

AC VARIABLE FREQUENCY DRIVES, HP RATED - AC890 SERIES



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The AC890 is a compact, modular systems AC drive engineered to control speed and position of open-loop and closed-loop, single- or multi-motor AC induction or servo motor applications, up to 1500HP

PRODUCT OVERVIEW

TECH SPECIFICATIONS

[Print Tech Specifications](#)

PERFORMANCE CHARACTERISTICS

BRAND

Parker

PRODUCT TYPE

AC Drive

DRIVE FORMAT

Single Axis Technology

Multi Axis Technology

SERIES

AC890

INPUT SUPPLY VOLTAGE

3*230VAC

3*380-480VAC

3*500-690VAC

320-705VDC (Common Bus)

OUTPUT RATING (HP)

0.75 - 1500HP

SUPPORTED MOTOR TYPES

Brushless Servo

Frameless Servo

Induction

Spindle

Torque

PMAC

SUPPORTED FEEDBACK DEVICE

Resolver

Incremental Encoder

MODES OF CONTROL

V/Hz

Sensorless Vector

Closed Loop Vector

Active Front End

Speed Control of Permanent Magnet Motor

COMMUNICATION INTERFACE

RS232 / RS485
CANopen
ControlNet
DeviceNet
Profibus
Profinet
Ethernet TCP/IP

OPERATING TEMPERATURE (C)

0-45C for Frames B-F (derate up to 50C max)
0-40C for Frames G-K (derate up to 50C max)

OPERATING TEMPERATURE (F)

32-113F for Frames B-F (derate up to 122F max)
32-104F for Frames G-K (derate up to 122F max)

OPERATING ALTITUDE

Up to 1000m ASL (derate > 1000m)

OVERLOAD RATINGS

Heavy Duty Rating (Constant Torque) : 150% for 60s
Normal Duty Rating (Variable Torque) : 110% for 60s
Servo Mode Rating (Frames B-D) : 200% for 4s
Servo Mode Rating (Frames E-J) : 150% for 60s

CERTIFICATES

CE (EMC & LVD)
UL Listed
cUL Listed

Print Tech Specifications

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