

**60HZ TECHNICAL DATA SHEET**

CATALOG No: **HO6N7.5-4**

ISSUED: 20-Mar-24

**GENERAL INFORMATION**

| HP  | KW | Pole | RPM  | Frame | Voltage   | Hz | Phase | IP Rating |
|-----|----|------|------|-------|-----------|----|-------|-----------|
| 7.5 | -  | 6    | 1200 | 254T  | 230/460 V | 60 | 3     | IP23      |

| Enclosure | Ins. Class | Service Factor | Time Rating | NEMA Design | Rated Amb.   | Rated Altitude |
|-----------|------------|----------------|-------------|-------------|--------------|----------------|
| ODP       | F          | 1.15           | Continuous  | B           | -15 to 40 C* | <3300 ft       |

**TYPICAL PERFORMANCE**

| Efficiency (%) |          |          | Power Factor (%) |  |
|----------------|----------|----------|------------------|--|
| Full Load      | 3/4 Load | 1/2 Load | Full Load        |  |
| 92.4           | 91.7     | 90.2     | 68.10            |  |

| Full Load Amps<br>460 V | Full Load RPM |
|-------------------------|---------------|
| 11.2                    | 1185          |

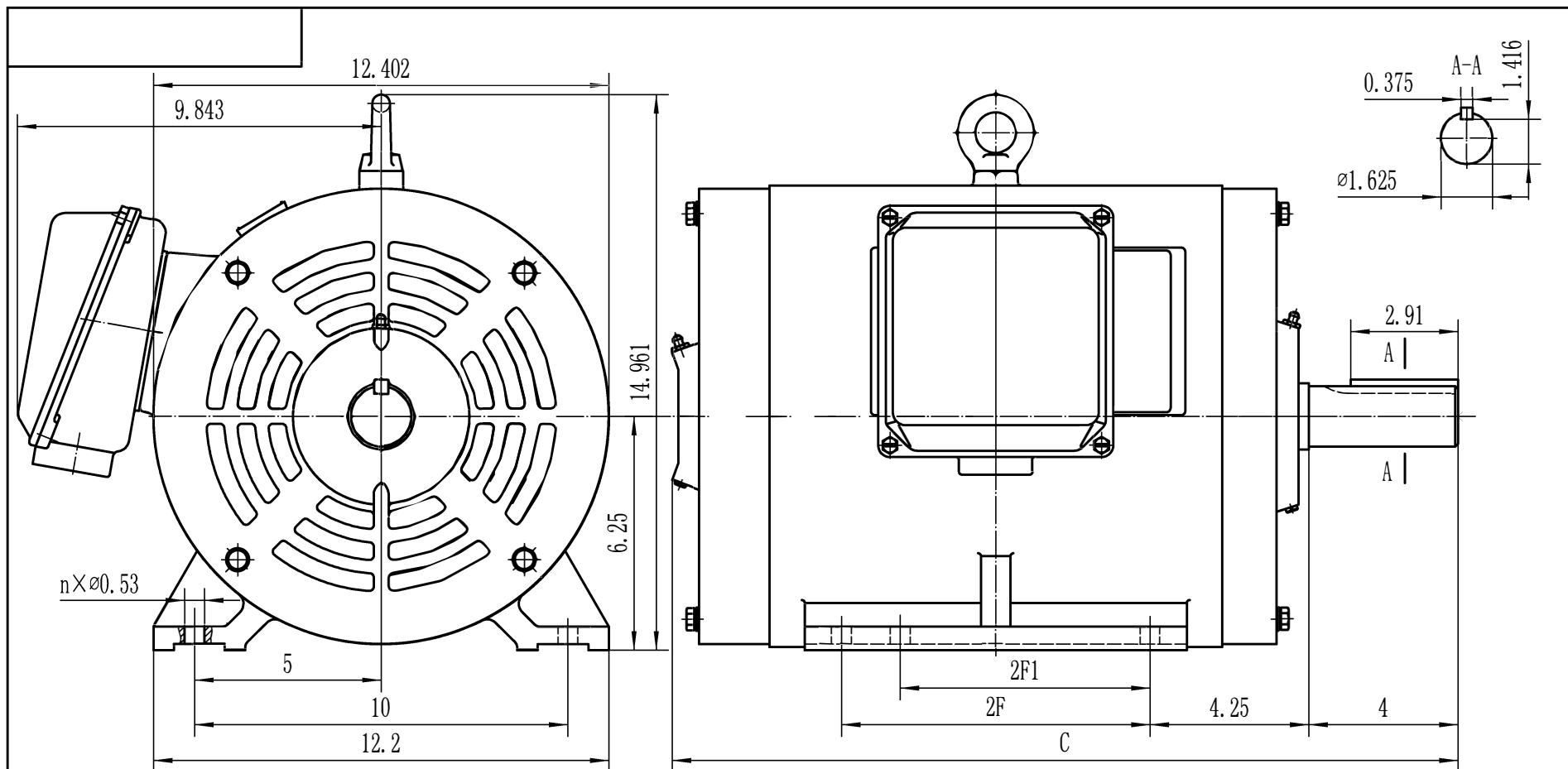
| NEMA KVA Code | Bearing Size |               |
|---------------|--------------|---------------|
|               | Drive End    | Non-Drive End |
| G             | 6309.00      | 6208.00       |

\*Weights shown are estimated and based on standard foot mounted motor designs

**VFD DUTY INFORMATION**

|   | Variable Torque | Rating          |
|---|-----------------|-----------------|
| - | 6 - 60 Hz       | Open Drip Proof |
| - | -               |                 |

Notes:

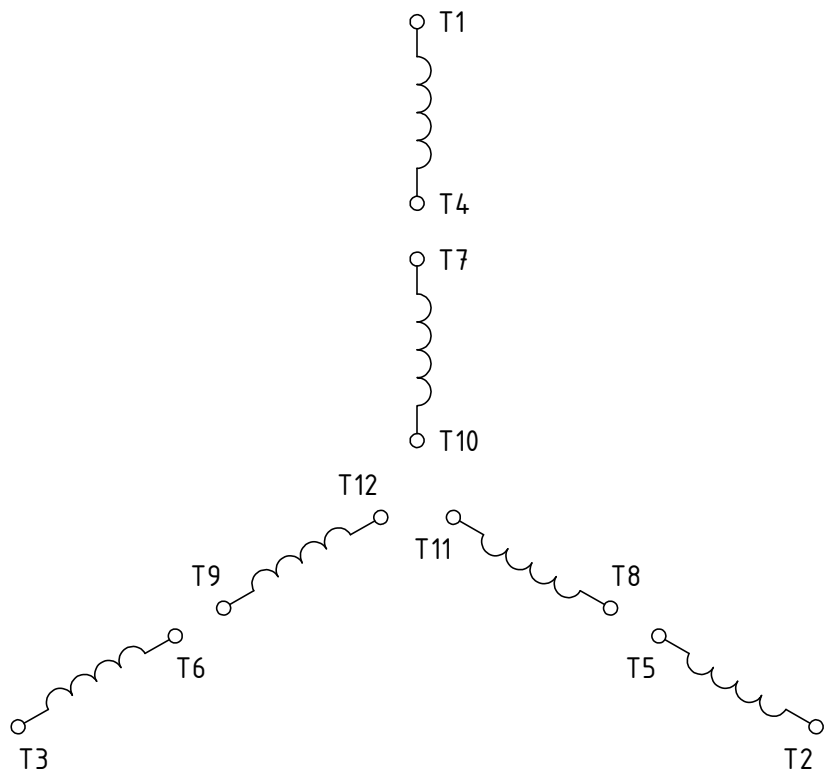


|           | 2F   | 2F1  | C      | n |
|-----------|------|------|--------|---|
| N254T;ODP | 8.25 |      | 20.945 | 4 |
| N256T;ODP | 10   | 8.25 | 22.520 | 6 |

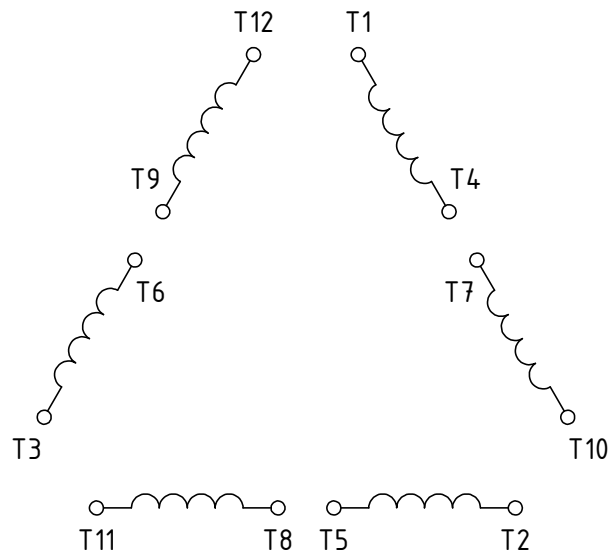
| MARK     | NUMBER | DOCUMENTARY NUMBER   | SIGN | DATE |
|----------|--------|----------------------|------|------|
| DESIGN   |        | TECHNICS             |      |      |
| DRAWN    |        | STANDARD-<br>IZATION |      |      |
| COLLATE  |        | APPROVE              |      |      |
| AUDITING |        | DATE                 |      |      |

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|              |  |        |        |            |
|--------------|--|--------|--------|------------|
|              |  |        |        |            |
| DRAWING MARK |  | NUMBER | WEIGHT | PROPORTION |
|              |  |        |        | 1:4        |
| TOTAL PAGE   |  |        | NO.    |            |
| N250T;ODP    |  |        |        |            |



STAR/WYE START — DELTA RUN



DIRECT ON LINE

| VOLTAGE |       | L1               | L2               | L3               | JOIN                                |
|---------|-------|------------------|------------------|------------------|-------------------------------------|
| LOW     | START | T1,T7            | T2,T8            | T3,T9            | T4&T5&T6<br>T10&T11&T12             |
|         | RUN   | T1,T6,<br>T7,T12 | T2,T4,<br>T8,T10 | T3,T5,<br>T9,T11 |                                     |
| HIGH    | START | T1               | T2               | T3               | T4&T7; T5&T8; T6&T9;<br>T10&T11&T12 |
|         | RUN   | T1,T12           | T2,T10           | T3,T11           | T4&T7; T5&T8; T6&T9                 |

| VOLTAGE | L1               | L2               | L3               | JOIN                |
|---------|------------------|------------------|------------------|---------------------|
| LOW     | T1,T6,<br>T7,T12 | T2,T4,<br>T8,T10 | T3,T5,<br>T9,T11 |                     |
| HIGH    | T1,T12           | T2,T10           | T3,T11           | T4&T7; T5&T8; T6&T9 |

Description  
CONNECTION DIAGRAM, NEMA MARKINGS  
DUAL VOLTAGE, SERIES-PARALLEL DELTA

Drawing No.  
12L-33582-N

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