



Model Number XR3-AL-TF-213JP-2-B-D-7.5-190|380-50

MFG PN T 213T7.5U2B

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             | 2930 r/min            | Enclosure          | TEFC   |
| Rated Motor Voltage (3 Phase) | 190 380-50 Volts - HZ | Approximate Weight | 128.28 |
| Rated Motor Current           | 20.4/10.2 Amps        | NEMA Design        | BE     |
| Service Factor                | 1.15                  | IP Rating          | 55     |
| KVA Code                      | J                     | Insulation Class   | H      |
| Nominal Efficiency            | 89.2 %                | Tropicalization    | YES    |
| Nominal Power Factor          | 0.92 cos $\phi$       | Duty               | Cont.  |
| Full Load Torque Ft-Lb        | 13.2768 Ft-Lb         | Cable Entry        | 1.25   |
| Temp Rise @ Full Load °C      | 36                    | Feet Removable     | YES    |
| Efficiency Level              | IE3 - NEMA Premium    | Double Drilled     | NO     |

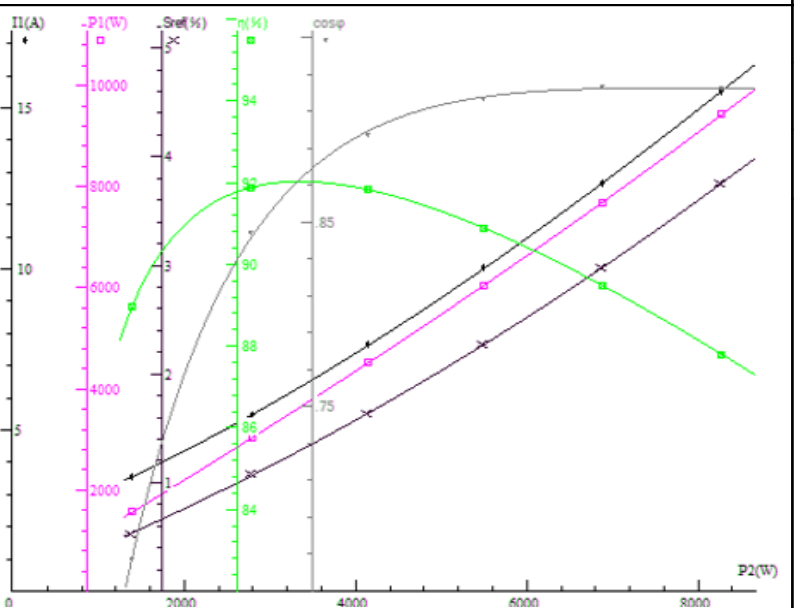
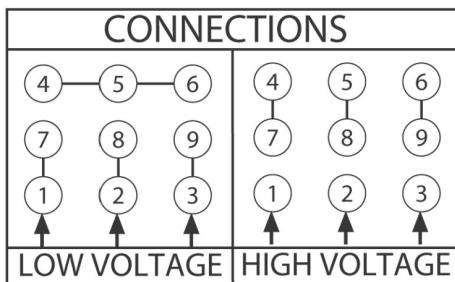
| Load Data    | RPM    | Trq %FL | Current Amps | Rated Ambient (°C)   |  |
|--------------|--------|---------|--------------|----------------------|--|
| Locked Rotor | -      | 231     | 87           | 40                   |  |
| Breakdown    | -      | 338     | -            | Rated Altitude (M)   |  |
| Pull Up      | -      | 182     | -            | 1000                 |  |
| 125% of FL   | 2998.9 | -       | 15.47        | Coating              |  |
| 75% of FL    | 2999.5 | -       | 7.59         | 7024 - Graphite Grey |  |
| 50% of FL    | 2999.7 | -       | 5.41         | Shaft Grounding      |  |
| No Load      | --     | -       | 2.6          | YES                  |  |

|                       |                             |                   |                 |
|-----------------------|-----------------------------|-------------------|-----------------|
| Hazardous<br>Location | Class 1, Div 2, Grp A,B,C,D | Bearing NDE Side  | 6208ZZ          |
|                       |                             | Moment of Inertia | -- kg.m2        |
|                       |                             | Noise Level       | Per NEMA dB (A) |

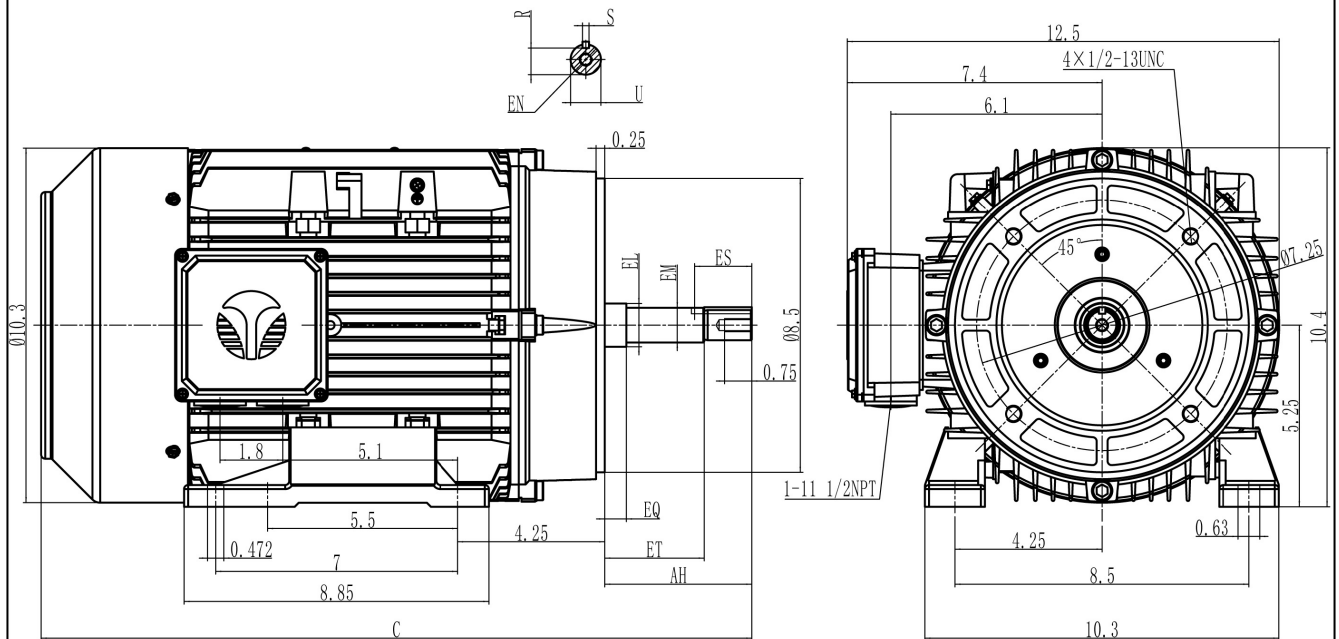
| CT VFD Range |  | -- | Loaded Torque Curves                                                                                |  |
|--------------|--|----|-----------------------------------------------------------------------------------------------------|--|
|              |  |    | P1 = INPUT POWER (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 | AH    | EQ    | ET    | C    | EL   | EM    | EN        | ES   | U      | R     | S                   |
|-------|-------|-------|-------|------|------|-------|-----------|------|--------|-------|---------------------|
| 2101W | 4.25  | 0.625 | 2.875 | 20.6 | 1.25 | 1.0   | 3/8-16UNC | 1.65 | 0.8745 | 0.771 | 0.1875x0.1875x1.375 |
| 2101P | 8.125 | 2.375 | 5.875 | 24.5 | 1.75 | 1.375 | 1/2-13UNC | 2.53 | 1.2495 | 1.112 | 0.25x0.25x2.41      |



MODEL: NEMA210JM-JP  
REV.DISC:

SCALE: 1:2.5

VERSION:

DATE:

REVISED:

UNITS:

BY:

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