

Generators

NHD High Frequency Generators

- 37.5, 40, 50, 65 and 80 kW power ratings
- 125 kVp or 150 kVp
- Manual or anatomical technique selection
- Automatic exposure control option
- Touch screen option



NHD 6500 operator's console



NHD 375 operator's console

Accurate

The advanced 100 kHz high frequency technology of NHD generators assures minimal patient exposure over a wide range of radiographic exams.

The optional Automatic Exposure Control (AEC) provides optimal imaging. This state-of-the-art feature provides built-in

circuitry to operate one or more ion chambers. With this economical option, you simply select the appropriate kVp for the desired view and press the exposure button. AEC automatically makes corrections for anatomical region, patient thickness and type. It



Optional touchscreen console

then terminates the exposure at the precise mAs required for consistent film density. Retakes are virtually eliminated.

For settings and controls right at your fingertips, an optional touchscreen console is available on NHD 4000 – 8000 generators to provide easy technique selection and customization.

| Specifications | | | | | | |
|--|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| Model | NHD 375 | NHD 500 | NHD 4000 | NHD 5000 | NHD 6500 | NHD 8000 |
| Constant potential kW power ratings | 37.5 | 50 | 40 | 50 | 65 | 80 |
| High Frequency | 100 kHz | 100 kHz | 100 kHz | 100 kHz | 100 kHz | 100 kHz |
| Radiographic kV range in 1 kV steps | 40 to 125 (see note 1) | 40 to 125 (see note 1) | 40 to 150 | 40 to 150 | 40 to 150 | 40 to 150 |
| mA range | 25 to 375 | 25 to 500 | 10 to 500 | 10 to 630 | 10 to 800 | 10 to 1000 |
| mAs range | 0.1 mAs to 420 mAs | 0.1 mAs to 600 mAs | 0.5 mAs to 630 mAs | 0.5 mAs to 1000 mAs | 0.5 mAs to 1000 mAs | 0.5 mAs to 1000 mAs |
| Exposure time range | 4 mS to 6 seconds | 4 mS to 6 seconds | 1 mS to 6.3 seconds | 1 mS to 6.3 seconds | 1 mS to 6.3 seconds | 1 mS to 6.3 seconds |
| Technique selection | kVp/mAs | kVp/mAs | kVp/mAs | kVp/mAs | kVp/mAs | kVp/mAs |
| | APR/Patient thickness | APR/Patient thickness | kVp/mA/Time | kVp/mA/Time | kVp/mA/Time | kVp/mA/Time |
| | APR/AEC (optional) | APR/AEC (optional) | APR/Patient Size | APR/Patient Size | APR/Patient Size | APR/Patient Size |
| | kVp with AEC (optional) | kVp with AEC (optional) | APR/AEC (optional) | APR/AEC (optional) | APR/AEC (optional) | APR/AEC (optional) |
| | | | kVp with AEC (optional) | kVp with AEC (optional) | kVp with AEC (optional) | kVp with AEC (optional) |
| Power requirements | | | | | | |
| Single phase | | | | | | |
| 230 V | ■ | | ■ | | | |
| Three phase | | | | | | |
| 400 V | | ■ | | | | |
| 480 V | | | | ■ | ■ | ■ |
| 5-year parts warranty | ■ | ■ | ■ | ■ | ■ | ■ |
| UL Classified | ■ | ■ | ■ | ■ | ■ | ■ |
| Options | | | | | | |
| Built-in Automatic Exposure Control (AEC) | ■ | ■ | ■ | ■ | ■ | ■ |
| Wall mounting kit for operator console | | | ■ | | | ■ |
| Floor pedestal mounting kit for operator console | ■ | ■ | ■ | ■ | ■ | ■ |
| High speed tube starter | | | | | | |
| 150 kV operation | ■ | ■ | standard | standard | standard | standard |
| Step-up transformer for 208 to 229 | ■ | | | ■ | | |
| VAC operation | | | 3 phase | | | |
| Touchscreen operator console | | | | ■ | ■ | ■ |

Notes: 1. If the 150 kV option is selected, the kV range will be 40 to 150



Bringing it all together
for your complete x-ray needs.

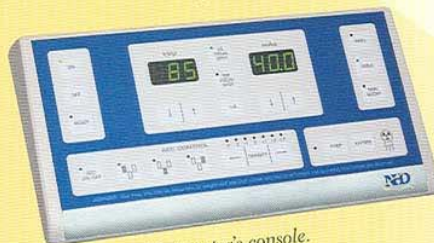
NATIONAL HEALTHCARE DISTRIBUTORS

NHD Radiographic Generators

NHD 300 Generator - 30 kW Power at an Affordable Price

Designed for clinical use, 20 kHz High Frequency technology delivers the benefits of reduced patient exposure, maximum diagnostic film quality and extended tube life. The operator friendly console provides fast 2-point technique selection. An optional anatomical programming mode offers consistent, effortless images by fast, automatic technique selection in three easy steps:

1. Select the anatomical region.
2. Select the radiographic view.
3. Select the patient centimeter thickness.



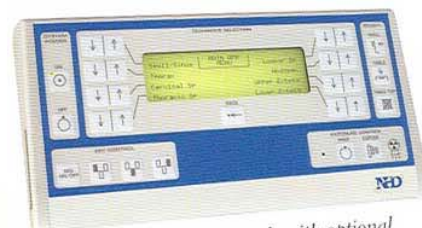
NHD 300 operator's console.

NHD 325s and 360s Generators: Simple and Versatile

These 60 Hz generators combine state-of-the-art electronic technology with simplicity. Suitable for a wide range of radiographic procedures, they deliver accuracy, safety and reliability as well as many user-friendly features.

Automatic Exposure Control Option

An optional Automatic Exposure Control (AEC) and receptor ionization chamber is available on all NHD generators. This state-of-the-art feature terminates the exposure automatically at the exact mAs necessary to obtain the optimal image.



NHD 300 operator's console with optional anatomical programming.



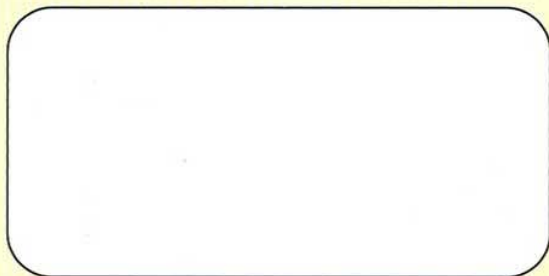
NHD 360s operator's console.



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The distributors that own NHD cover the United States with more than 100 distribution and service centers, a staff of more than 700 service technicians, and over 225 professional sales consultants and inside customer service representatives. NHD Shareholder companies average more than 30 years in business in the regions that they serve, maintaining an unparalleled reputation for local commitment to service. For more information visit the NHD web site at www.NHD.net.

| Specifications | NHD 300 | NHD 360s | NHD 325s |
|--|--|-------------------------------------|------------------------------------|
| Model | NHD 300 | NHD 360s | NHD 325s |
| Technology | 20 kHz/High Frequency | 60 Hz/Single Phase | 60 Hz/Single Phase |
| Maximum output | 300 mA@ 100 kVp | 360 mA@ 115 kVp / 300 mA@ 125 kVp | 300 mA@ 125 kVp |
| KVp range & selections | 40-125 / 1 kV steps | 40-125 / 64 selections | 40-125 / 64 selections |
| mA range & stations | 50s, 100s 150L, 200L, 250L, 300L | 24s, 48s, 120s, 240L, 300L, 360L | 50s, 100s 150L, 200L, 300L |
| mAs range | 0.5-400 | 0.2-600 | 0.4-600 |
| Exposure time range | 4 mS to 2.66 seconds 112 selections | 8 mS to 2 seconds 23 selections | 8 mS to 6 seconds 23 selections |
| Line voltages range single phase, 50/60Hz 100 amp rated minimum | 230-250 VAC | 208-277 VAC | 208-277 VAC |
| 5-year parts warranty | ■ | ■ | ■ |
| UL Classified | ■ | ■ | ■ |
| Options | | | |
| Anatomical programming | ■ | | |
| Automatic Exposure Control (AEC) | built-in | not built-in | not built-in |
| Step-up transformer for 208 to 229 V operation | ■ | | |



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