SPORTSART ECO-POWR™ EQUIPMENT | Contribution to LEED Certification

G510 INDOOR CYCLE

WEIGHT	141 lbs/64 kg
DIMENSIONS	137x64x123 cm
FLYWHEEL WEIGHT	44 lbs/20 kg
MAX WEIGHT OF USER	350 lbs/158.8 kg

G545U UPRIGHT CYCLE

WEIGHT	126 lbs/57 kg
DIMENSIONS	121x59x141 cm
RESISTANCE	40 Levels
MAX WEIGHT OF USER	450 lbs/205 kg

G575U UPRIGHT CYCLE

WEIGHT	161 lbs/73 kg
DIMENSIONS	118x59x141 cm
RESISTANCE	40 Levels
MAX WEIGHT OF USER	500 lbs/226.8 kg

G875 ELLIPTICAL

WEIGHT	360 lbs/164 kg
DIMENSIONS	221x71x175 cm
RESISTANCE	40 Levels
STRIDE LENGTH	43.2x74 cm
MAX WEIGHT OF USER	500 lbs/226.8 kg

G545R RECUMBENT CYCLE

WEIGHT	172 lbs/78 kg
DIMENSIONS	69x66x133 cm
RESISTANCE	40 Levels
MAX WEIGHT OF USER	450 lbs/205 kg

G575R RECUMBENT CYCLE

WEIGHT	232 lbs/105 kg
DIMENSIONS	184x66x136 cm
RESISTANCE	40 Levels
MAX WEIGHT OF USER	500 lbs/226.8 kg

G845 ELLIPTICAL

WEIGHT	290 lbs/132 kg
DIMENSIONS	203x79x173 cm
RESISTANCE	40 Levels
STRIDE LENGTH	17-9 in/43.2x73.7 cm
MAX WEIGHT OF USER	450 lbs/205 kg

TYPE OF PRODUCTS

Exercise machine with energy recovery system ECO-POWR™

The SportsArt exercise machines marketed by SportMaster incorporate Eco-innovation in their products, a unique design with an excellent manufacturing process. SportsArt is an established industry leader that has consistently innovated the industry standards for over 38 years, positioning itself as one of the most creative companies of exercise equipment, professionally and domestically.

SportsArt fabricates, designs and tests all their equipment under TÜV ISO 9001's rigorous standards of quality, TÜV ISO 14001's environmental requirements, and ISO 13485's certificate for quality management of systems. SportsArt products are also CE and ETL-C approved. SportsArt exercise equipment marketed by SportMaster also contain ECO-POWR™ technology, which takes advantage of using the user's energy, which is reincorporated into the network as electric energy.

Once the user begins to workout, energy is generated and integrated into the electric network to compensate the consumption in other areas of the installment. In one hour, 10 machines with ECO-POWR™ technology can generate up to 2,000 watts.

SportsArt
THE GREEN FITNESS COMPANY

LEED CERTIFICATION CREDIT INDEX

ENERGY & ATMOSPHERE | INNOVATION | INDOOR AIR QUALITY | LOCATION & TRANSPORT | MATERIALS & RESOURCES | REGIONAL PRIORITY | SUSTAINABLE SITES | WATER EFFICIENCY

NOTES: This index was produced to provide the product's contribution or product system for projects looking for LEED Certification, based on the v.3 2009, updated on June 2010. Credits are earned in its entirety from project materials. The supportive information is for reference. Request necessary documents for your project from Management.

NC	New Construction	CI	Commercial Interiors	S	Schools	R-ID	Retail Interiors Design	CS	Core & Shell	HC	Healthcare	EBOM	Existing Building Operations and Maintenance	R-NC	Retail New Construction

U.S. GREEN BUILDING COUNCIL USGBC

ENERGY AND ATMOSPHERE

MINIMUM ENERGY EFFICIENCY

NC	CS	SCH	CI	R-NC	R-CI	HC
EAP2*	EAP2*	EAP2*	EAP2*	EAP2*	EAP2*	EAP2*

**Required*

OPTIMIZATION OF ENERGY EFFICIENCY

NC	CS	SCH	R-NC	HC
EAC1	EAC1	EAC1	EAC1	EAC1
1-19 PTS	1-21 PTS	1-19 PTS	1-19 PTS	1-24 PTS

The SportsArt exercise machines marketed by SportMaster, due to its incorporation of ECO-POWR™ technology, provides the building optimization of energy efficiency by reducing the use of energy loads, recovering energy through the use of the equipment to be reincorporated to the system. This contribution to the building optimization of energy, is possible only when included in Energy simulation, within the 25% load of process required by the default regulations mentioned before, show a reduction of this load influencing the design building's general behavior of energy and a better in respect to the building's foundation. This process load reduction, should be documented using an exceptional calculation method in G2.5 of the Standard 90.1 of ASRAE-2007. For Interior Commercial projects, the estimate is made using the Section 11 - Energy Cost Budget Method.

Thanks to the ECO-POWR™ technology, across generated energy by the machine function through an incorporation generator, a rectifier is sent that will convert and can be connected into the system to be used by other equipment or reconnected to the electric grid, in agreement with the requirements of Law 20.571, also known as Net-billing, Net-metering or Distributed Generation, which give the users the right to sell any excess directly to an Electric Distributer at a regulated rate, which is public on every Distributor's website.

The SportsArt exercise machines do not contribute on their own to the prerequisite and credit compliance, its contribution should evaluated by means of pretense and an analysis of illumination and energy, and it's installation should be complimented with other equipments, specialties and strategies of adequate energy efficiencies. Refer to ASRAE 90.1-2007 and the LEED Reference Guide for more information and additional requirement according to each System of Certification. To be considered an automated devise, these systems should be controlled by a building central management system (centralized control, BMS, automation).

50% (New Constructions) or 46% (Large Renovations) for IDc1

Only for Option 1, Energy Simulation, if the project reaches a 50% of Energy Optimization for new constructions or 46% for large renovations, gives the ability to opt for an extra point for exemplary practice (EP) depending on the decision of the project manager. What the SportsArt exercise machines supplied by SportMaster can provide does not guarantee obtaining a point but it can contribute to obtaining it in conjunction to other strategies and materials, depending on the project.

MINIMUM PERFORMANCE OF ENERGY EFFICIENCY

EBOM
EAP2*
**Required*

ENERGY EFFICIENCY OPTIMIZATION

EBOM
EAC1
1-18 PTS.

The SportsArt exercise machines marketed by SportMaster, contribute to the optimization of the building's Energy Efficiency allowing it to not only reduce energy usage through more efficient machines but generating it in a way that the reduction will continue increasing.

Eligible projects able to opt in to Energy Star® Rating and those ineligible, should monitor their energy consumption throughout 12 continuous months through EPA's Energy Star® Portfolio Manager. For more information, review the LEED Reference Guide that corresponds to this Rating System.

**For Existing Buildings, LEED® requires the energy evaluation to be done through Energy Star® Portfolio Manager.*

Ineligible Energy Star® Rating (Case 2.) Projects should compare with the national building measure using the same platform.

In both cases, measures and strategies to improve the building energy efficiency can be implemented to increase the credit point. At least 12 months (performance period) of Energy Consumption measurement is required in which the project should count on having measuring systems and devices calibrated and installed according to the manufacturer's and/or supplier's recommendations. An Energy Audit should be conducted according to the requirements by EA p2 and the improvements implemented should be commissioned according to what's established in EA c1 and in agreement to EA c2(2.1,2.2 and 2.3). The LEED System of Certification Reference Guide should be used for further details.

Performance rating of 97 for Eligible Energy Star® Buildings using Portfolio Manager (Case 1) and 47% over the national average for Ineligible Energy Star® Rating Projects (Case 2) for 10c1.

It will depend on Project Eligibility (Case 1) or not (Case 2) for Energy Star® Rating. If the project reaches an Energy Star® index of 97 or more (Case 1) or a good 47% or more of Energy Optimization with respect to the National Average. The contribution SportArt exercise machines marketed by SportMaster does not assure obtaining a point but it can assist in conjunction with of energy efficiency strategies, depending on the project.

MOTIVES AND REQUIREMENTS OF THE CREDITS

In all the cases, the energy consumption of the building has to be measured continuously for at least 12 months and maximum 14 months (performance period) and must be entered in the energy star® portfolio manager of the EPA besides conducting the energy audit to establish what improvements need to be implemented to improve the efficiency of the building. For more information, visit LEED® reference guide for existing buildings operation and maintenance.

ENERGY AND ATMOSPHERE

MINIMUM ENERGY EFFICIENCY

INTENTION

To establish a minimum level of Energy Efficiency for the proposed building and associated systems, in a way to reduce economic and environmental impacts associated with the overuse of Energy.

REQUIREMENTS

Demonstrate a better Building Energy Performance in 10% of new buildings, or a 5% for large renovations in existing buildings, compared with a foundation case. Calculate the base line of the building according to the present method in Appendix G of the standard ANSI/ASHRAE/IESNA 90.1-2007, developing a computer simulation model.

Achieve all mandatory provisions (sections 5.4, 6.4, 7.4, 8.4, 9.4 and 10.4) of the standard ANSI/ASHRAE/IESNA 90.1-2007. Include all energy costs associated with the project.

CI AND CI RETAIL REQUIREMENTS

Two alternative achievements exist, for both, its an obligation to achieve mandatory provisions of ASHRAE 90.1-2007 (sections 5.4, 6.4, 7.4, 8.4, 9.4 and 10.4)

OPTION 1 - Perspective Achieve prescriptive options of the same standards (sections 5.5, 6.5, 7.5, 9.5), demonstrate a 10% reduction in installed power density and demonstrate that a 50% of the equipment's (those that qualify) nominal power is Energy Star®.

HVAC equipment and devices should be excluded, surrounding systems and illumination. Projects outside the USA can use a local equivalent.

OPTION 2 - Performance Develop a computational model that shows achievement with Section 11 of ASHRAE 90.1-2007.

REQUIREMENTS EBOM

CASE 1 | Projects eligible for Energy Star® certification

Have to follow OPTION 1, those buildings eligible to receive a score of energy performance using EPA'S Energy Star® Portfolio Manager and who have obtained an index of less than 69. Should also have in place devices and systems for energy measurement installed and calibrated according to the recommendations of the maker and/or providers.

CASE 2 | Projects not eligible for Energy Star® certification
(Comply with the following options)

OPTION 1 Demonstrate an energy efficiency percentage of at least 19% better than the average for buildings of similar characteristics

OPTION 2 Use the "Option B&C Calculator" from USGBC, using the Energy Use Intensity (EUI) generated by the Energy Star® Portfolio Manager. Have in place devices and systems for energy measurement installed and calibrated according to the recommendations of the maker and/or providers. Implement strategies and measures that will contribute to improve the energy performance of the Building, previous to this, an energy audit has to be conducted to establish what improvements need to be implemented to improve the efficiency of the Building.

In all the cases, the energy consumption of the Building has to be measured continuously for at least 12 months and maximum 14 months (performance period) and must be entered in the Energy Star® Portfolio Manager of the EPA besides conducting the energy audit to establish what improvements need to be implemented to improve the efficiency of the Building.

ENERGY EFFICIENCY OPTIMIZATION

INTENTION

Achieve larger energy efficiency levels above what's indicated in the Prerequisite 1, to reduce the environmental and financial impact associated with excessive use of energy.

REQUIREMENTS

OPTION 1 Complete Energy Simulation of the Building. (1-19 points for NC and Schools, 3-21 points for C&S). Demonstrate a percentage of improvement in the proposed building compared to the base building, the base building must be calculated by the Appendix G of the ANSI/ASHRAE/IESNA Standard 90.1- 2007 (with errors without amendments) using simulation software for the whole building, including all the cost involved and associated to the project and achieve the obligatory provisions (Sections 5.4, 6.4, 7.4, 8.4, 9.4 y 10.4) in the Standard 90.1-2002.

OPTION 2 Complete Prescriptive Compliance ASHRAE Advanced Energy Design Guide. For NC and C&S one must obey the prescriptive conditions of ASHRAE Advanced Energy Design Guide appropriated for the project. All the project teams must obey the criteria applicable and indicated for the climate zone.

OPTION 3 Complete Prescriptive Compliance ASHRAE Advance Energy Design Guide for Schools. Comply with all the prescriptive measures identified in the advanced design guide for K-12 for climate zones in which the building might be located.

EBOM REQUIREMENTS

CASE 1 | Projects eligible for Energy Star® certification

Buildings eligible to receive a score of energy performance using EPA's Energy Star® Portfolio Manager and have obtained an index of at least 71 for one point and a maximum of 95 for 18 points must follow Option 1. Must also have in place devices and systems for energy measurement installed and calibrated according to the recommendations of the maker and/or providers.

CASE 2 | Projects not eligible for Energy Star® certification
(Comply with the following options)

OPTION 1 Demonstrate an energy efficiency percentage of at least 21% better than the average for buildings types with similar characteristics.

OPTION 2 Use the "Option B&C Calculator" from USGBC, utilizing the Energy Use Intensity (EUI) generated by the Energy Star® Portfolio Manager. Have in place devices and systems for energy measurement installed and calibrated according to the recommendations of the maker and/or providers. Implement strategies y measures that will contribute to improve the energy performance of the Building, previous to this, an energy audit has to be conducted to establish what improvements need to be implemented to improve the efficiency of the Building.

INNOVATION

/IDC1: DESIGN INNOVATION

INTENTION

Provide to all the design teams and projects the opportunity to achieve an exemplary performance above the established requirements of LEED and/or an innovative performance in the green building categories not specified by the LEED certification system.

REQUIREMENTS

LEED certification grants Innovation & Design credits by 3 options. One of them (option 2) is achieved when the credit requirement is exceeded that is considered an exemplary performance (EP=Exemplary Performance). The project team can option a maximum of 3 points for EP with this option in the project totality.

/IOC1: INNOVATIVE OPERATION

INTENTION

Provide the operation, maintenance and building improvement teams of the building the opportunity to achieve additional environmental benefits beyond the ones established by Existing Buildings: Operations & Maintenance Rating System.

REQUIREMENTS

LEED certification grants Innovative Operation credits by 3 options. One of them (option 2) is achieved when the credit requirement is exceeded that is considered an exemplary performance (EP=Exemplary Performance). The project team can option a maximum of 3 points for EP with this option in the project totality.