



TLE 3HW75-01

TLE SERIES THERMOSTATIC EXPANSION VALVES

The TLE Series is designed for air conditioning, heat pumps, transportation and commercial refrigeration. Take-apart construction improves serviceability with replaceable/interchangeable parts.

FEATURES

- Stainless steel power element eliminates corrosion and prevents valve failure
- Non-adjustable superheat
- Bi-directional capability for heat pump applications (external equalizer required)
- Take-Apart construction for easy field service
- Interchangeable capacity cages, power assemblies and flanges available

SPECIFICATIONS

Maximum Working Pressure..... 450 psig (31 bar)
 Capscrew Torque..... 300 In. lbs.

MODEL NUMBER NOMENCLATURE - Example: TLE 5HW-01

| SERIES | EQUALIZER | BLEED HOLE | CAPACITY | SYSTEM REFRIGERANT CODE | CHARGE CODE | SEQUENTIAL IDENTIFIER | CUSTOMER SPECIAL | PACK TYPE |
|------------|--|--|------------------------|--|---|-----------------------|---|--|
| TL | E | | 5 | H | W | -01 | | |
| Take-Apart | E = External 1/4" SAE Standard 1/4" ODF Available (Omit for Internal) | B = Bleed Hole (Omit for no Bleed Hole) | Nominal Rating in Tons | F = R-12 H = R-22 M = R-134a N = R-407C P = R-507 R = R-502 S = R-404A | AA = Wide Range C or W = Medium Temp. CA = Heat Pump W(MOP) = Press. Limiting Z = Low Temp. | -01 Thru -999 | G = Customer Special (Omit for Standard) | B1 = Bulk Pack (Omit for Individual Pack) |

TLE SERIES THERMOSTATIC EXPANSION VALVES

| SYSTEM REFRIGERANT CODE | CAPACITY (NOMINAL TONNAGE) | CHARGE CODE | INLET X OUTLET CONNECTION | EQUALIZER | BLEED | CAP LENGTH | MODEL NUMBER | ITEM NUMBER |
|-------------------------|----------------------------|----------------|---------------------------------|-----------|-------|------------|---------------|-------------|
| H (R-22) *R-407C | 3 | W (Med. Temp.) | Valve Less Flange | External | No | 5 Ft. | TLE 3HW-01 | 041734 |
| | 3 | W100 (MOP) | Valve Less Flange | External | No | 5 Ft. | TLE 3HW100-02 | 053363 |
| | 3 | W75 (MOP) | 5/8" X 7/8" ODF (Straight-Thru) | External | No | 5 Ft. | TLE 3HW75-01 | 041931 |
| | 5 | W (Med. Temp.) | Valve Less Flange | External | No | 5 Ft. | TLE 5HW-01 | 054793 |
| | 10 | W (Med. Temp.) | Valve Less Flange | External | No | 5 Ft. | TLE 10HW-01 | 055125 |

TLE SERIES POWER ASSEMBLY NOMENCLATURE - Example: XB-1033HC-1B

| PRINT REFERENCE | SYSTEM REFRIGERANT CODE | CHARGE CODE | CAPILLARY TUBE LENGTH CODE | EQUALIZER |
|--------------------------|--|---|--|------------------------------|
| XB-1033 | H | C | 1 | B |
| XB-1033 = Drawing Number | F = R-12 H = R-22 M = R-134a N = R-407C P = R-507 R = R-502 S = R-404A | C=Medium Temp. CA = Heat Pump W(MOP) = Press. Limiting Z = Low Temp. | 1 = 5 Ft. 2 = 10 Ft. 3 = 15 Ft. 15 = 30 In. | A = Internal B = External |

TLE SERIES POWER ASSEMBLIES

| PRINT REFERENCE | SYSTEM REFRIGERANT CODE | CHARGE CODE | CAP LENGTH | EQUALIZER | MODEL NUMBER | ITEM NUMBER |
|-----------------|-------------------------|----------------|------------|-----------|------------------|-------------|
| XB-1033 | F (R-12) | W25 (MOP) | 5 Ft. | External | XB-1033FW25-1B | 083765 |
| XB-1033 | H (R-22) | C (Med. Temp.) | 5 Ft. | External | XB-1033HC-1B | 061760 |
| XB-1033 | H (R-22) | W (Wide Range) | 30 In. | Internal | XB-1033HW-15A | 077201 |
| XB-1033 | H (R-22) | W75 (MOP) | 5 Ft. | External | XB-1033HW75-1B | 089748 |
| XB-1033 | H (R-22) | W100 (MOP) | 30 In. | External | XB-1033HW100-15B | 095534 |
| XB-1033 | H (R-22) | W100 (MOP) | 5 Ft. | External | XB-1033HW100-1B | 095813 |
| XB-1033 | H (R-22) | W90 (MOP) | 5 Ft. | External | XB-1033HW90-1B | 090082 |

TLE SERIES CAGE KITS

| R-12 | R-134a | R-22 / R-407C | R-404A / R-507 / R-502 | MODEL NUMBER | ITEM NUMBER |
|-------|--------|---------------|------------------------|--------------|-------------|
| 1/4 | 1/4 | 1/2 | 1/4 | X-22517-B1B | 041551 |
| 1 | 1-1/2 | 2 | 1 | X-22517-B3B | 041556 |
| 2 | 2-1/2 | 3 | 2 | X-22517-B4A | 041560 |
| 2 | 2-1/2 | 3 | 2 | X-22517-B4B | 041558 |
| 3 | 3-1/2 | 5 | 3 | X-22517-B5B | 041562 |
| 4 | 5-1/2 | 7-1/2 | 4-1/2 | X-22517-B6B | 041564 |
| 6-1/2 | 7-1/2 | 10 | 7 | X-22517-B7B | 041566 |

Capacities shown are at 100°F condensing and 40°F evaporator temperature. See Extended Capacity Tables for ratings at a wide range of conditions.

TLE SERIES FLANGES

| CONFIGURATION | INLET CONNECTION | OUTLET CONNECTION | MODEL NUMBER | ITEM NUMBER |
|---------------|------------------|-------------------|--------------|-------------|
| Angle | 1/2" ODF | 5/8" ODF | C-501-7 | 065861 |
| Angle | 1/2" SAE | 5/8" SAE | C-500-6 | 056294 |
| Angle | 3/8" ODF | 1/2" ODF | C-501-4 | 065527 |
| Angle | 3/8" ODF | 5/8" ODF | C-501-5 | 065748 |
| Angle | 3/8" SAE | 1/2" SAE | C-500-4 | 056932 |
| Angle | 3/8" SAE | 5/8" SAE | C-500-5 | 057153 |
| Straight Thru | 1/2" ODF | 1/2" ODF | 9761-9 | 027766 |
| Straight Thru | 1/2" ODF | 5/8" ODF | 9761-4 | 027268 |
| Straight Thru | 1/2" ODF | 7/8" ODF | 9761-2 | 027770 |
| Straight Thru | 1/2" SAE | 1/2" SAE | X-6669-5 | 083378 |
| Straight Thru | 1/2" SAE | 5/8" SAE | X-6669-2 | 050842 |
| Straight Thru | 3/8" ODF | 1/2" ODF | 9761-5 | 027769 |
| Straight Thru | 3/8" ODF | 5/8" ODF | 9761-3 | 027771 |
| Straight Thru | 3/8" SAE | 1/2" SAE | X-6669-4 | 051176 |
| Straight Thru | 3/8" SAE | 5/8" SAE | X-6669-1 | 050563 |
| Straight Thru | 5/8" ODF | 1-1/8" ODF | X-6346-18 | 094038 |
| Straight Thru | 5/8" ODF | 5/8" ODF | X-6346-16 | 044733 |
| Straight Thru | 5/8" ODF | 7/8" ODF | X-6346-17 | 044846 |
| Straight Thru | 7/8" ODF | 1-1/8" ODF | X-6346-34 | 071757 |