

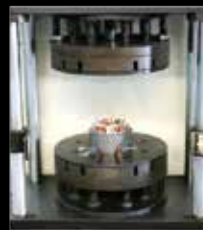
# ECHTOP<sup>®</sup> MOTOR

***New! Fire Pump Motor Ready***

SHANGHAI TOP MOTOR CO.,LTD.

SHANGHAI HALOTOP IMPORT & EXPORT CO., LTD.  
GLOBAL POWER ENGINEERING CO. LTD.





## ***WORKSHOP & TECHNOLOGY***

TECHTOP adopts computerized machine tools for metal parts; four cylinder oil hydraulic presses for stator stacking; vacuum high-pressure varnishing units for stator varnishing; clean-dry and auto-phosphorescing machines for motor housing, end shield, fan cover and other parts; electrostatic spraying-water screen-suspending line complexes for product surface painting.





# Various Certificates



ISO9001

**the standard in safety.**

File: K122353 Vol: 1 Issued: 2009-07-21  
Revised: 2009-07-21

**FOLLOW-UP SERVICE PROCEDURE (TYPE R)**

**COMPONENT - MOTORS (P002, P003)**

**Manufacturer: SEE ADDENDUM FOR MANUFACTURED LOCATIONS**

**Appliances:** SHANGHAI TOP MOTOR CO LTD  
100 KANGSHU RD  
KANGSHU INDUSTRIAL AREA  
SHANGHAI  
201315 CHINA

**Recognized Company:** SAME AS APPLICANT  
(100235-514)

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(File Immediately After Authorization Page)

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# Various Certificates

**CERTIFICATE OF COMPLIANCE**

Certificate Number: 20150114-EX26635  
Report Reference: EX26635-20141231  
Issue Date: 2015-JANUARY-14

Issued to: SHANGHAI TOP MOTOR CO LTD  
303 KANGLUJ RD, KANGQIAO INDUSTRIAL AREA,  
NANHUI, SHANGHAI 201315 CHINA

This is to certify that  
representative samples of FIRE PUMP MOTORS  
T Series, TXD Series, TDC Series, TXA Series, TXD  
Series: See Addendum Page below for Models

Have been investigated by UL in accordance with the  
Standard(s) indicated on this Certificate.

Standard(s) for Safety: UL 1004-1, Rotating Electrical Machines - General  
Requirements, UL 1004-5, Fire Pump Motors

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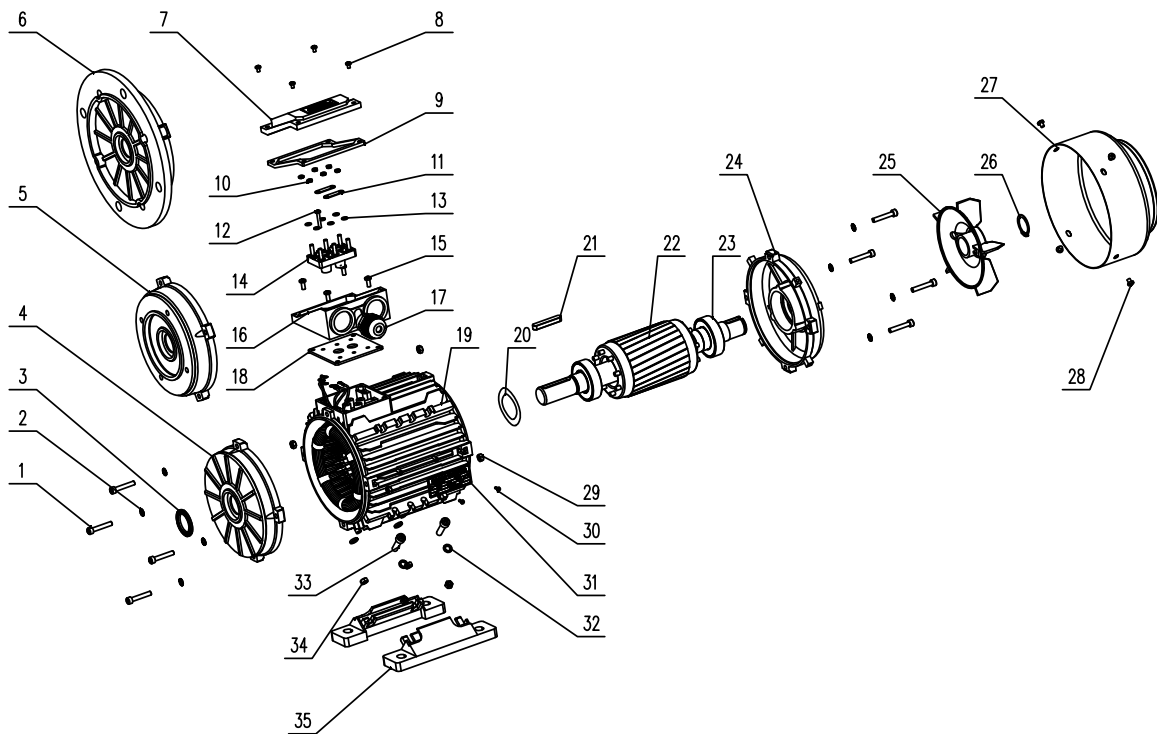
  
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UL

# Motor Spare Part List "Exploded Drawing"



- |                              |                     |                            |
|------------------------------|---------------------|----------------------------|
| 1.screw                      | 13.Terminal shim    | 25.Cooling fan             |
| 2.Gasket                     | 14.Terminal board   | 26.Fan circlip             |
| 3.V-ring                     | 15.TB fixing screws | 27.Fan cover               |
| 4.Front endshield            | 16.TB base          | 28.Fan cover fixing screws |
| 5.B14 flange                 | 17.Cable gland      | 29.Endshield fixing nut    |
| 6.B5 flange                  | 18.TB bottomgasket  | 30.Rivet                   |
| 7.TB cover                   | 19.Frame            | 31.Rivet                   |
| 8.TB fixing screws           | 20.Preload washer   | 32.Foot fixing gasket      |
| 9.TB upper gasket            | 21.Key              | 33.Foot fixing screws      |
| 10.Terminal board fixing nut | 22.Rotor            | 34.Foot fixing nut         |
| 11.Terminal bridge           | 23.Bearing          | 35.Foot                    |
| 12.Terminal pin              | 24.NDE endshield    |                            |





## Serie Fire Pump Motors' Main Performance Parameters (IEC)

| Serial NO. | Model NO.  | Volts    | Output (KW) | Output (HP) | Hz /DC | Locked current A(standard) 400V | Locked torque multiple (standard) | Maximum torque multiple (standard) | Minimum torque multiple (standard) | INS class | RPM  | The test environment temperature |
|------------|------------|----------|-------------|-------------|--------|---------------------------------|-----------------------------------|------------------------------------|------------------------------------|-----------|------|----------------------------------|
| 1          | T 801-2    | 380-415V | 0.75        | 1.0         | 50     | 19.0                            | 175                               | 250                                | 120                                | F         | 2848 | 50℃                              |
| 2          | T 802-2    | 380-415V | 1.1         | 1.5         | 50     | 25.7                            | 175                               | 250                                | 120                                | F         | 2846 | 50℃                              |
| 3          | T 803-2    | 380-415V | 1.5         | 2.0         | 50     | 32.3                            | 170                               | 240                                | 120                                | F         | 2852 | 50℃                              |
| 4          | T 90S-2    | 380-415V | 1.5         | 2.0         | 50     | 32.3                            | 170                               | 240                                | 120                                | F         | 2852 | 50℃                              |
| 5          | T 90L1-2   | 380-415V | 2.2         | 3.0         | 50     | 40.9                            | 160                               | 230                                | 110                                | F         | 2845 | 50℃                              |
| 6          | T 90L2-2   | 380-415V | 3           | 4.0         | 50     | 49.4                            | 155                               | 220                                | 105                                | F         | 2851 | 50℃                              |
| 7          | T 100L-2   | 380-415V | 3           | 4.0         | 50     | 49.4                            | 155                               | 220                                | 105                                | F         | 2851 | 50℃                              |
| 8          | T 100L2-2  | 380-415V | 4           | 5.5         | 50     | 61.8                            | 145                               | 215                                | 105                                | F         | 2910 | 50℃                              |
| 9          | T 112M-2   | 380-415V | 4           | 5.5         | 50     | 61.8                            | 145                               | 215                                | 105                                | F         | 2910 | 50℃                              |
| 10         | T 112L-2   | 380-415V | 5.5         | 7.5         | 50     | 79.8                            | 140                               | 200                                | 100                                | F         | 2905 | 50℃                              |
| 11         | T 132S1-2  | 380-415V | 5.5         | 7.5         | 50     | 79.8                            | 140                               | 200                                | 100                                | F         | 2905 | 50℃                              |
| 12         | T 132S2-2  | 380-415V | 7.5         | 10.0        | 50     | 101.7                           | 135                               | 200                                | 100                                | F         | 2910 | 50℃                              |
| 13         | T 132M1-2  | 380-415V | 9.2         | 12.0        | 50     | 118.8                           | 130                               | 200                                | 100                                | F         | 2910 | 50℃                              |
| 14         | T 132M2-2  | 380-415V | 11          | 15.0        | 50     | 146.3                           | 130                               | 200                                | 100                                | F         | 2920 | 50℃                              |
| 15         | T 160M1-2  | 380-415V | 11          | 15.0        | 50     | 146.3                           | 130                               | 200                                | 100                                | F         | 2920 | 50℃                              |
| 16         | T 160M2-2  | 380-415V | 15          | 20.0        | 50     | 184.3                           | 130                               | 200                                | 100                                | F         | 2918 | 50℃                              |
| 17         | T 160L-2   | 380-415V | 18.5        | 25.0        | 50     | 230.9                           | 130                               | 200                                | 100                                | F         | 2922 | 50℃                              |
| 18         | T 180M-2   | 380-415V | 22          | 30.0        | 50     | 274.6                           | 130                               | 200                                | 100                                | F         | 2930 | 50℃                              |
| 19         | T 200L1-2  | 380-415V | 30          | 40.0        | 50     | 367.7                           | 125                               | 200                                | 100                                | F         | 2925 | 50℃                              |
| 20         | T 200L2-2  | 380-415V | 37          | 50.0        | 50     | 457.9                           | 120                               | 200                                | 100                                | F         | 2930 | 50℃                              |
| 21         | T 225M-2   | 380-415V | 45          | 60.0        | 50     | 549.1                           | 120                               | 200                                | 100                                | F         | 2930 | 50℃                              |
| 22         | T 250M-2   | 380-415V | 55          | 75.0        | 50     | 685.9                           | 105                               | 200                                | 95                                 | F         | 2940 | 50℃                              |
| 23         | T 280S-2   | 380-415V | 75          | 100.0       | 50     | 916.8                           | 105                               | 200                                | 95                                 | F         | 2940 | 50℃                              |
| 24         | T 280M-2   | 380-415V | 90          | 125.0       | 50     | 1146.7                          | 100                               | 200                                | 90                                 | F         | 2940 | 50℃                              |
| 25         | T 315S-2   | 380-415V | 110         | 150.0       | 50     | 1369.0                          | 100                               | 200                                | 90                                 | F         | 2940 | 50℃                              |
| 26         | T 315M-2   | 380-415V | 132         | 175.0       | 50     | 1599.8                          | 100                               | 200                                | 90                                 | F         | 2940 | 50℃                              |
| 27         | T 315L1 -2 | 380-415V | 160         | 215.0       | 50     | 1900.0                          | 90                                | 175                                | 65                                 | F         | 2945 | 50℃                              |
| 28         | T 315L2 -2 | 380-415V | 200         | 270.0       | 50     | 2636.3                          | 70                                | 175                                | 65                                 | F         | 2945 | 50℃                              |
| 29         | T 355M-2   | 380-415V | 250         | 330.0       | 50     | 3125.5                          | 70                                | 175                                | 65                                 | F         | 2945 | 50℃                              |
| 30         | T 355L-2   | 380-415V | 315         | 420.0       | 50     | 4075.5                          | 70                                | 175                                | 65                                 | F         | 2945 | 50℃                              |
| 31         | T 802-4    | 380-415V | 0.75        | 1.0         | 50     | 19.0                            | 275                               | 300                                | 190                                | F         | 1420 | 50℃                              |
| 32         | T 803-4    | 380-415V | 1.1         | 1.5         | 50     | 25.7                            | 250                               | 280                                | 175                                | F         | 1425 | 50℃                              |
| 33         | T 90S-4    | 380-415V | 1.1         | 1.5         | 50     | 25.7                            | 250                               | 280                                | 175                                | F         | 1425 | 50℃                              |
| 34         | T 90L-4    | 380-415V | 1.5         | 2.0         | 50     | 32.3                            | 235                               | 270                                | 165                                | F         | 1420 | 50℃                              |
| 35         | T 90L2-4   | 380-415V | 2.2         | 3.0         | 50     | 40.9                            | 215                               | 250                                | 150                                | F         | 1430 | 50℃                              |
| 36         | T 100L1-4  | 380-415V | 2.2         | 3.0         | 50     | 40.9                            | 215                               | 250                                | 150                                | F         | 1430 | 50℃                              |
| 37         | T 100L2-4  | 380-415V | 3           | 4.0         | 50     | 49.4                            | 200                               | 230                                | 140                                | F         | 1430 | 50℃                              |
| 38         | T 100L3-4  | 380-415V | 4           | 5.5         | 50     | 61.8                            | 180                               | 225                                | 130                                | F         | 1435 | 50℃                              |
| 39         | T 112M-4   | 380-415V | 4           | 5.5         | 50     | 61.8                            | 180                               | 225                                | 130                                | F         | 1435 | 50℃                              |
| 40         | T 112L-4   | 380-415V | 5.5         | 7.5         | 50     | 79.8                            | 175                               | 215                                | 120                                | F         | 1430 | 50℃                              |
| 41         | T 132S-4   | 380-415V | 5.5         | 7.5         | 50     | 79.8                            | 175                               | 215                                | 120                                | F         | 1430 | 50℃                              |
| 42         | T 132M-4   | 380-415V | 7.5         | 10.0        | 50     | 101.7                           | 165                               | 200                                | 115                                | F         | 1430 | 50℃                              |
| 43         | T 132L1-4  | 380-415V | 9.2         | 12.0        | 50     | 118.8                           | 160                               | 200                                | 115                                | F         | 1430 | 50℃                              |
| 44         | T 132L2-4  | 380-415V | 11          | 15.0        | 50     | 146.3                           | 160                               | 200                                | 110                                | F         | 1440 | 50℃                              |
| 45         | T 160M-4   | 380-415V | 11          | 15.0        | 50     | 146.3                           | 160                               | 200                                | 110                                | F         | 1440 | 50℃                              |
| 46         | T 160L-4   | 380-415V | 15          | 20.0        | 50     | 184.3                           | 150                               | 200                                | 105                                | F         | 1445 | 50℃                              |
| 47         | T 180M-4   | 380-415V | 18.5        | 25.0        | 50     | 230.9                           | 150                               | 200                                | 105                                | F         | 1445 | 50℃                              |
| 48         | T 180L-4   | 380-415V | 22          | 30.0        | 50     | 274.6                           | 150                               | 200                                | 105                                | F         | 1460 | 50℃                              |
| 49         | T 200L-4   | 380-415V | 30          | 40.0        | 50     | 367.7                           | 140                               | 200                                | 100                                | F         | 1460 | 50℃                              |
| 50         | T 225S-4   | 380-415V | 37          | 50.0        | 50     | 457.9                           | 140                               | 200                                | 100                                | F         | 1470 | 50℃                              |



## Serie Fire Pump Motors' Main Performance Parameters (IEC)

| Serial NO. | Model NO. | Volts    | Output (KW) | Output (HP) | Hz /DC | Locked current A(standard) 400V | Locked torque multiple (standard) | Maximum torque multiple (standard) | Minimum torque multiple (standard) | INS class | RPM  | The test environment temperature |
|------------|-----------|----------|-------------|-------------|--------|---------------------------------|-----------------------------------|------------------------------------|------------------------------------|-----------|------|----------------------------------|
| 51         | T 225M-4  | 380-415V | 45          | 60.0        | 50     | 549.1                           | 140                               | 200                                | 100                                | F         | 1480 | 50℃                              |
| 52         | T 250M-4  | 380-415V | 55          | 75.0        | 50     | 685.9                           | 140                               | 200                                | 100                                | F         | 1480 | 50℃                              |
| 53         | T 280S-4  | 380-415V | 75          | 100.0       | 50     | 916.8                           | 125                               | 200                                | 100                                | F         | 1480 | 50℃                              |
| 54         | T 280M-4  | 380-415V | 90          | 125.0       | 50     | 1146.7                          | 110                               | 200                                | 100                                | F         | 1480 | 50℃                              |
| 55         | T 315S-4  | 380-415V | 110         | 150.0       | 50     | 1369.0                          | 110                               | 200                                | 100                                | F         | 1480 | 50℃                              |
| 56         | T 315M-4  | 380-415V | 132         | 175.0       | 50     | 1599.8                          | 100                               | 200                                | 90                                 | F         | 1480 | 50℃                              |
| 57         | T 315L1-4 | 380-415V | 160         | 215.0       | 50     | 1900.0                          | 90                                | 175                                | 75                                 | F         | 1480 | 50℃                              |
| 58         | T 315L2-4 | 380-415V | 200         | 270.0       | 50     | 2636.3                          | 80                                | 175                                | 75                                 | F         | 1480 | 50℃                              |
| 59         | T 355M1-4 | 380-415V | 220         | 300.0       | 50     | 2874.7                          | 80                                | 175                                | 75                                 | F         | 1480 | 50℃                              |
| 60         | T 355M2-4 | 380-415V | 250         | 330.0       | 50     | 3125.5                          | 80                                | 175                                | 75                                 | F         | 1480 | 50℃                              |
| 61         | T 355L1-4 | 380-415V | 280         | 375.0       | 50     | 3604.3                          | 80                                | 175                                | 75                                 | F         | 1480 | 50℃                              |
| 62         | T 355L2-4 | 380-415V | 315         | 420.0       | 50     | 4075.5                          | 80                                | 175                                | 75                                 | F         | 1480 | 50℃                              |
| 63         | T 355L3-4 | 380-415V | 355         | 475.0       | 50     | 4563.8                          | 80                                | 175                                | 75                                 | F         | 1480 | 50℃                              |
| 64         | T 803-6   | 380-415V | 0.75        | 1.0         | 50     | 19.0                            | 170                               | 265                                | 120                                | F         | 935  | 50℃                              |
| 65         | T 90S-6   | 380-415V | 0.75        | 1.0         | 50     | 19.0                            | 170                               | 265                                | 120                                | F         | 935  | 50℃                              |
| 66         | T 90L-6   | 380-415V | 1.1         | 1.5         | 50     | 25.7                            | 165                               | 250                                | 115                                | F         | 935  | 50℃                              |
| 67         | T 100L-6  | 380-415V | 1.5         | 2.0         | 50     | 32.3                            | 160                               | 240                                | 110                                | F         | 940  | 50℃                              |
| 68         | T 112M-6  | 380-415V | 2.2         | 3.0         | 50     | 40.9                            | 155                               | 230                                | 110                                | F         | 940  | 50℃                              |
| 69         | T 112M1-6 | 380-415V | 3           | 4.0         | 50     | 49.4                            | 150                               | 220                                | 105                                | F         | 940  | 50℃                              |
| 70         | T 112M2-6 | 380-415V | 4           | 5.5         | 50     | 61.8                            | 150                               | 215                                | 105                                | F         | 940  | 50℃                              |
| 71         | T 132S-6  | 380-415V | 3           | 4.0         | 50     | 49.4                            | 150                               | 220                                | 105                                | F         | 940  | 50℃                              |
| 72         | T 132M1-6 | 380-415V | 4           | 5.5         | 50     | 61.8                            | 150                               | 215                                | 105                                | F         | 945  | 50℃                              |
| 73         | T 132M2-6 | 380-415V | 5.5         | 7.5         | 50     | 79.8                            | 150                               | 205                                | 105                                | F         | 945  | 50℃                              |
| 74         | T 132M3-6 | 380-415V | 7.5         | 10.0        | 50     | 101.7                           | 150                               | 200                                | 105                                | F         | 945  | 50℃                              |
| 75         | T 160M-6  | 380-415V | 7.5         | 10.0        | 50     | 101.7                           | 150                               | 200                                | 105                                | F         | 955  | 50℃                              |
| 76         | T 160L-6  | 380-415V | 11          | 15.0        | 50     | 146.3                           | 140                               | 200                                | 100                                | F         | 960  | 50℃                              |
| 77         | T 180L-6  | 380-415V | 15          | 20.0        | 50     | 184.3                           | 135                               | 200                                | 100                                | F         | 960  | 50℃                              |
| 78         | T 200L1-6 | 380-415V | 18.5        | 25.0        | 50     | 230.9                           | 135                               | 200                                | 100                                | F         | 965  | 50℃                              |
| 79         | T 200L2-6 | 380-415V | 22          | 30.0        | 50     | 274.6                           | 135                               | 200                                | 100                                | F         | 965  | 50℃                              |
| 80         | T 225M-6  | 380-415V | 30          | 40.0        | 50     | 367.7                           | 135                               | 200                                | 100                                | F         | 975  | 50℃                              |
| 81         | T 250M-6  | 380-415V | 37          | 50.0        | 50     | 457.9                           | 135                               | 200                                | 100                                | F         | 975  | 50℃                              |
| 82         | T 280S-6  | 380-415V | 45          | 60.0        | 50     | 549.1                           | 135                               | 200                                | 100                                | F         | 980  | 50℃                              |
| 83         | T 280M-6  | 380-415V | 55          | 75.0        | 50     | 685.9                           | 135                               | 200                                | 100                                | F         | 980  | 50℃                              |
| 84         | T 315S-6  | 380-415V | 75          | 100.0       | 50     | 916.8                           | 125                               | 200                                | 100                                | F         | 980  | 50℃                              |
| 85         | T 315M-6  | 380-415V | 90          | 125.0       | 50     | 1146.7                          | 125                               | 200                                | 100                                | F         | 980  | 50℃                              |
| 86         | T 315L1-6 | 380-415V | 110         | 150.0       | 50     | 1369.0                          | 120                               | 200                                | 100                                | F         | 980  | 50℃                              |
| 87         | T 315L2-6 | 380-415V | 132         | 175.0       | 50     | 1599.8                          | 120                               | 200                                | 100                                | F         | 980  | 50℃                              |
| 88         | T 355M1-6 | 380-415V | 160         | 215.0       | 50     | 1900.0                          | 100                               | 175                                | 90                                 | F         | 980  | 50℃                              |
| 89         | T 355M2-6 | 380-415V | 200         | 270.0       | 50     | 2636.3                          | 100                               | 175                                | 90                                 | F         | 980  | 50℃                              |
| 90         | T 355L1-6 | 380-415V | 220         | 300.0       | 50     | 2874.7                          | 100                               | 175                                | 90                                 | F         | 980  | 50℃                              |
| 91         | T 355L2-6 | 380-415V | 250         | 330.0       | 50     | 3125.5                          | 100                               | 175                                | 90                                 | F         | 980  | 50℃                              |





## DC Serie Fire Pump Motors' Main Performance Parameters(NEMA 415V 50HZ)

| Serial NO. | Model NO.      | Current (A) 380V | Current (A) 415V | Output (HP) | Hz/DC | Locked current A(standard) 380V | Locked current A(standard) 415V | Locked torque multiple (standard) % | Maximum torque multiple (standard) % | Minimum torque multiple (standard) % | Service factor | INS class | RPM  | EFF % | Power factor |
|------------|----------------|------------------|------------------|-------------|-------|---------------------------------|---------------------------------|-------------------------------------|--------------------------------------|--------------------------------------|----------------|-----------|------|-------|--------------|
| 1          | TDC254T15U2B   | 21.7             | 19.9             | 15          | 50    | 154                             | 141                             | 130                                 | 200                                  | 100                                  | 1.15           | F         | 2920 | 87.6  | 0.9          |
| 2          | TDC256T20U2B   | 28.5             | 26.1             | 20          | 50    | 194                             | 177                             | 130                                 | 200                                  | 100                                  | 1.15           | F         | 2920 | 88.7  | 0.9          |
| 3          | TDC284TS25U2B  | 35.4             | 32.5             | 25          | 50    | 243                             | 222                             | 130                                 | 200                                  | 100                                  | 1.15           | F         | 2930 | 89.3  | 0.9          |
| 4          | TDC286TS30U2B  | 42.3             | 38.7             | 30          | 50    | 289                             | 264                             | 130                                 | 200                                  | 100                                  | 1.15           | F         | 2930 | 89.9  | 0.9          |
| 5          | TDC286TS40U2B  | 55.2             | 50.6             | 40          | 50    | 387                             | 354                             | 125                                 | 200                                  | 100                                  | 1.15           | F         | 2930 | 90.7  | 0.91         |
| 6          | TDC324TS40U2B  | 55.2             | 50.6             | 40          | 50    | 387                             | 354                             | 125                                 | 200                                  | 100                                  | 1.15           | F         | 2930 | 90.7  | 0.91         |
| 7          | TDC324TS50U2B  | 68.7             | 62.9             | 50          | 50    | 482                             | 441                             | 120                                 | 200                                  | 100                                  | 1.15           | F         | 2930 | 91.2  | 0.91         |
| 8          | TDC326TS50U2B  | 68.7             | 62.9             | 50          | 50    | 482                             | 441                             | 120                                 | 200                                  | 100                                  | 1.15           | F         | 2930 | 91.2  | 0.91         |
| 9          | TDC326TS60U2B  | 81.9             | 75.0             | 60          | 50    | 578                             | 529                             | 120                                 | 200                                  | 100                                  | 1.15           | F         | 2930 | 91.7  | 0.91         |
| 10         | TDC364TS60U2B  | 81.9             | 75.0             | 60          | 50    | 578                             | 529                             | 120                                 | 200                                  | 100                                  | 1.15           | F         | 2930 | 91.7  | 0.91         |
| 11         | TDC364TS75U2B  | 100.9            | 92.4             | 75          | 50    | 722                             | 661                             | 105                                 | 200                                  | 95                                   | 1.15           | F         | 2940 | 92.1  | 0.92         |
| 12         | TDC365TS75U2B  | 100.9            | 92.4             | 75          | 50    | 722                             | 661                             | 105                                 | 200                                  | 95                                   | 1.15           | F         | 2940 | 92.1  | 0.92         |
| 13         | TDC365TS100U2B | 133.6            | 122.3            | 100         | 50    | 965                             | 883                             | 105                                 | 200                                  | 95                                   | 1.15           | F         | 2940 | 92.7  | 0.92         |
| 14         | TDC405TS100U2B | 133.6            | 122.3            | 100         | 50    | 965                             | 883                             | 105                                 | 200                                  | 95                                   | 1.15           | F         | 2940 | 92.7  | 0.92         |
| 15         | TDC404TS125U2B | 166.5            | 152.4            | 125         | 50    | 1207                            | 1105                            | 100                                 | 200                                  | 90                                   | 1.15           | F         | 2940 | 93    | 0.92         |
| 16         | TDC405TS150U2B | 197.0            | 180.4            | 150         | 50    | 1441                            | 1319                            | 100                                 | 200                                  | 90                                   | 1.15           | F         | 2940 | 93.3  | 0.93         |
| 17         | TDC444TS125U2B | 164.7            | 150.8            | 125         | 50    | 1207                            | 1105                            | 100                                 | 200                                  | 90                                   | 1.15           | F         | 2940 | 93    | 0.93         |
| 18         | TDC445TS150U2B | 197.0            | 180.4            | 150         | 50    | 1441                            | 1319                            | 100                                 | 200                                  | 90                                   | 1.15           | F         | 2940 | 93.3  | 0.93         |
| 19         | TDC444TS200U2B | 261.3            | 239.2            | 200         | 50    | 1927                            | 1764                            | 70                                  | 175                                  | 65                                   | 1.15           | F         | 2940 | 93.8  | 0.93         |
| 20         | TDC447TS200U2B | 261.3            | 239.2            | 200         | 50    | 1927                            | 1764                            | 70                                  | 175                                  | 65                                   | 1.15           | F         | 2940 | 93.8  | 0.93         |
| 21         | TDC447TS300U2B | 391.1            | 358.1            | 300         | 50    | 3026                            | 2770                            | 70                                  | 175                                  | 65                                   | 1.15           | F         | 2940 | 94    | 0.93         |
| 22         | TDC447TS350U2B | 456.2            | 417.8            | 350         | 50    | 3542                            | 3243                            | 70                                  | 175                                  | 65                                   | 1.15           | F         | 2940 | 94    | 0.93         |
| 23         | TDC449TS250U2B | 325.9            | 298.4            | 250         | 50    | 2534                            | 2320                            | 70                                  | 175                                  | 65                                   | 1.15           | F         | 2940 | 94    | 0.93         |
| 24         | TDC449TS300U2B | 391.1            | 358.1            | 300         | 50    | 3026                            | 2770                            | 70                                  | 175                                  | 65                                   | 1.15           | F         | 2940 | 94    | 0.93         |
| 25         | TDC449TS350U2B | 456.2            | 417.8            | 350         | 50    | 3542                            | 3243                            | 70                                  | 175                                  | 65                                   | 1.15           | F         | 2940 | 94    | 0.93         |
| 26         | TDC449TS400U2B | 521.4            | 477.4            | 400         | 50    | 4046                            | 3704                            | 70                                  | 175                                  | 65                                   | 1.15           | F         | 2940 | 94    | 0.93         |
| 27         | TDC 254T15U4B  | 21.9             | 20.1             | 15          | 50    | 154                             | 141                             | 160                                 | 200                                  | 110                                  | 1.15           | F         | 1440 | 87.6  | 0.89         |
| 28         | TDC 256T20U4B  | 28.9             | 26.4             | 20          | 50    | 194                             | 177                             | 150                                 | 200                                  | 105                                  | 1.15           | F         | 1445 | 88.7  | 0.89         |
| 29         | TDC 284T25U4B  | 35.8             | 32.8             | 25          | 50    | 243                             | 222                             | 150                                 | 200                                  | 105                                  | 1.15           | F         | 1450 | 89.3  | 0.89         |
| 30         | TDC 286T30U4B  | 42.7             | 39.1             | 30          | 50    | 289                             | 264                             | 150                                 | 200                                  | 105                                  | 1.15           | F         | 1460 | 89.9  | 0.89         |
| 31         | TDC 324T40U4B  | 56.5             | 51.7             | 40          | 50    | 387                             | 354                             | 140                                 | 200                                  | 100                                  | 1.15           | F         | 1460 | 90.7  | 0.89         |
| 32         | TDC 326T50U4B  | 70.2             | 64.3             | 50          | 50    | 482                             | 441                             | 140                                 | 200                                  | 100                                  | 1.15           | F         | 1470 | 91.2  | 0.89         |
| 33         | TDC364T60U4B   | 83.8             | 76.7             | 60          | 50    | 578                             | 529                             | 140                                 | 200                                  | 100                                  | 1.15           | F         | 1480 | 91.7  | 0.89         |
| 34         | TDC365T75U4B   | 103.1            | 94.4             | 75          | 50    | 722                             | 661                             | 140                                 | 200                                  | 100                                  | 1.15           | F         | 1480 | 92.1  | 0.9          |
| 35         | TDC405T100U4B  | 136.6            | 125.1            | 100         | 50    | 965                             | 883                             | 125                                 | 200                                  | 100                                  | 1.15           | F         | 1480 | 92.7  | 0.9          |
| 36         | TDC405T125U4B  | 170.2            | 155.8            | 125         | 50    | 1207                            | 1105                            | 110                                 | 200                                  | 100                                  | 1.15           | F         | 1480 | 93    | 0.9          |
| 37         | TDC444T125U4B  | 170.2            | 155.8            | 125         | 50    | 1207                            | 1105                            | 110                                 | 200                                  | 100                                  | 1.15           | F         | 1480 | 93    | 0.9          |
| 38         | TDC444T150U4B  | 203.6            | 186.4            | 150         | 50    | 1441                            | 1319                            | 110                                 | 200                                  | 100                                  | 1.15           | F         | 1480 | 93.3  | 0.9          |
| 39         | TDC445T150U4B  | 203.6            | 186.4            | 150         | 50    | 1441                            | 1319                            | 110                                 | 200                                  | 100                                  | 1.15           | F         | 1480 | 93.3  | 0.9          |
| 40         | TDC445T200U4B  | 267.0            | 244.5            | 200         | 50    | 1927                            | 1764                            | 100                                 | 200                                  | 90                                   | 1.15           | F         | 1480 | 93.8  | 0.91         |
| 41         | TDC447T200U4B  | 267.0            | 244.5            | 200         | 50    | 1927                            | 1764                            | 100                                 | 200                                  | 90                                   | 1.15           | F         | 1480 | 93.8  | 0.91         |
| 42         | TDC447T250U4B  | 333.0            | 305.0            | 250         | 50    | 2534                            | 2320                            | 80                                  | 175                                  | 75                                   | 1.15           | F         | 1480 | 94    | 0.91         |
| 43         | TDC449T250U4B  | 333.0            | 305.0            | 250         | 50    | 3026                            | 2320                            | 80                                  | 175                                  | 75                                   | 1.15           | F         | 1480 | 94    | 0.91         |
| 44         | TDC449T300U4B  | 399.7            | 365.9            | 300         | 50    | 3026                            | 2770                            | 80                                  | 175                                  | 75                                   | 1.15           | F         | 1480 | 94    | 0.91         |
| 45         | TDC449T350U4B  | 466.3            | 426.9            | 350         | 50    | 3542                            | 3243                            | 80                                  | 175                                  | 75                                   | 1.15           | F         | 1480 | 94    | 0.91         |
| 46         | TDC 254T7.5U6B | 13.2             | 12.1             | 7.5         | 50    | 84                              | 77                              | 150                                 | 200                                  | 105                                  | 1.15           | F         | 955  | 83.1  | 0.78         |
| 47         | TDC 256T10U6B  | 15.4             | 14.1             | 10          | 50    | 107                             | 98                              | 150                                 | 200                                  | 105                                  | 1.15           | F         | 960  | 84.7  | 0.78         |
| 48         | TDC 284T15U6B  | 25.0             | 22.9             | 15          | 50    | 154                             | 141                             | 140                                 | 200                                  | 100                                  | 1.15           | F         | 960  | 86.4  | 0.79         |
| 49         | TDC 286T20U6B  | 32.9             | 30.1             | 20          | 50    | 194                             | 177                             | 135                                 | 200                                  | 100                                  | 1.15           | F         | 965  | 87.7  | 0.79         |
| 50         | TDC 324T25U6B  | 40.7             | 37.3             | 25          | 50    | 243                             | 222                             | 135                                 | 200                                  | 100                                  | 1.15           | F         | 965  | 88.6  | 0.79         |
| 51         | TDC 326T30U6B  | 48.5             | 44.4             | 30          | 50    | 289                             | 264                             | 135                                 | 200                                  | 100                                  | 1.15           | F         | 975  | 89.2  | 0.79         |
| 52         | TDC364T40U6B   | 63.2             | 57.8             | 40          | 50    | 387                             | 354                             | 135                                 | 200                                  | 100                                  | 1.15           | F         | 975  | 90.2  | 0.8          |
| 53         | TDC365T50U6B   | 78.4             | 71.8             | 50          | 50    | 482                             | 441                             | 135                                 | 200                                  | 100                                  | 1.15           | F         | 980  | 90.8  | 0.8          |
| 54         | TDC404T60U6B   | 93.5             | 85.6             | 60          | 50    | 578                             | 529                             | 135                                 | 200                                  | 100                                  | 1.15           | F         | 980  | 91.4  | 0.8          |
| 55         | TDC405T75U6B   | 114.8            | 105.1            | 75          | 50    | 722                             | 661                             | 135                                 | 200                                  | 100                                  | 1.15           | F         | 980  | 91.9  | 0.81         |
| 56         | TDC444T100U6B  | 151.9            | 139.1            | 100         | 50    | 965                             | 883                             | 125                                 | 200                                  | 100                                  | 1.15           | F         | 980  | 92.6  | 0.81         |
| 57         | TDC445T125U6B  | 189.3            | 173.3            | 125         | 50    | 1207                            | 1105                            | 125                                 | 200                                  | 100                                  | 1.15           | F         | 980  | 92.9  | 0.81         |
| 58         | TDC447T150U6B  | 226.2            | 207.1            | 150         | 50    | 1441                            | 1319                            | 120                                 | 200                                  | 100                                  | 1.15           | F         | 980  | 93.3  | 0.81         |
| 59         | TDC449T200U6B  | 300.0            | 274.7            | 200         | 50    | 1927                            | 1764                            | 120                                 | 175                                  | 100                                  | 1.15           | F         | 980  | 93.8  | 0.81         |
| 60         | TDC449T250U6B  | 374.2            | 342.6            | 250         | 50    | 2534                            | 2320                            | 100                                 | 175                                  | 90                                   | 1.15           | F         | 980  | 94    | 0.81         |



## DC Serie Fire Pump Motors' Main Performance Parameters(NEMA 60HZ)

| Serial NO. | Model NO.      | Current (A) 230V | Current (A) 460V | Current (A) 380V | Current (A) 400V | Current (A) 575V | Output (HP) | Hz/ DC | Locked current A(standard) 380V | Locked current A(standard) 400V | Locked current A(standard) 575V | Locked current A(standard) 460V | Locked torque multiple (standard)% | Maximum torque multiple (standard)% | Minimum torque multiple (standard)% | Service factor | INS class | RPM  | EFF % | Power factor |
|------------|----------------|------------------|------------------|------------------|------------------|------------------|-------------|--------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|------------------------------------|-------------------------------------|-------------------------------------|----------------|-----------|------|-------|--------------|
| 1          | TDC254T15U2B   | 35.1             | 17.5             | 21.2             | 20.2             | 14.0             | 15          | 60     | 140.4                           | 133.4                           | 92.8                            | 116.0                           | 130                                | 200                                 | 100                                 | 1.15           | F         | 3504 | 89.5  | 0.9          |
| 2          | TDC256T20U2B   | 46.4             | 23.2             | 28.1             | 26.7             | 18.6             | 20          | 60     | 175.5                           | 166.7                           | 116.0                           | 145.0                           | 130                                | 200                                 | 100                                 | 1.15           | F         | 3504 | 90.2  | 0.9          |
| 3          | TDC284T25U2B   | 57.5             | 28.7             | 34.8             | 33.0             | 23.0             | 25          | 60     | 220.9                           | 209.9                           | 146.0                           | 182.5                           | 130                                | 200                                 | 100                                 | 1.15           | F         | 3516 | 91    | 0.9          |
| 4          | TDC286T30U2B   | 69.0             | 34.5             | 41.7             | 39.7             | 27.6             | 30          | 60     | 263.3                           | 250.1                           | 174.0                           | 217.5                           | 130                                | 200                                 | 100                                 | 1.15           | F         | 3516 | 91    | 0.9          |
| 5          | TDC286T340U2B  | 90.2             | 45.1             | 54.6             | 51.9             | 36.1             | 40          | 60     | 351.1                           | 333.5                           | 232.0                           | 290.0                           | 125                                | 200                                 | 100                                 | 1.15           | F         | 3516 | 91.7  | 0.91         |
| 6          | TDC324T340U2B  | 90.2             | 45.1             | 54.6             | 51.9             | 36.1             | 40          | 60     | 351.1                           | 333.5                           | 232.0                           | 290.0                           | 125                                | 200                                 | 100                                 | 1.15           | F         | 3516 | 91.7  | 0.91         |
| 7          | TDC324T50U2B   | 112.0            | 56.0             | 67.8             | 64.4             | 44.8             | 50          | 60     | 438.8                           | 416.9                           | 290.0                           | 362.5                           | 120                                | 200                                 | 100                                 | 1.15           | F         | 3516 | 92.4  | 0.91         |
| 8          | TDC326T50U2B   | 112.0            | 56.0             | 67.8             | 64.4             | 44.8             | 50          | 60     | 438.8                           | 416.9                           | 290.0                           | 362.5                           | 120                                | 200                                 | 100                                 | 1.15           | F         | 3516 | 92.4  | 0.91         |
| 9          | TDC326T60U2B   | 133.5            | 66.7             | 80.8             | 76.8             | 53.4             | 60          | 60     | 526.6                           | 500.3                           | 348.0                           | 435.0                           | 120                                | 200                                 | 100                                 | 1.15           | F         | 3516 | 93    | 0.91         |
| 10         | TDC364T60U2B   | 133.5            | 66.7             | 80.8             | 76.8             | 53.4             | 60          | 60     | 526.6                           | 500.3                           | 348.0                           | 435.0                           | 120                                | 200                                 | 100                                 | 1.15           | F         | 3516 | 93    | 0.91         |
| 11         | TDC364T75U2B   | 165.0            | 82.5             | 99.9             | 94.9             | 66.0             | 75          | 60     | 656.7                           | 623.9                           | 434.0                           | 542.5                           | 105                                | 200                                 | 95                                  | 1.15           | F         | 3516 | 93    | 0.92         |
| 12         | TDC365T75U2B   | 165.0            | 82.5             | 99.9             | 94.9             | 66.0             | 75          | 60     | 656.7                           | 623.9                           | 434.0                           | 542.5                           | 105                                | 200                                 | 95                                  | 1.15           | F         | 3528 | 93    | 0.92         |
| 13         | TDC365T100U2B  | 220.0            | 110.0            | 133.2            | 126.5            | 88.0             | 100         | 60     | 877.6                           | 833.8                           | 580.0                           | 725.0                           | 105                                | 200                                 | 95                                  | 1.15           | F         | 3528 | 93    | 0.92         |
| 14         | TDC405T100U2B  | 220.0            | 110.0            | 133.2            | 126.5            | 88.0             | 100         | 60     | 877.6                           | 833.8                           | 580.0                           | 725.0                           | 105                                | 200                                 | 95                                  | 1.15           | F         | 3528 | 93    | 0.92         |
| 15         | TDC404T125U2B  |                  | 136.6            | 165.4            | 157.1            | 109.3            | 125         | 60     | 1098.6                          | 1043.6                          | 726.0                           | 907.5                           | 100                                | 200                                 | 90                                  | 1.15           | F         | 3528 | 93.6  | 0.92         |
| 16         | TDC405T150U2B  |                  | 162.2            | 196.4            | 186.5            | 129.8            | 150         | 60     | 1313.4                          | 1247.8                          | 868.0                           | 1085.0                          | 100                                | 200                                 | 90                                  | 1.15           | F         | 3528 | 93.6  | 0.93         |
| 17         | TDC444T125U2B  |                  | 135.2            | 163.6            | 155.5            | 108.1            | 125         | 60     | 1098.6                          | 1043.6                          | 726.0                           | 907.5                           | 100                                | 200                                 | 90                                  | 1.15           | F         | 3528 | 93.6  | 0.93         |
| 18         | TDC444T200U2B  |                  | 214.2            | 259.3            | 246.4            | 171.4            | 200         | 60     | 1755.3                          | 1667.5                          | 1160.0                          | 1450                            | 100                                | 200                                 | 90                                  | 1.15           | F         | 3570 | 94.5  | 0.93         |
| 19         | TDC445T150U2B  |                  | 162.2            | 196.4            | 186.5            | 129.8            | 150         | 60     | 1313.4                          | 1247.8                          | 868.0                           | 1085.0                          | 100                                | 200                                 | 90                                  | 1.15           | F         | 3528 | 93.6  | 0.93         |
| 20         | TDC447T200U2B  |                  | 214.2            | 259.3            | 246.4            | 171.4            | 200         | 60     | 1755.3                          | 1667.5                          | 1160.0                          | 1450                            | 100                                | 200                                 | 90                                  | 1.15           | F         | 3570 | 94.5  | 0.93         |
| 21         | TDC447T300U2B  |                  | 319.6            | 386.9            | 367.6            | 255.7            | 300         | 60     | 2663.2                          | 2530.0                          | 1760.0                          | 2200                            | 70                                 | 175                                 | 65                                  | 1.15           | F         | 3570 | 95    | 0.93         |
| 22         | TDC447T350U2B  |                  | 372.9            | 451.4            | 428.9            | 298.3            | 350         | 60     | 3086.8                          | 2932.5                          | 2040.0                          | 2550                            | 70                                 | 175                                 | 65                                  | 1.15           | F         | 3570 | 95    | 0.93         |
| 23         | TDC449T250U2B  |                  | 267.8            | 324.2            | 307.9            | 214.2            | 250         | 60     | 2209.2                          | 2098.8                          | 1460.0                          | 1825                            | 70                                 | 175                                 | 65                                  | 1.15           | F         | 3570 | 94.5  | 0.93         |
| 24         | TDC449T300U2B  |                  | 319.6            | 386.9            | 367.6            | 255.7            | 300         | 60     | 2663.2                          | 2530.0                          | 1760.0                          | 2200                            | 70                                 | 175                                 | 65                                  | 1.15           | F         | 3570 | 95    | 0.93         |
| 25         | TDC449T350U2B  |                  | 372.9            | 451.4            | 428.9            | 298.3            | 350         | 60     | 3086.8                          | 2932.5                          | 2040.0                          | 2550                            | 70                                 | 175                                 | 65                                  | 1.15           | F         | 3570 | 95    | 0.93         |
| 26         | TDC449T400U2B  |                  | 424.4            | 513.8            | 488.1            | 339.5            | 400         | 60     | 3510.5                          | 3335.0                          | 2320.0                          | 2900                            | 70                                 | 175                                 | 65                                  | 1.15           | F         | 3570 | 95.4  | 0.93         |
| 27         | TDC 254T15U4B  | 34.9             | 17.4             | 21.1             | 20.0             | 13.9             | 15          | 60     | 140.4                           | 133.4                           | 92.8                            | 116.0                           | 160                                | 200                                 | 110                                 | 1.15           | F         | 1728 | 91    | 0.89         |
| 28         | TDC 256T20U4B  | 46.5             | 23.2             | 28.1             | 26.7             | 18.6             | 20          | 60     | 175.5                           | 166.7                           | 116.0                           | 145.0                           | 150                                | 200                                 | 105                                 | 1.15           | F         | 1734 | 91    | 0.89         |
| 29         | TDC 284T25U4B  | 57.7             | 28.8             | 34.9             | 33.2             | 23.1             | 25          | 60     | 220.9                           | 209.9                           | 146.0                           | 182.5                           | 150                                | 200                                 | 105                                 | 1.15           | F         | 1740 | 91.7  | 0.89         |
| 30         | TDC 286T30U4B  | 68.7             | 34.3             | 41.6             | 39.5             | 27.5             | 30          | 60     | 263.3                           | 250.1                           | 174.0                           | 217.5                           | 150                                | 200                                 | 105                                 | 1.15           | F         | 1752 | 92.4  | 0.89         |
| 31         | TDC 324T40U4B  | 91.0             | 45.5             | 55.1             | 52.3             | 36.4             | 40          | 60     | 351.1                           | 333.5                           | 232.0                           | 290.0                           | 140                                | 200                                 | 100                                 | 1.15           | F         | 1752 | 93    | 0.89         |
| 32         | TDC 326T50U4B  | 113.7            | 56.9             | 68.8             | 65.4             | 45.5             | 50          | 60     | 438.8                           | 416.9                           | 290.0                           | 362.5                           | 140                                | 200                                 | 100                                 | 1.15           | F         | 1764 | 93    | 0.89         |
| 33         | TDC364T60U4B   | 135.6            | 67.8             | 82.1             | 78.0             | 54.2             | 60          | 60     | 526.6                           | 500.3                           | 348.0                           | 435.0                           | 140                                | 200                                 | 100                                 | 1.15           | F         | 1776 | 93.6  | 0.89         |
| 34         | TDC365T75U4B   | 168.6            | 84.3             | 102.0            | 96.9             | 67.4             | 75          | 60     | 656.7                           | 623.9                           | 434.0                           | 542.5                           | 140                                | 200                                 | 100                                 | 1.15           | F         | 1776 | 94.1  | 0.89         |
| 35         | TDC405T100U4B  | 224.8            | 112.4            | 136.1            | 129.3            | 89.9             | 100         | 60     | 877.6                           | 833.8                           | 580.0                           | 725.0                           | 125                                | 200                                 | 100                                 | 1.15           | F         | 1776 | 94.1  | 0.89         |
| 36         | TDC405T125U4B  |                  | 138.4            | 167.5            | 159.1            | 110.7            | 125         | 60     | 1098.6                          | 1043.6                          | 726.0                           | 907.5                           | 110                                | 200                                 | 100                                 | 1.15           | F         | 1776 | 94.5  | 0.9          |
| 37         | TDC444T125U4B  |                  | 138.4            | 167.5            | 159.1            | 110.7            | 125         | 60     | 1098.6                          | 1043.6                          | 726.0                           | 907.5                           | 110                                | 200                                 | 100                                 | 1.15           | F         | 1776 | 94.5  | 0.9          |
| 38         | TDC444T150U4B  |                  | 165.2            | 199.9            | 189.9            | 132.1            | 150         | 60     | 1313.4                          | 1247.8                          | 868.0                           | 1085.0                          | 110                                | 200                                 | 100                                 | 1.15           | F         | 1776 | 95    | 0.9          |
| 39         | TDC445T150U4B  |                  | 165.2            | 199.9            | 189.9            | 132.1            | 150         | 60     | 1313.4                          | 1247.8                          | 868.0                           | 1085.0                          | 110                                | 200                                 | 100                                 | 1.15           | F         | 1776 | 95    | 0.9          |
| 40         | TDC445T200U4B  |                  | 217.8            | 263.6            | 250.4            | 174.2            | 200         | 60     | 1755.3                          | 1667.5                          | 1160.0                          | 1450                            | 100                                | 200                                 | 90                                  | 1.15           | F         | 1780 | 95    | 0.91         |
| 41         | TDC447T200U4B  |                  | 217.8            | 263.6            | 250.4            | 174.2            | 200         | 60     | 1755.3                          | 1667.5                          | 1160.0                          | 1450                            | 100                                | 200                                 | 90                                  | 1.15           | F         | 1780 | 95    | 0.91         |
| 42         | TDC447T250U4B  |                  | 271.1            | 328.2            | 311.7            | 216.9            | 250         | 60     | 2209.2                          | 2098.8                          | 1460.0                          | 1825                            | 80                                 | 175                                 | 75                                  | 1.15           | F         | 1780 | 95.4  | 0.91         |
| 43         | TDC449T250U4B  |                  | 271.1            | 328.2            | 311.7            | 216.9            | 250         | 60     | 2209.2                          | 2098.8                          | 1460.0                          | 1825                            | 80                                 | 175                                 | 75                                  | 1.15           | F         | 1780 | 95.4  | 0.91         |
| 44         | TDC449T300U4B  |                  | 325.3            | 393.8            | 374.1            | 260.2            | 300         | 60     | 2663.2                          | 2530.0                          | 1760.0                          | 2200                            | 80                                 | 175                                 | 75                                  | 1.15           | F         | 1780 | 95.4  | 0.91         |
| 45         | TDC449T350U4B  |                  | 379.5            | 459.4            | 436.4            | 303.6            | 350         | 60     | 3086.8                          | 2932.5                          | 2040.0                          | 2550                            | 80                                 | 175                                 | 75                                  | 1.15           | F         | 1780 | 95.4  | 0.91         |
| 46         | TDC 254T7.5U6B | 20.5             | 10.2             | 12.4             | 11.8             | 8.2              | 7.5         | 60     | 76.9                            | 73.0                            | 50.8                            | 63.5                            | 150                                | 200                                 | 105                                 | 1.15           | F         | 1146 | 88.5  | 0.78         |
| 47         | TDC 256T10U6B  | 26.8             | 13.4             | 16.2             | 15.4             | 10.7             | 10          | 60     | 98.1                            | 93.2                            | 64.8                            | 81.0                            | 150                                | 200                                 | 105                                 | 1.15           | F         | 1152 | 90.2  | 0.78         |
| 48         | TDC 284T15U6B  | 39.6             | 19.8             | 24.0             | 22.8             | 15.9             | 15          | 60     | 140.4                           | 133.4                           | 92.8                            | 116.0                           | 140                                | 200                                 | 100                                 | 1.15           | F         | 1152 | 90.2  | 0.79         |
| 49         | TDC 286T20U6B  | 52.4             | 26.2             | 31.7             | 30.1             | 21.0             | 20          | 60     | 175.5                           | 166.7                           | 116.0                           | 145.0                           | 135                                | 200                                 | 100                                 | 1.15           | F         | 1158 | 91    | 0.79         |
| 50         | TDC 324T25U6B  | 65.0             | 32.5             | 39.3             | 37.4             | 26.0             | 25          | 60     | 220.9                           | 209.9                           | 146.0                           | 182.5                           | 135                                | 200                                 | 100                                 | 1.15           | F         | 1158 | 91.7  | 0.79         |
| 51         | TDC 326T30U6B  | 77.4             | 38.7             | 46.8             | 44.5             | 31.0             | 30          | 60     | 263.3                           | 250.1                           | 174.0                           | 217.5                           | 135                                | 200                                 | 100                                 | 1.15           | F         | 1170 | 92.4  | 0.79         |
| 52         | TDC364T40U6B   | 101.2            | 50.6             | 61.3             | 58.2             | 40.5             | 40          | 60     | 351.1                           | 333.5                           | 232.0                           | 290.0                           | 135                                | 200                                 | 100                                 | 1.15           | F         | 1170 | 93    | 0.8          |
| 53         | TDC365T50U6B   | 126.5            | 63.3             | 76.6             | 72.8             | 50.6             | 50          | 60     | 438.8                           | 416.9                           | 290.0                           | 362.5                           | 135                                | 200                                 | 100                                 | 1.15           | F         | 1176 | 93    | 0.8          |
| 54         | TDC404T60U6B   | 150.9            | 75.4             | 91.3             | 86.7             | 60.3             | 60          | 60     | 526.6                           | 500.3                           | 348.0                           | 435.0                           | 135                                | 200                                 | 100                                 | 1.15           | F         | 1176 | 93.6  | 0.8          |
| 55         | TDC405T75U6B   | 186.2            | 93.1             | 112.7            | 107.1            | 74.5             | 75          | 60     | 656.7                           | 623.9                           | 434.0                           | 542.5                           | 135                                | 200                                 | 100                                 | 1.15           | F         | 1176 | 93.6  | 0.81         |
| 56         | TDC444T100U6B  | 247.0            | 123.5            | 149.5            | 142.0            | 98.8             | 100         | 60     | 877.6                           | 833.8                           | 580.0                           | 725.0                           | 125                                | 200                                 | 100                                 | 1.15           | F         | 1176 | 94.1  | 0.81         |
| 57         | TDC445T125U6B  |                  | 154.4            | 186.9            | 177.5            | 123.5            | 125         | 60     | 1098.6                          | 1043.6                          | 726.0                           | 907.5                           | 125                                | 200                                 | 100                                 | 1.15           | F         | 1176 | 94.1  | 0.81         |
| 58         | TDC447T150U6B  |                  | 184.5            | 223.3            | 212.1            | 147.6            | 150         | 60     | 1313.4                          | 1247.8                          | 868.0                           | 1085                            | 120                                | 200                                 | 100                                 | 1.15           | F         | 1180 | 94.5  | 0.81         |
| 59         | TDC449T200U6B  |                  | 246.0            | 297.7            | 282.9            | 196.8            | 200         | 60     | 1755.3                          | 1667.5                          | 1160.0                          | 1450                            | 120                                | 200                                 | 100                                 | 1.15           | F         | 1180 | 94.5  | 0.81         |
| 60         | TDC449T250U6B  |                  | 304.6            | 368.7            | 350.2            | 243.6            | 250         | 60     | 2209.2                          | 2098.8                          | 1460.0                          | 1825                            | 100                                | 175                                 | 90                                  | 1.15           | F         | 1180 | 95.4  | 0.81         |



## XC Serie Fire Pump Motors' Main Performance Parameters(NEMA 60HZ)

| Serial NO. | Model NO.        | Current (A) 230V | Current (A) 460V | Current (A) 380V | Current (A) 400V | Current (A) 575V | Output (HP) | Hz/DC | Locked current A(standard) 380V | Locked current A(standard) 400V | Locked current A(standard) 575V | Locked current A(standard) 460V | Locked torque multiple (standard)% | Maximum torque multiple (standard)% | Minimum torque multiple (standard)% | Service factor | INS class | RPM  | EFF % | Power factor |
|------------|------------------|------------------|------------------|------------------|------------------|------------------|-------------|-------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|------------------------------------|-------------------------------------|-------------------------------------|----------------|-----------|------|-------|--------------|
| 1          | TXC 143T1U2B     | 2.8              | 1.4              | 1.7              | 1.6              | 1.1              | 1           | 60    | 18.2                            | 17.3                            | 12.0                            | 15                              | 175                                | 250                                 | 120                                 | 1.15           | F         | 3450 | 75.5  | 0.88         |
| 2          | TXC 143T1.5U2B   | 3.9              | 1.9              | 2.4              | 2.2              | 1.6              | 1.5         | 60    | 24.2                            | 23.0                            | 16.0                            | 20                              | 175                                | 250                                 | 120                                 | 1.15           | F         | 3450 | 82.5  | 0.88         |
| 3          | TXC 145T2U2B     | 5.0              | 2.5              | 3.0              | 2.9              | 2.0              | 2           | 60    | 30.3                            | 28.8                            | 20.0                            | 25                              | 170                                | 240                                 | 120                                 | 1.15           | F         | 3450 | 84    | 0.89         |
| 4          | TXC 182T3U2B     | 7.4              | 3.7              | 4.5              | 4.3              | 3.0              | 3           | 60    | 38.7                            | 36.8                            | 25.6                            | 32                              | 160                                | 230                                 | 110                                 | 1.15           | F         | 3510 | 85.5  | 0.89         |
| 5          | TXC 184T5U2B     | 12.1             | 6.0              | 7.3              | 7.0              | 4.8              | 5           | 60    | 55.7                            | 52.9                            | 36.8                            | 46                              | 150                                | 215                                 | 105                                 | 1.15           | F         | 3510 | 87.5  | 0.89         |
| 6          | TXC 213T7.5U2B   | 17.9             | 9.0              | 10.9             | 10.3             | 7.2              | 7.5         | 60    | 76.9                            | 73.0                            | 50.8                            | 63.5                            | 140                                | 200                                 | 100                                 | 1.15           | F         | 3520 | 88.5  | 0.89         |
| 7          | TXC 215T10U2B    | 23.6             | 11.8             | 14.3             | 13.6             | 9.5              | 10          | 60    | 98.1                            | 93.2                            | 64.8                            | 81                              | 135                                | 200                                 | 100                                 | 1.15           | F         | 3520 | 89.5  | 0.89         |
| 8          | TXC 254T15U2B    | 34.8             | 17.4             | 21.1             | 20.0             | 13.9             | 15          | 60    | 140.4                           | 133.4                           | 92.8                            | 116                             | 130                                | 200                                 | 100                                 | 1.15           | F         | 3510 | 90.2  | 0.9          |
| 9          | TXC 256T20U2B    | 46.4             | 23.2             | 28.1             | 26.7             | 18.6             | 20          | 60    | 175.5                           | 166.8                           | 116.0                           | 145                             | 130                                | 200                                 | 100                                 | 1.15           | F         | 3540 | 90.2  | 0.9          |
| 10         | TXC 284TS25U2B   | 57.5             | 28.7             | 34.8             | 33.0             | 23.0             | 25          | 60    | 220.9                           | 209.9                           | 146.0                           | 182.5                           | 130                                | 200                                 | 100                                 | 1.15           | F         | 3550 | 91    | 0.9          |
| 11         | TXC 286TS30U2B   | 69.0             | 34.5             | 41.7             | 39.7             | 27.6             | 30          | 60    | 263.3                           | 250.1                           | 174.0                           | 217.5                           | 130                                | 200                                 | 100                                 | 1.15           | F         | 3550 | 91    | 0.9          |
| 12         | TXC 324TS40U2B   | 90.2             | 45.1             | 54.6             | 51.9             | 36.1             | 40          | 60    | 351.1                           | 333.5                           | 232.0                           | 290                             | 125                                | 200                                 | 100                                 | 1.15           | F         | 3560 | 91.7  | 0.91         |
| 13         | TXC 326TS50U2B   | 112.0            | 56.0             | 67.8             | 64.4             | 44.8             | 50          | 60    | 438.8                           | 416.9                           | 290.0                           | 362.5                           | 120                                | 200                                 | 100                                 | 1.15           | F         | 3560 | 92.4  | 0.91         |
| 14         | TXC364TS60U2B    | 133.5            | 66.7             | 80.8             | 76.8             | 53.4             | 60          | 60    | 526.6                           | 500.3                           | 348.0                           | 435                             | 120                                | 200                                 | 100                                 | 1.15           | F         | 3560 | 93    | 0.91         |
| 15         | TXC365TS75U2B    | 165.0            | 82.5             | 99.9             | 94.9             | 66.0             | 75          | 60    | 656.7                           | 623.9                           | 434.0                           | 542.5                           | 105                                | 200                                 | 95                                  | 1.15           | F         | 3560 | 93    | 0.92         |
| 16         | TXC405TS100U2B   | 218.6            | 109.3            | 132.3            | 125.7            | 87.5             | 100         | 60    | 877.6                           | 833.8                           | 580.0                           | 725                             | 105                                | 200                                 | 95                                  | 1.15           | F         | 3570 | 93.6  | 0.92         |
| 17         | TXC444TS125U2B   |                  | 134.1            | 162.3            | 154.2            | 107.3            | 125         | 60    | 1098.6                          | 1043.6                          | 726.0                           | 907.5                           | 100                                | 200                                 | 90                                  | 1.15           | F         | 3575 | 95.4  | 0.92         |
| 18         | TXC445TS150U2B   |                  | 159.0            | 192.5            | 182.8            | 127.2            | 150         | 60    | 1313.4                          | 1247.8                          | 868.0                           | 1085                            | 100                                | 200                                 | 90                                  | 1.15           | F         | 3575 | 95.5  | 0.93         |
| 19         | TXC447TS200U2B   |                  | 213.1            | 258.0            | 245.1            | 170.5            | 200         | 60    | 1755.3                          | 1667.5                          | 1160.0                          | 1450                            | 100                                | 200                                 | 90                                  | 1.15           | F         | 3575 | 95    | 0.93         |
| 20         | TXC449TS250U2B   |                  | 265.3            | 321.1            | 305.0            | 212.2            | 250         | 60    | 2209.2                          | 2098.8                          | 1460.0                          | 1825                            | 70                                 | 175                                 | 65                                  | 1.15           | F         | 3575 | 95.4  | 0.93         |
| 21         | TXC449TS300U2B   |                  | 318.3            | 385.3            | 366.1            | 254.6            | 300         | 60    | 2663.2                          | 2530.0                          | 1760.0                          | 2200                            | 70                                 | 175                                 | 65                                  | 1.15           | F         | 3575 | 95.4  | 0.93         |
| 22         | TXC586/7TS350U2B |                  | 371.4            | 449.5            | 427.1            | 297.1            | 350         | 60    | 3086.8                          | 2932.5                          | 2040.0                          | 2550                            | 70                                 | 175                                 | 65                                  | 1.15           | F         | 3576 | 95.4  | 0.93         |
| 23         | TXC586/7TS400U2B |                  | 422.6            | 511.6            | 486.0            | 338.1            | 400         | 60    | 3510.5                          | 3335.0                          | 2320.0                          | 2900                            | 70                                 | 175                                 | 65                                  | 1.15           | F         | 3577 | 95.8  | 0.93         |
| 24         | TXC586/7TS450U2B |                  | 475.5            | 575.6            | 546.8            | 380.4            | 450         | 60    | 3934.2                          | 3737.5                          | 2600.0                          | 3250                            | 70                                 | 175                                 | 65                                  | 1.15           | F         | 3578 | 95.8  | 0.93         |
| 25         | TXC 143T1U4B     | 2.6              | 1.3              | 1.6              | 1.5              | 1.0              | 1           | 60    | 18.2                            | 17.3                            | 12.0                            | 15                              | 275                                | 300                                 | 190                                 | 1.15           | F         | 1730 | 82.5  | 0.88         |
| 26         | TXC 145T1.5U4B   | 3.8              | 1.9              | 2.3              | 2.2              | 1.5              | 1.5         | 60    | 24.2                            | 23.0                            | 16.0                            | 20                              | 250                                | 280                                 | 175                                 | 1.15           | F         | 1730 | 84    | 0.88         |
| 27         | TXC 145T2U4B     | 5.1              | 2.5              | 3.1              | 2.9              | 2.0              | 2           | 60    | 30.3                            | 28.8                            | 20.0                            | 25                              | 235                                | 270                                 | 165                                 | 1.15           | F         | 1730 | 84    | 0.88         |
| 28         | TXC 182T3U4B     | 7.3              | 3.7              | 4.4              | 4.2              | 2.9              | 3           | 60    | 38.7                            | 36.8                            | 25.6                            | 32                              | 215                                | 250                                 | 150                                 | 1.15           | F         | 1735 | 87.5  | 0.88         |
| 29         | TXC 184T5U4B     | 12.2             | 6.1              | 7.4              | 7.0              | 4.9              | 5           | 60    | 55.7                            | 52.9                            | 36.8                            | 46                              | 185                                | 225                                 | 130                                 | 1.15           | F         | 1735 | 87.5  | 0.88         |
| 30         | TXC 213T7.5U4B   | 17.9             | 9.0              | 10.9             | 10.3             | 7.2              | 7.5         | 60    | 76.9                            | 73.0                            | 50.8                            | 63.5                            | 175                                | 215                                 | 120                                 | 1.15           | F         | 1740 | 89.5  | 0.88         |
| 31         | TXC 215T10U4B    | 23.9             | 12.0             | 14.5             | 13.7             | 9.6              | 10          | 60    | 98.1                            | 93.2                            | 64.8                            | 81                              | 165                                | 200                                 | 115                                 | 1.15           | F         | 1740 | 89.5  | 0.88         |
| 32         | TXC 254T15U4B    | 34.9             | 17.4             | 21.1             | 20.0             | 13.9             | 15          | 60    | 140.4                           | 133.4                           | 92.8                            | 116                             | 160                                | 200                                 | 110                                 | 1.15           | F         | 1750 | 91    | 0.89         |
| 33         | TXC 256T20U4B    | 46.5             | 23.2             | 28.1             | 26.7             | 18.6             | 20          | 60    | 175.5                           | 166.8                           | 116.0                           | 145                             | 150                                | 200                                 | 105                                 | 1.15           | F         | 1750 | 91    | 0.89         |
| 34         | TXC 284T25U4B    | 57.2             | 28.6             | 34.6             | 32.9             | 22.9             | 25          | 60    | 220.9                           | 209.9                           | 146.0                           | 182.5                           | 150                                | 200                                 | 105                                 | 1.15           | F         | 1760 | 92.4  | 0.89         |
| 35         | TXC 286T30U4B    | 68.7             | 34.3             | 41.6             | 39.5             | 27.5             | 30          | 60    | 263.3                           | 250.1                           | 174.0                           | 217.5                           | 150                                | 200                                 | 105                                 | 1.15           | F         | 1760 | 92.4  | 0.89         |
| 36         | TXC 324T40U4B    | 91.0             | 45.5             | 55.1             | 52.3             | 36.4             | 40          | 60    | 351.1                           | 333.5                           | 232.0                           | 290                             | 140                                | 200                                 | 100                                 | 1.15           | F         | 1770 | 93    | 0.89         |
| 37         | TXC 326T50U4B    | 113.7            | 56.9             | 68.8             | 65.4             | 45.5             | 50          | 60    | 438.8                           | 416.9                           | 290.0                           | 362.5                           | 140                                | 200                                 | 100                                 | 1.15           | F         | 1770 | 93    | 0.89         |
| 38         | TXC364T60U4B     | 135.6            | 67.8             | 82.1             | 78.0             | 54.2             | 60          | 60    | 526.6                           | 500.3                           | 348.0                           | 435                             | 140                                | 200                                 | 100                                 | 1.15           | F         | 1775 | 93.6  | 0.89         |
| 39         | TXC365T75U4B     | 166.7            | 83.4             | 100.9            | 95.9             | 66.7             | 75          | 60    | 656.7                           | 623.9                           | 434.0                           | 542.5                           | 140                                | 200                                 | 100                                 | 1.15           | F         | 1775 | 94.1  | 0.9          |
| 40         | TXC405T100U4B    | 221.4            | 110.7            | 134.0            | 127.3            | 88.5             | 100         | 60    | 877.6                           | 833.8                           | 580.0                           | 725                             | 125                                | 200                                 | 100                                 | 1.15           | F         | 1780 | 94.5  | 0.9          |
| 41         | TXC444T125U4B    |                  | 136.8            | 165.6            | 157.4            | 109.5            | 125         | 60    | 1098.6                          | 1043.6                          | 726.0                           | 907.5                           | 110                                | 200                                 | 100                                 | 1.15           | F         | 1780 | 94.5  | 0.91         |
| 42         | TXC445T150U4B    |                  | 163.3            | 197.7            | 187.8            | 130.7            | 150         | 60    | 1313.4                          | 1247.8                          | 868.0                           | 1085                            | 110                                | 200                                 | 100                                 | 1.15           | F         | 1780 | 95    | 0.91         |
| 43         | TXC447T200U4B    |                  | 217.8            | 263.6            | 250.4            | 174.2            | 200         | 60    | 1755.3                          | 1667.5                          | 1160.0                          | 1450                            | 100                                | 200                                 | 90                                  | 1.15           | F         | 1780 | 95    | 0.91         |
| 44         | TXC449T250U4B    |                  | 272.2            | 329.5            | 313.1            | 217.8            | 250         | 60    | 2209.2                          | 2098.8                          | 1460.0                          | 1825                            | 80                                 | 175                                 | 75                                  | 1.15           | F         | 1780 | 95    | 0.91         |
| 45         | TXC449T300U4B    |                  | 325.3            | 393.8            | 374.1            | 260.2            | 300         | 60    | 2663.2                          | 2530.0                          | 1760.0                          | 2200                            | 80                                 | 175                                 | 75                                  | 1.15           | F         | 1781 | 95.4  | 0.91         |
| 46         | TXC586/7T350U4B  |                  | 379.5            | 459.4            | 436.4            | 303.6            | 350         | 60    | 3086.8                          | 2932.5                          | 2040.0                          | 2550                            | 80                                 | 175                                 | 75                                  | 1.15           | F         | 1782 | 95.4  | 0.91         |
| 47         | TXC586/7T400U4B  |                  | 433.7            | 525.0            | 498.8            | 347.0            | 400         | 60    | 3510.5                          | 3335.0                          | 2320.0                          | 2900                            | 80                                 | 175                                 | 75                                  | 1.15           | F         | 1783 | 95.4  | 0.91         |
| 48         | TXC586/7T450U4B  |                  | 488.0            | 590.7            | 561.1            | 390.4            | 450         | 60    | 3934.2                          | 3737.5                          | 2600.0                          | 3250                            | 80                                 | 175                                 | 75                                  | 1.15           | F         | 1784 | 95.4  | 0.91         |
| 49         | TXC 145T1U6B     | 3.1              | 1.5              | 1.9              | 1.8              | 1.2              | 1           | 60    | 18.2                            | 17.3                            | 12.0                            | 15                              | 170                                | 265                                 | 120                                 | 1.15           | F         | 1150 | 80    | 0.76         |
| 50         | TXC 182T1.5U6B   | 4.3              | 2.1              | 2.6              | 2.5              | 1.7              | 1.5         | 60    | 24.2                            | 23.0                            | 16.0                            | 20                              | 165                                | 250                                 | 115                                 | 1.15           | F         | 1150 | 85.5  | 0.77         |
| 51         | TXC 184T2U6B     | 5.7              | 2.8              | 3.4              | 3.3              | 2.3              | 2           | 60    | 30.3                            | 28.8                            | 20.0                            | 25                              | 160                                | 240                                 | 110                                 | 1.15           | F         | 1150 | 86.5  | 0.77         |
| 52         | TXC 213T3U6B     | 8.4              | 4.2              | 5.1              | 4.8              | 3.4              | 3           | 60    | 38.7                            | 36.8                            | 25.6                            | 32                              | 155                                | 230                                 | 110                                 | 1.15           | F         | 1150 | 87.5  | 0.77         |
| 53         | TXC 215T5U6B     | 14.0             | 7.0              | 8.5              | 8.0              | 5.6              | 5           | 60    | 55.7                            | 52.9                            | 36.8                            | 46                              | 150                                | 215                                 | 105                                 | 1.15           | F         | 1160 | 87.5  | 0.77         |
| 54         | TXC 254T7.5U6B   | 20.5             | 10.2             | 12.4             | 11.8             | 8.2              | 7.5         | 60    | 76.9                            | 73.0                            | 50.8                            | 63.5                            | 150                                | 200                                 | 105                                 | 1.15           | F         | 1160 | 89.5  | 0.77         |
| 55         | TXC 256T10U6B    | 27.3             | 13.7             | 16.5             | 15.7             | 10.9             | 10          | 60    | 98.1                            | 93.2                            | 64.8                            | 81                              | 150                                | 200                                 | 105                                 | 1.15           | F         | 1165 | 89.5  | 0.77         |
| 56         | TXC 284T15U6B    | 40.1             | 20.1             | 24.3             | 23.1             | 16.1             | 15          | 60    | 140.4                           | 133.4                           | 92.8                            | 116                             | 140                                | 200                                 | 100                                 | 1.15           | F         | 1165 | 90.2  | 0.78         |
| 57         | TXC 286T20U6B    | 53.5             | 26.8             | 32.4             | 30.8             | 21.4             | 20          | 60    | 175.5                           | 166.8                           | 116.0                           | 145                             | 135                                | 200                                 | 100                                 | 1.15           | F         | 1170 | 90.2  | 0.78         |
| 58         | TXC 324T25U6B    | 65.0             | 32.5             | 39.3             | 37.4             | 26.0             | 25          | 60    | 220.9                           | 209.9                           | 146.0                           | 182.5                           | 135                                | 200                                 | 100                                 | 1.15           | F         | 1170 | 91.7  | 0.79         |
| 59         | TXC 326T30U6B    | 78.0             | 39.0             | 47.2             | 44.8             | 31.2             | 30          | 60    | 263.3                           | 250.1                           | 174.0                           | 217.5                           | 135                                | 200                                 | 100                                 | 1.15           | F         | 1175 | 91.7  | 0.79         |
| 60         | TXC364T40U6B     | 101.2            | 50.6             | 61.3             | 58.2             | 40.5             | 40          | 60    | 351.1                           | 333.5                           | 232.0                           | 290                             | 135                                | 200                                 | 100                                 | 1.15           | F         | 1175 | 93    | 0.8          |
| 61         | TXC365T50U6B     | 126.5            | 63.3             | 76.6             | 72.8             | 50.6             | 50          | 60    | 438.8                           | 416.9                           | 290.0                           | 362.5                           | 135                                | 200                                 | 100                                 | 1.15           | F         | 1180 | 93    | 0.8          |
| 62         | TXC404T60U6B     | 150.9            | 75.4             | 91.3             | 86.7             | 60.3             | 60          | 60    | 526.6                           | 500.3                           | 348.0                           | 435                             | 135                                | 200                                 | 100                                 | 1.15           | F         | 1180 | 93.6  | 0.8          |
| 63         | TXC405T75U6B     | 186.2            | 93.1             | 112.7            | 107.1            | 74.5             | 75          | 60    | 656.7                           | 623.9                           | 434.0                           | 542.5                           | 135                                | 200                                 | 100                                 | 1.15           | F         | 1180 | 93.6  | 0.81         |
| 64         | TXC444T100U6B    | 247.0            | 123.5            | 149.5            | 142.0            | 98.8             | 100         | 60    | 877.6                           | 833.8                           | 580.0                           | 725                             | 125                                | 200                                 | 100                                 | 1.15           | F         | 1180 | 94.1  | 0.81         |
|            |                  |                  |                  |                  |                  |                  |             |       |                                 |                                 |                                 |                                 |                                    |                                     |                                     |                |           |      |       |              |





## XC Serie Fire Pump Motors' Main Performance Parameters(NEMA 208~230/460V 60HZ)

| Serial NO. | Model NO.        | Current (A) 380V | Current (A) 415V | Output (HP) | Hz/DC | Locked current A (standard) 380V | Locked current A(standard) 415V | Locked torque multiple (standard) % | Maximum torque multiple (standard) % | Minimum torque multiple (standard) % | Service factor | INS class | RPM  | EFF % | Power factor |
|------------|------------------|------------------|------------------|-------------|-------|----------------------------------|---------------------------------|-------------------------------------|--------------------------------------|--------------------------------------|----------------|-----------|------|-------|--------------|
| 1          | TXC 143T1U2B     | 1.8              | 1.6              | 1           | 50    | 20                               | 18.3                            | 175                                 | 250                                  | 120                                  | 1.15           | F         | 2875 | 72.1  | 0.88         |
| 2          | TXC 143T1.5U2B   | 2.6              | 2.4              | 1.5         | 50    | 27                               | 24.7                            | 175                                 | 250                                  | 120                                  | 1.15           | F         | 2875 | 75    | 0.88         |
| 3          | TXC 145T2U2B     | 3.3              | 3.0              | 2           | 50    | 34                               | 31.1                            | 170                                 | 240                                  | 120                                  | 1.15           | F         | 2875 | 77.2  | 0.89         |
| 4          | TXC 182T3U2B     | 4.8              | 4.4              | 3           | 50    | 43                               | 39.4                            | 160                                 | 230                                  | 110                                  | 1.15           | F         | 2925 | 79.7  | 0.89         |
| 5          | TXC 184T5U2B     | 7.9              | 7.2              | 5           | 50    | 61                               | 55.9                            | 150                                 | 215                                  | 105                                  | 1.15           | F         | 2925 | 81.5  | 0.89         |
| 6          | TXC 213T7.5U2B   | 11.3             | 10.4             | 7.5         | 50    | 84                               | 76.9                            | 140                                 | 200                                  | 100                                  | 1.15           | F         | 2933 | 84.7  | 0.89         |
| 7          | TXC 215T10U2B    | 14.9             | 13.6             | 10          | 50    | 107                              | 98.0                            | 135                                 | 200                                  | 100                                  | 1.15           | F         | 2933 | 86    | 0.89         |
| 8          | TXC 254T15U2B    | 21.7             | 19.9             | 15          | 50    | 154                              | 141.0                           | 130                                 | 200                                  | 100                                  | 1.15           | F         | 2950 | 87.6  | 0.9          |
| 9          | TXC 256T20U2B    | 28.5             | 26.1             | 20          | 50    | 194                              | 177.6                           | 130                                 | 200                                  | 100                                  | 1.15           | F         | 2950 | 88.7  | 0.9          |
| 10         | TXC 284TS25U2B   | 35.4             | 32.5             | 25          | 50    | 243                              | 222.5                           | 130                                 | 200                                  | 100                                  | 1.15           | F         | 2958 | 89.3  | 0.9          |
| 11         | TXC 286TS30U2B   | 42.3             | 38.7             | 30          | 50    | 289                              | 264.6                           | 130                                 | 200                                  | 100                                  | 1.15           | F         | 2958 | 89.9  | 0.9          |
| 12         | TXC 324TS40U2B   | 55.2             | 50.6             | 40          | 50    | 387                              | 354.4                           | 125                                 | 200                                  | 100                                  | 1.15           | F         | 2967 | 90.7  | 0.91         |
| 13         | TXC 326TS50U2B   | 68.7             | 62.9             | 50          | 50    | 482                              | 441.3                           | 120                                 | 200                                  | 100                                  | 1.15           | F         | 2967 | 91.2  | 0.91         |
| 14         | TXC364TS60U2B    | 81.9             | 75.0             | 60          | 50    | 578                              | 529.3                           | 120                                 | 200                                  | 100                                  | 1.15           | F         | 2967 | 91.7  | 0.91         |
| 15         | TXC365TS75U2B    | 100.9            | 92.4             | 75          | 50    | 722                              | 661.1                           | 105                                 | 200                                  | 95                                   | 1.15           | F         | 2967 | 92.1  | 0.92         |
| 16         | TXC405TS100U2B   | 133.6            | 122.3            | 100         | 50    | 965                              | 883.6                           | 105                                 | 200                                  | 95                                   | 1.15           | F         | 2975 | 92.7  | 0.92         |
| 17         | TXC444TS125U2B   | 166.5            | 152.4            | 125         | 50    | 1207                             | 1105.2                          | 100                                 | 200                                  | 90                                   | 1.15           | F         | 2979 | 93    | 0.92         |
| 18         | TXC445TS150U2B   | 197.0            | 180.4            | 150         | 50    | 1441                             | 1319.5                          | 100                                 | 200                                  | 90                                   | 1.15           | F         | 2979 | 93.3  | 0.93         |
| 19         | TXC447TS200U2B   | 262.1            | 240.0            | 200         | 50    | 1927                             | 1764.5                          | 100                                 | 200                                  | 90                                   | 1.15           | F         | 2979 | 93.5  | 0.93         |
| 20         | TXC449TS250U2B   | 326.6            | 299.0            | 250         | 50    | 2534                             | 2320.3                          | 70                                  | 175                                  | 65                                   | 1.15           | F         | 2979 | 93.8  | 0.93         |
| 21         | TXC449TS300U2B   | 391.1            | 358.1            | 300         | 50    | 3026                             | 2770.8                          | 70                                  | 175                                  | 65                                   | 1.15           | F         | 2979 | 94    | 0.93         |
| 22         | TXC586/7TS350U2B | 456.2            | 417.8            | 350         | 50    | 3542                             | 3243.3                          | 70                                  | 175                                  | 65                                   | 1.15           | F         | 2980 | 94    | 0.93         |
| 23         | TXC586/7TS400U2B | 521.4            | 477.4            | 400         | 50    | 4046                             | 3704.8                          | 70                                  | 175                                  | 65                                   | 1.15           | F         | 2981 | 94    | 0.93         |
| 24         | TXC586/7TS450U2B | 586.6            | 537.1            | 450         | 50    | 4539                             | 4156.2                          | 70                                  | 175                                  | 65                                   | 1.15           | F         | 2982 | 94    | 0.93         |
| 25         | TXC 143T1U4B     | 1.8              | 1.6              | 1           | 50    | 20                               | 18.3                            | 275                                 | 300                                  | 190                                  | 1.15           | F         | 1442 | 72.1  | 0.88         |
| 26         | TXC 145T1.5U4B   | 2.6              | 2.4              | 1.5         | 50    | 27                               | 24.7                            | 250                                 | 280                                  | 175                                  | 1.15           | F         | 1442 | 75    | 0.88         |
| 27         | TXC 145T2U4B     | 3.4              | 3.1              | 2           | 50    | 34                               | 31.1                            | 235                                 | 270                                  | 165                                  | 1.15           | F         | 1442 | 77.2  | 0.88         |
| 28         | TXC 182T3U4B     | 4.9              | 4.5              | 3           | 50    | 43                               | 39.4                            | 215                                 | 250                                  | 150                                  | 1.15           | F         | 1446 | 79.7  | 0.88         |
| 29         | TXC 184T5U4B     | 7.9              | 7.3              | 5           | 50    | 61                               | 55.9                            | 185                                 | 225                                  | 130                                  | 1.15           | F         | 1446 | 81.5  | 0.88         |
| 30         | TXC 213T7.5U4B   | 11.5             | 10.5             | 7.5         | 50    | 84                               | 76.9                            | 175                                 | 215                                  | 120                                  | 1.15           | F         | 1450 | 84.7  | 0.88         |
| 31         | TXC 215T10U4B    | 15.1             | 13.8             | 10          | 50    | 107                              | 98.0                            | 165                                 | 200                                  | 115                                  | 1.15           | F         | 1450 | 86    | 0.88         |
| 32         | TXC 254T15U4B    | 21.9             | 20.1             | 15          | 50    | 154                              | 141.0                           | 160                                 | 200                                  | 110                                  | 1.15           | F         | 1458 | 87.6  | 0.89         |
| 33         | TXC 256T20U4B    | 28.9             | 26.4             | 20          | 50    | 194                              | 177.6                           | 150                                 | 200                                  | 105                                  | 1.15           | F         | 1458 | 88.7  | 0.89         |
| 34         | TXC 284T25U4B    | 35.8             | 32.8             | 25          | 50    | 243                              | 222.5                           | 150                                 | 200                                  | 105                                  | 1.15           | F         | 1467 | 89.3  | 0.89         |
| 35         | TXC 286T30U4B    | 42.7             | 39.1             | 30          | 50    | 289                              | 264.6                           | 150                                 | 200                                  | 105                                  | 1.15           | F         | 1467 | 89.9  | 0.89         |
| 36         | TXC 324T40U4B    | 56.5             | 51.7             | 40          | 50    | 387                              | 354.4                           | 140                                 | 200                                  | 100                                  | 1.15           | F         | 1475 | 90.7  | 0.89         |
| 37         | TXC 326T50U4B    | 70.2             | 64.3             | 50          | 50    | 482                              | 441.3                           | 140                                 | 200                                  | 100                                  | 1.15           | F         | 1475 | 91.2  | 0.89         |
| 38         | TXC364T60U4B     | 83.8             | 76.7             | 60          | 50    | 578                              | 529.3                           | 140                                 | 200                                  | 100                                  | 1.15           | F         | 1479 | 91.7  | 0.89         |
| 39         | TXC365T75U4B     | 103.1            | 94.4             | 75          | 50    | 722                              | 661.1                           | 140                                 | 200                                  | 100                                  | 1.15           | F         | 1479 | 92.1  | 0.9          |
| 40         | TXC405T100U4B    | 136.6            | 125.1            | 100         | 50    | 965                              | 883.6                           | 125                                 | 200                                  | 100                                  | 1.15           | F         | 1483 | 92.7  | 0.9          |
| 41         | TXC444T125U4B    | 168.3            | 154.1            | 125         | 50    | 1207                             | 1105.2                          | 110                                 | 200                                  | 100                                  | 1.15           | F         | 1483 | 93    | 0.91         |
| 42         | TXC445T150U4B    | 201.3            | 184.3            | 150         | 50    | 1441                             | 1319.5                          | 110                                 | 200                                  | 100                                  | 1.15           | F         | 1483 | 93.3  | 0.91         |
| 43         | TXC447T200U4B    | 267.9            | 245.3            | 200         | 50    | 1927                             | 1764.5                          | 100                                 | 200                                  | 90                                   | 1.15           | F         | 1483 | 93.5  | 0.91         |
| 44         | TXC449T250U4B    | 333.8            | 305.6            | 250         | 50    | 2534                             | 2320.3                          | 80                                  | 175                                  | 75                                   | 1.15           | F         | 1483 | 93.8  | 0.91         |
| 45         | TXC449T300U4B    | 399.7            | 365.9            | 300         | 50    | 3026                             | 2770.8                          | 80                                  | 175                                  | 75                                   | 1.15           | F         | 1484 | 94    | 0.91         |
| 46         | TXC586/7T350U4B  | 466.3            | 426.9            | 350         | 50    | 3542                             | 3243.3                          | 80                                  | 175                                  | 75                                   | 1.15           | F         | 1485 | 94    | 0.91         |
| 47         | TXC586/7T400U4B  | 532.9            | 487.9            | 400         | 50    | 4046                             | 3704.8                          | 80                                  | 175                                  | 75                                   | 1.15           | F         | 1486 | 94    | 0.91         |
| 48         | TXC586/7T450U4B  | 599.5            | 548.9            | 450         | 50    | 4539                             | 4156.2                          | 80                                  | 175                                  | 75                                   | 1.15           | F         | 1487 | 94    | 0.91         |
| 49         | TXC 145T1U6B     | 2.1              | 2.0              | 1           | 50    | 20                               | 18.3                            | 170                                 | 265                                  | 120                                  | 1.15           | F         | 958  | 70    | 0.76         |
| 50         | TXC 182T1.5U6B   | 3.0              | 2.8              | 1.5         | 50    | 27                               | 24.7                            | 165                                 | 250                                  | 115                                  | 1.15           | F         | 958  | 72.9  | 0.77         |
| 51         | TXC 184T2U6B     | 3.9              | 3.6              | 2           | 50    | 34                               | 31.1                            | 160                                 | 240                                  | 110                                  | 1.15           | F         | 958  | 75.2  | 0.77         |
| 52         | TXC 213T3U6B     | 5.7              | 5.2              | 3           | 50    | 43                               | 39.4                            | 155                                 | 230                                  | 110                                  | 1.15           | F         | 958  | 77.7  | 0.77         |
| 53         | TXC 215T5U6B     | 9.3              | 8.5              | 5           | 50    | 61                               | 55.9                            | 150                                 | 215                                  | 105                                  | 1.15           | F         | 967  | 79.7  | 0.77         |
| 54         | TXC 254T7.5U6B   | 13.4             | 12.2             | 7.5         | 50    | 84                               | 76.9                            | 150                                 | 200                                  | 105                                  | 1.15           | F         | 967  | 83.1  | 0.77         |
| 55         | TXC 256T10U6B    | 17.5             | 16.0             | 10          | 50    | 107                              | 98.0                            | 150                                 | 200                                  | 105                                  | 1.15           | F         | 971  | 84.7  | 0.77         |
| 56         | TXC 284T15U6B    | 25.4             | 23.2             | 15          | 50    | 154                              | 141.0                           | 140                                 | 200                                  | 100                                  | 1.15           | F         | 971  | 86.4  | 0.78         |
| 57         | TXC 286T20U6B    | 33.3             | 30.5             | 20          | 50    | 194                              | 177.6                           | 135                                 | 200                                  | 100                                  | 1.15           | F         | 975  | 87.7  | 0.78         |
| 58         | TXC 324T25U6B    | 40.7             | 37.3             | 25          | 50    | 243                              | 222.5                           | 135                                 | 200                                  | 100                                  | 1.15           | F         | 975  | 88.6  | 0.79         |
| 59         | TXC 326T30U6B    | 48.5             | 44.4             | 30          | 50    | 289                              | 264.6                           | 135                                 | 200                                  | 100                                  | 1.15           | F         | 979  | 89.2  | 0.79         |
| 60         | TXC364T40U6B     | 63.2             | 57.8             | 40          | 50    | 387                              | 354.4                           | 135                                 | 200                                  | 100                                  | 1.15           | F         | 979  | 90.2  | 0.8          |
| 61         | TXC365T50U6B     | 78.4             | 71.8             | 50          | 50    | 482                              | 441.3                           | 135                                 | 200                                  | 100                                  | 1.15           | F         | 983  | 90.8  | 0.8          |
| 62         | TXC404T60U6B     | 93.5             | 85.6             | 60          | 50    | 578                              | 529.3                           | 135                                 | 200                                  | 100                                  | 1.15           | F         | 983  | 91.4  | 0.8          |
| 63         | TXC405T75U6B     | 114.8            | 105.1            | 75          | 50    | 722                              | 661.1                           | 135                                 | 200                                  | 100                                  | 1.15           | F         | 983  | 91.9  | 0.81         |
| 64         | TXC444T100U6B    | 151.9            | 139.1            | 100         | 50    | 965                              | 883.6                           | 125                                 | 200                                  | 100                                  | 1.15           | F         | 983  | 92.6  | 0.81         |
| 65         | TXC445T125U6B    | 189.3            | 173.3            | 125         | 50    | 1207                             | 1105.2                          | 125                                 | 200                                  | 100                                  | 1.15           | F         | 983  | 92.9  | 0.81         |
| 66         | TXC447T150U6B    | 226.2            | 207.1            | 150         | 50    | 1441                             | 1319.5                          | 120                                 | 200                                  | 100                                  | 1.15           | F         | 983  | 93.3  | 0.81         |
| 67         | TXC449T200U6B    | 300.9            | 275.5            | 200         | 50    | 1927                             | 1764.5                          | 120                                 | 200                                  | 100                                  | 1.15           | F         | 983  | 93.5  | 0.81         |
| 68         | TXC586/7T250U6B  | 375.0            | 343.3            | 250         | 50    | 2534                             | 2320.3                          | 100                                 | 175                                  | 90                                   | 1.15           | F         | 983  | 93.8  | 0.81         |
| 69         | TXC586/7T300U6B  | 449.0            | 411.1            | 300         | 50    | 3026                             | 2770.8                          | 100                                 | 175                                  | 90                                   | 1.15           | F         | 983  | 94    | 0.81         |
| 70         | TXC586/7T350U6B  | 523.8            | 479.6            | 350         | 50    | 3542                             | 3243.3                          | 100                                 | 175                                  | 90                                   | 1.15           | F         | 983  | 94    | 0.81         |
| 71         | TXC586/7T400U6B  | 598.7            | 548.2            | 400         | 50    | 4046                             | 3704.8                          | 100                                 | 175                                  | 90                                   | 1.15           | F         | 983  | 94    | 0.81         |

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