



Specifications for 4010 ANSI X12 830

SUMMARY

This transaction set is used to communicate from Danfoss Power Solutions either the Planned Requirements or Delivery Based Requirements to our suppliers.

Danfoss Power Solutions uses the ANSI X12 – 830 specification version 4010. This specification is included as well as examples.

Notes regarding 830 transmission from Danfoss Power Solutions

- All of the segments in the 830 are not illustrated, just the mandatory segments and the ones Danfoss Power Solutions uses. Refer to your EDI standards documentation for further information.
- If the BFR02 contains a “PR”, the 830 contains only Planned Requirements and there will be no Purchase Order Number. The firm requirements will be provided on an 850 EDI message.

Special Characters

Delimiters

Danfoss Power Solutions uses the asterisk (*) for the element separator, the tilde (~) for the segment terminator, and the colon (:) for the sub-element separator.

VAN Information - Value Added Network

Danfoss Power Solutions currently uses the IBM Sterling B2B Integration network, including interconnects to other networks and communication protocols.

Please contact srhelp@us.ibm.com or visit <http://www.ibm.com/support>.

ISA/GS Information

Test

ISA ID qualifier: **ZZ**
ISA ID: **DANFOSSPSTST**
GS ID: **DANFOSSPSTST**

Production

ISA ID qualifier: **ZZ**
ISA ID: **DANFOSSPS**
GS ID: **DANFOSSPS**

EDI Contact:

PS.EDI@Danfoss.com



Specifications for 4010 ANSI X12 830

830 Planning Schedule with Release Capability

Functional Group=PS

This Standard contains the format and establishes the data contents of the Planning Schedule Transaction Set (830) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide for customary and established business practice relative to the transfer of forecasting/material release information between organizations. The planning schedule transaction may be used in various ways or in a combination of ways, such as: (1) a simple forecast; (2) a forecast with the buyer's authorization for the seller to commit to resources, such as labor or material; (3) a forecast that is also used as an order release mechanism, containing such elements as resource authorizations, period-to-date cumulative quantities, and specific ship/delivery patterns for requirements that have been represented in "buckets," such as weekly, monthly, or quarterly. The order release forecast may also contain all data related to purchase orders, as required, because the order release capability eliminates the need for discrete generation of purchase orders.

BFR - Beginning Segment for Planning Schedule

| | | | | | |
|-------|--|--|--|------------------------------|--|
| BFR01 | | | | Transaction Set Purpose Code | "00" (Original) |
| BFR02 | | | | Reference Identification | Current date |
| BFR03 | | | | Release Number | PO release |
| BFR04 | | | | Schedule Type Qualifier | "DL" (Delivery Based) "PR" (Planned Requirements Based) |
| BFR05 | | | | Schedule Quantity Qualifier | "A" (Actual Discrete Quantities) |
| BFR06 | | | | Date (CCYYMMDD) | Horizon start date |
| BFR07 | | | | Date (CCYYMMDD) | Horizon end date |
| BFR08 | | | | Date (CCYYMMDD) | Date forecast was generated |
| BFR11 | | | | PO Number | PO number (Optional) |



Specifications for 4010 ANSI X12 830

N1 - Ship To Name

| | | | | | |
|------|--|--|--|------------------------|---|
| N101 | | | | Entity Identifier Code | "ST" (Ship to) |
| N102 | | | | Name | Danfoss Power Solutions |
| N103 | | | | | "6" (Plant code) |
| N104 | | | | Danfoss plant code | 1501 Ames, IA Production Units 1502 Freeport, IL 1505 Ames, IA NAECS (Service Parts) 1520 Easley, SC 1540 Minneapolis, MN 1011 Neumunster, Germany 1014 Neumunster, Germany 1352 Dubnica, Slovakia |

N2 – Additional Name Information

| | | | | | |
|------|--|--|--|------|--|
| N201 | | | | Name | |
| N202 | | | | Name | |

N3 - Ship To Address Information

| | | | | | |
|------|--|--|--|---------------------|--|
| N301 | | | | Address Information | |
| N302 | | | | Address Information | |

N4 - Ship To Geographic Location

| | | | | | |
|------|--|--|--|-----------|--|
| N401 | | | | City Name | |
| N402 | | | | State | |
| N403 | | | | Zip Code | |



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| | | | | | |
|------|--|--|--|--------------|--|
| N404 | | | | Country Code | |
|------|--|--|--|--------------|--|

PER – Administrative Communications Contact

| | | | | | |
|-------|--|--|--|----------------------|--|
| PER01 | | | | | “BD” (Buyer’s Name) “DC” (Delivery Contact) |
| PER02 | | | | Buyer’s Name | |
| PER03 | | | | | “TE” Telephone Number |
| PER04 | | | | Communication Number | Buyer’s Phone Number |

N1 - Ship From Name

| | | | | | |
|------|--|--|--|------------------------|------------------------------------|
| N101 | | | | Entity Identifier Code | “SF” (Ship from) |
| N102 | | | | Supplier Name | |
| N103 | | | | | “ZZ” Mutually Defined |
| N104 | | | | Supplier ID | Your Supplier Number in our system |

LIN – Item Identification

| | | | | | |
|-------|--|--|--|------------------------|--|
| LIN01 | | | | Line Number | “00010” |
| LIN02 | | | | | “BP” (Buyer’s Part Number) |
| LIN03 | | | | Danfoss Part Number | |
| LIN04 | | | | | “DR” (Drawing Revision Number) |
| LIN05 | | | | Revision Level | Only present if a PO number is listed in BRF11 |
| LIN06 | | | | | “PD” (Product Description) |
| LIN07 | | | | Product Description | |
| LIN08 | | | | | “VP” (Vendor’s Part Number) |
| LIN09 | | | | Supplier’s Part Number | |

UIT - Unit Detail

| | | | | | |
|-------|--|--|--|----------------------|----------------------------|
| UIT01 | | | | Unit of Measure Code | “EA” (Each) “FT” (Feet) |
|-------|--|--|--|----------------------|----------------------------|



Specifications for 4010 ANSI X12 830

FST - Forecast Schedule (repeat as needed)

| | | | | | |
|-------|--|--|--|---------------------------|------------------------------|
| FST01 | | | | Quantity | |
| FST02 | | | | Forecast Qualifier | "C" (Firm) "D" (Planning) |
| FST03 | | | | Forecast Timing Qualifier | "D" (Discrete) |
| FST04 | | | | Date (CCYYMMDD) | |
| FST05 | | | | Date | not used |
| FST06 | | | | Date/Time Qualifier | not used |
| FST07 | | | | Time | not used |
| FST08 | | | | Reference ID Qualifier | "RE" (release number) |
| FST09 | | | | Reference ID | Release number |

SHP - Shipped/Received Information

| | | | | | |
|-------|--|--|--|---------------------|----------------------|
| SHP01 | | | | Quantity Qualifier | "01" (Discrete Qty) |
| SHP02 | | | | Quantity | Last Receipt Qty |
| SHP03 | | | | Date/Time Qualifier | "050" (Received) |
| SHP04 | | | | Date (CCYYMMDD) | Date of last receipt |

SHP - Shipped/Received Information

| | | | | | |
|-------|--|--|--|---------------------|------------------------------|
| SHP01 | | | | Quantity Qualifier | "02" (Cumulative Qty) |
| SHP02 | | | | Quantity | Cumulative Receipt Qty |
| SHP03 | | | | Date/Time Qualifier | "051" (Cumulative Start Qty) |
| SHP04 | | | | Date (CCYYMMDD) | Start date of Cuml. Qty |

CTT - Transaction Totals

| | | | | | |
|-------|--|--|--|-----------------------|--|
| CTT01 | | | | Total of LIN segments | |
|-------|--|--|--|-----------------------|--|



Specifications for 4010 ANSI X12 830

| | | | | | |
|-------|--|--|--|------------|------------------------------------|
| CTT02 | | | | Hash Total | Total qty on release (FST01 total) |
|-------|--|--|--|------------|------------------------------------|