

Mechanical and Electrical Specification

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| Main Feeder | Energize high voltage 24 kilovolts 3 feeders (Power distribution through meter 4,500 amps 2,400 volts/ feeder) By Metropolitan Electricity Authority |
| Electrical | Dry-type transformers: 36,600 kilovolt-amps and 1 set of 630 kilovolt-amps of standby-type generator (Total of 2,930 kilovolt-amps), Supply 30% or light illuminance |
| Distribution Board | Total electrical load for exhibition booth is 13,000 amps 3 phases |
| Floor Pit IMPACT Challenger Hall 1-3 IMPACT Challenger Hall 1 | 4,284 Floor Pits Total. Every 4 units is at 6.00 x 9.00 meters on the grid, allowing direct access to typical booth layout 1,118 units. 15 amps 1 phase 688 units. 30 amps 1 phase 344 units. 30 amps 3 phases 93 units. 60 amps 3 phases 93 units. 100 amps 3 phases 34 units. 200 amps 3 phases 34 units. 400 amps 3 phases |
| IMPACT Challenger Hall 2 | 1,118 units. 15 amps 1 Phase 688 units. 30 amps 1 phase 344 units. 30 amps 3 phases 93 units. 60 amps 3 phases 93 units. 100 amps 3 phases 33 units. 200 amps 3 phases 33 units. 400 amps 3 phases |
| IMPACT Challenger Hall 3 | 1,118 units. 15 amps 1 phase 688 units. 30 amps 1 phase 344 units. 30 amps 3 phases 93 units. 60 amps 3 phases 93 units. 100 amps 3 phases 33 units. 200 amps 3 phases 33 units. 400 amps 3 phases |
| Air Condition System | Water-Cooled chilled water Air conditioning system with maximum cooling capacity 8,200 tons of refrigeration |
| Compressed Air | Available to all booths upon request - typical booth layout via booth pit |
| Water Supply | Cold water tank 2,200 cubic meters (maximum of 1-day standby) pressure 40-60 pounds Direct connection available to all booths (typical booth layout) |
| Drainage Point | Direct connection available to all booths (typical booth layout) |
| Lighting system | LED high bay 450 watts with 300 luxes and halogen 1,500 watts emergency. |
| Broadcasting and Communication | Cat5E cable with RJ-45 modular jack Connected to data/Voice equipment rack |