Turbo Easy-Start™ 5



UPTO 1 TON

Turbo Easy-Start CAPACITANCE (MFD) RANGE REQUIRED

108 to 130 mfds

JUMPER WIRE REQUIRED

NONE

EXAMPLE 1



Turbo Easy-Start CONNECTED TO STANDARD DUAL-VALUE MOTOR-RUN CAPACITOR

Step 1: No jumper wires required.

Step 2: Connect the black wire (common) from Turbo Easy-Start to the COMMON (C) terminal of the standard dual-value motor-run capacitor as shown.

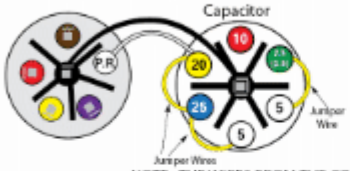
Step 3: Connect the white wire from the Easy-Start to the HERM terminal of the standard dual-value motor-run capacitor as shown.

(Shown connected to a 50+7.5mfd dual-value capacitor).

[Typical Air Conditioning Application]

NOTE: THE WIRES FROM THE COMPRESSOR AND THE FAN TO THE MOTOR-RUN CAPACITOR ARE NOT SHOWN IN THIS ILLUSTRATION.

EXAMPLE 2



Turbo Easy-Start CONNECTED TO A TURBO®200 UNIVERSAL CAPACITOR

Step 1: No jumper wires required (on the Easy-Start).

Step 2: Connect the black wire (common) from the Easy-Start to the COMMON (C) terminal of the Turbo®200 Universal Capacitor as shown.

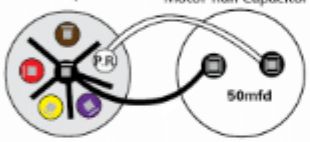
Step 3: Connect the white wire from the Easy-Start to the 20MFD terminal of the Turbo®200 Universal capacitor as shown.

(Shown connected to a Turbo®200 which has been wired to provide 50mfd for the herm (compressor) and a 7.5mfd fan value).

[Typical Air Conditioning Application]

NOTE: THE WIRES FROM THE COMPRESSOR AND THE FAN TO THE TURBO®200 MOTOR-RUN CAPACITOR ARE NOT SHOWN IN THIS ILLUSTRATION.

EXAMPLE 3



Turbo Easy-Start CONNECTED TO A STANDARD SINGLE-VALUE MOTOR-RUN CAPACITOR

Step 1: No jumper wires required (on the Easy-Start).

Step 2: Connect the black wire (common) from the Easy-Start to one of the terminals of the standard single value motor-run capacitor as shown.

Step 3: Connect the white wire from the Easy-Start to the other terminal of the standard single value motor-run capacitor as shown.

(Shown connected to a 50mfd single-value capacitor).

[Typical Commercial Refrigeration Application]

NOTE: THE WIRES FROM THE COMPRESSOR AND THE FAN TO THE MOTOR-RUN CAPACITOR ARE NOT SHOWN IN THIS ILLUSTRATION.

1 TO 2 TONS

TURBO EASY-START CAPACITANCE (MFD) RANGE REQUIRED

189 to 227 mfds

JUMPER WIRE REQUIRED

Green Jumper Wire →



EXAMPLE 1



Turbo Easy-Start CONNECTED TO STANDARD DUAL-VALUE MOTOR-RUN CAPACITOR

Step 1: Using the green jumper wire, connect the purple and yellow terminals to the corresponding colored terminals on the Easy-Start as shown.

Step 2: Connect the black wire (common) from the Turbo Easy-Start to the COMMON (C) terminal of the standard dual-value motor-run capacitor as shown.

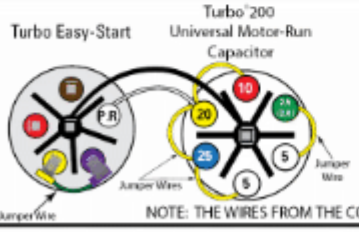
Step 3: Connect the white wire from the Turbo Easy-Start to the HERM terminal of the standard dual-value motor-run capacitor as shown.

(Shown connected to a 60+7.5mfd dual-value capacitor).

[Typical Air Conditioning Application]

NOTE: THE WIRES FROM THE COMPRESSOR AND THE FAN TO THE MOTOR-RUN CAPACITOR ARE NOT SHOWN IN THIS ILLUSTRATION.

EXAMPLE 2



Turbo Easy-Start CONNECTED TO A TURBO®200 UNIVERSAL CAPACITOR

Step 1: Using the green jumper wire, connect the purple and yellow terminals to the corresponding colored terminals on the Easy-Start as shown.

Step 2: Connect the black wire (common) from the Turbo Easy-Start to the COMMON (C) terminal of the Turbo®200 Universal Capacitor as shown.

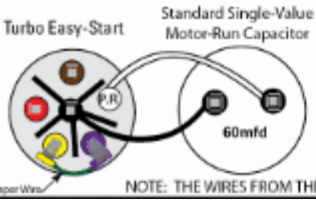
Step 3: Connect the white wire from the Turbo Easy-Start to the 20MFD terminal of the Turbo®200 Universal capacitor as shown.

(The Turbo Easy-Start is shown connected to a Turbo®200 which has been wired to provide 60mfd for the herm (compressor) and a 7.5mfd fan value).

[Typical Air Conditioning Application]

NOTE: THE WIRES FROM THE COMPRESSOR AND THE FAN TO THE TURBO®200 MOTOR-RUN CAPACITOR ARE NOT SHOWN IN THIS ILLUSTRATION.

EXAMPLE 3



Turbo Easy-Start CONNECTED TO A STANDARD SINGLE-VALUE MOTOR-RUN CAPACITOR

Step 1: Using the green jumper wire, connect the purple and yellow terminals to the corresponding colored terminals on the Easy-Start as shown.

Step 2: Connect the black wire (common) from the Turbo Easy-Start to one of the terminals of the standard single value motor-run capacitor as shown.

Step 3: Connect the white wire from the Turbo Easy-Start to the other terminal of the standard single value motor-run capacitor as shown.

(Shown connected to a 60mfd single-value capacitor).

[Typical Commercial Refrigeration Application]

NOTE: THE WIRES FROM THE COMPRESSOR AND THE FAN TO THE MOTOR-RUN CAPACITOR ARE NOT SHOWN IN THIS ILLUSTRATION.

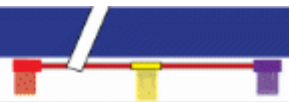
2.5 TO 3 TONS

TURBO EASY-START CAPACITANCE (MFD) RANGE REQUIRED

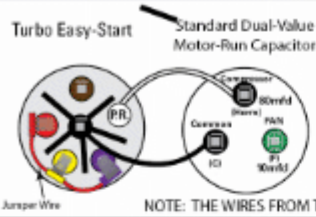
233 to 280 mfds

JUMPER WIRE REQUIRED

Red Jumper Wire →



EXAMPLE 1



Turbo Easy-Start CONNECTED TO STANDARD DUAL-VALUE MOTOR-RUN CAPACITOR

Step 1: Using the red jumper wire, connect the purple, yellow and red terminals to the corresponding colored terminals on the Easy-Start as shown.

Step 2: Connect the black wire (common) from the Turbo Easy-Start to the COMMON (C) terminal of the standard dual-value motor-run capacitor as shown.

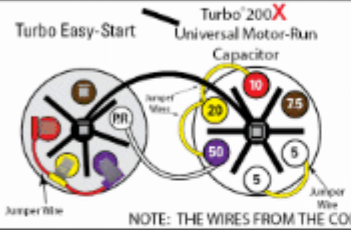
Step 3: Connect the white wire from the Turbo Easy-Start to the HERM terminal of the standard dual-value motor-run capacitor as shown.

[Shown connected to a 80+10mfd dual-value capacitor].

[Typical Air Conditioning Application]

NOTE: THE WIRES FROM THE COMPRESSOR AND THE FAN TO THE MOTOR-RUN CAPACITOR ARE NOT SHOWN IN THIS ILLUSTRATION.

EXAMPLE 2



Turbo Easy-Start CONNECTED TO A TURBO®200 UNIVERSAL CAPACITOR

Step 1: Using the red jumper wire, connect the purple, yellow and red terminals to the corresponding colored terminals on the Easy-Start as shown.

Step 2: Connect the black wire (common) from the Turbo Easy-Start to the COMMON (C) terminal of the Turbo®200X Universal Capacitor as shown.

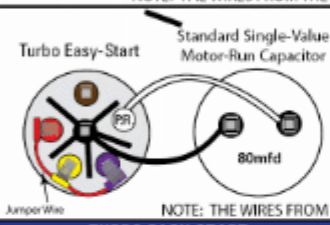
Step 3: Connect the white wire from the Turbo Easy-Start to the 50MFD terminal of the Turbo®200X Universal capactor as shown.

[The Turbo Easy-Start 5 is shown connected to a Turbo®200X which has been wired to provide 80mfd for the herm (compressor) and a 10mfd fan value].

[Typical Air Conditioning Application]

NOTE: THE WIRES FROM THE COMPRESSOR AND THE FAN TO THE TURBO®200X MOTOR-RUN CAPACITOR ARE NOT SHOWN IN THIS ILLUSTRATION.

EXAMPLE 3



Turbo Easy-Start CONNECTED TO A STANDARD SINGLE-VALUE MOTOR-RUN CAPACITOR

Step 1: Using the red jumper wire, connect the purple, yellow and red terminals to the corresponding colored terminals on the Easy-Start as shown.

Step 2: Connect the black wire (common) from the Turbo Easy-Start to one of the terminals of the standard single value motor-run capacitor as shown.

Step 3: Connect the white wire from the Turbo Easy-Start to the other terminal of the standard single value motor-run capacitor as shown.

[Shown connected to a 80mfd single-value capacitor].

[Typical Commercial Refrigeration Application]

NOTE: THE WIRES FROM THE COMPRESSOR AND THE FAN TO THE MOTOR-RUN CAPACITOR ARE NOT SHOWN IN THIS ILLUSTRATION.

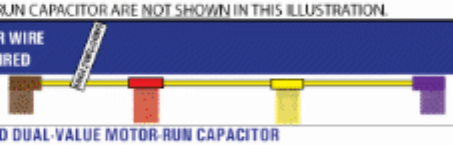
3.5 TO 5 TONS

TURBO EASY-START CAPACITANCE (MFD) RANGE REQUIRED

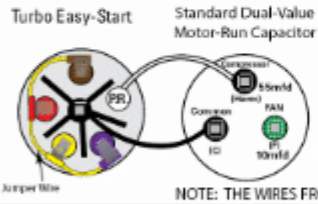
270 to 324 mfds

JUMPER WIRE REQUIRED

Yellow Jumper Wire →



EXAMPLE 1



Turbo Easy-Start CONNECTED TO STANDARD DUAL-VALUE MOTOR-RUN CAPACITOR

Step 1: Using the yellow jumper wire, connect the purple, yellow, red and brown terminals to the corresponding colored terminals on the Easy-Start as shown.

Step 2: Connect the black wire (common) from the Turbo Easy-Start to the COMMON (C) terminal of the standard dual-value motor-run capacitor as shown.

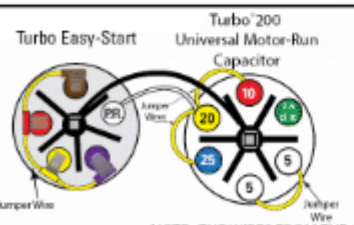
Step 3: Connect the white wire from the Turbo Easy-Start to the HERM terminal of the standard dual-value motor-run capacitor as shown.

[Shown connected to a 55+10mfd dual-value capacitor].

[Typical Air Conditioning Application]

NOTE: THE WIRES FROM THE COMPRESSOR AND THE FAN TO THE MOTOR-RUN CAPACITOR ARE NOT SHOWN IN THIS ILLUSTRATION.

EXAMPLE 2



Turbo Easy-Start CONNECTED TO A TURBO®200 UNIVERSAL CAPACITOR

Step 1: Using the yellow jumper wire, connect the purple, yellow, red and brown terminals to the corresponding colored terminals on the Easy-Start as shown.

Step 2: Connect the black wire (common) from the Turbo Easy-Start to the COMMON (C) terminal of the Turbo®200 Universal Capacitor as shown.

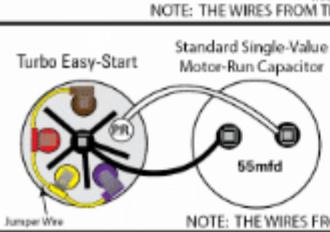
Step 3: Connect the white wire from the Turbo Easy-Start to the 20MFD terminal of the Turbo®200 Universal capacitor as shown.

[The Turbo Easy-Start is shown connected to a Turbo®200 which has been wired to provide 55mfd for the herm (compressor) and a 10mfd fan value].

[Typical Air Conditioning Application]

NOTE: THE WIRES FROM THE COMPRESSOR AND THE FAN TO THE TURBO®200 MOTOR-RUN CAPACITOR ARE NOT SHOWN IN THIS ILLUSTRATION.

EXAMPLE 3



Turbo Easy-Start CONNECTED TO A STANDARD SINGLE-VALUE MOTOR-RUN CAPACITOR

Step 1: Using the yellow jumper wire, connect the purple, yellow, red and brown terminals to the corresponding colored terminals on the Easy-Start as shown.

Step 2: Connect the black wire (common) from the Turbo Easy-Start to one of the terminals of the standard single value motor-run capacitor as shown.

Step 3: Connect the white wire from the Turbo Easy-Start to the other terminal of the standard single value motor-run capacitor as shown.

[Shown connected to a 55mfd single-value capacitor].

[Typical Commercial Refrigeration Application]

NOTE: THE WIRES FROM THE COMPRESSOR AND THE FAN TO THE MOTOR-RUN CAPACITOR ARE NOT SHOWN IN THIS ILLUSTRATION.