

PERIPHERAL PUMPS

FPE SERIES



SPECIFICATIONS

| | |
|---------------------------|--|
| Power Range | : Upto - 0,75 kW |
| Speed | : 2900 rpm |
| Version | : Single phase, 230V, 50Hz, A.C. Supply (Permanent split capacitor-PSC) |
| Type of Duty | : S1 (Continuous) |
| Degree of Protection | : IP 54 |
| Class of Insulation | : 'B' |
| Suction and Delivery Size | in mm : 25 x 25 |

PUMP OPERATING LIMITS

| | |
|-----------------------------|-------------------------|
| Maximum Suction Lift upto | : Upto 7 m |
| Flow Rate upto | : 2,2 m ³ /h |
| Maximum Head upto | : 61m |
| Maximum Operating Pressure | : 6 bar. |
| Maximum Liquid Temperature | : 40°C. |
| Maximum Ambient Temperature | : 50°C. |

MATERIALS OF CONSTRUCTION

| | |
|--------------------|--------------------|
| Pump Casing | : Cast iron |
| Motor Frame | : Aluminium |
| Impeller | : Brass |
| Pump Bracket | : Cast Iron |
| Shaft | : S.S. 410 |
| Water Filling Plug | : Brass |
| Mechanical Seal | : Carbon & Ceramic |
| 'O'Ring | : NBR |

These pumps are only suitable for pumping clear, cold, fresh, non-aggressive, non-explosive water without abrasives, solid particles or fibres. Clear cold water shall mean water having the following characteristics.

| | | |
|----|----------------------------|--|
| a) | Temperature | 50°C (max.) |
| b) | Permissible amount of sand | 25 gm / m ³ (max.) |
| c) | Chlorine ion density | 500 ppm (max.) |
| d) | Allowable solids | 3000 ppm (max.) |
| e) | Specific gravity | 1,004 (max.) |
| f) | Hardness (Drinking water) | 300 (max.) |
| g) | Viscosity | 1,75 x 10 ⁻⁶ m ² / Sec. (max.) |
| h) | Turbidity | 50 ppm silica scale (max.) |
| i) | pH | 6,5 to 8,5 |

FEATURES

- Sturdy and compact.
- Quiet and maintenance free.
- Incorporated with thermal overload protector.
- Dynamically balanced rotating parts

APPLICATIONS

Residential, Gardens, Pressure Boosting for Individual Houses.

In view of continuous developments the information / performance / descriptions / specifications / Illustrations are subject to change without notice.

PERFORMANCE CHART

| PUMP MODEL | MOTOR POWER | | RATED CURRENT (A) 1Ph 230V | NOMINAL PUMP SIZE IN INCHES (Suc x Del) | SUCTION LIFT IN m | DISCHARGE IN lps / m ³ /h | | | | | | | |
|------------|-------------|-----|-------------------------------|--|-------------------|--------------------------------------|----|-----|-----|-----|-----|-----|-----|
| | kW | HP | | | | lps | 0 | 0,1 | 0,2 | 0,3 | 0,4 | 0,5 | 0,6 |
| | | | | | | | | | | | | | |
| FPEm-3N | 0,37 | 0,5 | 2,5 | 1 x 1 | 7 | Total head in metres | 40 | 33 | 27 | 18 | 12 | 5 | |
| FPEm-7N | 0,75 | 1,0 | 5,2 | 1 x 1 | 7 | | 61 | 51 | 41 | 31 | 23 | 14 | 6 |

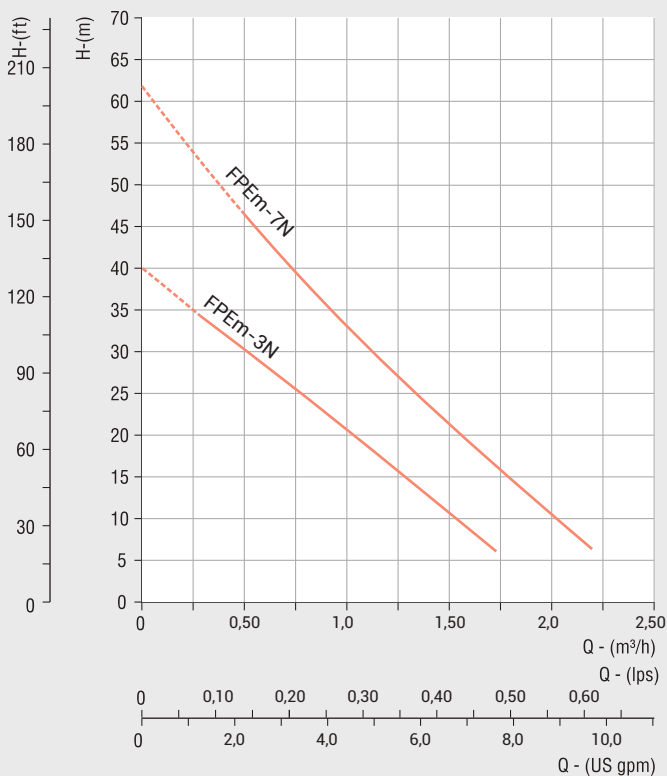
DIMENSIONAL DATA

| PUMP MODEL | MOTOR kW | DNs | DNd | L1 | L2 | L | A | B | C | D | E | H | H1 | H2 | L3 | APPROX NETT WEIGHT kg |
|------------|----------|-----|-----|----|----|-----|-----|-----|----|----|----|-----|-----|----|----|-----------------------|
| FPEm-3N | 0,37 | 1" | 1" | 61 | 80 | 265 | 118 | 100 | 10 | 10 | 20 | 151 | 138 | 63 | 45 | 5,3 |
| FPEm-7N | 0,75 | 1" | 1" | 66 | 90 | 305 | 136 | 112 | 10 | 10 | 21 | 181 | 150 | 73 | 90 | 10 |

* All Dimensions are in mm.

PERFORMANCE CURVES

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DIMENSIONAL DRAWING

