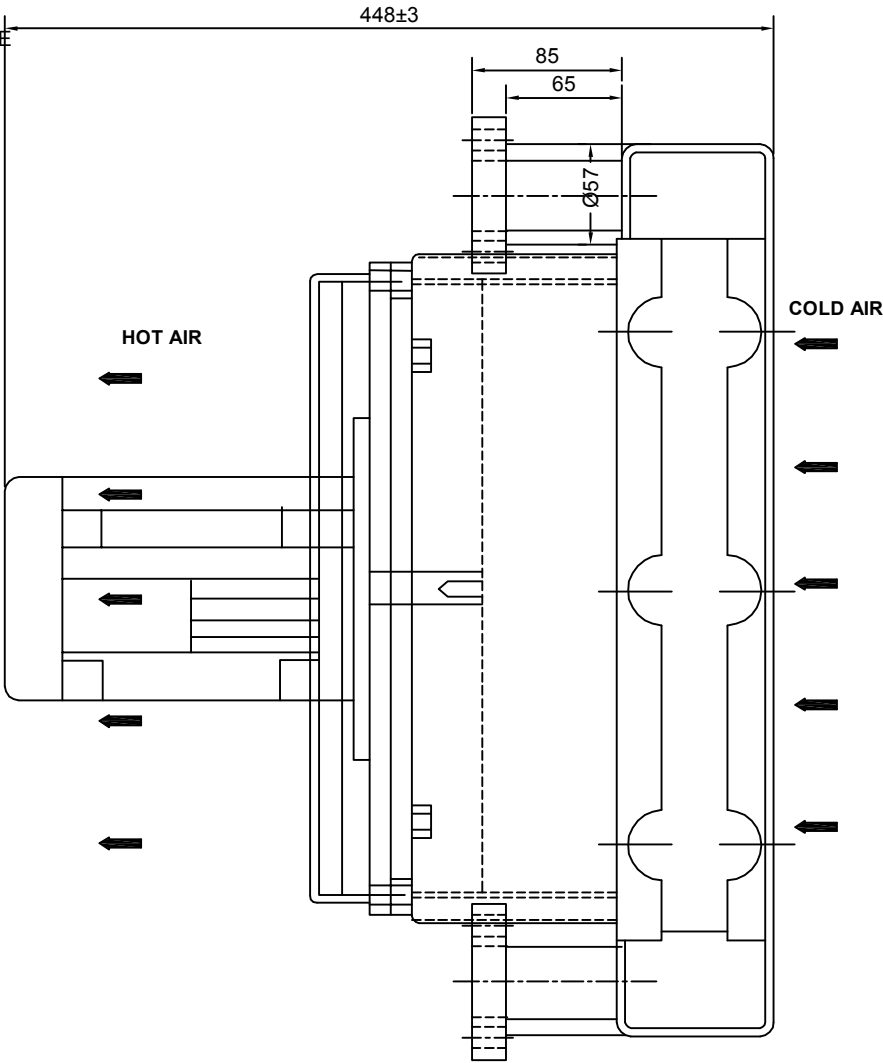
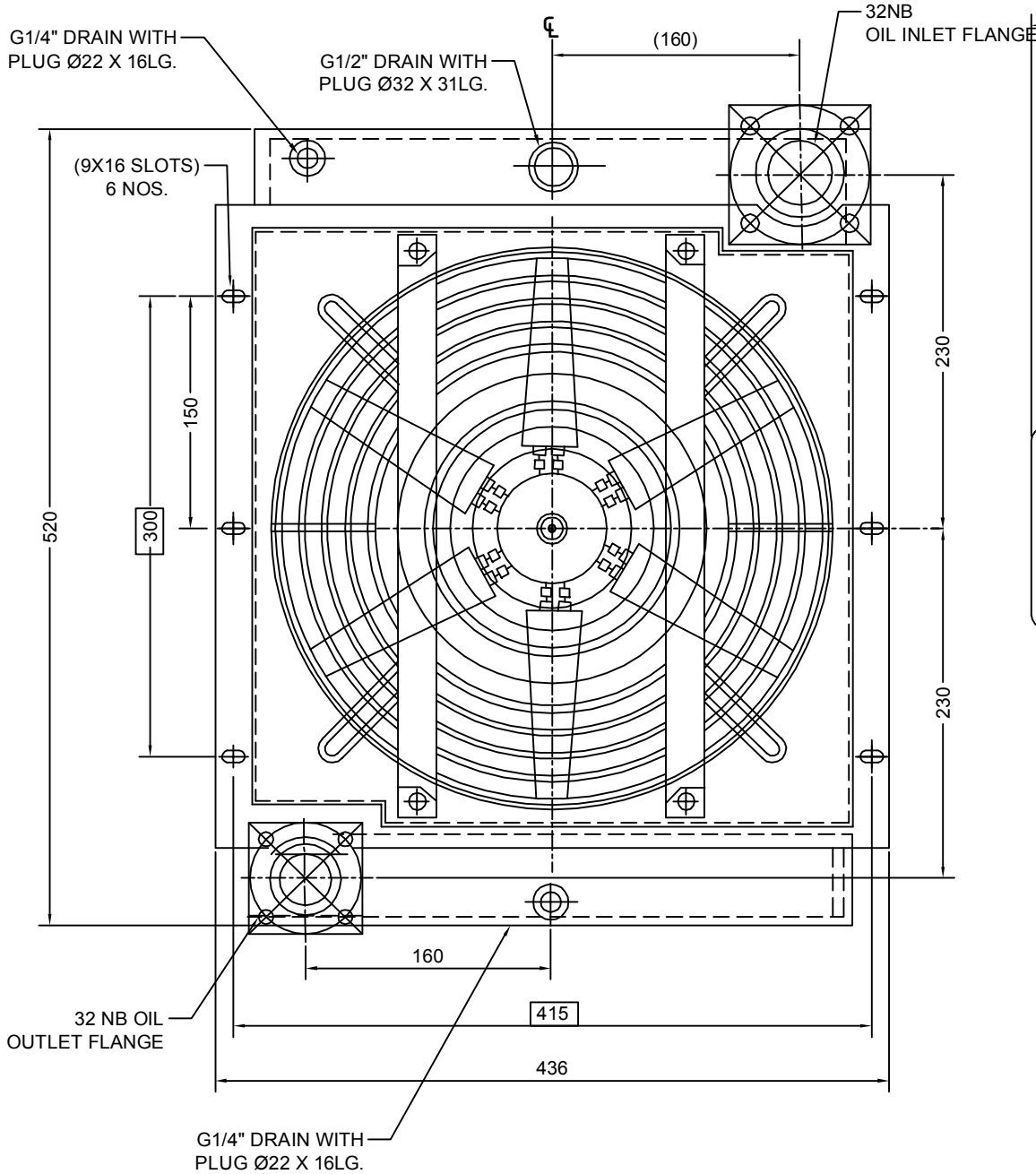


DRG.No. 34661950069



THERMAL PERFORMANCE DATA

HEAT LOAD = 22.5 KW

|                | HOT SIDE                    | COLD SIDE              |
|----------------|-----------------------------|------------------------|
| FLUID          | TRANSFORMER OIL TO IEC60296 | AIR                    |
| FLOW           | 100 LPM                     | 0.7 m <sup>3</sup> /s  |
| INLET TEMP     | 95°C                        | 45°C                   |
| OUTLET TEMP    | 87.3°C                      | 76.3°C                 |
| PRESSURE DROP  | 0.08 kg/cm <sup>2</sup>     | 24 mm OF WC            |
| INLET PRESSURE |                             | 3 Kg/cm <sup>2</sup> g |
| TEST PRESSURE  |                             | 8 Kg/cm <sup>2</sup> g |
| NO OF PASS     |                             | 1                      |

CONSTRUCTION DETAIL

CORE ALL ALUMINUM PLATE & FIN TYPE COMPACT CORE  
HEADER & NOZZLE ALUMINMALLOY WELDED TO BRAZED CORE

PAINT DETAIL : SEMI GLOSSY BLACK EPOXY PAINT

NOTES :

- 1) PAINTING NOT ALLOWED AROUND THE PORTS
- 2) INSIDE CLEANING SHOULD BE PROPERLY DONE

FAN MOTOR :

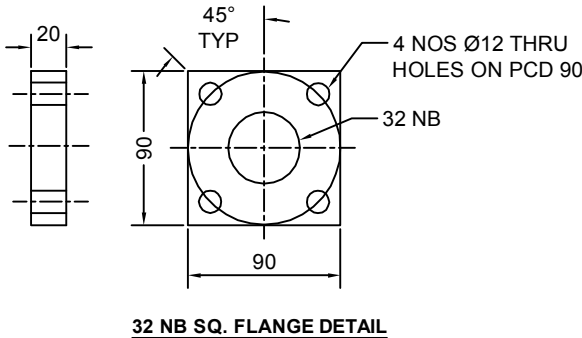
|              |                                 |
|--------------|---------------------------------|
| POWER        | : 0.75 HP                       |
| RPM          | : 2600                          |
| INSULATION   | : CLASS H                       |
| PROTECTION   | : IP67                          |
| DUTY         | : S 1                           |
| VOLTAGE      | : 415 V+/-10%                   |
| FREQUENCY    | : 50 HZ +/- 5%                  |
| BEARING LIFE | : ~100,000 WORKING HRS          |
| WINDING      | : CORONA RESISTANT WINDING WIRE |

AS PER SPECN -  
RDSO/2014/EL/SPEC/0116 LATEST

FAN DATA:

|             |                        |
|-------------|------------------------|
| FAN DIA     | : 350 MM               |
| BLD MATL    | : PAG                  |
| AIR FLOW    | : 0.7m <sup>3</sup> /s |
| STATIC HEAT | : 24 mm OF WC          |
| DRAFT       | : SUCKER               |
| NOISE LEVEL | : < 90dB (A)           |

MOUNTING: - ON UNDER SLUNG EMU TRANSFORMER



ADDITIONAL INFORMATION  
72067T18400

STATUS OF DRAWING

DISTRIBUTION OF PRINTS

| TRE | PPC | BAY 1&2 | BAY 3, 4&5 | BAY 6&7 | BAY 8 | BAY 9 | LMM | Other |
|-----|-----|---------|------------|---------|-------|-------|-----|-------|
|     |     |         |            |         |       |       |     | 0     |

TYPE OF PRODUCT OR IGBT AC EMU TRANSFORMER  
NAME OF CUSTOMER/PROJECT

RCF KAPURTHALA



BHARAT HEAVY ELECTRICALS LTD.  
JHANSI

|      | NAME | SIGN | DATE       | NO. OF VAR |
|------|------|------|------------|------------|
| DRN  | AKS4 |      | 30/07/2019 |            |
| CHD  | AS2  |      | 30/07/2019 |            |
| APPD | MS   |      | 02/08/2019 |            |

|          |                     |       |             |                   |         |             |
|----------|---------------------|-------|-------------|-------------------|---------|-------------|
| DEPT-TRE | UN. TOL. DIM. C/M/F | SCALE | WEIGHT [KG] | REF. TO ASSY. NO. | ITEM NO | NO. OF ITEM |
| CODE-406 |                     |       |             |                   |         |             |

TITLE  
22.5 kW OIL COOLER WITH MOTOR & FAN  
FOR EMU TRANSFORMER (IGBT BASED)

|                            |            |
|----------------------------|------------|
| DRAWING NO.<br>34661950069 | REV.<br>00 |
| SHT NO                     | NO OF SHT  |