

## DXN Horsepower Ratings & Casing Improvement

### product improvement description



**Now CSA HP rated – Up to 10 hp, 600V, 60A**



**Improved Casings & Pawls – More Robust, Watertight and Dimensionally Stable**


Recent DXN Series improvements will significantly enhance sales possibilities for the product line. New horsepower ratings make DXN's an excellent solution for motor connections in hazardous environments, including those on portable or temporary equipment where in-line connections are desired.

DXN casings are now molded with a new Grilamid material that provides a more robust casing and better dimensional stability. Other improvements include a new pawl, gasket, and lid to further enhance the durability and watertightness. All these improvements are effective immediately and are compatible with existing devices.

### DXN HP Ratings



up to  
10 HP

DXN3	2234043
3P+E	
Umax 480V 60HZ	
I <sub>max</sub> 30A 5HP	
 <b>Meltric</b>	IP 66/67 38/14

Typical Device Label

**Note:** HP ratings are based on CSA certification.

Type	AMPS	VAC (Max) @ 60 Hz	Phases	HP Rating
DXN20	20	120V	1Ø	1/4 hp
DXN20	20	240V	1Ø	1/2 hp
DXN20	20	208V	3Ø	1 hp
DXN20	20	240V	3Ø	1 hp
DXN20	20	480V	3Ø	3 hp
DXN30	30	120V	1Ø	1/2 hp
DXN30	30	240V	1Ø	1.5 hp
DXN30	30	208V	3Ø	3 hp
DXN30	30	240V	3Ø	3 hp
DXN30	30	480V	3Ø	5 hp
DXN30	30	600V	3Ø	7.5 hp
DXN60	60	120V	1Ø	1 hp
DXN60	60	240V	1Ø	3 hp
DXN60	60	208V	3Ø	5 hp
DXN60	60	240V	3Ø	5 hp
DXN60	60	480V	3Ø	10 hp
DXN60	60	600V	3Ø	10 hp

Electrical codes specify the need for horsepower ratings on all components in a motor branch circuit. DXN's are now an even better choice for permanent or temporary motor connections in hazardous locations in part because they are newly horsepower-rated. With DXN's installed, motors can be safely and easily disconnected and reconnected. Additionally, providing power to portable pumps and other portable equipment is easier because DXN's can be configured for in-line, cord-to-cord connections.

**Note:** DXN's are not switch-rated and are not intended to be used in place of the code required disconnect switch. However, they are safe for circuit interrupting up to rated hp and amperage and thus provide effective protection if disconnected under load by mistake or in an emergency.

# DXN Horsepower Ratings & Casing Improvement

## DXN casing improvements



Advanced casing material is more robust and dimensionally stable.



New casing and gasket design offers improved watertightness and reduced insertion force.



Improved standard poly pawl is more durable and requires less force to operate.

## advantages of the new design

### Casing



- 1) The pawl is easier to operate because the rivet is located further from the red button which gives it a longer lever and requires less force to press.
- 2) The potential for pawl breakage is lower because the new design makes it nearly impossible for untrained operators to stick a screwdriver between the casing and the pawl in an attempt to pry the pawl up.
- 3) The new casing design eliminates the need for the gasket retaining ring. This also eliminates the crevices at the joint between the ring and casing where dirt and dust could accumulate on the old design.

*[Optional metal pawls are also available for abusive environments.]*

# DXN Horsepower Ratings & Casing Improvement

## advantages of the new design (cont.)

### Gasket & Lid



- 4) The new gasket has a specially developed shape which seals in a different manner allowing it to help reduce insertion force while also providing a more robust watertight seal. Watertightness is further enhanced by the outer return flange on the new lid, which extends beyond the end of the casing when the lid is closed, preventing driving rain or spray from directly contacting the seal.
- 5) The new design eliminates the need for the gasket retaining ring required with the older design. On rare occasions the plastic ring could crack. The new design prevents that problem.

## faq

### **How do I present the DXN Hp ratings to prospects?**

HP ratings make DXN's an excellent choice for permanent or temporary motor connections in hazardous locations. DXN's are CSA approved for circuit interrupting at rated hp and amperage and thus provide a high level of safety and protection if inadvertently disconnected under load.

### **How do the DXN hp ratings increase my opportunity for sales?**

Many prospects insist on using only horsepower rated devices in line with their motors as required by electrical codes. DXN's will now meet the criteria required by these prospects.

### **Can the DXN function as the local disconnect switch?**

DXN's are not switch-rated and thus are not intended to function as the local disconnect switch. A separate disconnect switch must be installed in the electrical system in order to meet code requirements.

### **Is the new design compatible with the older design?**

Yes, new devices will mate with old devices.

# DXN Horsepower Ratings & Casing Improvement

## faq (cont.)

### **Do the part numbers change?**

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Part numbers and pricing remain the same.

### **What models include the new design?**

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All DXN20, DXN30 and DXN60's shipped on or after December 1, 2014 will be horsepower rated and include the design updates.

### **Will the catalog be updated to include the new DXN horsepower ratings?**

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Yes, the print and online versions of the 2015 catalog will show the new horsepower ratings.

### **Are DXN's now UL listed?**

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DXN's are currently listed only with CSA. While the product line is not yet UL listed, the CSA certification applies to both Canadian and US standards and markets. Meltric will pursue UL certification for the DXN in the future, but at this point the timing is unknown.

