

# BW - DPS - Forecast Vs Booking / Component (Core Query)



The objective of this documentation is not to allow to recreate from scratch the object but to **explain everything that is not obvious** by looking directly at the query/workbook or **emphases on things that are important** for the report to work.

Remove the sections that are not relevant.

<b>Description</b>	<i>Dynasys - Forecast &amp; Booking - BOM Explosion</i>
<b>Technical Name</b>	BW_QRY_CPDPDY02_0001
<b>Application</b>	<i>DP - Demand Planning</i>
<b>Info-provider</b>	<i>CPDPDY02</i>
<b>Usage type</b>	<i>Direct execution via Analysis</i>
<b>Expected users</b>	

- Workbook/Query General Description
- General parameters
  - Global properties
  - Variables
    - Definitions
    - Variable Sequence
- Filters
- Key figures
  - Key Figure 1
    - Description
    - Calculation rule detail
    - Text Replacement Variable
    - Currency Conversion
    - Unit Conversion
- Characteristics
- Cells
- Conditions
- Exceptions

## Workbook/Query General Description

### General parameters

#### Global properties

Tab	Screenshot	Comment
Display		
Rows/Columns		
Value Display		
Planning		
Extended		

### Variables

#### Definitions











Variable Name	Info-object	Selection Type	Required	Description /Explanation
V_C_MATNR_0001 Material (Selection Option, Optional)	C_MATNR	SelectOption/Optional /ManualEntry	No	
V_C_PLANT_0001 Plant (Selection Option, Optional)	C_PLANT	SelectOption/Optional /ManualEntry	No	
V_C_WORKCTR_0001 Work Center (Selection Option, Optional)	C_WORKCTR	SelectOption/Optional /ManualEntry	No	

V_C_DYNSHIP_0001 ShipTo (Selection Option, Optional)	C_DYNSHIP	SelectOption/Optional /ManualEntry	No	
V_C_PROGID_0001 Program (Selection Option, Optional)	C_PROGID	SelectOption/Optional /ManualEntry	No	
V_C_BESKZ_0001 Procurement Type (Selection Option, Optional)	C_BOMCPNT__C_BESKZ	SelectOption/Optional /ManualEntry	No	
V_C_DISPO_0001 MRP Controller (Selection Option, Optional)	C_BOMCPNT__C_DISPO	SelectOption/Optional /ManualEntry	No	
V_C_PRODVER_0001 Production Version (Selection Option, Optional)	C_PRODVER	SelectOption/Optional /ManualEntry	No	
V_C_CALMONTH_0001 Calendar Year/Month (Selection Option, Optional)	0CALMONTH	SelectOption/Optional /ManualEntry	No	
V_CUR_TAR_01 Target Currency for conversion (Single value, Optionnal)	0CURRENCY	SingleValue/Optional /ManualEntry	No	

## Variable Sequence

### ▼ Variables Order

#### Variables

-  [V\_C\_MATNR\_0001] Material (Selection Option, Optional)
-  [V\_C\_PLANT\_0001] Plant (Selection Option, Optional)
-  [V\_C\_WORKCTR\_0001] Work Center (Selection Option, Optional)
-  [V\_C\_DYNSHIP\_0001] ShipTo (Selection Option, Optional)
-  [V\_C\_PROGID\_0001] Program (Selection Option, Optional)
-  [V\_C\_BESKZ\_0001] Procurement Type (Selection Option, Optional)
-  [V\_C\_DISPO\_0001] MRP Controller (Selection Option, Optional)
-  [V\_C\_PRODVER\_0001] Production Version (Selection Option, Optional)
-  [V\_CALMONTH\_0001] Calendar Year/Month (Selection Option, Optional)
-  [V\_CUR\_TAR\_01] Target Currency for conversion (Single value, Optional)

## Filters

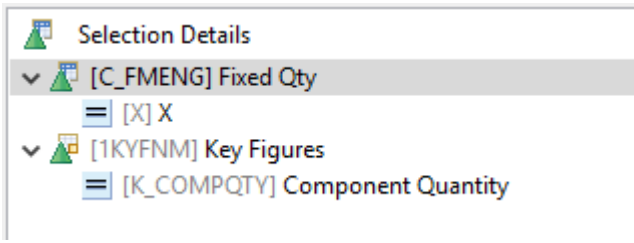
Object	Filter Value	Explanation

## Key figures

Description	Type	Restricted or Calculated Key Figure	Calculation rule
Costing Lot Size (EOQ)	Hide (Can Be Shown)		

Setup Time	Hide (Can Be Shown)		
Recipe Base Qty	Hide (Can Be Shown)		
Machine Time	Hide (Can Be Shown)		
Production Rate	Always Show	Calculated Key Figure	Formula: "[K_OPERQTY] Recipe Base Qty" / "[K_MACHTIM] Machine Time"
Base Quantity for BOM (PUoM)	Always Show		
Component Quantity (PUoM)	Always Show		
Quantity Per 1 Puom	Always Show		
Forecast (Dynasys)	Hide (Can Be Shown)		
Forecast (PUoM)	Always Hide		
Forecast (PUoM)	Hide (Can Be Shown)	Calculated Key Figure	Formula: "[K_FFQTYB] Forecast (PUoM)" * 1
Forecast Quantity Level by Level	Always Hide		
Forecast Quantity Level by Level	Always Show	Calculated Key Figure	Formula: "[K_FFLVL] Forecast Quantity Level by Level" * 1
Quantity Forecast Base	Always Hide		
Quantity Forecast Base	Always Show	Calculated Key Figure	Formula: "[K_FFBASE] Quantity Forecast Base" * 1
Booking (Dynasys)	Hide (Can Be Shown)		
Booking (PUoM)	Always Hide		

Booking (PUoM)	Hide (Can Be Shown)	Calculated Key Figure	Formula: "[K_SOBQTYB] Booking (PUoM)" * 1
Booking Quantity Level by Level	Always Hide		
Booking Quantity Level by Level	Always Show	Calculated Key Figure	Formula: "[K_SOBLVL] Booking Quantity Level by Level" * 1
Quantity Booking Base	Always Hide		
Quantity Booking Base	Always Show		Formula: "[K_SOBBASE] Quantity Booking Base" * 1
Required Capacity For Fcst	Always Show	Calculated Key Figure	Formula: "[K_FFBASE] Quantity Forecast Base" / "[BW_CKF_CPDY01_0004] Production Rate" + CEIL("[K_FFBASE] Quantity Forecast Base" / "[K_COMPCLS] Costing Lot Size (EOQ)") * "[K_SETTIM] Setup Time"
Required Capacity For SOB	Always Show	Calculated Key Figure	Formula: "[K_SOBBASE] Quantity Booking Base" / "[BW_CKF_CPDY01_0004] Production Rate" + CEIL("[K_SOBBASE] Quantity Booking Base" / "[K_COMPCLS] Costing Lot Size (EOQ)") * "[K_SETTIM] Setup Time"
MaxFcstVsSOB	Always Show	Calculated Key Figure	Formula: MAX("[K_FFBASE] Quantity Forecast Base"; "[K_SOBBASE] Quantity Booking Base")
Available Capacity Constraint	Hide (Can Be Shown)		
Available Capacity Unconstraint	Hide (Can Be Shown)		
% to constraint for Fcst	Always Show	Calculated Key Figure	Formula: "[BW_CKF_CPDY02_0004] Required Capacity For Fcst" % "[OSTANDCAP] Available Capacity Constraint"
% to constraint for SOB	Always Show	Calculated Key Figure	Formula: "[BW_CKF_CPDY02_0005] Required Capacity For SOB" % "[OSTANDCAP] Available Capacity Constraint"
% to Unconstraint for Fcst	Always Show	Calculated Key Figure	Formula: "[BW_CKF_CPDY02_0004] Required Capacity For Fcst" % "[K_CAPUNCO] Available Capacity Unconstraint"
% to Unconstraint for SOB	Always Show	Calculated Key Figure	Formula: "[BW_CKF_CPDY02_0005] Required Capacity For SOB" % "[K_CAPUNCO] Available Capacity Unconstraint"

Final Forecast Value	Always Show		
Sold & Booked Value	Always Show		
Component Quantity (Fix Qty = X)	Always Hide	Restricted Key Figure	

## Key Figure 1

### Description

### Calculation rule detail

### Text Replacement Variable

### Currency Conversion

Exchange Rate Type :

Currency :

Time Reference :

### Unit Conversion

Unit :

## Characteristics

Location	Info-object Name	Info-object Text	Explanation (if needed)
Column	0CALMONTH	Calendar Year/Month	Calendar Year/Month is linked to Forecast & Booking data from Dynasys
Rows	0SOURSYSTEM	Source System ID	Do not Display
Rows	C_PLANT	Plant	Do not Display
Rows	C_MATNR	Material	Renamed "Product" in the query (Do not Display)
Rows	C_MATPLNT	Material / Plant	Renamed "Product" in the query (Key)
Rows	C_DYNSHIP	ShipTo (Dynasys)	Key
Rows	C_SPECID	Specification ID	Key
Rows	C_PRDWCTR	Product Work Center / Resource	Key, Work Center linked to C_MATPLNT
Rows	C_INTCNT	BOM Line ID	Do not Display
Rows	C_PRODLVL	Product Level	Key
Rows	C_BOMLVL	BOM Level	Sort by Text, Ascending (Key)
Rows	C_BOMHEAD	BOM Head	Key
Rows	C_WORKCTR	Workcenter	Renamed "BOM Head Work Center/Resource" in the query (Key) Work Center linked to C_BOMHEAD
Rows	C_BOMALT	Alternative BOM	Do not Display
Rows	C_BOMNUM	Bill of Material	Key, BOM number linked to C_BOMHEAD
Rows	C_BOMITM	BOM Item	Key

Rows	C_BOMUSAG	BOM usage	Key
Rows	C_FMENG	Fixed Qty	Key
Rows	C_BOMCPNT	BOM Component	Key
Rows	C_BOMCPNT__C_BESKZ	MRP Procurement Type	Key
Rows	C_OPERNB	Operation Number	Key
Rows	C_PRODVER	Production Version	Key
Rows	0VENDOR	Vendor	Key
Rows	0PURCH_ORG	Purchasing Organization	Key
Free	C_BOMNUMM	Bill of Material (Master)	Key, BOM number linked to C_MATPLNT
Free	C_RECGRP	Recipe Group	Key
Free	C_TASKTYP	Task List Type	Key
Free	C_BOMALTM	Alternative BOM (Master)	Key, Alternative of BOM (Master)
Free	C_PROGID	Program	Key
Free	C_DYNMAT__C_MARKET	Market	Key
Free	0DISTR_CHAN	Distribution Channel	Key
Free	C_CTRLKEY	Control Key	Key

## Cells

## Conditions

Condition Name	Active By default	Key Figure (Structure)	Operator	Value	Characteristic Assignment

## Exceptions

Exception Name	Active By default	Alert Level	Operator	Value	Other parameters (if different from default)
	Yes/No				