.000	1.000	N/A	N/A	N/A
	5	41	1.000	1.000	1.000	1.000	1.000	1.000	1.000	N/A	N/A	N/A
	10	50	1.000	1.000	1.000	1.000	1.000	1.000	1.000	N/A	N/A	N/A
	15	59	1.000	1.000	1.000	1.000	1.000	1.000	1.000	N/A	N/A	N/A
	20	68	1.000	1.000	1.000	1.000	1.000	1.000	1.000	N/A	N/A	N/A
	25	77	1.000	1.000	1.000	1.000	1.000	1.000	1.000	N/A	N/A	N/A
	30	86	1.000	1.000	1.000	1.000	1.000	1.000	1.000	N/A	N/A	N/A
	35	95	1.000	1.000	1.000	1.000	1.000	1.000	1.000	N/A	N/A	N/A
	40	104	1.000	1.000	1.000	1.000	1.000	1.000	1.000	N/A	N/A	N/A
	45	113	1.000	1.000	1.000	1.000	1.000	0.981	N/A	N/A	N/A	N/A
	50	122	1.000	1.000	1.000	1.000	0.977	0.953	N/A	N/A	N/A	N/A
	55	131	1.000	1.000	0.998	0.973	0.949	0.925	N/A	N/A	N/A	N/A

Model: 1000REOZDD, 50 Hz

Altitude: Maximum site altitude of 2200 m (7218 ft.).

Temperature: Maximum ambient temperature of 50°C (122°F).

	Altitude											
		m	300	600	900	1200	1500	1800	2100	2400	2700	3000
		ft	984	1969	2953	3937	4921	5906	6890	7874	8858	9843
	C	F										
Intake Air Temperature	0	32	1.000	1.000	1.000	1.000	1.000	1.000	1.000	N/A	N/A	N/A
	5	41	1.000	1.000	1.000	1.000	1.000	1.000	1.000	N/A	N/A	N/A
	10	50	1.000	1.000	1.000	1.000	1.000	1.000	1.000	N/A	N/A	N/A
	15	59	1.000	1.000	1.000	1.000	1.000	1.000	1.000	N/A	N/A	N/A
	20	68	1.000	1.000	1.000	1.000	1.000	1.000	1.000	N/A	N/A	N/A
	25	77	1.000	1.000	1.000	1.000	1.000	1.000	1.000	N/A	N/A	N/A
	30	86	1.000	1.000	1.000	1.000	1.000	1.000	1.000	N/A	N/A	N/A
	35	95	1.000	1.000	1.000	1.000	1.000	1.000	1.000	N/A	N/A	N/A
	40	104	1.000	1.000	1.000	1.000	1.000	1.000	1.000	N/A	N/A	N/A
	45	113	1.000	1.000	1.000	1.000	1.000	1.000	0.992	N/A	N/A	N/A
	50	122	1.000	1.000	1.000	1.000	0.992	0.970	0.950	N/A	N/A	N/A
	55	131	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

REOZD/REOZDB/REOZDC Detroit Diesel/MTU-Powered Series 4000 Models

Model: 1250REOZDC, 60 Hz

Altitude: Maximum site altitude of 3000 m (9842 ft.).

Temperature: See table for temperature derate.

	Altitude											
		m	300	600	900	1200	1500	1800	2100	2400	2700	3000
		ft	984	1969	2953	3937	4921	5906	6890	7874	8858	9843
	C	F										
Intake Air Temperature	0	32	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	5	41	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	10	50	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	15	59	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	20	68	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	25	77	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	30	86	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	35	95	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	40	104	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	45	113	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.990
	50	122	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.990
55	131	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.990	0.970

Model: 1250REOZDC, 50 Hz

Altitude: Maximum site altitude of 3000 m (9842 ft.).

Temperature: See table for temperature derate.

	Altitude											
		m	300	600	900	1200	1500	1800	2100	2400	2700	3000
		ft	984	1969	2953	3937	4921	5906	6890	7874	8858	9843
	C	F										
Intake Air Temperature	0	32	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	5	41	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	10	50	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	15	59	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	20	68	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	25	77	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	30	86	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	35	95	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	40	104	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	45	113	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.990	0.950
	50	122	1.000	1.000	1.000	1.000	1.000	1.000	0.980	0.930	0.890	0.840
55	131	1.000	1.000	1.000	1.000	0.970	0.920	0.870	0.820	0.770	0.720	

Model: 1500REOZDC, 60 Hz

Altitude: Maximum site altitude of 3000 m (9842 ft.).

Temperature: See table for temperature derate.

	Altitude											
		m	300	600	900	1200	1500	1800	2100	2400	2700	3000
		ft	984	1969	2953	3937	4921	5906	6890	7874	8858	9843
	C	F										
Intake Air Temperature	0	32	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	5	41	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	10	50	1.000	1.000	1.000	1.000	1.000	0.986	0.941	0.897	0.878	0.878
	15	59	1.000	1.000	1.000	1.000	1.000	0.960	0.915	0.878	0.878	0.878
	20	68	1.000	1.000	1.000	1.000	0.980	0.934	0.889	0.878	0.878	0.878
	25	77	1.000	1.000	1.000	1.000	0.954	0.908	0.878	0.878	0.878	0.878
	30	86	1.000	1.000	1.000	0.976	0.928	0.881	0.878	0.878	0.878	0.878
	35	95	1.000	1.000	0.999	0.950	0.902	0.878	0.878	0.878	0.878	0.866
	40	104	1.000	1.000	0.973	0.923	0.878	0.878	0.878	0.878	0.876	0.850
	45	113	1.000	0.998	0.946	0.897	0.878	0.878	0.878	0.878	0.859	0.833
	50	122	1.000	0.971	0.921	0.878	0.878	0.878	0.878	0.870	0.842	0.816
	55	131	0.997	0.945	0.894	0.878	0.878	0.878	0.878	0.878	0.853	0.825

Model: 1500REOZDC, 50 Hz

Altitude: Maximum site altitude of 3000 m (9842 ft.).

Temperature: See table for temperature derate.

	Altitude											
		m	300	600	900	1200	1500	1800	2100	2400	2700	3000
		ft	984	1969	2953	3937	4921	5906	6890	7874	8858	9843
	C	F										
Intake Air Temperature	0	32	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	5	41	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	10	50	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	15	59	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	20	68	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	25	77	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	30	86	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	35	95	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	40	104	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.945	0.898
	45	113	1.000	1.000	1.000	1.000	1.000	0.982	0.929	0.879	0.830	0.783
	50	122	1.000	1.000	1.000	0.974	0.919	0.866	0.815	0.764	0.716	0.669
	55	131	1.000	0.975	0.916	0.854	0.805	0.752	0.700	0.650	0.601	0.554

Model: 1750REOZDC, 60 Hz

Altitude: Maximum site altitude of 1600 m (5249 ft.).

Temperature: See table for temperature derate.

		Altitude											
		m	300	600	900	1200	1500	1800	2100	2400	2700	3000	
		ft	984	1969	2953	3937	4921	5906	6890	7874	8858	9843	
		C	F										
Intake Air Temperature	0	32	1.000	1.000	1.000	1.000	1.000	1.000	N/A	N/A	N/A	N/A	N/A
	5	41	1.000	1.000	1.000	1.000	1.000	1.000	N/A	N/A	N/A	N/A	N/A
	10	50	1.000	1.000	1.000	1.000	1.000	0.996	N/A	N/A	N/A	N/A	N/A
	15	59	1.000	1.000	1.000	1.000	1.000	0.985	N/A	N/A	N/A	N/A	N/A
	20	68	1.000	1.000	1.000	1.000	0.994	0.973	N/A	N/A	N/A	N/A	N/A
	25	77	1.000	1.000	1.000	1.000	0.983	0.961	N/A	N/A	N/A	N/A	N/A
	30	86	1.000	1.000	1.000	0.993	0.971	0.950	N/A	N/A	N/A	N/A	N/A
	35	95	1.000	1.000	1.000	0.981	0.959	0.938	N/A	N/A	N/A	N/A	N/A
	40	104	1.000	0.992	0.970	0.948	0.926	N/A	N/A	N/A	N/A	N/A	N/A
	45	113	1.000	0.981	0.958	0.936	0.915	N/A	N/A	N/A	N/A	N/A	N/A
	50	122	0.992	0.969	0.946	0.924	0.903	N/A	N/A	N/A	N/A	N/A	N/A
	55	131	0.981	0.957	0.935	0.913	0.891	N/A	N/A	N/A	N/A	N/A	N/A

Model: 1750REOZDC, 50 Hz

Altitude: Maximum site altitude of 3000 m (9842 ft.).

Temperature: See table for temperature derate.

		Altitude											
		m	300	600	900	1200	1500	1800	2100	2400	2700	3000	
		ft	984	1969	2953	3937	4921	5906	6890	7874	8858	9843	
		C	F										
Intake Air Temperature	0	32	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	5	41	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	10	50	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	15	59	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	20	68	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	25	77	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	30	86	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	35	95	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.997	0.953	0.911
	40	104	1.000	1.000	1.000	1.000	1.000	0.986	0.939	0.894	0.850	0.808	
	45	113	1.000	1.000	1.000	0.980	0.930	0.883	0.836	0.791	0.747	0.705	
	50	122	1.000	0.980	0.927	0.877	0.827	0.779	0.733	0.688	0.644	0.602	
	55	131	0.931	0.877	0.825	0.774	0.725	0.677	0.630	0.585	0.541	0.499	

Model: 2000REOZDC, 60 Hz

Altitude: Maximum site altitude of 3000 m (9842 ft.).

Temperature: See table for temperature derate.

	Altitude											
		m	300	600	900	1200	1500	1800	2100	2400	2700	3000
		ft	984	1969	2953	3937	4921	5906	6890	7874	8858	9843
	C	F										
Intake Air Temperature	0	32	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	5	41	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	10	50	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.952	0.922
	15	59	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.966	0.922	0.922
	20	68	1.000	1.000	1.000	1.000	1.000	1.000	0.982	0.922	0.922	0.922
	25	77	1.000	1.000	1.000	1.000	1.000	0.996	0.937	0.922	0.922	0.898
	30	86	1.000	1.000	1.000	1.000	1.000	0.955	0.922	0.922	0.905	0.869
	35	95	1.000	1.000	1.000	1.000	0.975	0.922	0.922	0.914	0.877	0.843
	40	104	1.000	1.000	1.000	0.994	0.930	0.922	0.922	0.886	0.850	0.816
	45	113	1.000	1.000	1.000	0.951	0.922	0.922	0.896	0.858	0.824	0.789
	50	122	1.000	1.000	0.975	0.922	0.922	0.907	0.868	0.832	0.797	0.724
	55	131	1.000	0.996	0.931	0.922	0.920	0.879	0.841	0.805	0.760	0.592

Model: 2000REOZDC, 50 Hz

Altitude: Maximum site altitude of 3000 m (9842 ft.).

Temperature: See table for temperature derate.

	Altitude											
		m	300	600	900	1200	1500	1800	2100	2400	2700	3000
		ft	984	1969	2953	3937	4921	5906	6890	7874	8858	9843
	C	F										
Intake Air Temperature	0	32	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	5	41	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	10	50	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	15	59	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	20	68	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	25	77	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	30	86	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	35	95	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	40	104	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	45	113	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.989
	50	122	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.981	0.954	0.928
	55	131	1.000	1.000	1.000	1.000	1.000	0.977	0.948	0.920	0.893	0.866

Model: 2250REOZDC, 60 Hz

Altitude: Maximum site altitude of 1350 m (4429 ft.).

Temperature: See table for temperature derate.

		Altitude										
		m	300	600	900	1200	1500	1800	2100	2400	2700	3000
		ft	984	1969	2953	3937	4921	5906	6890	7874	8858	9843
		C	F									
Intake Air Temperature	0	32	1.000	1.000	1.000	1.000	N/A	N/A	N/A	N/A	N/A	N/A
	5	41	1.000	1.000	1.000	1.000	N/A	N/A	N/A	N/A	N/A	N/A
	10	50	1.000	1.000	1.000	1.000	N/A	N/A	N/A	N/A	N/A	N/A
	15	59	1.000	1.000	1.000	1.000	N/A	N/A	N/A	N/A	N/A	N/A
	20	68	1.000	1.000	1.000	0.996	N/A	N/A	N/A	N/A	N/A	N/A
	25	77	1.000	1.000	1.000	0.984	N/A	N/A	N/A	N/A	N/A	N/A
	30	86	1.000	1.000	0.990	0.970	N/A	N/A	N/A	N/A	N/A	N/A
	35	95	1.000	0.998	0.977	0.957	N/A	N/A	N/A	N/A	N/A	N/A
	40	104	1.000	0.985	0.964	0.944	N/A	N/A	N/A	N/A	N/A	N/A
	45	113	0.993	0.972	0.951	0.921	N/A	N/A	N/A	N/A	N/A	N/A
	50	122	0.980	0.958	0.934	0.896	N/A	N/A	N/A	N/A	N/A	N/A
	55	131	0.967	0.946	0.909	0.872	N/A	N/A	N/A	N/A	N/A	N/A

Model: 2250REOZDC, 50 Hz

Altitude: Maximum site altitude of 3000 m (9842 ft.).

Temperature: See table for temperature derate.

		Altitude										
		m	300	600	900	1200	1500	1800	2100	2400	2700	3000
		ft	984	1969	2953	3937	4921	5906	6890	7874	8858	9843
		C	F									
Intake Air Temperature	0	32	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	5	41	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	10	50	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	15	59	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	20	68	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	25	77	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	30	86	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	35	95	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	40	104	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.993	0.968	0.945
	45	113	1.000	1.000	1.000	1.000	1.000	0.989	0.962	0.937	0.913	0.890
	50	122	1.000	1.000	1.000	0.988	0.960	0.933	0.908	0.882	0.858	0.834
	55	131	1.000	0.990	0.961	0.932	0.905	0.878	0.852	0.827	0.803	0.779

Model: 2500REOZDB, 60 Hz, Two Turbocharger Design

Altitude: Maximum site altitude of 3000 m (9842 ft.).

Temperature: No temperature derate.

		Altitude										
		m	300	600	900	1200	1500	1800	2100	2400	2700	3000
		ft	984	1969	2953	3937	4921	5906	6890	7874	8858	9843
		C	F									
Intake Air Temperature	0	32	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	5	41	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	10	50	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	15	59	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	20	68	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	25	77	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	30	86	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	35	95	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	40	104	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	45	113	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	50	122	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	55	131	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

Model: 2500REOZDB, 60 Hz, Six Turbocharger Design

Altitude: Maximum site altitude of 3000 m (9842 ft.).

Temperature: Maximum ambient temperature of 55°C (131°F).

		Altitude										
		m	300	600	900	1200	1500	1800	2100	2400	2700	3000
		ft	984	1969	2953	3937	4921	5906	6890	7874	8858	9843
		C	F									
Intake Air Temperature	0	32	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	5	41	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	10	50	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	15	59	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	20	68	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	25	77	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	30	86	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	35	95	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	40	104	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	45	113	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.981
	50	122	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.977	0.942
	55	131	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.966	0.928

Model: 2500REOZDB, 50 Hz, Two Turbocharger Design

Altitude: Maximum site altitude of 3000 m (9842 ft.).

Temperature: See table for temperature derate.

		Altitude										
		m	300	600	900	1200	1500	1800	2100	2400	2700	3000
		ft	984	1969	2953	3937	4921	5906	6890	7874	8858	9843
		C	F									
Intake Air Temperature	0	32	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	5	41	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	10	50	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	15	59	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	20	68	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	25	77	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	30	86	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	35	95	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.995
	40	104	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.975	0.935
	45	113	1.000	1.000	1.000	1.000	1.000	1.000	0.999	0.957	0.916	0.876
	50	122	1.000	1.000	1.000	1.000	1.000	0.983	0.940	0.898	0.856	0.816
55	131	1.000	1.000	1.000	1.000	0.969	0.924	0.881	0.838	0.796	0.756	

Model: 2500REOZDB, 50 Hz, Six Turbocharger Design

Altitude: Maximum site altitude of 3000 m (9842 ft.).

Temperature: Maximum ambient temperature of 55°C (131°F).

		Altitude										
		m	300	600	900	1200	1500	1800	2100	2400	2700	3000
		ft	984	1969	2953	3937	4921	5906	6890	7874	8858	9843
		C	F									
Intake Air Temperature	0	32	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	5	41	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.922
	10	50	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.895	0.843
	15	59	1.000	1.000	1.000	1.000	1.000	1.000	0.959	0.868	0.831	0.810
	20	68	1.000	1.000	1.000	1.000	1.000	0.915	0.841	0.819	0.796	0.775
	25	77	1.000	1.000	1.000	0.972	0.873	0.830	0.807	0.784	0.756	0.697
	30	86	1.000	1.000	0.937	0.845	0.820	0.796	0.772	0.721	0.660	0.601
	35	95	1.000	0.904	0.835	0.810	0.785	0.754	0.689	0.625	0.565	0.505
	40	104	1.000	0.808	0.733	0.775	0.750	0.712	0.605	0.529	0.470	0.409
	45	113	1.000	0.712	0.631	0.740	0.715	0.670	0.521	0.433	0.375	0.313
	50	122	1.000	0.616	0.529	0.705	0.680	0.628	0.437	0.337	0.280	0.217
55	131	1.000	0.520	0.427	0.670	0.645	0.586	0.353	0.241	0.185	0.121	

Model: 2800REOZDB, 60 Hz, Two Turbocharger Design

Altitude: Maximum site altitude of 2800 m (9186 ft.).

Temperature: See table for temperature derate.

		Altitude											
		m	300	600	900	1200	1500	1800	2100	2400	2700	3000	
		ft	984	1969	2953	3937	4921	5906	6890	7874	8858	9843	
		C	F										
Intake Air Temperature	0	32	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	N/A
	5	41	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	N/A
	10	50	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	N/A
	15	59	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	N/A
	20	68	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	N/A
	25	77	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	N/A
	30	86	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	N/A
	35	95	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	N/A
	40	104	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	N/A
	45	113	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	N/A
	50	122	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.998	0.979	N/A
	55	131	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.986	0.967	0.949

Model: 2800REOZDB, 60 Hz, Six Turbocharger Design

Altitude: Maximum site altitude of 3000 m (9842 ft.).

Temperature: Maximum ambient temperature of 55°C (131°F).

		Altitude												
		m	300	600	900	1200	1500	1800	2100	2400	2700	3000		
		ft	984	1969	2953	3937	4921	5906	6890	7874	8858	9843		
		C	F											
Intake Air Temperature	0	32	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
	5	41	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.999	
	10	50	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.986	
	15	59	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.973	
	20	68	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.994	0.959	
	25	77	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.981	0.946	
	30	86	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.967	0.933	
	35	95	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.990	0.954	0.920	
	40	104	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.977	0.941	0.906	
	45	113	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.963	0.928	0.893	
	50	122	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.964	0.928	0.892	0.858
	55	131	1.000	1.000	1.000	1.000	1.000	1.000	0.994	0.955	0.917	0.881	0.845	0.810

Model: 2800REOZDB, 50 Hz, Two Turbocharger Design

Altitude: Maximum site altitude of 3000 m (9842 ft.).

Temperature: See table for temperature derate.

		Altitude										
		m	300	600	900	1200	1500	1800	2100	2400	2700	3000
		ft	984	1969	2953	3937	4921	5906	6890	7874	8858	9843
		C	F									
Intake Air Temperature	0	32	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	5	41	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	10	50	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	15	59	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	20	68	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.991
	25	77	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.982	0.963
	30	86	1.000	1.000	1.000	1.000	1.000	1.000	0.994	0.973	0.953	0.934
	35	95	1.000	1.000	1.000	1.000	1.000	0.986	0.965	0.945	0.924	0.902
	40	104	1.000	1.000	1.000	1.000	0.979	0.957	0.936	0.915	0.885	0.848
	45	113	1.000	1.000	0.996	0.973	0.951	0.928	0.906	0.868	0.830	0.794
	50	122	1.000	0.991	0.967	0.944	0.921	0.892	0.852	0.813	0.776	0.740
	55	131	0.987	0.963	0.939	0.915	0.879	0.838	0.798	0.759	0.722	0.685

Model: 2800REOZDB, 50 Hz, Six Turbocharger Design

Altitude: Maximum site altitude of 3000 m (9842 ft.).

Temperature: Maximum ambient temperature of 55°C (131°F).

		Altitude										
		m	300	600	900	1200	1500	1800	2100	2400	2700	3000
		ft	984	1969	2953	3937	4921	5906	6890	7874	8858	9843
		C	F									
Intake Air Temperature	0	32	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	5	41	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.973	0.841
	10	50	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.926	0.815	0.764
	15	59	1.000	1.000	1.000	1.000	1.000	0.976	0.881	0.789	0.753	0.734
	20	68	1.000	1.000	1.000	1.000	0.934	0.836	0.762	0.742	0.722	0.702
	25	77	1.000	1.000	0.998	0.895	0.794	0.752	0.731	0.711	0.686	0.631
	30	86	1.000	0.924	0.859	0.765	0.743	0.721	0.700	0.654	0.598	0.545
	35	95	0.936	0.826	0.757	0.734	0.712	0.683	0.624	0.567	0.512	0.458
	40	104	0.905	0.800	0.725	0.703	0.681	0.645	0.548	0.480	0.425	0.371
	45	113	0.874	0.774	0.695	0.672	0.650	0.607	0.472	0.393	0.338	0.284
	50	122	0.843	0.748	0.666	0.641	0.619	0.569	0.396	0.306	0.251	0.197
	55	131	0.812	0.722	0.635	0.610	0.588	0.531	0.320	0.219	0.164	0.110

Model: 3000REOZD, 60 Hz, Two Turbocharger Design

Altitude: Maximum site altitude of 1800 m (5905 ft.).

Temperature: See table for temperature derate.

		Altitude											
		m	300	600	900	1200	1500	1800	2100	2400	2700	3000	
		ft	984	1969	2953	3937	4921	5906	6890	7874	8858	9843	
		C	F										
Intake Air Temperature	0	32	1.000	1.000	1.000	1.000	1.000	1.000	1.000	N/A	N/A	N/A	N/A
	5	41	1.000	1.000	1.000	1.000	1.000	1.000	1.000	N/A	N/A	N/A	N/A
	10	50	1.000	1.000	1.000	1.000	1.000	1.000	1.000	N/A	N/A	N/A	N/A
	15	59	1.000	1.000	1.000	1.000	1.000	1.000	1.000	N/A	N/A	N/A	N/A
	20	68	1.000	1.000	1.000	1.000	1.000	1.000	1.000	N/A	N/A	N/A	N/A
	25	77	1.000	1.000	1.000	1.000	1.000	1.000	1.000	N/A	N/A	N/A	N/A
	30	86	1.000	1.000	1.000	1.000	1.000	1.000	1.000	N/A	N/A	N/A	N/A
	35	95	1.000	1.000	1.000	1.000	1.000	1.000	1.000	N/A	N/A	N/A	N/A
	40	104	1.000	1.000	1.000	1.000	1.000	1.000	1.000	N/A	N/A	N/A	N/A
	45	113	1.000	1.000	1.000	1.000	1.000	0.992	N/A	N/A	N/A	N/A	N/A
	50	122	1.000	1.000	1.000	1.000	0.984	0.967	N/A	N/A	N/A	N/A	N/A
	55	131	1.000	1.000	0.993	0.976	0.959	0.942	N/A	N/A	N/A	N/A	N/A

Model: 3000REOZD, 60 Hz, Six Turbocharger Design

Altitude: Maximum site altitude of 3000 m (9842 ft.).

Temperature: Maximum ambient temperature of 55°C (131°F).

		Altitude										
		m	300	600	900	1200	1500	1800	2100	2400	2700	3000
		ft	984	1969	2953	3937	4921	5906	6890	7874	8858	9843
		C	F									
Intake Air Temperature	0	32	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	5	41	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.935
	10	50	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.987	0.956	0.926
	15	59	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.974	0.946	0.916
	20	68	1.000	1.000	1.000	1.000	1.000	1.000	0.997	0.965	0.934	0.905
	25	77	1.000	1.000	1.000	1.000	1.000	1.000	0.985	0.954	0.923	0.893
	30	86	1.000	1.000	1.000	1.000	1.000	1.000	0.974	0.942	0.911	0.882
	35	95	1.000	1.000	1.000	1.000	1.000	0.995	0.962	0.931	0.900	0.870
	40	104	1.000	1.000	1.000	1.000	1.000	0.984	0.951	0.919	0.888	0.859
	45	113	1.000	1.000	1.000	1.000	1.000	0.972	0.940	0.908	0.877	0.847
	50	122	1.000	1.000	1.000	0.999	0.978	0.944	0.911	0.878	0.847	0.817
	55	131	1.000	1.000	0.997	0.972	0.937	0.903	0.869	0.837	0.806	0.776

Model: 3250REOZD, 60 Hz, Two Turbocharger Design

Altitude: Maximum site altitude of 1800 m (5905 ft.).

Temperature: See table for temperature derate.

		Altitude											
		m	300	600	900	1200	1500	1800	2100	2400	2700	3000	
		ft	984	1969	2953	3937	4921	5906	6890	7874	8858	9843	
		C	F										
Intake Air Temperature	0	32	1.000	1.000	1.000	1.000	1.000	1.000	1.000	N/A	N/A	N/A	N/A
	5	41	1.000	1.000	1.000	1.000	1.000	1.000	1.000	N/A	N/A	N/A	N/A
	10	50	1.000	1.000	1.000	1.000	1.000	1.000	1.000	N/A	N/A	N/A	N/A
	15	59	1.000	1.000	1.000	1.000	1.000	1.000	1.000	N/A	N/A	N/A	N/A
	20	68	1.000	1.000	1.000	1.000	1.000	1.000	1.000	N/A	N/A	N/A	N/A
	25	77	1.000	1.000	1.000	1.000	1.000	0.993	N/A	N/A	N/A	N/A	N/A
	30	86	1.000	1.000	1.000	0.997	0.989	0.980	N/A	N/A	N/A	N/A	N/A
	35	95	1.000	1.000	0.993	0.984	0.976	0.966	N/A	N/A	N/A	N/A	N/A
	40	104	0.999	0.989	0.981	0.972	0.957	0.940	N/A	N/A	N/A	N/A	N/A
	45	113	0.986	0.977	0.966	0.949	0.932	0.915	N/A	N/A	N/A	N/A	N/A
	50	122	0.974	0.959	0.941	0.924	0.907	0.890	N/A	N/A	N/A	N/A	N/A
	55	131	0.953	0.934	0.916	0.899	0.882	0.865	N/A	N/A	N/A	N/A	N/A

Model: 3250REOZD, 60 Hz, Six Turbocharger Design

Altitude: Maximum site altitude of 3000 m (9842 ft.).

Temperature: Maximum ambient temperature of 55°C (131°F).

		Altitude										
		m	300	600	900	1200	1500	1800	2100	2400	2700	3000
		ft	984	1969	2953	3937	4921	5906	6890	7874	8858	9843
		C	F									
Intake Air Temperature	0	32	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	5	41	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.858
	10	50	1.000	1.000	1.000	1.000	1.000	1.000	0.942	0.910	0.879	0.849
	15	59	1.000	1.000	1.000	1.000	0.998	0.964	0.931	0.899	0.869	0.839
	20	68	1.000	1.000	1.000	1.000	0.986	0.952	0.920	0.888	0.857	0.828
	25	77	1.000	1.000	1.000	0.993	0.975	0.941	0.908	0.877	0.846	0.816
	30	86	1.000	1.000	0.991	0.979	0.963	0.930	0.897	0.865	0.834	0.805
	35	95	1.000	0.989	0.977	0.964	0.952	0.918	0.885	0.854	0.823	0.793
	40	104	0.989	0.975	0.963	0.950	0.938	0.907	0.874	0.842	0.811	0.782
	45	113	0.974	0.961	0.948	0.936	0.936	0.895	0.863	0.831	0.800	0.770
	50	122	0.960	0.947	0.934	0.922	0.901	0.867	0.834	0.801	0.770	0.740
	55	131	0.946	0.933	0.920	0.895	0.860	0.826	0.792	0.760	0.729	0.699

Model: 3250REOZD, 50 Hz, Two Turbocharger Design

Altitude: Maximum site altitude of 3000 m (9842 ft.).

Temperature: See table for temperature derate.

		Altitude										
		m	300	600	900	1200	1500	1800	2100	2400	2700	3000
		ft	984	1969	2953	3937	4921	5906	6890	7874	8858	9843
		C	F									
Intake Air Temperature	0	32	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	5	41	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	10	50	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	15	59	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.998	0.979	0.960
	20	68	1.000	1.000	1.000	1.000	1.000	1.000	0.990	0.970	0.951	0.932
	25	77	1.000	1.000	1.000	1.000	1.000	0.983	0.962	0.942	0.922	0.904
	30	86	1.000	1.000	1.000	0.998	0.976	0.955	0.934	0.914	0.894	0.875
	35	95	1.000	1.000	0.993	0.970	0.948	0.926	0.906	0.886	0.866	0.845
	40	104	1.000	0.988	0.965	0.942	0.920	0.898	0.878	0.857	0.828	0.794
	45	113	0.984	0.960	0.936	0.913	0.891	0.870	0.849	0.813	0.778	0.744
	50	122	0.955	0.931	0.908	0.885	0.863	0.836	0.799	0.762	0.727	0.693
55	131	0.927	0.903	0.880	0.857	0.824	0.785	0.748	0.711	0.676	0.642	

Model: 3250REOZD, 50 Hz, Six Turbocharger Design

Altitude: Maximum site altitude of 3000 m (9842 ft.).

Temperature: Maximum ambient temperature of 55°C (131°F).

		Altitude										
		m	300	600	900	1200	1500	1800	2100	2400	2700	3000
		ft	984	1969	2953	3937	4921	5906	6890	7874	8858	9843
		C	F									
Intake Air Temperature	0	32	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	5	41	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	10	50	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	15	59	1.000	1.000	1.000	1.000	0.997	0.978	0.822	0.739	0.706	0.688
	20	68	1.000	1.000	1.000	0.961	0.870	0.781	0.714	0.695	0.676	0.658
	25	77	1.000	1.000	0.929	0.834	0.743	0.705	0.685	0.666	0.642	0.592
	30	86	0.998	0.898	0.802	0.717	0.696	0.676	0.656	0.613	0.561	0.510
	35	95	0.871	0.772	0.710	0.688	0.667	0.640	0.585	0.531	0.479	0.429
	40	104	0.825	0.724	0.681	0.659	0.635	0.604	0.514	0.450	0.398	0.348
	45	113	0.774	0.680	0.652	0.630	0.603	0.568	0.443	0.369	0.317	0.267
	50	122	0.682	0.649	0.623	0.601	0.571	0.532	0.372	0.288	0.236	0.186
55	131	0.648	0.633	0.594	0.572	0.539	0.496	0.301	0.207	0.155	0.105	

REOZM/REOZMB Mitsubishi-Powered Models

Model: 600-900REOZM and 600-900REOZMB

Altitude: Derate 1.0% per 100 m (328 ft.) elevation above 1000 m (3279 ft.).

Temperature: Derate 5.0% per 10°C (18°F) temperature above 40°C (104°F).

	Altitude											
		m	300	600	900	1200	1500	1800	2100	2400	2700	3000
		ft	984	1969	2953	3937	4921	5906	6890	7874	8858	9843
	C	F										
Intake Air Temperature	0	32	1.000	1.000	1.000	0.980	0.950	0.920	0.890	0.860	0.830	0.800
	5	41	1.000	1.000	1.000	0.980	0.950	0.920	0.890	0.860	0.830	0.800
	10	50	1.000	1.000	1.000	0.980	0.950	0.920	0.890	0.860	0.830	0.800
	15	59	1.000	1.000	1.000	0.980	0.950	0.920	0.890	0.860	0.830	0.800
	20	68	1.000	1.000	1.000	0.980	0.950	0.920	0.890	0.860	0.830	0.800
	25	77	1.000	1.000	1.000	0.980	0.950	0.920	0.890	0.860	0.830	0.800
	30	86	1.000	1.000	1.000	0.980	0.950	0.920	0.890	0.860	0.830	0.800
	35	95	1.000	1.000	1.000	0.980	0.950	0.920	0.890	0.860	0.830	0.800
	40	104	1.000	1.000	1.000	0.980	0.950	0.920	0.890	0.860	0.830	0.800
	45	113	0.975	0.975	0.975	0.956	0.926	0.897	0.868	0.839	0.809	0.780
	50	122	0.950	0.950	0.950	0.931	0.903	0.874	0.846	0.817	0.789	0.760
55	131	0.925	0.925	0.925	0.907	0.879	0.851	0.823	0.796	0.768	0.740	

Model: 1000-1600REOZM and 1000-1600REOZMB

Altitude: Derate 1.0% per 100 m (328 ft.) elevation above 1500 m (4921 ft.).

Temperature: Derate 4.0% per 10°C (18°F) temperature above 40°C (104°F).

	Altitude											
		m	300	600	900	1200	1500	1800	2100	2400	2700	3000
		ft	984	1969	2953	3937	4921	5906	6890	7874	8858	9843
	C	F										
Intake Air Temperature	0	32	1.000	1.000	1.000	1.000	1.000	0.970	0.940	0.910	0.880	0.850
	5	41	1.000	1.000	1.000	1.000	1.000	0.970	0.940	0.910	0.880	0.850
	10	50	1.000	1.000	1.000	1.000	1.000	0.970	0.940	0.910	0.880	0.850
	15	59	1.000	1.000	1.000	1.000	1.000	0.970	0.940	0.910	0.880	0.850
	20	68	1.000	1.000	1.000	1.000	1.000	0.970	0.940	0.910	0.880	0.850
	25	77	1.000	1.000	1.000	1.000	1.000	0.970	0.940	0.910	0.880	0.850
	30	86	1.000	1.000	1.000	1.000	1.000	0.970	0.940	0.910	0.880	0.850
	35	95	1.000	1.000	1.000	1.000	1.000	0.970	0.940	0.910	0.880	0.850
	40	104	1.000	1.000	1.000	1.000	1.000	0.970	0.940	0.910	0.880	0.850
	45	113	0.980	0.980	0.980	0.980	0.980	0.951	0.921	0.892	0.862	0.833
	50	122	0.960	0.960	0.960	0.960	0.960	0.931	0.902	0.874	0.845	0.816
55	131	0.940	0.940	0.940	0.940	0.940	0.912	0.884	0.855	0.827	0.799	

Model: 1820REOZM

Altitude: Derate 0.8% per 100 m (328 ft.) elevation above 1500 m (4921 ft.).

Temperature: Derate 11.5% per 10°C (18°F) temperature above 45°C (113°F) up to a maximum temperature of 55°C (131°F).

	Altitude											
	m	300	600	900	1200	1500	1800	2100	2400	2700	3000	
	ft	984	1969	2953	3937	4921	5906	6890	7874	8858	9843	
	C	F										
Intake Air Temperature	0	32	1.000	1.000	1.000	1.000	1.000	0.975	0.950	0.925	0.900	0.875
	5	41	1.000	1.000	1.000	1.000	1.000	0.975	0.950	0.925	0.900	0.875
	10	50	1.000	1.000	1.000	1.000	1.000	0.975	0.950	0.925	0.900	0.875
	15	59	1.000	1.000	1.000	1.000	1.000	0.975	0.950	0.925	0.900	0.875
	20	68	1.000	1.000	1.000	1.000	1.000	0.975	0.950	0.925	0.900	0.875
	25	77	1.000	1.000	1.000	1.000	1.000	0.975	0.950	0.925	0.900	0.875
	30	86	1.000	1.000	1.000	1.000	1.000	0.975	0.950	0.925	0.900	0.875
	35	95	1.000	1.000	1.000	1.000	1.000	0.975	0.950	0.925	0.900	0.875
	40	104	1.000	1.000	1.000	1.000	1.000	0.975	0.950	0.925	0.900	0.875
	45	113	1.000	1.000	1.000	1.000	1.000	0.975	0.950	0.925	0.900	0.875
	50	122	0.943	0.943	0.943	0.943	0.943	0.919	0.895	0.872	0.848	0.825
	55	131	0.885	0.885	0.885	0.885	0.885	0.863	0.841	0.819	0.797	0.774

Model: 2000REOZM and 1750/2000REOZMB

Altitude: Derate 0.8% per 100 m (328 ft.) elevation above 1500 m (4921 ft.).

Temperature: Derate 11.5% per 10°C (18°F) temperature above 40°C (104°F) up to a maximum temperature of 55°C (131°F).

	Altitude											
	m	300	600	900	1200	1500	1800	2100	2400	2700	3000	
	ft	984	1969	2953	3937	4921	5906	6890	7874	8858	9843	
	C	F										
Intake Air Temperature	0	32	1.000	1.000	1.000	1.000	1.000	0.975	0.950	0.925	0.900	0.875
	5	41	1.000	1.000	1.000	1.000	1.000	0.975	0.950	0.925	0.900	0.875
	10	50	1.000	1.000	1.000	1.000	1.000	0.975	0.950	0.925	0.900	0.875
	15	59	1.000	1.000	1.000	1.000	1.000	0.975	0.950	0.925	0.900	0.875
	20	68	1.000	1.000	1.000	1.000	1.000	0.975	0.950	0.925	0.900	0.875
	25	77	1.000	1.000	1.000	1.000	1.000	0.975	0.950	0.925	0.900	0.875
	30	86	1.000	1.000	1.000	1.000	1.000	0.975	0.950	0.925	0.900	0.875
	35	95	1.000	1.000	1.000	1.000	1.000	0.975	0.950	0.925	0.900	0.875
	40	104	1.000	1.000	1.000	1.000	1.000	0.975	0.950	0.925	0.900	0.875
	45	113	0.943	0.943	0.943	0.943	0.943	0.919	0.895	0.872	0.848	0.825
	50	122	0.885	0.885	0.885	0.885	0.885	0.863	0.841	0.819	0.797	0.774
	55	131	0.828	0.828	0.828	0.828	0.828	0.807	0.786	0.765	0.745	0.724

REOZT Towable Models

Model: 20REOZT

Altitude: Derate 1.3% per 100 m (328 ft.) elevation above 100 m (328 ft.).

Temperature: Derate 3.7% per 10°C (18°F) temperature above 25°C (77°F).

		Altitude									
	m	300	600	900	1200	1500	1800	2100	2400	2700	3000
	ft	984	1969	2953	3937	4921	5906	6890	7874	8858	9843
C	F										
0	32	0.973	0.933	0.893	0.853	0.813	0.773	0.733	0.693	0.653	0.613
5	41	0.973	0.933	0.893	0.853	0.813	0.773	0.733	0.693	0.653	0.613
10	50	0.973	0.933	0.893	0.853	0.813	0.773	0.733	0.693	0.653	0.613
15	59	0.973	0.933	0.893	0.853	0.813	0.773	0.733	0.693	0.653	0.613
20	68	0.973	0.933	0.893	0.853	0.813	0.773	0.733	0.693	0.653	0.613
25	77	0.973	0.933	0.893	0.853	0.813	0.773	0.733	0.693	0.653	0.613
30	86	0.955	0.916	0.877	0.838	0.798	0.759	0.720	0.681	0.641	0.602
35	95	0.937	0.899	0.860	0.822	0.783	0.745	0.706	0.668	0.629	0.591
40	104	0.919	0.882	0.844	0.806	0.768	0.730	0.693	0.655	0.617	0.579
45	113	0.901	0.864	0.827	0.790	0.753	0.716	0.679	0.642	0.605	0.568
50	122	0.883	0.847	0.811	0.774	0.738	0.702	0.666	0.629	0.593	0.557
55	131	0.865	0.830	0.794	0.759	0.723	0.687	0.652	0.616	0.581	0.545

Model: 40REOZT

Altitude: Derate 1.0% per 100 m (328 ft.) elevation above 100 m (328 ft.).

Temperature: Derate 7.2% per 10°C (18°F) temperature above 25°C (77°F).

		Altitude, m (ft.)										
	m	300	600	900	1200	1500	1800	2100	2400	2700	3000	
	ft	984	1969	2953	3937	4921	5906	6890	7874	8858	9843	
C	F											
Intake Air Temperature	0	32	0.980	0.950	0.920	0.890	0.860	0.830	0.800	0.770	0.740	0.710
	5	41	0.980	0.950	0.920	0.890	0.860	0.830	0.800	0.770	0.740	0.710
	10	50	0.980	0.950	0.920	0.890	0.860	0.830	0.800	0.770	0.740	0.710
	15	59	0.980	0.950	0.920	0.890	0.860	0.830	0.800	0.770	0.740	0.710
	20	68	0.980	0.950	0.920	0.890	0.860	0.830	0.800	0.770	0.740	0.710
	25	77	0.980	0.950	0.920	0.890	0.860	0.830	0.800	0.770	0.740	0.710
	30	86	0.945	0.916	0.887	0.858	0.829	0.800	0.771	0.742	0.713	0.684
	35	95	0.909	0.882	0.854	0.826	0.798	0.770	0.742	0.715	0.687	0.659
	40	104	0.874	0.847	0.821	0.794	0.767	0.740	0.714	0.687	0.660	0.633
	45	113	0.839	0.813	0.788	0.762	0.736	0.710	0.685	0.659	0.633	0.608
	50	122	0.804	0.779	0.754	0.730	0.705	0.681	0.656	0.631	0.607	0.582
55	131	0.768	0.745	0.721	0.698	0.674	0.651	0.627	0.604	0.580	0.557	

Model: 60-200REOZT

Altitude: Derate 1.3% per 100 m (328 ft.) elevation above 3000 m (984 ft.).

Temperature: Derate 0.9% per 10°C (18°F) temperature above 25°C (77°F).

		Altitude, m (ft.)										
		m	300	600	900	1200	1500	1800	2100	2400	2700	3000
		ft	984	1969	2953	3937	4921	5906	6890	7874	8858	9843
		C	F									
Intake Air Temperature	0	32	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	5	41	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	10	50	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	15	59	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	20	68	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	25	77	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	30	86	0.996	0.996	0.996	0.996	0.996	0.996	0.996	0.996	0.996	0.996
	35	95	0.991	0.991	0.991	0.991	0.991	0.991	0.991	0.991	0.991	0.991
	40	104	0.987	0.987	0.987	0.987	0.987	0.987	0.987	0.987	0.987	0.987
	45	113	0.982	0.982	0.982	0.982	0.982	0.982	0.982	0.982	0.982	0.982
	50	122	0.978	0.978	0.978	0.978	0.978	0.978	0.978	0.978	0.978	0.978
	55	131	0.973	0.973	0.973	0.973	0.973	0.973	0.973	0.973	0.973	0.973

Model: 275REOZT

Altitude: Derate 1.3% per 100 m (328 ft.) elevation above 1500 m (4921 ft.).

Temperature: Derate 0.9% per 10°C (18°F) temperature above 25°C (77°F).

		Altitude, m (ft.)										
		m	300	600	900	1200	1500	1800	2100	2400	2700	3000
		ft	984	1969	2953	3937	4921	5906	6890	7874	8858	9843
		C	F									
Intake Air Temperature	0	32	1.000	1.000	1.000	1.000	1.000	0.960	0.920	0.880	0.840	0.800
	5	41	1.000	1.000	1.000	1.000	1.000	0.960	0.920	0.880	0.840	0.800
	10	50	1.000	1.000	1.000	1.000	1.000	0.960	0.920	0.880	0.840	0.800
	15	59	1.000	1.000	1.000	1.000	1.000	0.960	0.920	0.880	0.840	0.800
	20	68	1.000	1.000	1.000	1.000	1.000	0.960	0.920	0.880	0.840	0.800
	25	77	1.000	1.000	1.000	1.000	1.000	0.960	0.920	0.880	0.840	0.800
	30	86	0.996	0.996	0.996	0.996	0.996	0.956	0.916	0.876	0.836	0.796
	35	95	0.991	0.991	0.991	0.991	0.991	0.951	0.912	0.872	0.832	0.793
	40	104	0.987	0.987	0.987	0.987	0.987	0.947	0.908	0.868	0.829	0.789
	45	113	0.982	0.982	0.982	0.982	0.982	0.943	0.903	0.864	0.825	0.786
	50	122	0.978	0.978	0.978	0.978	0.978	0.938	0.899	0.860	0.821	0.782
	55	131	0.973	0.973	0.973	0.973	0.973	0.934	0.895	0.856	0.817	0.778

Model: 500REOZT

Altitude: Derate 0.9% per 100 m (328 ft.) elevation above 1500 m (4921 ft.).

Temperature: See table for temperature derate.

		Altitude, m (ft.)										
		m	300	600	900	1200	1500	1800	2100	2400	2700	3000
		ft	984	1969	2953	3937	4921	5906	6890	7874	8858	9843
		C	F									
Intake Air Temperature	0	32	1.000	1.000	1.000	1.000	1.000	0.972	0.945	0.917	0.890	0.862
	5	41	1.000	1.000	1.000	1.000	1.000	0.972	0.945	0.917	0.890	0.862
	10	50	1.000	1.000	1.000	1.000	1.000	0.972	0.945	0.917	0.890	0.862
	15	59	1.000	1.000	1.000	1.000	1.000	0.972	0.945	0.917	0.890	0.862
	20	68	1.000	1.000	1.000	1.000	1.000	0.972	0.945	0.917	0.890	0.862
	25	77	1.000	1.000	1.000	1.000	1.000	0.972	0.945	0.917	0.890	0.862
	30	86	1.000	1.000	1.000	1.000	1.000	0.972	0.945	0.917	0.890	0.862
	35	95	1.000	1.000	1.000	1.000	1.000	0.972	0.945	0.917	0.890	0.862
	40	104	1.000	1.000	1.000	1.000	1.000	0.972	0.945	0.917	0.890	0.862
	45	113	1.000	1.000	1.000	1.000	1.000	0.972	0.945	0.917	0.890	0.862
	50	122	1.000	1.000	1.000	1.000	1.000	0.972	0.945	0.917	0.890	0.862
	55	131	1.000	1.000	1.000	1.000	1.000	0.972	0.945	0.917	0.890	0.862

