

New world

FHP applications are complex



Presenting the
New age motion
techwizard...



High quality **FHP Motors**
with amazing supply, support
and cost benefits



A quiet genius

Technologically world-class, meticulously customized

A genius of a product, Jetix is designed to match the new world demands. Full of youthful confidence and knowledge. Challenger of the stagnant old establishment. Jetix offers the best of both worlds; technology-know how and professionalism of WEST with traditional wisdom and personalized approach of EAST.

* Washing machine motors | Extra Severe Duty motors | HVAC motors | General purpose motors



Get in to the **jetix** groove

...all these high-rank manufacturing standards will work wonders for you

WIDE RANGE

As can be seen here, **Jetix** has a wide range of special application motors available. Ranging from 7 watts (0.009 HP) to 2250 watts (3HP), both in Single Phase and Three Phase. Customized options are also offered, if the standard range does not suit your requirements.

STANDARDS FOLLOWED

All motors manufactured under the name **Jetix**, conform to set standards of IS 996 and BS 5000 part 11 for performance.

DUE RATING

Jetix motors are continuously rated to comply with set performance standards. For the applications that require cyclic or short time duties **Jetix** offer special motors as well.

DIFFERENT ENCLOSURES

Jetix offer following enclosures
Drip Proof (DP)
Totally Enclosed (TE)
Totally Enclosed Fan Cooled (TEFC)
Air Over Motors (AOM)
Open (OP)

MOTOR MOUNTINGS

To fit the OE needs, types of mountings are available :

- Foot
- Stator Pad
- Flange
- Foot cum Flange
- Endshield Pad
- Stud
- Resilient Base
- Resilient Ring
- Special Mounting if required

BETTER BEARING & LUBRICATION

Motors with sleeve bearings can be trusted for almost lifelong lubrication. A permanent type lubrication is used to give 50,000 working hours, at normal running. Motors with ball-bearing are also lubricated for life. In fact, it uses deep groove bearings with double shield; allowing a trouble free service life time.

OVERLOAD PROTECTION

If looking for protection against motor burnouts, **Jetix** is the best choice. Thermal overload protectors of manual or auto reset variant can be provided for single phase motors. These protector can be temperature or current sensitive.

GEAR & SWITCH DETAILS

Centrifugal gear, which has proven track record, is used. Assuring smooth, trouble free operation. Open circuit switch has sintered contacts of silver alloy and copper. With its unique anti-weld quality it can rupture heavy current.

ABOUT ROTOR / SHAFTS

Rotors are made with pressure die casting and steamblued for finesse. Overall processing makes rotor rust-resistant and increases motor efficiency. High quality ENS steel is used for shafts, grounding is done up to 10 micron accuracy. Anti-rust treatment is done here as well. St. steel shafts also offered.

CUSTOMIZED MOTION ENGG.

Jetix is from new age engineers, who specialize in providing solution to any complex application. You define motion, **Jetix** will design solution !



Complex applications, simplified



secure the success of your product

Manufacturing Range

Standard applications

- Fluid pumps
- Vacuum pumps
- Wet Grinders
- Domestic Flour Mills
- Sewing Machines
- Machine Tools
- Floor Polishers
- Compressors
- Pouch Making Machines
- Printing Presses
- Wood Working Machines
- Air Conditioners
- Package Air Conditioners
- Washing Machines
- Room Coolers
- Needle Vibrator

				Single Phase Outputs					
	TYPE	Enclosure	Poles	Split Phase	Cap. St Ind. Run	Cap. St Cap Run	Cap. St & Run	Shaded Pole	Three Phase Output
1	Frost Free Fan Motor	Open	2	-	-	-	-	3-12	-
2	Semi Automatic Washing Machine Motor (Wash + Spin)	Open	4	-	-	-	15-150	-	-
3	Fully Automatic Washing Machine Motor	Open	4	-	-	-	200	-	-
4	Dia 65mm Lamination	Open	2	-	-	-	30-60	-	-
5	Dia 84mm Lamination	Open	4/6	-	-	-	10-35	-	-
6	Dia 95mm Lamination	Open	2	-	-	-	40-80	-	-
7	Dia 105mm Lamination	Open T/E	4/6	-	-	-	30-100	-	-
8	42 Frame	OP (AOM)	4	-	-	-	50-180	-	-
		DP, TE(AOM)	6	-	-	-	50-180	-	-
9	48 Frame	OP, DP	2	90-120	90-370	-	120-370	-	90-370
		TE (AOM)	4	60-90	-	-	50-180	-	90-250
		TEFC	6	-	90-370	-	50-150	-	-
10	56 Frame	DP	2	-	180-1100	1100-1500	-	-	180-1100
		TE (AOM)	4	90-370	90-750	750	-	-	180-750
		TEFC	6	90-250	90-250	-	180-550	-	120-550
		DP/TEFC	8	-	90-180	-	90-180	-	90-250
11	100S Frame	TEFC	4	-	-	750-2250	-	-	1100-2250
12	100S Frame	TEFC	6	-	550-750	-	-	-	-
13	Hermetic Motor (Stator & Rotor)	-	2	75-120	75-120	750-2000	750-2000	-	1500-10000

Notes :

- 42,48 and 56 series motors conform respectively to frame B42, B48 and B56 of BS2048 Part 1 for dimensions and BS5000 Part 11/IS996/IS325 for performance.
- 100 series motors generally conform to frame 100S of IS996 for dimensions and BS5000 Part 11 /IS996 for performance.
- Motor outputs are given in Watts (for HP conversion use 1 HP = 746W).
- The above table represents typical manufacturing range. Motors with special features are also supplied to customers with prior agreed specification.
- Enclosures specified against series are common to all polarities of respective series.
- As the design and manufacture of **JETIX** electrical equipment are subject to constant improvements, the product supplied may differ in some details from the specifications given.

jetix™ Young, smart & enerjetix !
a new world player

Jai Motion Engg. is well equipped to cater to all the requirements of 'Now Generation' industries. Additionally it is up-grading facilities and building capacities simultaneously to meet the demands of 'Future Generation' industries.

Our OEM clients will vouch for Jetix's quality, performance, value for money and our engineering quotient. The corporate back-bone of the company is, four decades strong 'JAI' brand. 'JAI' is an assurance of quality, commitment, excellence, ethics and trust.



**Engineering the motion;
intellectually, systematically**



A Group Co. of wood-work & panel-process machinery giant, JAI

Jai industries is the biggest player in wood-work m/cs field, selling 10 times more than its nearest competitor. It has a huge nationwide network of sales partners, is one of the highest selling Indian brand in exports. With over 225,000 installations, Jai is unquestionably the leader !

Mfd. by :

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