



Model Number XR3-AL-TF-213JP-4-B-D-7.5-190|380-50

MFG PN T 213T7.5U4B

List Price --

All data shown at HIGH voltage setting

Format STD 3 Phase

| Electrical Data               |                       | General Data       |        |
|-------------------------------|-----------------------|--------------------|--------|
| Rated Motor Output Power      | 7.5 HP                | Frame Size         | 213    |
| Rated Motor Speed             | 1470 r/min            | Enclosure          | TEFC   |
| Rated Motor Voltage (3 Phase) | 190 380-50 Volts - HZ | Approximate Weight | 128.28 |
| Rated Motor Current           | 22.5/11.2 Amps        | NEMA Design        | BE     |
| Service Factor                | 1.15                  | IP Rating          | 55     |
| KVA Code                      | K                     | Insulation Class   | H      |
| Nominal Efficiency            | 89.6 %                | Tropicalization    | YES    |
| Nominal Power Factor          | 0.83 cos $\theta$     | Duty               | Cont.  |
| Full Load Torque Ft-Lb        | 26.5536 Ft-Lb         | Cable Entry        | 1.25   |
| Temp Rise @ Full Load °C      | 37                    | Feet Removable     | YES    |
| Efficiency Level              | IE3 - NEMA Premium    | Double Drilled     | NO     |

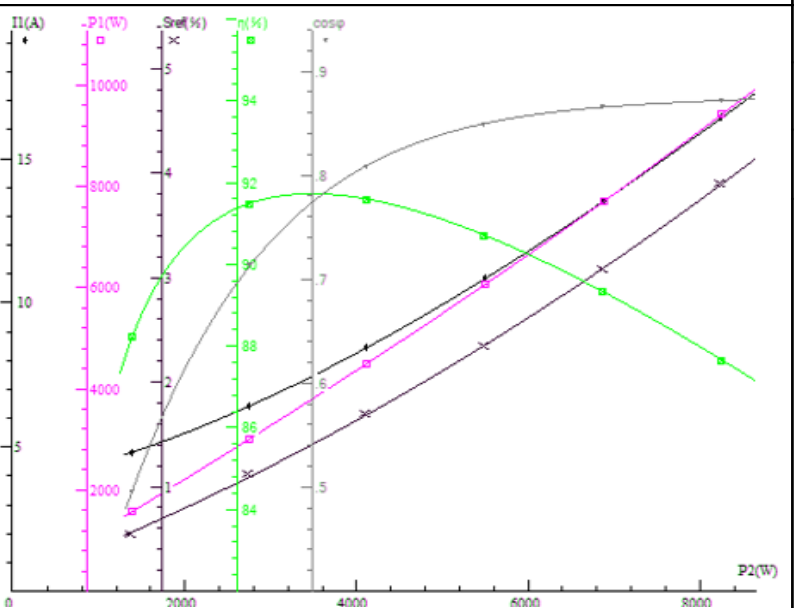
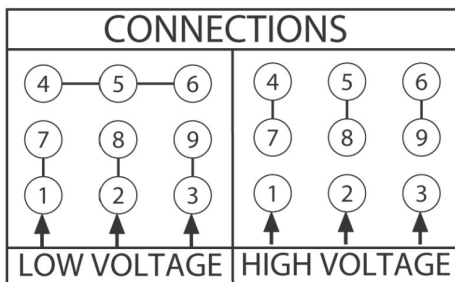
| Load Data    | RPM    | Trq %FL | Current Amps | Rated Ambient (°C)   |  |
|--------------|--------|---------|--------------|----------------------|--|
| Locked Rotor | -      | 268     | 94           | 40                   |  |
| Breakdown    | -      | 300     | -            | Rated Altitude (M)   |  |
| Pull Up      | -      | 149     | -            | 1000                 |  |
| 125% of FL   | 1499.4 | -       | 16.4         | Coating              |  |
| 75% of FL    | 1499.7 | -       | 8.45         | 7024 - Graphite Grey |  |
| 50% of FL    | 1499.8 | -       | 6.41         | Shaft Grounding      |  |
| No Load      | --     | -       | 4.15         | YES                  |  |

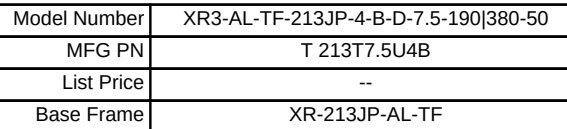
| Hazardous Location | Class 1, Div 2, Grp A,B,C,D |  |  | Mechanical Data   |          |
|--------------------|-----------------------------|--|--|-------------------|----------|
|                    |                             |  |  | Bearing DE Side   | 6308ZZ   |
|                    |                             |  |  | Bearing NDE Side  | 6208ZZ   |
|                    |                             |  |  | Moment of Inertia | -- kg.m2 |

| CT VFD Range |  | -- | Loaded Torque Curves                                                                                |  |
|--------------|--|----|-----------------------------------------------------------------------------------------------------|--|
|              |  |    | P1 = INPUT POWER (KW), S = Slip (% of Sync RPM), $\eta$ = Efficiency (%), cos $\phi$ = Power Factor |  |

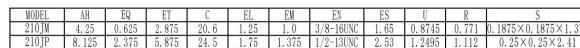
| Certifications | UL                      | CSA    | DOE  |
|----------------|-------------------------|--------|------|
| File Numbers   | 323353                  | 224693 | 096A |
| Wiring Diagram | 3PH 9 Lead Dual Voltage |        |      |

**3 Phase - YY/Y - 9 Lead**  
 4,1 Blue / 5,2 White / 6,3 Org / 7 Yl / 8 Blk / 9 RD  
 Cast Iron- 1,2,3 Top - 4,5,6,7,8,9 Bottom  
 Aluminum - 4,5,6,8,9 Top - 1,2,3,7 Bottom





|        |     |      |        |       |       |       |      |      |
|--------|-----|------|--------|-------|-------|-------|------|------|
| FRAME: | HP: | RPM: | PHASE: | VOLT: | ENCL: | FREQ: | FLA: | LRA: |
|--------|-----|------|--------|-------|-------|-------|------|------|



|                                                                                     |                     |              |          |                                                          |
|-------------------------------------------------------------------------------------|---------------------|--------------|----------|----------------------------------------------------------|
|  | MODEL: NEMA210JM-JP | SCALE: 1:2.5 | DATE:    | UNITS:                                                   |
|                                                                                     | REV.DESC:           | VERSION:     | REVISED: | BY: <a href="http://www.techtop.com">www.TECHTOP.COM</a> |