

**KAMAL BLOWER SOLUTIONS LLC**

100 - 400 GPM

**Model 2.5YM** 50 - 350 Feet TDH**STANDARD SPECIFICATION****Discharge** - 2.5 inch discharge**Suction** - 4 inch suction**Impeller** - Semi-open, 4 vane: handles .88" solids**Volute** - Centerline discharge, eight positions**Mechanical Seal or Traditional Packing** - Single, type 21, silicon carbide/tungsten carbide mechanical seal: Cycloseal® design, Run-dry available**Materials of Construction**

- Cast iron casing, cast iron impeller
- Other materials available

**MOUNTING OPTIONS**

- **Close Coupled Electric**  
Kamal Blower Energy Efficient Design
- **Frame Mount**  
Kamal Blower F16
- **Engine Bracket**  
Kamal Blower EM16 (SAE 1, 2, 3, 4)

**AVAILABILITY**

- **Quick Ship**
  - Finished Product Regularly Stocked (48 Hours)
- **Preferred Pump**
  - Finished Components Regularly Stocked (10 business days)
- **Specialty Pump**  
Kamal Blower Solutions LLC will design and manufacture a variation of this pump specifically designed for your application

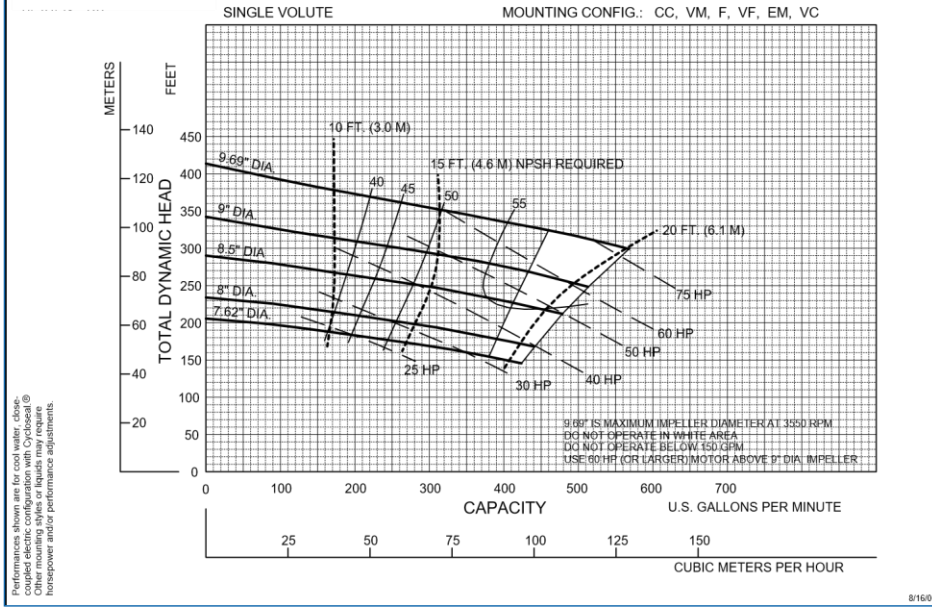
**FEATURES & BENEFITS**

- **Kamal Blower's Tradition of Excellence:**
  - **Highest quality products**
  - **Experience**
    - Over 50 years in the centrifugal pump business
  - **Optimum Hydraulics**
    - In house engineering staff and test lab facilities
  - **Strong Local Dealer Support**
    - Our agricultural products are sold only through authorized dealerships
    - Dealerships provide full service to customers from sales to replacement parts
    - Dealers maintain and improve their knowledge at educational activities like Kamal Blower's "Pump School"
- **Exceptional Design:**
  - **Efficiency**
    - Effectively converts energy into fluid flow and pressure
  - **Long Product Life**
    - Thick walled castings -
    - Heavy duty shafts
    - 20,000 hour bearings -
    - Replaceable wear rings and shaft sleeves -
    - Reduced thrust load through design and balance lines where appropriate

## PERFORMANCE CURVES

**2.5 YM  
3600 RPM**

| Speed | Impeller Dia. | Style     | Solids Dia. | N <sub>S</sub> | Suction | Discharge | No. vanes |
|-------|---------------|-----------|-------------|----------------|---------|-----------|-----------|
| 3550  | VARIOUS       | SEMI-OPEN | .88"        | 1150           | 4"      | 2.5"      | 4         |



**Note:**  
Curves also  
available in  
1800 and  
various RPM

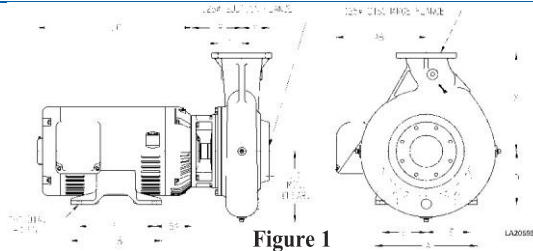


Figure 1

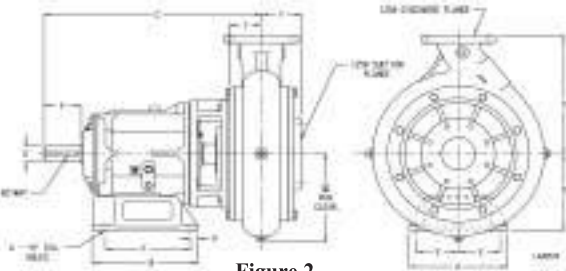


Figure 2

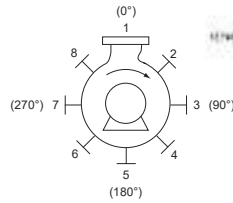


Figure 3

## PUMP DIMENSIONS

| MOUNT | Fig. | A  | AR   | B     | C    | CP    | D    | DA | DD  | E    | F     | H    | L    | LP   | P    | R     | T    | U | V   | X    | Y    | Z    | KEYWAY    |
|-------|------|----|------|-------|------|-------|------|----|-----|------|-------|------|------|------|------|-------|------|---|-----|------|------|------|-----------|
| CC    | 1    | -  | -    | -     | -    | -     | -    | -  | 8   | -    | -     | -    | -    | 7.70 | -    | -     | 2.75 | - | -   | 9.31 | 2.95 | -    | -         |
| CC    | 1    | -  | -    | -     | -    | -     | -    | -  | 8   | -    | -     | -    | -    | 7.70 | -    | -     | 2.75 | - | -   | 9.31 | 2.95 | -    | -         |
| F16   | 2    | 12 | -    | 12.88 | 25.7 | -     | 9.75 | -  | 8   | 5.12 | 10.38 | 0.81 | 7.84 | -    | 0.88 | -     | 2.75 | 2 | 4.5 | 9.31 | 2.95 | -    | .50 X .25 |
| EM16* | 3    | -  | 5.25 | -     | -    | 26.64 | -    | -  | 7.5 | -    | -     | -    | -    | -    | -    | 11.46 | 2.75 | 2 | -   | 9.31 | 2.95 | 5.38 | .50 X .25 |

\*Support plate mounted on suction flange

**Kamal Blower Solutions LLC**

## MOTOR DIMENSIONS

| MOTOR<br>FRAME | AK<br>DIM. | A     | B     | D    | E    | F     | H    | AB    | BA   | LC    |
|----------------|------------|-------|-------|------|------|-------|------|-------|------|-------|
| 213-5          | 8.5        | 9.5   | 8     | 5.25 | 4.25 | 7     | 0.41 | 7.94  | 4.5  | 13.69 |
| 254-6          | 8.5        | 11.25 | 11.25 | 6.25 | 5    | 10    | 0.53 | 9.5   | 5    | 17.94 |
| 284-6          | 12.5       | 12.25 | 12.25 | 7    | 5.5  | 11    | 0.53 | 11.37 | 5    | 21.31 |
| 324-6          | 12.5       | 14.25 | 13.75 | 8    | 6.25 | 12    | 0.66 | 12.22 | 5.5  | 22.19 |
| 364-5          | 12.5       | 15.75 | 14    | 9    | 7    | 12.25 | 0.66 | 13.2  | 6.12 | 24.31 |

**ISO9001:2000** CERTIFIED

|       |      |       |       |    |   |       |      |       |      |       |
|-------|------|-------|-------|----|---|-------|------|-------|------|-------|
| 404-5 | 12.5 | 18.49 | 16.62 | 10 | 8 | 13.75 | 0.81 | 16.39 | 6.88 | 28.22 |
|-------|------|-------|-------|----|---|-------|------|-------|------|-------|