

Vertical Motors Conversions & Accessories Descriptions & Adders

DISCOUNT SYMBOL: SAME AS MOTOR BEING CONVERTED

Thermal Protection, Windings *(continued)*

Thermistors

Frame:	180	210	250	280	320	360	400	444-447	449	5000
Adder:	472	472	472	472	669	669	876	876	876	876

Thermistors: Non-linear resistance temperature detector made from semi-conductor material. Standard arrangement is Q-3 positive temperature coefficient (PTC) type on winding end-turns with leads brought out to the main motor conduit box.

The following options are available:

TW10 Thermistors (PTC Type), Texas Instruments®, 6 leads out

THERMA SENTRY®

Frame:	180	210	250	280	320	360	400	444-447	449	5000
Adder:	587	587	587	587	587	587	587	1150	1150	1150

THERMA SENTRY®: Complete protection system consisting of three thermistors and a solid state control module (shipped loose for customer mounting). It will protect the motor for locked rotor, starting overload, running overload, abnormally high ambient temperatures, voltage unbalance, high or low voltages, ventilation failure, and single phasing.

Available on non-Explosionproof motors.

The following options are available:

TW20 THERMA SENTRY®, 115/230V, SMSE, normally closed contact
(SMSE = separately mounted, separately excited control module)

Thermocouples

Frame:	180	210	250	280	320	360	400	444-447	449	5000
Adder:	3434	3434	3434	3434	3434	3434	3434	3434	3434	3434

Thermocouples: A pair of dissimilar conductors so joined at one point that an electromotive force is developed by the thermoelectric effects. Standard arrangement is addition of thermocouples to the winding end-turns with leads brought out to the main motor conduit box.

The following options are available:

TW32 Thermocouples, Iron Constantan (Type J)

Vibration Detector

Robertshaw®†, Model 366

Frame:	180	210	250	280	320	360	400	444-447	449	5000
Adder:	-	-	-	-	1878	1878	1878	1878	-	-

Available only on Premium Efficient Vertical HOLLOSHAFT® WPI (Type RUSI).

Integral Horsepower Motor Type Code Identification Chart Vertical Motors

Type Code	Motor Description	Phase	Efficiency
AUS, RUS, RUE	WPI Vertical, HOLLOSHAFT®	Three Phase	Premium Efficient
AUI, RUSI, RUEI	WPI Vertical, HOLLOSHAFT®	Three Phase	Premium Efficient
AUR, AUC	WPI Vertical, HOLLOSHAFT®	Single Phase	Standard Efficient
AVS, RVS	WPI Vertical, Solid Shaft	Three Phase	Premium Efficient
TUS, JUE	TEFC, HOLLOSHAFT®	Three Phase	Premium Efficient
TUCI, JUCEI	TEFC, HOLLOSHAFT®	Three Phase	Premium Efficient
TVCS	TEFC, Solid Shaft	Three Phase	Premium Efficient