

**Y355~450 SERIES**

**6300V, 50HZ, IMB5**

**INSULATION CLASS F**

**TEMPERATURE RISE 80K**

**ENCLOSURE PROTECTION IP23**

**TERMINAL BOX PROTECTION IP55**

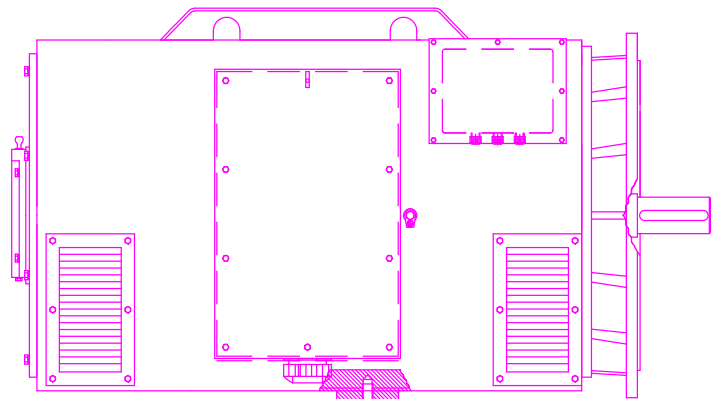
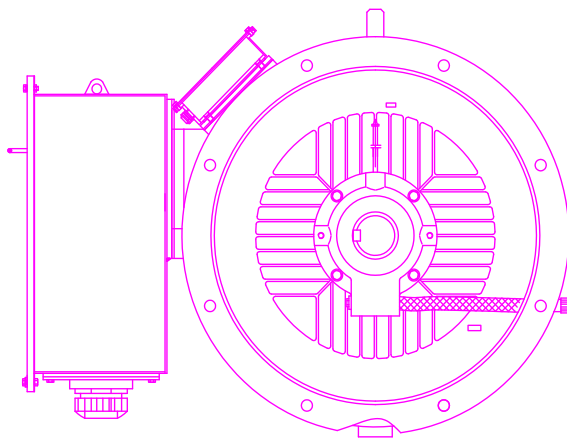
**AMBIENT TEMPERATURE -20 ~ 45°C**

**ELEVATION SITE LESS THAN 1000 M**

**FABRICATED STEEL STRUCTURE CONTINUOUS S1**

**ATLAS SCREW AIR COMPRESSOR ELECTRIC MOTOR**

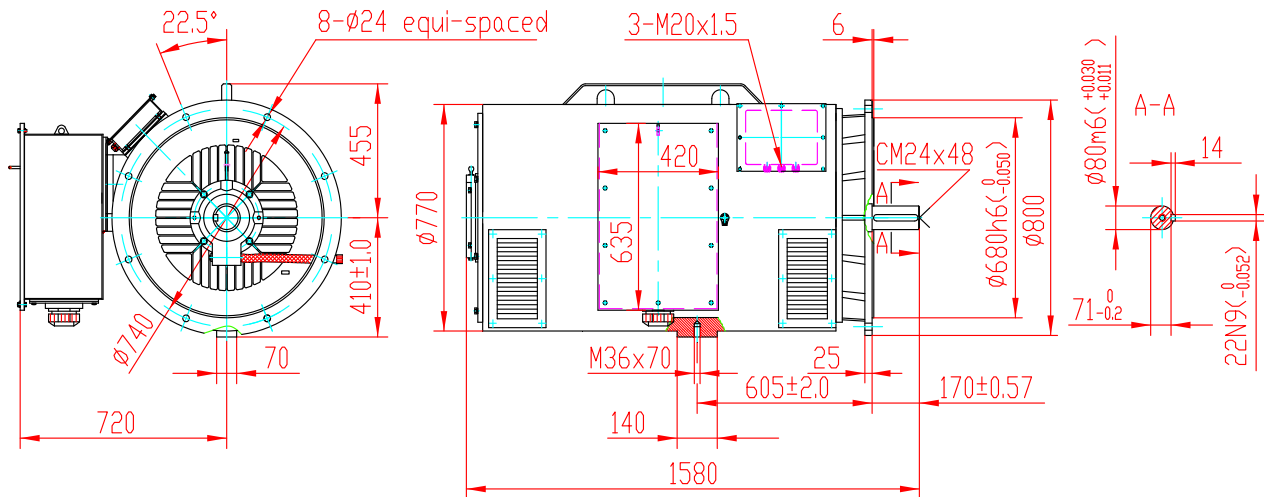
**EQUIVALENT STANDARD IEC60034 IEC60072 AND DIN42673**



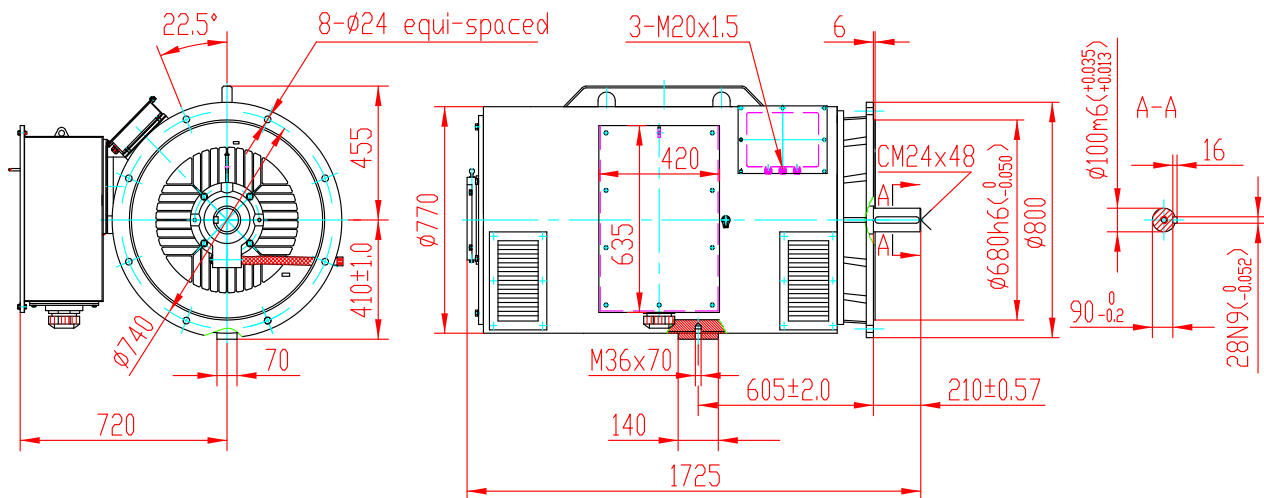
## Y355 (2, 4, 6POLES) 6300V 50HZ IP23 B5 TECHNICAL SPECIFICATIONS

| Type    | Poles | Power | Voltage | Current | Efficiency | Power factor | Rated Speed | Maximum Torque | Locked Torque | Locked Current | Insulation Class | Winding Conn | Duty | Weight | Bearing | Bearing |
|---------|-------|-------|---------|---------|------------|--------------|-------------|----------------|---------------|----------------|------------------|--------------|------|--------|---------|---------|
|         |       | kW    | V       | A       | $\eta\%$   | $\cos\phi$   | r/min       | Rated Torque   | Rated Torque  | Rated Current  |                  |              | Rtg  | kg     | (DE)    | (NDE)   |
| Y355A-2 | 2     | 220   | 6300    | 25.3    | 92.8       | 0.86         | 2980        | 2.0            | 1.0           | 6.0            | F                | Y            | S1   | 1850   | 6319 C3 | 6319 C3 |
| Y355B-2 | 2     | 250   | 6300    | 28.7    | 92.9       | 0.86         | 2980        | 2.0            | 1.0           | 6.0            | F                | Y            | S1   | 2018   | 6319 C3 | 6319 C3 |
| Y355C-2 | 2     | 280   | 6300    | 32.1    | 93.1       | 0.86         | 2980        | 2.0            | 1.0           | 6.0            | F                | Y            | S1   | 2210   | 6319 C3 | 6319 C3 |
| Y355D-2 | 2     | 315   | 6300    | 36.0    | 93.4       | 0.86         | 2980        | 2.0            | 1.0           | 6.0            | F                | Y            | S1   | 2375   | 6319 C3 | 6319 C3 |
| Y355A-4 | 4     | 220   | 6300    | 25.4    | 93.3       | 0.85         | 1480        | 2.0            | 1.0           | 6.0            | F                | Y            | S1   | 1650   | 6322 C3 | 6322 C3 |
| Y355B-4 | 4     | 250   | 6300    | 28.8    | 93.5       | 0.85         | 1480        | 2.0            | 1.0           | 6.0            | F                | Y            | S1   | 1735   | 6322 C3 | 6322 C3 |
| Y355C-4 | 4     | 280   | 6300    | 31.8    | 93.8       | 0.86         | 1480        | 2.0            | 1.0           | 6.0            | F                | Y            | S1   | 1839   | 6322 C3 | 6322 C3 |
| Y355D-4 | 4     | 315   | 6300    | 35.3    | 94.0       | 0.87         | 1480        | 2.0            | 1.0           | 6.0            | F                | Y            | S1   | 1936   | 6322 C3 | 6322 C3 |
| Y355A-6 | 6     | 220   | 6300    | 26.4    | 93.0       | 0.82         | 988         | 2.0            | 1.0           | 6.0            | F                | Y            | S1   | 1980   | 6322 C3 | 6322 C3 |
| Y355B-6 | 6     | 250   | 6300    | 29.9    | 93.3       | 0.82         | 988         | 2.0            | 1.0           | 6.0            | F                | Y            | S1   | 2072   | 6322 C3 | 6322 C3 |

## Y355-2 (2POLES) 6300V 50HZ IP23 B5 MOUNTING DIMENSIONS



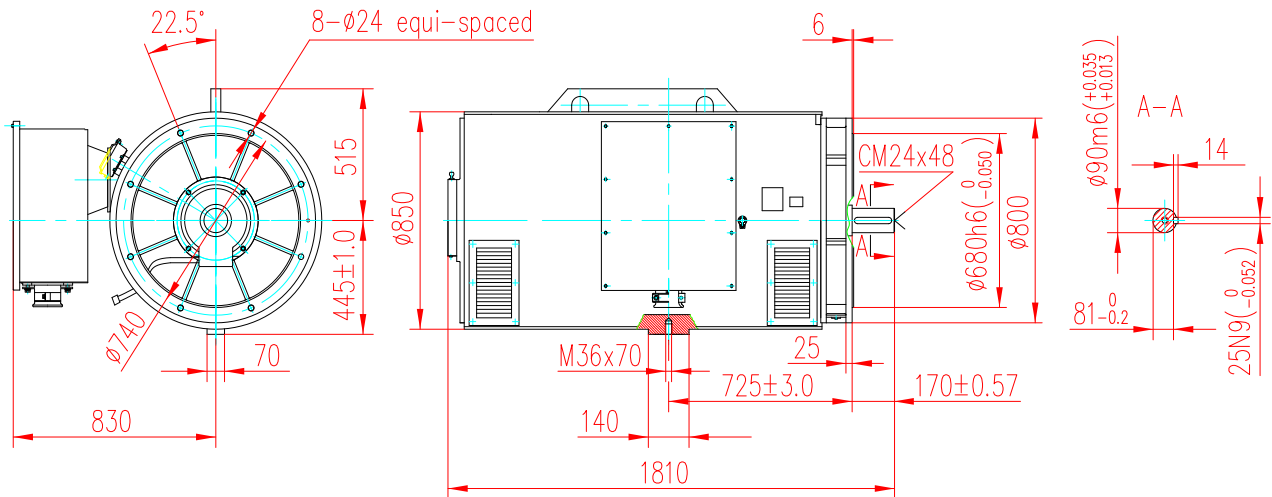
## Y355-4, 6 (4, 6POLES) 6300V 50HZ IP23 B5 MOUNTING DIMENSIONS



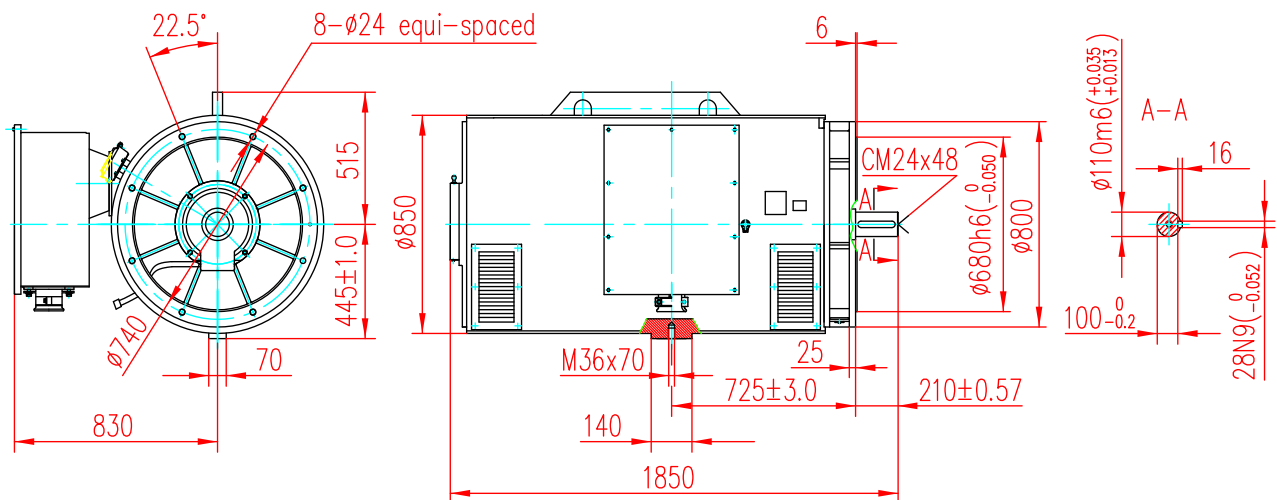
## Y400 (2, 4, 6, 8POLES) 6300V 50HZ IP23 B5 TECHNICAL SPECIFICATIONS

| Type    | Poles | Power | Voltage | Current | Efficiency | Power factor | Rated Speed | Maximum Torque | Locked Torque | Locked Current | Insulation | Winding | Duty | Weight | Bearing | Bearing |
|---------|-------|-------|---------|---------|------------|--------------|-------------|----------------|---------------|----------------|------------|---------|------|--------|---------|---------|
|         |       | kW    | V       | A       | $\eta\%$   | $\cos\phi$   | r/min       | Rated Torque   | Rated Torque  | Rated Current  | Class      | Conn    | Rtg  | kg     | (DE)    | (NDE)   |
| Y400A-2 | 2     | 450   | 6300    | 50.8    | 94.4       | 0.86         | 2985        | 2.1            | 1.0           | 6.0            | F          | Y       | S1   | 2520   | 6319 C3 | 6319 C3 |
| Y400B-2 | 2     | 500   | 6300    | 55.7    | 94.6       | 0.87         | 2985        | 2.1            | 1.0           | 6.0            | F          | Y       | S1   | 2630   | 6319 C3 | 6319 C3 |
| Y400C-2 | 2     | 560   | 6300    | 62.3    | 94.7       | 0.87         | 2985        | 2.1            | 1.0           | 6.0            | F          | Y       | S1   | 2750   | 6319 C3 | 6319 C3 |
| Y400D-2 | 2     | 630   | 6300    | 70.0    | 94.9       | 0.87         | 2985        | 2.1            | 1.0           | 6.0            | F          | Y       | S1   | 2880   | 6319 C3 | 6319 C3 |
| Y400A-4 | 4     | 355   | 6300    | 40.3    | 93.8       | 0.86         | 1485        | 2.2            | 1.0           | 6.0            | F          | Y       | S1   | 2480   | 6324 C3 | 6324 C3 |
| Y400B-4 | 4     | 400   | 6300    | 45.3    | 94.0       | 0.86         | 1485        | 2.2            | 1.0           | 6.0            | F          | Y       | S1   | 2550   | 6324 C3 | 6324 C3 |
| Y400C-4 | 4     | 450   | 6300    | 50.9    | 94.2       | 0.86         | 1485        | 2.2            | 1.0           | 6.0            | F          | Y       | S1   | 2720   | 6324 C3 | 6324 C3 |
| Y400D-4 | 4     | 500   | 6300    | 55.8    | 94.3       | 0.87         | 1485        | 2.2            | 1.0           | 6.0            | F          | Y       | S1   | 2890   | 6324 C3 | 6324 C3 |
| Y400E-4 | 4     | 560   | 6300    | 62.4    | 94.5       | 0.87         | 1485        | 2.2            | 1.0           | 6.0            | F          | Y       | S1   | 3080   | 6324 C3 | 6324 C3 |
| Y400F-4 | 4     | 630   | 6300    | 70.0    | 94.8       | 0.87         | 1485        | 2.2            | 1.0           | 6.0            | F          | Y       | S1   | 3290   | 6324 C3 | 6324 C3 |
| Y400A-6 | 6     | 280   | 6300    | 33.1    | 93.5       | 0.83         | 985         | 2.0            | 1.0           | 6.0            | F          | Y       | S1   | 2720   | 6324 C3 | 6324 C3 |
| Y400B-6 | 6     | 315   | 6300    | 37.1    | 93.7       | 0.83         | 985         | 2.0            | 1.0           | 6.0            | F          | Y       | S1   | 2810   | 6324 C3 | 6324 C3 |
| Y400C-6 | 6     | 355   | 6300    | 41.7    | 93.9       | 0.83         | 985         | 2.0            | 1.0           | 6.0            | F          | Y       | S1   | 2880   | 6324 C3 | 6324 C3 |
| Y400D-6 | 6     | 400   | 6300    | 47.0    | 94.0       | 0.83         | 985         | 2.0            | 1.0           | 6.0            | F          | Y       | S1   | 3170   | 6324 C3 | 6324 C3 |
| Y400A-8 | 8     | 220   | 6300    | 27.8    | 92.9       | 0.78         | 735         | 2.0            | 1.0           | 6.0            | F          | Y       | S1   | 2560   | 6324 C3 | 6324 C3 |
| Y400B-8 | 8     | 250   | 6300    | 31.2    | 93.0       | 0.79         | 735         | 2.0            | 1.0           | 6.0            | F          | Y       | S1   | 2780   | 6324 C3 | 6324 C3 |
| Y400C-8 | 8     | 280   | 6300    | 34.8    | 93.2       | 0.79         | 735         | 2.0            | 1.0           | 6.0            | F          | Y       | S1   | 3130   | 6324 C3 | 6324 C3 |

## Y400-2 (2POLES) 6300V 50HZ IP23 B5 MOUNTING DIMENSIONS



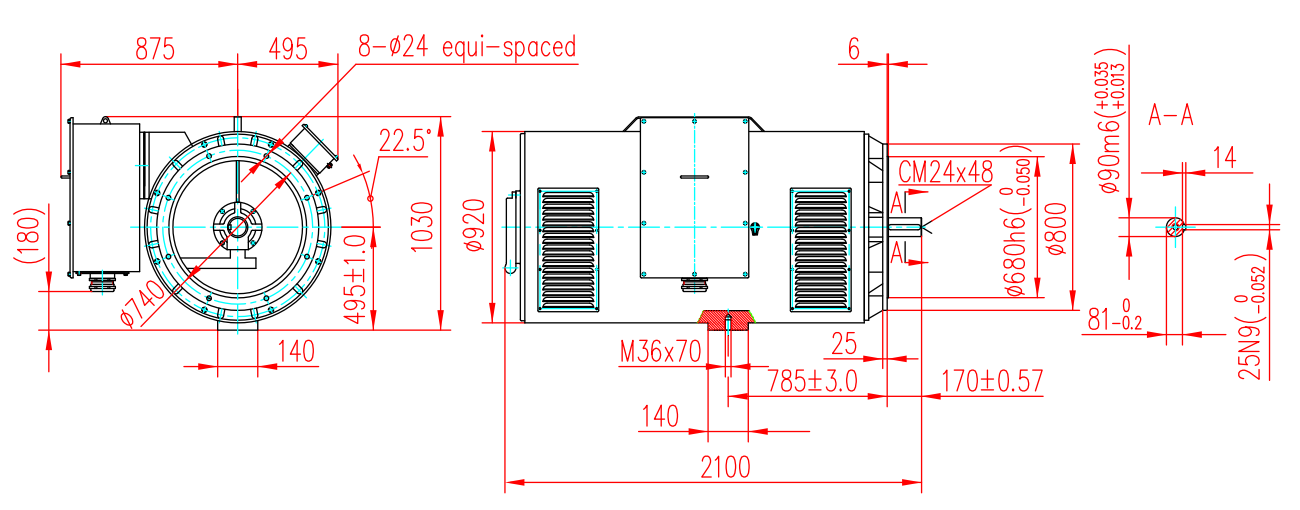
## Y400-4, 6, 8 (4, 6, 8POLES) 6300V 50HZ IP23 B5 MOUNTING DIMENSIONS



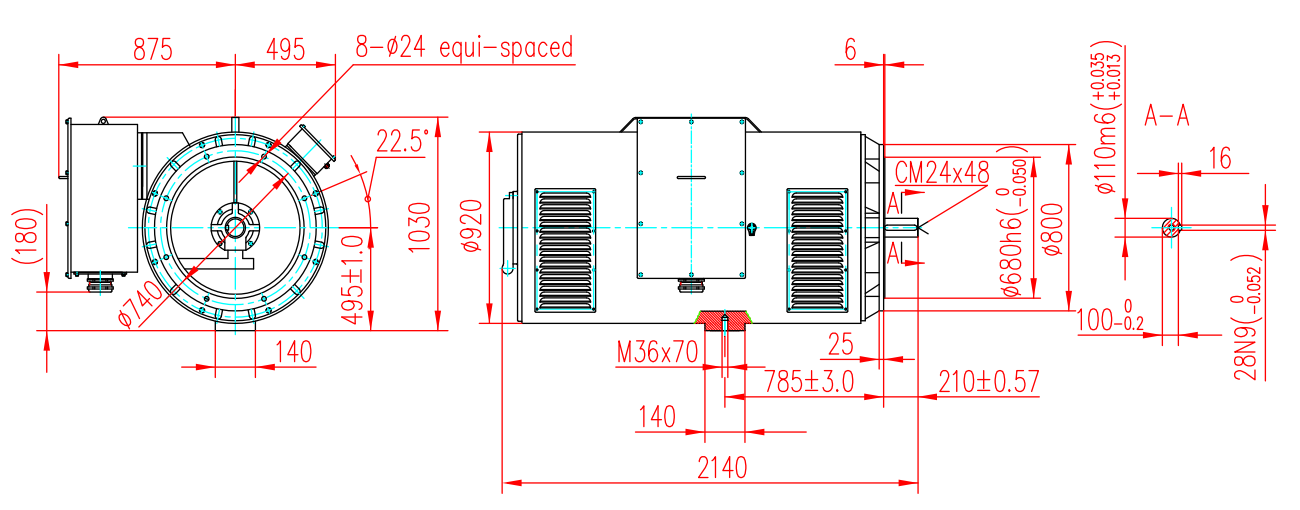
## Y450 (2, 4, 6, 8POLES) 6300V 50HZ IP23 B5 TECHNICAL SPECIFICATIONS

| Type    | Poles | Power | Voltage | Current | Efficiency | Power factor | Rated Speed | Maximum Torque | Locked Torque | Locked Current | Insulation | Winding | Duty | Weight | Bearing | Bearing |
|---------|-------|-------|---------|---------|------------|--------------|-------------|----------------|---------------|----------------|------------|---------|------|--------|---------|---------|
|         |       | kW    | V       | A       | $\eta\%$   | $\cos\phi$   | r/min       | Rated Torque   | Rated Torque  | Rated Current  | Class      | Conn    | Rtg  | kg     | (DE)    | (NDE)   |
| Y450A-2 | 2     | 710   | 6300    | 78.7    | 95.0       | 0.87         | 2980        | 2.1            | 1.0           | 6.0            | F          | Y       | S1   | 3040   | 6220 C3 | 6220 C3 |
| Y450B-2 | 2     | 800   | 6300    | 88.5    | 95.2       | 0.87         | 2980        | 2.1            | 1.0           | 6.0            | F          | Y       | S1   | 3160   | 6220 C3 | 6220 C3 |
| Y450C-2 | 2     | 900   | 6300    | 99.5    | 95.3       | 0.87         | 2980        | 2.1            | 1.0           | 6.0            | F          | Y       | S1   | 3310   | 6220 C3 | 6220 C3 |
| Y450D-2 | 2     | 1000  | 6300    | 109.2   | 95.4       | 0.88         | 2980        | 2.1            | 1.0           | 6.0            | F          | Y       | S1   | 3490   | 6220 C3 | 6220 C3 |
| Y450A-4 | 4     | 630   | 6300    | 70.0    | 94.8       | 0.87         | 1485        | 2.2            | 1.0           | 6.0            | F          | Y       | S1   | 3260   | 6326 C3 | 6326 C3 |
| Y450B-4 | 4     | 710   | 6300    | 78.7    | 95.0       | 0.87         | 1485        | 2.2            | 1.0           | 6.0            | F          | Y       | S1   | 3390   | 6326 C3 | 6326 C3 |
| Y450C-4 | 4     | 800   | 6300    | 88.6    | 95.1       | 0.87         | 1485        | 2.2            | 1.0           | 6.0            | F          | Y       | S1   | 3490   | 6326 C3 | 6326 C3 |
| Y450D-4 | 4     | 900   | 6300    | 99.6    | 95.2       | 0.87         | 1485        | 2.2            | 1.0           | 6.0            | F          | Y       | S1   | 3860   | 6326 C3 | 6326 C3 |
| Y450A-6 | 6     | 450   | 6300    | 52.1    | 94.3       | 0.84         | 990         | 2.0            | 1.0           | 6.0            | F          | Y       | S1   | 3050   | 6326 C3 | 6326 C3 |
| Y450B-6 | 6     | 500   | 6300    | 57.0    | 94.5       | 0.85         | 990         | 2.0            | 1.0           | 6.0            | F          | Y       | S1   | 3170   | 6326 C3 | 6326 C3 |
| Y450C-6 | 6     | 560   | 6300    | 63.8    | 94.7       | 0.85         | 990         | 2.0            | 1.0           | 6.0            | F          | Y       | S1   | 3500   | 6326 C3 | 6326 C3 |
| Y450D-6 | 6     | 630   | 6300    | 71.7    | 94.8       | 0.85         | 990         | 2.0            | 1.0           | 6.0            | F          | Y       | S1   | 3750   | 6326 C3 | 6326 C3 |
| Y450A-8 | 8     | 315   | 6300    | 38.6    | 93.4       | 0.80         | 740         | 2.0            | 1.0           | 6.0            | F          | Y       | S1   | 2930   | 6326 C3 | 6326 C3 |
| Y450B-8 | 8     | 355   | 6300    | 43.5    | 93.5       | 0.80         | 740         | 2.0            | 1.0           | 6.0            | F          | Y       | S1   | 3130   | 6326 C3 | 6326 C3 |
| Y450C-8 | 8     | 400   | 6300    | 48.9    | 93.7       | 0.80         | 740         | 2.0            | 1.0           | 6.0            | F          | Y       | S1   | 3350   | 6326 C3 | 6326 C3 |
| Y450D-8 | 8     | 450   | 6300    | 55.0    | 93.8       | 0.80         | 740         | 2.0            | 1.0           | 6.0            | F          | Y       | S1   | 3430   | 6326 C3 | 6326 C3 |

### Y450-2 (2POLES) 6300V 50HZ IP23 B5 MOUNTING DIMENSIONS



### Y450-4, 6, 8 (4, 6, 8POLES) 6300V 50HZ IP23 B5 MOUNTING DIMENSIONS



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