

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	: 25 x 25mm

PUMP OPERATING LIMITS

Maximum Suction Lift	: Upto 7m
Flow Rate	: Upto 2,2 m³/h
Maximum Head	: Upto 61m
Maximum Operating Pressure	: 6 bar
Maximum Liquid Temperature	: Upto 40°C.
Maximum Ambient Temperature	: Upto 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 / m³ (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 m² / Sec. (max.)
h)	Turbidity	50 ppm silica scale (max.)
i)	Ph	6,5 to 8,5

FEATURES

- Sturdy and compact.
- Incorporated with thermal overload protector.
- Quiet and maintenance free.
- 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 / m³/h							
	kW	HP				lps	0	0,1	0,2	0,3	0,4	0,5	0,6
						m³/h	0	0,4	0,7	1,1	1,4	1,8	2,2
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

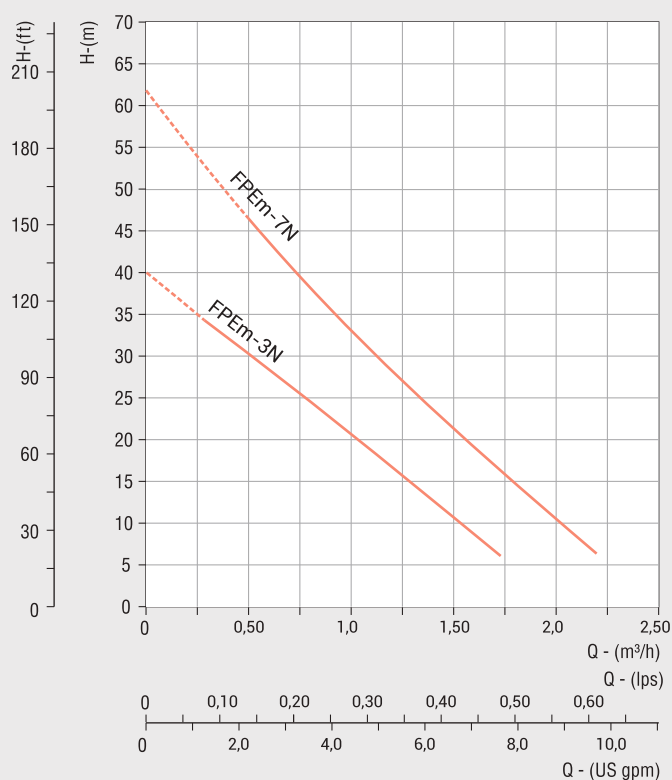
DIMENSIONAL DATA

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

