

## Belt Tension

	Tension on TK Gauge (See Tool Catalog)	
	New Belt	Field Reset
Engine/Alternator/Drive Motor (Jackshaft) Reading on bottom span between engine and electric motor	55 to 65	55 to 60
Drive Motor (Jackshaft)/Compressor Reading between electric motor and alternator (or 1/4 in. deflection with 10 lb pressure)	55 to 60	55 to 60
Water Pump	40	40

**NOTE: Use belt tension gauge (See Tool Catalog) whenever possible to check belt tension. New belts should be tensioned cold and tensioned cold again after 10 hours of unit operation.**

## Refrigeration System

Compressor Model	TKO 6.0 hp Scroll
Refrigerant Charge	9 lb (4 kg) R-404A
*Compressor Oil Charge	1.6 qt (1.5 liters)
Compressor Oil Type: R-404A (Solest 35)	Ester base required for Scroll compressor (See Tool Catalog)
Throttling Valve Setting:	29 ± 1 psig (200 ± 7 kPa)
High Pressure Cutout Switch: Open	470 ± 7 psig (3241 ± 48 kPa)
Close	375 ± 38 psig (2586 ± 262 kPa)
Evaporator Defrost Sensor: Minimum Temperature On	42 F (5.5 C)
Maximum Temperature Off	52 F (11 C)
Liquid Injection Valve: Closed	Below 250 F (121 C)
Begins to Open	250 F (121 C)
Fully Open	270 F (132 C)
Compressor High Temperature Cutout Switch: Opens	293 ± 0.3 F (145 ± 5 C)
Closes	142 ± 27 F (61 ± 15 C)

*\* When the compressor is removed from the unit, oil level should be noted or the oil removed from the compressor should be measured. This is to be sure that the same amount of oil can be added before placing the replacement compressor in the unit.*

## Engine Clutch - Hilliard

Model	(Dwg. No. 2C38624G01)
Engagement	600 ± 100 RPM
Dynamic Torque	66 ft-lb (89.5 N•m) minimum @ 1600 RPM