



# 15HM SERIES | MOTOR PROTECTORS

Hermetically Sealed Single Phase On Winding Protection

## Product Description

The 15HM family of motor protectors can be applied to unitary air conditioning and heat pump compressors ranging from 1 to 5 HP. They may also be used in commercial motors which must function in destructive or corrosive environments. Its compact and rugged design make it resistant to mechanical shock and suitable for installation directly on motor windings.



## Features and Benefits

- High Reliability – 2 contact ratings
- Optional start winding protection
- Compact and rugged construction
- Meet rotary compressor high side pressure requirements
- Application range – 1 to 5 HP

## Line Break Operation

Klixon® 15HM motor protectors are line break automatic reset controls which are wired in series with and mounted on the motor windings. These protectors track winding temperatures and respond to changes in line current to afford protection against the wide variety of overload conditions listed below:

- Running overload
- Loss of refrigerant charge
- High discharge temperature
- High/low voltage locked rotor
- Shorted capacitor



## SPECIFICATIONS

<b>Open Temperature</b>	90°C - 150°C
<b>Tolerance</b>	±5°C Open, ±9°C Close

## Protector Ratings

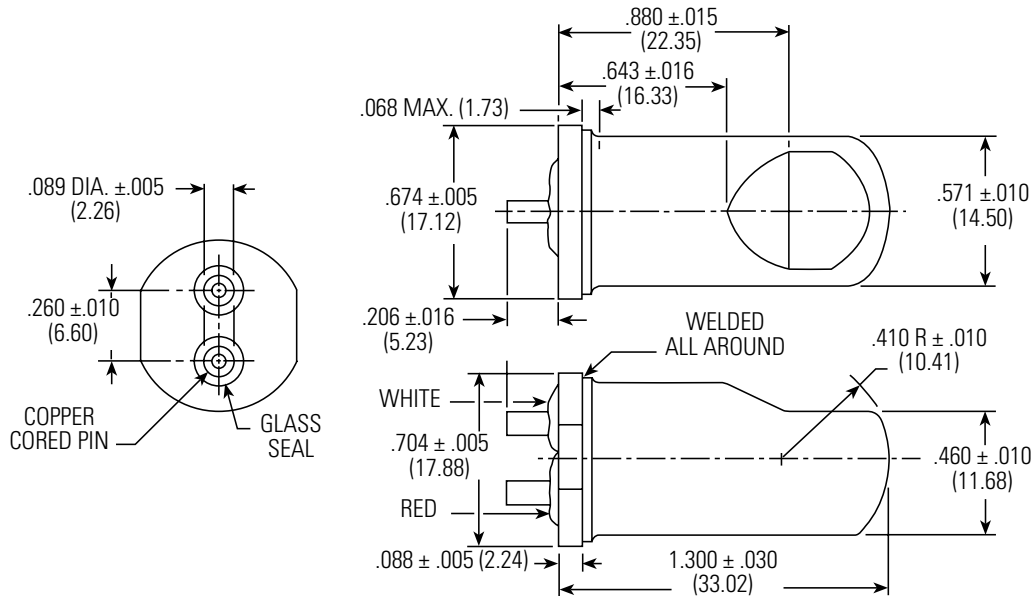
Series		Start Winding	Line Voltage	Locked Rotor Current	HP Range
<b>300</b>	13XX	Yes	230V	*100 Amp	*1 - 3 1/2
	23XX	No			
<b>600</b>	16XX	Yes	230V	*140 Amp	*3 1/2 - 5
	26XX	No			

\* To be used as a guide for selection only, consult factory for specific life test data

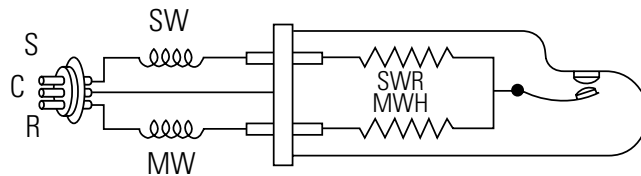


# DIMENSIONS

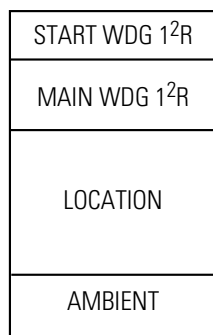
Metric Dimensions in Parenthesis



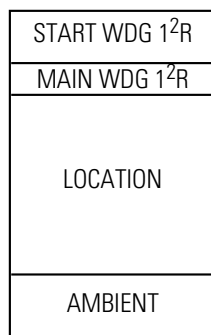
## Circuit Diagram



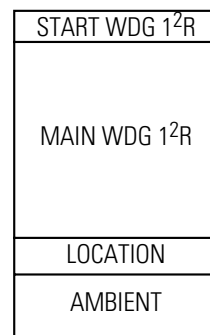
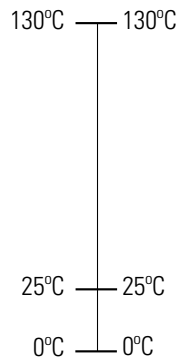
## 15HM Heat Input Relationships



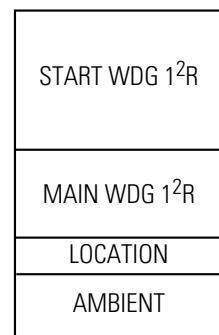
RUNNING OVERLOAD  
(ULTIMATE TRIP)



LIGHT LOAD



LOCKED ROTOR

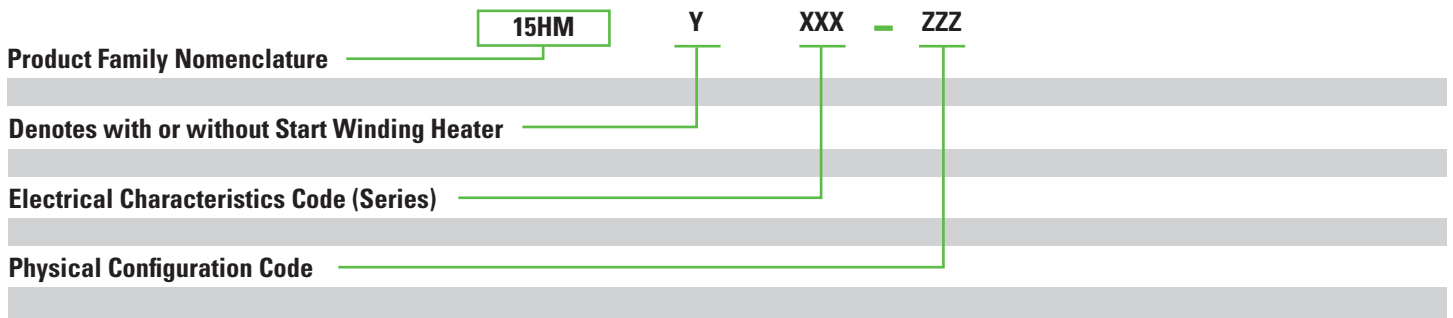


CONTINUOUS  
START CIRCUITING



## ORDERING OPTIONS

Example : 15HM Y XXX-ZZZ



## AGENCY APPROVALS & CERTIFICATIONS



Agency	File Number
UL / C-UL	E15962
DEKRA (ENEC)	2018218.05
CQC	CQC03002007249

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