Description

This document details the supported HUMAC Program, Interface, Servo Amplifier, and Motor combinations.

HUMAC Program

Program	Interface	Notes
HUMAC2004	Windows XP	No longer under development or supported by CSMi.
HUMAC2009	Windows 7	No longer under development or supported by CSMi.
HUMAC2015	Windows 7, 8, 10, 11	Continuing development and support.

Note:

- *Microsoft has ended support for Windows XP, 7, and 8.*
- *Microsoft is ending support for Windows 10 on Oct 14, 2025.*
- *CSMi ended support for the HUMAC2004 and 2009 programs. CSMi is only providing ongoing development and support for the HUMAC2015 program.*

HUMAC Interface

Windows Compatibility

32-bit Windows Compatible Interface	32 and 64-bit Windows Compatible Interface

Servo Enclosure Compatibility

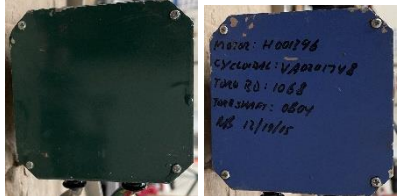| Compatible with DM Servo Enclosure Cabling. *Note: Enclosure May Contain DM or Ultra3000 Servo with Upgrade Kit*	Compatible with Ultra3000 Enclosure Cabling and Ultra3000 Servo

Servo Amplifiers

The following servo amplifiers have been used with NORM systems.

Rockwell DM-30	Rockwell DM-75	Rockwell Ultra3000	AMC C060A400	AMC C060L400
Approx 3" wide	Approx 6" wide		Three large green connectors on the side	Two large green connectors on the side

Motors

The following motors have been used with NORM systems.

Rockwell motor. • Green or Blue paint.	
Getty motor. • Black paint. • Cooling fins are not visible at the back of the motor. • Manufacturer's label is not visible.	
507202 motor. • Black paint. • Cooling fins are visible at the back of the motor. • Manufacturer's label is visible.	

Compatible Combinations

HUMAC2004 Program

Interface	Motor	Servo
HUMAC 32 bit	Rockwell	DM-30/75, Ultra3000
HUMAC 32 bit	Getty	Ultra3000

HUMAC2009 Program

Interface	Motor	Servo
HUMAC 32 bit	Rockwell	DM-30/75, Ultra3000
HUMAC 32 bit	Getty	Ultra3000

HUMAC2015 Program

Interface	Motor	Servo
HUMAC 32 bit, HUMAC 64-bit	Rockwell	DM-30/75, Ultra3000
HUMAC 32 bit, HUMAC 64-bit	Getty	Ultra3000
HUMAC 32 bit, HUMAC 64-bit	507202	Ultra3000, C060A400, C060L400

Important

The motor profile is stored in the servo amplifier non-volatile memory. When the HUMAC system starts, it reads the servo amplifier model. The HUMAC then determines the motor type by reading the motor profile stored in the servo amplifier. It is important for correct system operation that the data stored in the servo amplifier matches the motor in the dynamometer. When replacing a servo amplifier or motor, you must confirm the servo amplifier settings match the motor. CSMi developed a procedure for the HUMAC2015 program where the Ultra3000 motor profile can be changed by the service technician in the field.