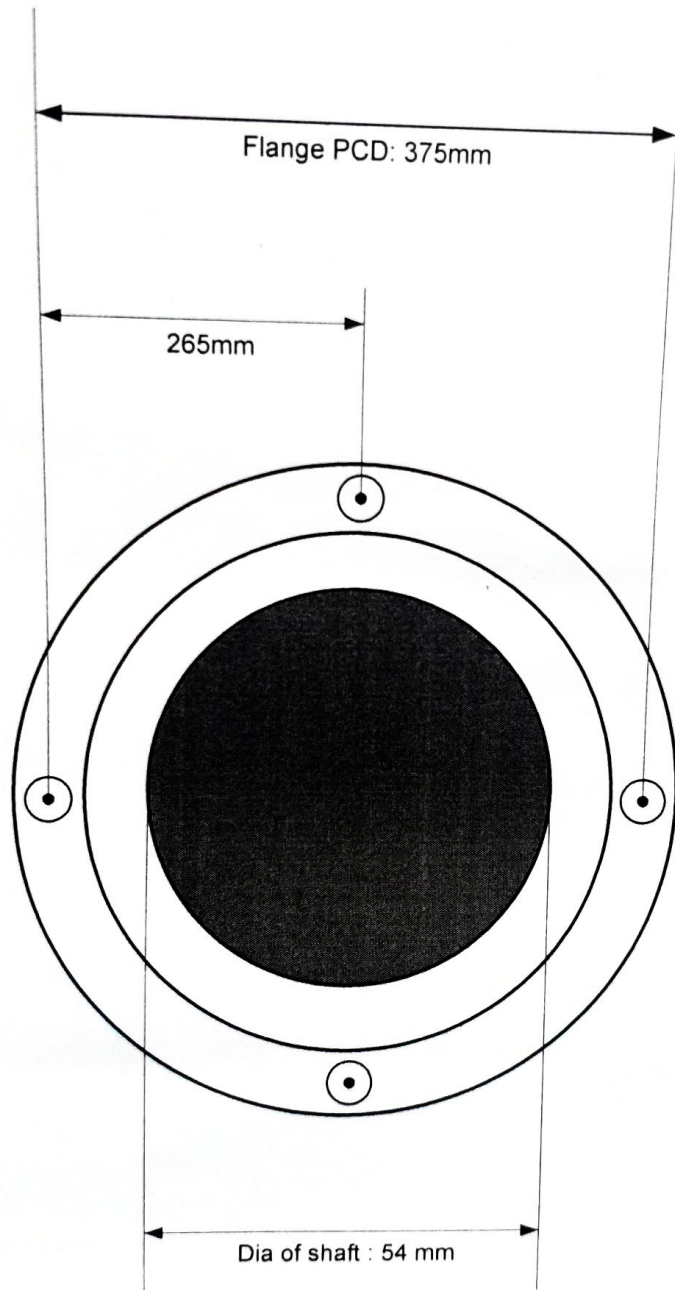


**EASTERN REFINERY LIMITED**  
**CHATTOGRAM**

**Detail specifications and Terms & Conditions of the Motors to be procured.**

1. Motor Type: Vertical Mounting(IMV1) 3- Phase Squirrel Cage Induction Motor
2. Frame: 445LP
3. Voltage: 415 V
4. Frequency: 50 Hz
5. KW: 110(150HP)
6. RPM: 1500
7. Duty: S1 (Continuous at full load)
8. Degree of protection: IP55
9. Starting System: Direct Online (DOL)
10. Insulation Class: F
11. Mounting: Flange Mounted (IMV1)
12. Ambient Temperature: 40°C / Rise 80°C
13. Terminal Box: Terminal Box should be so arranged that it can be rotated through 90° intervals in order to adjust the incoming supply cable.
14. Cable gland: The terminal box should be provided with 1 no. cable gland for use of armoured cable.
15. Vibration: Grade 'B' according to IEC standard.
16. Direction of Rotation: Counter Clockwise(CCW).
17. Anti-rotation locking: Motor anti-rotation locking system must be provided with motor's cooling fan.
18. Dimension: Dimension of the motors must be as per attached dimensional drawing.
19. Country of Origin: GERMANY/USA/UK/ FINLAND/ JAPAN ✓
20. Warranty: The motor should have 1 (One) year warranty period .
21. Motors must be IEC certified.
22. Catalogue: Manufacturer's original catalogue having detailed technical specifications, dimensions, vibrations (in mm/sec) and performance characteristics must be provided with offer.
23. Third party inspection certificate must be submitted to confirm the brand new motor, type, protection, quality and country of origin of the motors.





Note: Diameter of Pump-shaft is 54mm

Figure: Dimensional diagram of Vertical Mounting(IMV1)  
Squirrel Cage Induction Motor