

## Selection Procedure for NQ Merchandised Panelboards

- Review maximum electrical system voltage, ampacity, and available fault current, and determine the type of panelboard that is desired (see tables [Table 9.1–Table 9.4](#)).
- Identify type (plug-on or bolt-on) and total quantity of branch circuit breaker poles and panel spaces required (see Digest sections 7 and 9 for catalog numbers).
- Select proper main lug interior (from [Main Circuit Breaker Interiors—Will accept plug-on and bolt-on circuit breakers](#), page 9-12 or [Table 9.7 NQ 14-inch-wide Main Lug Interiors](#), page 9-14) or:
  - Select main circuit breaker interior and main circuit breaker adapter kit (from [Main Circuit Breaker Interiors—Will accept plug-on and bolt-on circuit breakers](#), page 9-12 or [Table 9.8 Main Circuit Breaker Interiors—Accepts Plug-On and Bolt-On Branch Breakers](#), page 9-14), based upon the equivalent number of poles and ampere rating.

**NOTE:** Interiors include solid neutral and are field convertible to top-feed.

  - If a main circuit breaker interior was selected, select a vertical main circuit breaker (or fuse) from the PowerPacT H-, J-, L- Q-, or LA/LH frame pages in Section 7 of the Digest, or a QOB or QOB-VH back-fed main circuit breaker in Section 9 of the Digest.
- Select ground bars from tables [Table 9.9](#) or any non-standard neutral assemblies (i.e., 200% neutral for non-linear loads) from [Table 9.38](#).
  - Please note that an aluminum ground bar kit is included with NQ Panelboard Interiors.
- Select any required sub-feed circuit breakers, sub-feed lugs (SFL), or feed-through lugs (FTL) kits:
  - Subfeed circuit breaker (SFB), Sub-feed lugs (SFL) or feed-through lugs (FTL) kits: [Table 9.39](#) in the NQ Accessories sections.
  - For subfeed circuit breakers select a PowerPacT H-, J-, L-, or Q-frame circuit breaker from Section 7 of the Digest.
- Determine the total enclosure height required by adding requirements from interior, main circuit breaker, neutrals and ground bars, SFL, FTL, or sub-feed circuit breaker.
- Select enclosure from the tables [Table 9.5–Table 9.9](#), [Table 9.38–Table 9.42](#), [Table 9.24](#), and [Table 9.26](#).  
NEMA Type 1—select box and front (cover) catalog number corresponding to interior catalog number.  
NEMA Type 3R, 5, 12—select enclosure. Cover for Type 3R, 5, 12 is included with the enclosure.
- Select the branch circuit breakers to be installed in the panel.  
For NQ panelboards use QO (VH) or QH circuit breakers from Section 7 of the Digest, QOB(VH), or QHB circuit breakers from Section 9 of the Digest.
- Select options and accessories from tables [Table 9.7–Table 9.44](#).  
**NOTE:** Additional NF and NQ options may be found in the [Supplemental and Obsolescence Digest](#), Section 4.

### NQ Merchandised Selection Example

208Y/120 Vac, 3Ø4W, 10 kA SCCR, 225 A, MLO, NEMA Type-1, surface-mount, bolt-on, branch circuit breakers, main sub-feed lugs

Branches	Table No.	Catalog Number	Spaces
(20) 20/1	<a href="#">Table 9.11</a>	(20) QOB120	20
two 40/2	<a href="#">Table 9.11</a>	two QOB240	4
two 30/3	<a href="#">Table 9.11</a>	two QOB330	6
			Total 30 spaces
			Min. Box Height
225 A MLO Interior	<a href="#">Table 9.5</a>	NQ430L2	32 inches
Enclosure (Box)	<a href="#">Table 9.5</a>	MH38	—
Front (Cover)	<a href="#">Table 9.5</a>	NC382S	—
Sub-feed Lugs	<a href="#">Table 9.39 and Table 9.40</a>	NQSFL2	6 inches
			Total 38 inches